

EXTRACTION OIL & GAS

WELD COUNTY

Sec 3-T4N-R68W

JESSER EAST 3E-20-02

OWB

PROPOSAL 1

Anticollision Report

28 November, 2023

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Reference	PROPOSAL 1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Unknown AC limit!	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date	10/11/2023		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	19,247.68	PROPOSAL 1 (OWB)	MWD OWSG	OWSG MWD - Standard

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Sec 1-T4N-R68W						
ABND VERT ABRAMS 1 - Wellbore #1 - Design #1	14,979.02	7,125.00	2,617.31	2,220.51	6.596	CC
ABND VERT ABRAMS 1 - Wellbore #1 - Design #1	15,000.00	7,125.00	2,617.39	2,220.27	6.591	ES
ABND VERT ABRAMS 1 - Wellbore #1 - Design #1	15,100.00	7,125.00	2,620.10	2,221.65	6.576	SF
CITO TRUST 1E-10-1N - ORIGINAL WELLBORE - WB #	14,906.90	7,424.00	1,107.57	829.33	3.981	CC
CITO TRUST 1E-10-1N - ORIGINAL WELLBORE - WB #	19,000.00	11,466.13	1,158.71	679.04	2.416	ES, SF
CITO TRUST 1E-10-2N - ORIGINAL WELLBORE - WB #	14,549.50	6,939.89	1,528.34	1,273.33	5.993	CC
CITO TRUST 1E-10-2N - ORIGINAL WELLBORE - WB #	19,100.00	11,500.00	1,550.72	1,069.97	3.226	ES, SF
CITO TRUST 1E-10-3C - ORIGINAL WELLBORE - WB #	14,329.16	6,838.00	1,695.01	1,446.29	6.815	CC
CITO TRUST 1E-10-3C - ORIGINAL WELLBORE - WB #	19,100.00	11,976.00	1,860.51	1,369.38	3.788	ES, SF
CITO TRUST 1E-10-4N - ORIGINAL WELLBORE - WB #	14,336.00	6,763.27	2,112.94	1,865.63	8.544	CC
CITO TRUST 1E-10-4N - ORIGINAL WELLBORE - WB #	19,100.00	11,824.00	2,212.20	1,722.92	4.521	ES
CITO TRUST 1E-10-4N - ORIGINAL WELLBORE - WB #	19,200.00	11,824.00	2,214.62	1,723.49	4.509	SF
CITO TRUST 1E-10-5N - ORIGINAL WELLBORE - WB #	14,308.27	6,753.66	2,381.29	2,133.38	9.605	CC
CITO TRUST 1E-10-5N - ORIGINAL WELLBORE - WB #	19,200.00	12,141.00	2,588.74	2,092.93	5.221	ES
CITO TRUST 1E-10-5N - ORIGINAL WELLBORE - WB #	19,247.68	12,141.00	2,590.60	2,093.92	5.216	SF
CITO TRUST 1E-10-6C - ORIGINAL WELLBORE - WB #	14,395.98	6,589.79	2,623.72	2,379.22	10.731	CC, ES
CITO TRUST 1E-10-6C - ORIGINAL WELLBORE - WB #	19,247.68	12,381.00	2,979.52	2,480.85	5.975	SF
CITO TRUST 1E-10-7N - ORIGINAL WELLBORE - WB #	14,349.71	6,481.99	3,004.78	2,762.94	12.425	CC
CITO TRUST 1E-10-7N - ORIGINAL WELLBORE - WB #	19,247.68	12,315.00	3,255.24	2,757.11	6.535	ES, SF
EXIST DD QUARTER CIRCLE S 1-7JI - Wellbore #1 - W	17,457.21	7,152.60	638.74	292.14	1.843	CC, ES, SF
EXIST DD QUARTER CIRCLE S 1-8JI - Wellbore #1 - W	18,893.18	7,192.91	627.44	240.14	1.620	CC, ES, SF
EXIST VERT QUARTER CIRCLE 1 - Wellbore #1 - Desig	18,055.48	7,061.00	49.72	-428.25	0.104	Level 1, CC, ES, SF
EXIST VERT QUARTER CIRCLE S 01-01JI - Wellbore #	18,651.94	7,060.00	692.79	315.29	1.835	CC
EXIST VERT QUARTER CIRCLE S 01-01JI - Wellbore #	18,700.00	7,060.00	694.45	314.55	1.828	ES, SF
SI MASSTY 1-218 - Wellbore #1 - Design #1	17,242.44	7,050.00	703.46	247.56	1.543	CC
SI MASSTY 1-218 - Wellbore #1 - Design #1	17,300.00	7,050.00	705.81	247.10	1.539	ES, SF
SI QUARTER CIRCLE 1-918 - Wellbore #1 - Design #1	18,569.03	7,099.00	1,999.25	1,506.69	4.059	CC
SI QUARTER CIRCLE 1-918 - Wellbore #1 - Design #1	18,600.00	7,099.00	1,999.49	1,506.58	4.056	ES, SF

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

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Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Summary

Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Sec 2-T4N-R68W						
ABND VERT AVEX 2A - Wellbore #1 - Design #1	10,596.77	7,163.00	86.05	-78.25	0.524	Level 1, CC
ABND VERT AVEX 2A - Wellbore #1 - Design #1	10,600.00	7,163.00	86.11	-79.24	0.521	Level 1, ES, SF
ABND VERT SEALOCK 1 - Wellbore #1 - Design #1	12,777.27	7,128.00	71.06	-267.38	0.210	Level 1, CC, ES, SF
EXIST DD AVEX 11-2D - Wellbore #1 - Wellbore #1	9,637.28	7,236.70	628.38	482.94	4.321	CC
EXIST DD AVEX 11-2D - Wellbore #1 - Wellbore #1	9,700.00	7,231.69	631.49	482.72	4.245	ES, SF
EXIST DD AVEX 12-2D - Wellbore #1 - Wellbore #1	9,700.00	7,186.00	610.90	464.12	4.162	SF
EXIST DD AVEX 12-2D - Wellbore #1 - Wellbore #1	9,739.65	7,181.21	609.63	463.97	4.185	CC, ES
EXIST DD AVEX 21-2D - Wellbore #1 - Wellbore #1	11,059.84	7,190.68	736.01	559.42	4.168	CC
EXIST DD AVEX 21-2D - Wellbore #1 - Wellbore #1	11,100.00	7,192.05	737.10	558.03	4.116	ES
EXIST DD AVEX 21-2D - Wellbore #1 - Wellbore #1	11,200.00	7,195.44	749.22	565.86	4.086	SF
EXIST DD AVEX 22-2D - Wellbore #1 - Wellbore #1	11,100.00	7,161.69	616.86	438.46	3.458	SF
EXIST DD AVEX 22-2D - Wellbore #1 - Wellbore #1	11,117.81	7,162.96	616.60	438.39	3.460	CC, ES
EXIST DD SRC PRATT 2KD - OWB - FINAL SURVEY	10,400.00	7,351.87	1,282.68	1,122.21	7.993	CC
EXIST DD SRC PRATT 2KD - OWB - FINAL SURVEY	10,404.45	7,351.94	1,282.68	1,122.19	7.992	ES, SF
SRC VISTA 43-2C - Wellbore #1 - Wellbore #1	11,355.42	9,083.46	1,562.35	1,343.71	7.146	CC
SRC VISTA 43-2C - Wellbore #1 - Wellbore #1	13,971.51	11,700.00	1,580.62	1,225.27	4.448	ES
SRC VISTA 43-2C - Wellbore #1 - Wellbore #1	14,000.00	11,700.00	1,580.88	1,225.35	4.447	SF
SRC VISTA 43-2N-A - Wellbore #1 - Wellbore #1	11,935.69	9,369.44	1,596.41	1,352.24	6.538	CC
SRC VISTA 43-2N-A - Wellbore #1 - Wellbore #1	13,975.53	11,410.00	1,610.96	1,260.61	4.598	ES
SRC VISTA 43-2N-A - Wellbore #1 - Wellbore #1	14,000.00	11,410.00	1,611.15	1,260.64	4.597	SF
SRC VISTA 43-2N-C - Wellbore #1 - Wellbore #1	9,694.79	7,333.00	1,888.14	1,745.35	13.223	CC
SRC VISTA 43-2N-C - Wellbore #1 - Wellbore #1	14,000.00	11,615.00	1,890.82	1,535.19	5.317	ES, SF
SRC VISTA 44-2C - Wellbore #1 - Wellbore #1	13,981.48	11,854.00	2,980.83	2,624.74	8.371	CC
SRC VISTA 44-2C - Wellbore #1 - Wellbore #1	14,000.00	11,854.00	2,980.89	2,624.44	8.363	ES
SRC VISTA 44-2C - Wellbore #1 - Wellbore #1	14,200.00	11,854.00	2,988.83	2,629.32	8.314	SF
SRC VISTA 44-2N-A - Wellbore #1 - Wellbore #1	13,981.59	11,550.00	2,787.52	2,433.06	7.864	CC
SRC VISTA 44-2N-A - Wellbore #1 - Wellbore #1	14,000.00	11,550.00	2,787.59	2,432.79	7.857	ES
SRC VISTA 44-2N-A - Wellbore #1 - Wellbore #1	14,200.00	11,550.00	2,796.07	2,438.58	7.821	SF
SRC VISTA 44-2N-C - Wellbore #1 - Wellbore #1	6,504.54	5,069.00	3,229.97	3,140.90	36.261	CC
SRC VISTA 44-2N-C - Wellbore #1 - Wellbore #1	14,100.00	11,764.56	3,279.63	2,922.22	9.176	ES
SRC VISTA 44-2N-C - Wellbore #1 - Wellbore #1	14,300.00	11,791.00	3,293.07	2,931.83	9.116	SF
SRC VISTA D-2C - Wellbore #1 - Wellbore #1	13,979.99	11,728.00	2,291.18	1,935.42	6.440	CC
SRC VISTA D-2C - Wellbore #1 - Wellbore #1	14,000.00	11,728.00	2,291.26	1,935.20	6.435	ES
SRC VISTA D-2C - Wellbore #1 - Wellbore #1	14,100.00	11,728.00	2,294.32	1,937.14	6.423	SF
SRC VISTA D-2N-A - Wellbore #1 - Wellbore #1	10,739.52	8,317.36	2,165.07	1,977.97	11.572	CC
SRC VISTA D-2N-A - Wellbore #1 - Wellbore #1	13,700.00	11,191.93	2,191.93	1,856.45	6.534	ES
SRC VISTA D-2N-A - Wellbore #1 - Wellbore #1	14,100.00	11,556.42	2,213.24	1,858.33	6.236	SF
SRC VISTA D-2N-C - Wellbore #1 - Wellbore #1	12,821.96	10,469.83	2,482.22	2,187.91	8.434	CC
SRC VISTA D-2N-C - Wellbore #1 - Wellbore #1	14,000.00	11,629.00	2,493.19	2,137.29	7.005	ES
SRC VISTA D-2N-C - Wellbore #1 - Wellbore #1	14,100.00	11,629.00	2,495.97	2,138.73	6.987	SF
SRC VISTA S-2N-C - Wellbore #1 - Wellbore #1	10,155.97	7,794.00	1,200.08	1,039.56	7.476	CC
SRC VISTA S-2N-C - Wellbore #1 - Wellbore #1	14,000.00	11,592.72	1,278.50	924.96	3.616	ES, SF

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Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Summary						
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Offset Well - Wellbore - Design						
Sec 3-T4N-R68W						
EXIST HZ FLASCHENRIEM 1 - OWB - FINAL SURVEY	2,757.43	2,015.13	1,133.03	1,109.06	47.279	CC
EXIST HZ FLASCHENRIEM 1 - OWB - FINAL SURVEY	2,800.00	2,051.96	1,133.36	1,108.62	45.816	ES
EXIST HZ FLASCHENRIEM 1 - OWB - FINAL SURVEY	13,500.00	15,567.00	3,400.91	2,979.81	8.076	SF
EXIST HZ FLASCHENRIEM 2 - OWB - FINAL SURVEY	2,857.64	2,149.00	1,093.19	1,067.04	41.811	CC
EXIST HZ FLASCHENRIEM 2 - OWB - FINAL SURVEY	2,900.00	2,174.61	1,093.63	1,066.86	40.856	ES
EXIST HZ FLASCHENRIEM 2 - OWB - FINAL SURVEY	13,500.00	15,889.00	3,369.30	2,944.93	7.940	SF
EXIST HZ FLASCHENRIEM 3 - OWB - FINAL SURVEY	2,814.00	2,132.62	1,035.43	1,010.03	40.774	CC, ES
EXIST HZ FLASCHENRIEM 3 - OWB - FINAL SURVEY	13,400.00	15,655.00	3,074.59	2,653.15	7.295	SF
EXIST HZ FLASCHENRIEM 4 - OWB - FINAL SURVEY	2,881.56	2,214.64	987.38	960.68	36.981	CC
EXIST HZ FLASCHENRIEM 4 - OWB - FINAL SURVEY	2,900.00	2,224.40	987.49	960.53	36.639	ES
EXIST HZ FLASCHENRIEM 4 - OWB - FINAL SURVEY	13,400.00	15,741.00	2,812.85	2,389.40	6.643	SF
EXIST HZ FLASCHENRIEM 5 - OWB - FINAL SURVEY	2,925.61	2,222.58	1,118.40	1,090.66	40.315	CC, ES
EXIST HZ FLASCHENRIEM 5 - OWB - FINAL SURVEY	13,300.00	15,247.00	2,541.44	2,124.97	6.102	SF
EXIST HZ FLASCHENRIEM 6 - OWB - FINAL SURVEY	2,891.82	2,150.00	1,097.97	1,072.18	42.563	CC
EXIST HZ FLASCHENRIEM 6 - OWB - FINAL SURVEY	2,900.00	2,150.00	1,098.01	1,072.17	42.492	ES
EXIST HZ FLASCHENRIEM 6 - OWB - FINAL SURVEY	13,200.00	15,347.00	2,259.15	1,846.36	5.473	SF
EXIST HZ FLASCHENRIEM 7 - OWB - FINAL SURVEY	3,144.00	2,478.31	1,027.05	995.61	32.673	CC
EXIST HZ FLASCHENRIEM 7 - OWB - FINAL SURVEY	3,200.00	2,533.44	1,027.51	994.88	31.485	ES
EXIST HZ FLASCHENRIEM 7 - OWB - FINAL SURVEY	13,200.00	15,002.00	2,001.47	1,589.78	4.862	SF
EXIST HZ FLASCHENRIEM 8 - OWB - FINAL SURVEY	3,511.53	2,940.82	790.68	751.02	19.937	CC, ES
EXIST HZ FLASCHENRIEM 8 - OWB - FINAL SURVEY	13,100.00	15,127.00	1,696.84	1,287.76	4.148	SF
EXIST JESSER USX S 3-11 - Wellbore #1 - Design #1	2,867.42	2,544.16	806.99	775.40	25.541	CC
EXIST JESSER USX S 3-11 - Wellbore #1 - Design #1	2,900.00	2,570.72	807.21	775.13	25.157	ES
EXIST JESSER USX S 3-11 - Wellbore #1 - Design #1	3,400.00	2,978.36	863.92	825.68	22.596	SF
EXIST JESSER USX S 3-12 - Wellbore #1 - Design #1	200.00	190.00	287.09	285.98	258.346	CC, ES
EXIST JESSER USX S 3-12 - Wellbore #1 - Design #1	1,400.00	1,355.21	519.72	509.81	52.451	SF
EXIST JESSER USX S 3-6 - Wellbore #1 - Design #1	3,379.06	2,962.29	334.31	294.98	8.500	CC
EXIST JESSER USX S 3-6 - Wellbore #1 - Design #1	3,400.00	2,979.36	334.53	294.91	8.443	ES
EXIST JESSER USX S 3-6 - Wellbore #1 - Design #1	3,500.00	3,060.89	341.57	300.97	8.413	SF
JESSER 3E-10-11N - ORIGINAL WELLBORE - WB #1 -	0.00	3.91	159.75			
JESSER 3E-10-11N - ORIGINAL WELLBORE - WB #1 -	8,650.00	11,872.44	1,842.93	1,621.16	8.310	SF
JESSER 3E-10-12N - ORIGINAL WELLBORE - WB #1 -	0.00	2.99	139.68			
JESSER 3E-10-12N - ORIGINAL WELLBORE - WB #1 -	200.00	202.50	140.04	139.10	148.762	ES
JESSER 3E-10-12N - ORIGINAL WELLBORE - WB #1 -	8,600.00	11,973.00	2,138.71	1,916.66	9.632	SF
JESSER 3E-10-13N - ORIGINAL WELLBORE - WB #1 -	0.00	2.98	119.89			
JESSER 3E-10-13N - ORIGINAL WELLBORE - WB #1 -	100.00	102.46	120.12	119.69	280.655	ES
JESSER 3E-10-13N - ORIGINAL WELLBORE - WB #1 -	8,650.00	11,950.00	2,483.25	2,260.14	11.130	SF
JESSER 3E-10-14C - ORIGINAL WELLBORE - WB #1 -	0.00	2.99	99.82			
JESSER 3E-10-14C - ORIGINAL WELLBORE - WB #1 -	200.00	202.55	100.27	99.33	106.492	ES
JESSER 3E-10-14C - ORIGINAL WELLBORE - WB #1 -	8,900.00	12,176.00	2,835.78	2,610.01	12.561	SF
JESSER 3E-10-15N - ORIGINAL WELLBORE - WB #1 -	0.00	2.00	79.74			
JESSER 3E-10-15N - ORIGINAL WELLBORE - WB #1 -	200.00	201.60	80.24	79.30	85.369	ES
JESSER 3E-10-15N - ORIGINAL WELLBORE - WB #1 -	9,100.00	11,900.00	3,161.78	2,936.11	14.010	SF
JESSER 3E-10-16N - ORIGINAL WELLBORE - WB #1 -	0.00	1.99	59.68			
JESSER 3E-10-16N - ORIGINAL WELLBORE - WB #1 -	100.00	101.71	59.92	59.50	140.374	ES
JESSER 3E-10-16N - ORIGINAL WELLBORE - WB #1 -	9,200.00	12,180.00	3,509.46	3,279.49	15.260	SF
JESSER 3E-10-17C - ORIGINAL WELLBORE - WB #1 -	216.28	218.49	39.34	38.31	38.153	CC, ES
JESSER 3E-10-17C - ORIGINAL WELLBORE - WB #1 -	9,300.00	12,295.00	3,826.55	3,595.87	16.588	SF
JESSER 3E-10-1N - ORIGINAL WELLBORE - WB #1 - P	0.00	7.77	359.64			
JESSER 3E-10-1N - ORIGINAL WELLBORE - WB #1 - P	8,700.00	12,235.00	1,281.26	1,053.86	5.634	SF
JESSER 3E-10-2C - ORIGINAL WELLBORE - WB #1 - P	0.00	6.93	339.84			
JESSER 3E-10-2C - ORIGINAL WELLBORE - WB #1 - P	200.00	203.83	340.63	339.55	315.521	ES
JESSER 3E-10-2C - ORIGINAL WELLBORE - WB #1 - P	8,700.00	12,415.00	887.35	657.98	3.869	SF

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Offset Well - Wellbore - Design						
Sec 3-T4N-R68W						
JESSER 3E-10-3N - ORIGINAL WELLBORE - WB #1 - P	0.00	6.95	319.77			
JESSER 3E-10-3N - ORIGINAL WELLBORE - WB #1 - P	100.00	106.22	319.90	319.48	770.255	ES
JESSER 3E-10-3N - ORIGINAL WELLBORE - WB #1 - P	8,443.95	12,006.81	593.30	376.21	2.733	SF
JESSER 3E-10-4N - ORIGINAL WELLBORE - WB #1 - P	8,512.00	12,065.00	253.19	30.46	1.137	Level 2, CC, ES, SF
JESSER 3E-10-5N - ORIGINAL WELLBORE - WB #1 - P	8,313.06	11,773.50	56.53	-153.54	0.269	Level 1, CC, ES, SF
JESSER 3E-10-6C - ORIGINAL WELLBORE - WB #1 - P	0.00	5.75	259.83			
JESSER 3E-10-6C - ORIGINAL WELLBORE - WB #1 - P	8,550.00	12,136.84	455.53	235.97	2.075	ES, SF
JESSER 3E-10-7N - ORIGINAL WELLBORE - WB #1 - P	0.00	4.83	239.76			
JESSER 3E-10-7N - ORIGINAL WELLBORE - WB #1 - P	8,200.00	11,673.78	695.45	482.56	3.267	SF
JESSER 3E-10-8N - ORIGINAL WELLBORE - WB #1 - P	0.00	4.95	219.69			
JESSER 3E-10-8N - ORIGINAL WELLBORE - WB #1 - P	100.00	103.85	219.97	219.55	534.012	ES
JESSER 3E-10-8N - ORIGINAL WELLBORE - WB #1 - P	8,550.00	11,951.54	1,095.25	873.24	4.933	SF
JESSER 3E-10-9C - ORIGINAL WELLBORE - WB #1 - P	0.00	3.96	199.62			
JESSER 3E-10-9C - ORIGINAL WELLBORE - WB #1 - P	100.00	103.01	199.88	199.47	486.875	ES
JESSER 3E-10-9C - ORIGINAL WELLBORE - WB #1 - P	8,600.00	12,105.00	1,411.78	1,187.36	6.291	SF
JESSER EAST 3E-20-01 - OWB - PROPOSAL 1	548.23	549.83	11.61	7.77	3.026	CC
JESSER EAST 3E-20-01 - OWB - PROPOSAL 1	19,247.68	19,073.74	576.90	-45.02	0.928	Level 1, ES, SF
JESSER EAST 3E-20-03 - OWB - PROPOSAL 1	638.57	636.89	11.18	6.75	2.525	CC
JESSER EAST 3E-20-03 - OWB - PROPOSAL 1	700.00	698.15	11.55	6.63	2.345	ES
JESSER EAST 3E-20-03 - OWB - PROPOSAL 1	19,247.68	18,851.88	698.89	42.54	1.065	Level 2, SF

Offset Design

Survey Program: 0-INC										Offset Well Error: 0.00 usft			
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (")	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
2,100.00	1,965.50	1,807.50	1,807.50	13.48	35.98	32.87	-1,080.07	10,520.76	10,037.11	9,991.78	45.33	221.421	
2,200.00	2,047.03	1,889.03	1,889.03	14.65	37.62	33.04	-1,080.07	10,520.76	9,985.91	9,938.29	47.61	209.725	
2,300.00	2,128.56	1,970.56	1,970.56	15.84	39.26	33.21	-1,080.07	10,520.76	9,934.78	9,884.87	49.91	199.050	
2,400.00	2,210.09	2,052.09	2,052.09	17.03	40.90	33.39	-1,080.07	10,520.76	9,883.74	9,831.52	52.22	189.275	
2,500.00	2,291.61	2,133.61	2,133.61	18.23	42.54	33.56	-1,080.07	10,520.76	9,832.76	9,778.23	54.54	180.294	
2,600.00	2,373.14	2,215.14	2,215.14	19.44	44.18	33.74	-1,080.07	10,520.76	9,781.87	9,725.00	56.87	172.018	
2,700.00	2,454.67	2,296.67	2,296.67	20.64	45.82	33.92	-1,080.07	10,520.76	9,731.05	9,671.85	59.20	164.370	
2,800.00	2,536.20	2,378.20	2,378.20	21.86	47.46	34.10	-1,080.07	10,520.76	9,680.31	9,618.77	61.55	157.282	
2,900.00	2,617.72	2,459.72	2,459.72	23.07	49.10	34.28	-1,080.07	10,520.76	9,629.66	9,565.76	63.90	150.697	
3,000.00	2,699.25	2,541.25	2,541.25	24.29	50.74	34.47	-1,080.07	10,520.76	9,579.08	9,512.82	66.26	144.564	
3,100.00	2,780.78	2,622.78	2,622.78	25.50	52.38	34.65	-1,080.07	10,520.76	9,528.59	9,459.96	68.63	138.839	
3,200.00	2,862.31	2,704.31	2,704.31	26.73	54.02	34.84	-1,080.07	10,520.76	9,478.18	9,407.18	71.01	133.484	
3,300.00	2,943.83	2,785.83	2,785.83	27.95	55.66	35.03	-1,080.07	10,520.76	9,427.86	9,354.47	73.39	128.464	
3,400.00	3,025.36	2,867.36	2,867.36	29.17	57.30	35.22	-1,080.07	10,520.76	9,377.63	9,301.85	75.78	123.749	
3,500.00	3,106.89	2,948.89	2,948.89	30.40	58.94	35.41	-1,080.07	10,520.76	9,327.49	9,249.31	78.18	119.314	
3,600.00	3,188.42	3,030.42	3,030.42	31.62	60.58	35.61	-1,080.07	10,520.76	9,277.44	9,196.86	80.58	115.133	
3,700.00	3,269.94	3,111.94	3,111.94	32.85	62.22	35.81	-1,080.07	10,520.76	9,227.47	9,144.48	82.99	111.187	
3,800.00	3,351.47	3,193.47	3,193.47	34.07	63.86	36.00	-1,080.07	10,520.76	9,177.61	9,092.20	85.41	107.456	
3,900.00	3,433.00	3,275.00	3,275.00	35.30	65.50	36.21	-1,080.07	10,520.76	9,127.83	9,040.00	87.83	103.924	
4,000.00	3,514.53	3,356.53	3,356.53	36.53	67.14	36.41	-1,080.07	10,520.76	9,078.16	8,987.89	90.26	100.574	
4,100.00	3,596.05	3,438.05	3,438.05	37.76	68.78	36.61	-1,080.07	10,520.76	9,028.58	8,935.88	92.70	97.395	
4,200.00	3,677.58	3,519.58	3,519.58	38.99	70.42	36.82	-1,080.07	10,520.76	8,979.10	8,883.95	95.15	94.372	
4,300.00	3,759.11	3,601.11	3,601.11	40.22	72.06	37.03	-1,080.07	10,520.76	8,929.72	8,832.13	97.60	91.496	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 1-T4N-R68W - ABND VERT ABRAMS 1 - Wellbore #1 - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,400.00	3,840.64	3,682.64	3,682.64	41.45	73.70	37.24	-1,080.07	10,520.76	8,880.45	8,780.39	100.06	88.755		
4,500.00	3,922.16	3,764.16	3,764.16	42.68	75.34	37.45	-1,080.07	10,520.76	8,831.28	8,728.76	102.52	86.141		
4,600.00	4,003.69	3,845.69	3,845.69	43.91	76.98	37.67	-1,080.07	10,520.76	8,782.22	8,677.22	104.99	83.646		
4,700.00	4,085.22	3,927.22	3,927.22	45.15	78.62	37.88	-1,080.07	10,520.76	8,733.26	8,625.79	107.47	81.260		
4,800.00	4,166.75	4,008.75	4,008.75	46.38	80.26	38.10	-1,080.07	10,520.76	8,684.42	8,574.46	109.96	78.978		
4,900.00	4,248.27	4,090.27	4,090.27	47.61	81.90	38.32	-1,080.07	10,520.76	8,635.69	8,523.23	112.45	76.794		
5,000.00	4,329.80	4,171.80	4,171.80	48.84	83.54	38.55	-1,080.07	10,520.76	8,587.07	8,472.11	114.95	74.700		
5,100.00	4,411.33	4,253.33	4,253.33	50.08	85.18	38.77	-1,080.07	10,520.76	8,538.56	8,421.10	117.46	72.692		
5,200.00	4,492.86	4,334.86	4,334.86	51.31	86.81	39.00	-1,080.07	10,520.76	8,490.18	8,370.20	119.98	70.764		
5,300.00	4,574.38	4,416.38	4,416.38	52.54	88.45	39.23	-1,080.07	10,520.76	8,441.92	8,319.41	122.50	68.912		
5,400.00	4,655.91	4,497.91	4,497.91	53.78	90.09	39.46	-1,080.07	10,520.76	8,393.77	8,268.74	125.03	67.132		
5,500.00	4,737.44	4,579.44	4,579.44	55.01	91.73	39.70	-1,080.07	10,520.76	8,345.75	8,218.18	127.57	65.420		
5,600.00	4,818.97	4,660.97	4,660.97	56.24	93.37	39.94	-1,080.07	10,520.76	8,297.86	8,167.74	130.12	63.771		
5,700.00	4,900.49	4,742.49	4,742.49	57.48	95.01	40.18	-1,080.07	10,520.76	8,250.10	8,117.42	132.67	62.183		
5,800.00	4,982.02	4,824.02	4,824.02	58.71	96.65	40.42	-1,080.07	10,520.76	8,202.46	8,067.23	135.24	60.653		
5,900.00	5,063.55	4,905.55	4,905.55	59.95	98.29	40.66	-1,080.07	10,520.76	8,154.96	8,017.16	137.81	59.176		
6,000.00	5,145.08	4,987.08	4,987.08	61.18	99.93	40.91	-1,080.07	10,520.76	8,107.60	7,967.21	140.39	57.752		
6,100.00	5,226.60	5,068.60	5,068.60	62.42	101.57	41.16	-1,080.07	10,520.76	8,060.37	7,917.40	142.97	56.376		
6,200.00	5,308.13	5,150.13	5,150.13	63.65	103.21	41.41	-1,080.07	10,520.76	8,013.28	7,867.71	145.57	55.048		
6,300.00	5,389.66	5,231.66	5,231.66	64.89	104.85	41.66	-1,080.07	10,520.76	7,966.34	7,818.17	148.17	53.763		
6,400.00	5,471.19	5,313.19	5,313.19	66.12	106.49	41.92	-1,080.07	10,520.76	7,919.54	7,768.75	150.79	52.521		
6,500.00	5,552.72	5,394.72	5,394.72	67.36	108.13	42.18	-1,080.07	10,520.76	7,872.89	7,719.48	153.41	51.320		
6,600.00	5,634.24	5,476.24	5,476.24	68.59	109.77	42.44	-1,080.07	10,520.76	7,826.39	7,670.35	156.04	50.156		
6,700.00	5,715.77	5,557.77	5,557.77	69.83	111.41	42.71	-1,080.07	10,520.76	7,780.04	7,621.36	158.68	49.030		
6,800.00	5,797.30	5,639.30	5,639.30	71.06	113.05	42.97	-1,080.07	10,520.76	7,733.85	7,572.52	161.33	47.939		
6,900.00	5,878.83	5,720.83	5,720.83	72.30	114.69	43.24	-1,080.07	10,520.76	7,687.81	7,523.83	163.99	46.881		
7,000.00	5,960.35	5,802.35	5,802.35	73.53	116.33	43.52	-1,080.07	10,520.76	7,641.94	7,475.29	166.65	45.855		
7,100.00	6,041.88	5,883.88	5,883.88	74.77	117.97	43.79	-1,080.07	10,520.76	7,596.23	7,426.90	169.33	44.861		
7,200.00	6,123.41	5,965.41	5,965.41	76.01	119.61	44.07	-1,080.07	10,520.76	7,550.69	7,378.68	172.02	43.895		
7,300.00	6,204.94	6,046.94	6,046.94	77.24	121.25	44.35	-1,080.07	10,520.76	7,505.32	7,330.61	174.71	42.958		
7,400.00	6,286.46	6,128.46	6,128.46	78.48	122.89	44.64	-1,080.07	10,520.76	7,460.12	7,282.71	177.42	42.049		
7,500.00	6,367.99	6,209.99	6,209.99	79.71	124.53	44.92	-1,080.07	10,520.76	7,415.11	7,234.97	180.13	41.165		
7,600.00	6,449.52	6,291.52	6,291.52	80.95	126.16	45.21	-1,080.07	10,520.76	7,370.27	7,187.41	182.86	40.306		
7,700.00	6,531.05	6,373.05	6,373.05	82.19	127.80	45.50	-1,080.07	10,520.76	7,325.61	7,140.02	185.59	39.471		
7,800.00	6,612.57	6,454.57	6,454.57	83.42	129.44	45.80	-1,080.07	10,520.76	7,281.14	7,092.80	188.34	38.660		
7,900.00	6,694.10	6,536.10	6,536.10	84.66	131.08	46.10	-1,080.07	10,520.76	7,236.86	7,045.76	191.09	37.870		
8,000.00	6,775.63	6,617.63	6,617.63	85.89	132.72	46.40	-1,080.07	10,520.76	7,192.77	6,998.91	193.86	37.103		
8,100.00	6,857.16	6,699.16	6,699.16	87.13	134.36	46.71	-1,080.07	10,520.76	7,148.88	6,952.25	196.64	36.356		
8,200.00	6,938.68	6,780.68	6,780.68	88.37	136.00	47.01	-1,080.07	10,520.76	7,105.20	6,905.77	199.43	35.628		
8,300.00	7,020.21	6,862.21	6,862.21	89.60	137.64	47.32	-1,080.07	10,520.76	7,061.71	6,859.49	202.22	34.920		
8,310.57	7,028.83	6,870.83	6,870.83	89.73	137.81	47.36	-1,080.07	10,520.76	7,057.13	6,854.61	202.52	34.846		
8,350.00	7,060.23	6,902.23	6,902.23	90.25	138.45	46.24	-1,080.07	10,520.76	7,038.94	6,835.31	203.62	34.568		
8,400.00	7,097.77	6,939.77	6,939.77	90.98	139.20	45.62	-1,080.07	10,520.76	7,012.82	6,807.81	205.01	34.207		
8,450.00	7,132.48	6,974.48	6,974.48	91.79	139.90	45.79	-1,080.07	10,520.76	6,983.49	6,777.12	206.37	33.840		
8,500.00	7,164.10	7,006.10	7,006.10	92.67	140.53	46.72	-1,080.07	10,520.76	6,951.16	6,743.47	207.69	33.469		
8,550.00	7,192.40	7,034.40	7,034.40	93.63	141.10	48.44	-1,080.07	10,520.76	6,916.10	6,707.14	208.96	33.098		
8,600.00	7,217.15	7,059.15	7,059.15	94.64	141.60	51.01	-1,080.07	10,520.76	6,878.57	6,668.40	210.17	32.729		
8,650.00	7,238.16	7,080.16	7,080.16	95.70	142.02	54.59	-1,080.07	10,520.76	6,838.85	6,627.55	211.30	32.365		
8,700.00	7,255.29	7,097.29	7,097.29	96.80	142.37	59.37	-1,080.07	10,520.76	6,797.26	6,584.90	212.36	32.008		
8,750.00	7,268.39	7,110.39	7,110.39	97.92	142.63	65.59	-1,080.07	10,520.76	6,754.09	6,540.77	213.32	31.662		
8,800.00	7,277.37	7,119.37	7,119.37	99.06	142.81	73.47	-1,080.07	10,520.76	6,709.69	6,495.51	214.18	31.328		
8,850.00	7,282.15	7,124.15	7,124.15	100.20	142.91	83.11	-1,080.07	10,520.76	6,664.37	6,449.45	214.93	31.008		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 1-T4N-R68W - ABND VERT ABRAMS 1 - Wellbore #1 - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,881.61	7,283.00	7,125.00	7,125.00	100.91	142.93	90.00	-1,080.07	10,520.76	6,635.41	6,420.07	215.34	30.813		
8,900.00	7,283.00	7,125.00	7,125.00	101.33	142.93	90.00	-1,080.07	10,520.76	6,618.52	6,402.95	215.57	30.703		
9,000.00	7,283.00	7,125.00	7,125.00	103.59	142.93	90.00	-1,080.07	10,520.76	6,526.79	6,309.96	216.83	30.101		
9,100.00	7,283.00	7,125.00	7,125.00	105.87	142.93	90.00	-1,080.07	10,520.76	6,435.30	6,217.17	218.13	29.502		
9,200.00	7,283.00	7,125.00	7,125.00	108.18	142.93	90.00	-1,080.07	10,520.76	6,344.08	6,124.60	219.48	28.905		
9,300.00	7,283.00	7,125.00	7,125.00	110.50	142.93	90.00	-1,080.07	10,520.76	6,253.12	6,032.25	220.88	28.310		
9,400.00	7,283.00	7,125.00	7,125.00	112.84	142.93	90.00	-1,080.07	10,520.76	6,162.45	5,940.13	222.32	27.719		
9,500.00	7,283.00	7,125.00	7,125.00	115.19	142.93	90.00	-1,080.07	10,520.76	6,072.06	5,848.25	223.81	27.131		
9,600.00	7,283.00	7,125.00	7,125.00	117.56	142.93	90.00	-1,080.07	10,520.76	5,981.98	5,756.64	225.35	26.546		
9,700.00	7,283.00	7,125.00	7,125.00	119.95	142.93	90.00	-1,080.07	10,520.76	5,892.23	5,665.29	226.94	25.964		
9,800.00	7,283.00	7,125.00	7,125.00	122.34	142.93	90.00	-1,080.07	10,520.76	5,802.80	5,574.22	228.59	25.386		
9,900.00	7,283.00	7,125.00	7,125.00	124.76	142.93	90.00	-1,080.07	10,520.76	5,713.73	5,483.44	230.29	24.811		
10,000.00	7,283.00	7,125.00	7,125.00	127.18	142.93	90.00	-1,080.07	10,520.76	5,625.03	5,392.98	232.05	24.241		
10,100.00	7,283.00	7,125.00	7,125.00	129.61	142.93	90.00	-1,080.07	10,520.76	5,536.71	5,302.84	233.87	23.674		
10,200.00	7,283.00	7,125.00	7,125.00	132.06	142.93	90.00	-1,080.07	10,520.76	5,448.79	5,213.04	235.75	23.112		
10,300.00	7,283.00	7,125.00	7,125.00	134.52	142.93	90.00	-1,080.07	10,520.76	5,361.30	5,123.60	237.70	22.555		
10,400.00	7,283.00	7,125.00	7,125.00	136.98	142.93	90.00	-1,080.07	10,520.76	5,274.25	5,034.54	239.71	22.003		
10,500.00	7,283.00	7,125.00	7,125.00	139.46	142.93	90.00	-1,080.07	10,520.76	5,187.67	4,945.88	241.79	21.455		
10,600.00	7,283.00	7,125.00	7,125.00	141.94	142.93	90.00	-1,080.07	10,520.76	5,101.58	4,857.63	243.94	20.913		
10,700.00	7,283.00	7,125.00	7,125.00	144.44	142.93	90.00	-1,080.07	10,520.76	5,016.00	4,769.83	246.17	20.376		
10,800.00	7,283.00	7,125.00	7,125.00	146.94	142.93	90.00	-1,080.07	10,520.76	4,930.97	4,682.50	248.47	19.845		
10,900.00	7,283.00	7,125.00	7,125.00	149.45	142.93	90.00	-1,080.07	10,520.76	4,846.51	4,595.66	250.85	19.320		
11,000.00	7,283.00	7,125.00	7,125.00	151.96	142.93	90.00	-1,080.07	10,520.76	4,762.65	4,509.35	253.31	18.802		
11,100.00	7,283.00	7,125.00	7,125.00	154.49	142.93	90.00	-1,080.07	10,520.76	4,679.43	4,423.58	255.85	18.290		
11,200.00	7,283.00	7,125.00	7,125.00	157.01	142.93	90.00	-1,080.07	10,520.76	4,596.88	4,338.40	258.48	17.784		
11,300.00	7,283.00	7,125.00	7,125.00	159.55	142.93	90.00	-1,080.07	10,520.76	4,515.03	4,253.83	261.20	17.286		
11,400.00	7,283.00	7,125.00	7,125.00	162.09	142.93	90.00	-1,080.07	10,520.76	4,433.92	4,169.92	264.00	16.795		
11,500.00	7,283.00	7,125.00	7,125.00	164.64	142.93	90.00	-1,080.07	10,520.76	4,353.60	4,086.70	266.90	16.312		
11,600.00	7,283.00	7,125.00	7,125.00	167.19	142.93	90.00	-1,080.07	10,520.76	4,274.12	4,004.22	269.90	15.836		
11,700.00	7,283.00	7,125.00	7,125.00	169.75	142.93	90.00	-1,080.07	10,520.76	4,195.50	3,922.52	272.99	15.369		
11,800.00	7,283.00	7,125.00	7,125.00	172.31	142.93	90.00	-1,080.07	10,520.76	4,117.82	3,841.64	276.18	14.910		
11,900.00	7,283.00	7,125.00	7,125.00	174.88	142.93	90.00	-1,080.07	10,520.76	4,041.12	3,761.65	279.47	14.460		
12,000.00	7,283.00	7,125.00	7,125.00	177.45	142.93	90.00	-1,080.07	10,520.76	3,965.46	3,682.60	282.86	14.019		
12,100.00	7,283.00	7,125.00	7,125.00	180.03	142.93	90.00	-1,080.07	10,520.76	3,890.89	3,604.54	286.35	13.588		
12,200.00	7,283.00	7,125.00	7,125.00	182.61	142.93	90.00	-1,080.07	10,520.76	3,817.49	3,527.55	289.94	13.166		
12,300.00	7,283.00	7,125.00	7,125.00	185.19	142.93	90.00	-1,080.07	10,520.76	3,745.32	3,451.68	293.64	12.755		
12,400.00	7,283.00	7,125.00	7,125.00	187.78	142.93	90.00	-1,080.07	10,520.76	3,674.46	3,377.02	297.44	12.354		
12,500.00	7,283.00	7,125.00	7,125.00	190.37	142.93	90.00	-1,080.07	10,520.76	3,604.97	3,303.64	301.34	11.963		
12,600.00	7,283.00	7,125.00	7,125.00	192.97	142.93	90.00	-1,080.07	10,520.76	3,536.95	3,231.62	305.33	11.584		
12,700.00	7,283.00	7,125.00	7,125.00	195.57	142.93	90.00	-1,080.07	10,520.76	3,470.48	3,161.06	309.42	11.216		
12,800.00	7,283.00	7,125.00	7,125.00	198.17	142.93	90.00	-1,080.07	10,520.76	3,405.65	3,092.05	313.60	10.860		
12,900.00	7,283.00	7,125.00	7,125.00	200.77	142.93	90.00	-1,080.07	10,520.76	3,342.55	3,024.69	317.85	10.516		
13,000.00	7,283.00	7,125.00	7,125.00	203.38	142.93	90.00	-1,080.07	10,520.76	3,281.28	2,959.09	322.19	10.184		
13,100.00	7,283.00	7,125.00	7,125.00	205.99	142.93	90.00	-1,080.07	10,520.76	3,221.96	2,895.37	326.59	9.866		
13,200.00	7,283.00	7,125.00	7,125.00	208.61	142.93	90.00	-1,080.07	10,520.76	3,164.68	2,833.64	331.04	9.560		
13,300.00	7,283.00	7,125.00	7,125.00	211.22	142.93	90.00	-1,080.07	10,520.76	3,109.57	2,774.03	335.54	9.267		
13,400.00	7,283.00	7,125.00	7,125.00	213.84	142.93	90.00	-1,080.07	10,520.76	3,056.73	2,716.67	340.06	8.989		
13,500.00	7,283.00	7,125.00	7,125.00	216.47	142.93	90.00	-1,080.07	10,520.76	3,006.29	2,661.70	344.59	8.724		
13,600.00	7,283.00	7,125.00	7,125.00	219.09	142.93	90.00	-1,080.07	10,520.76	2,958.38	2,609.26	349.11	8.474		
13,700.00	7,283.00	7,125.00	7,125.00	221.72	142.93	90.00	-1,080.07	10,520.76	2,913.11	2,559.50	353.60	8.238		
13,800.00	7,283.00	7,125.00	7,125.00	224.34	142.93	90.00	-1,080.07	10,520.76	2,870.61	2,512.57	358.04	8.018		
13,900.00	7,283.00	7,125.00	7,125.00	226.97	142.93	90.00	-1,080.07	10,520.76	2,831.00	2,468.61	362.40	7.812		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,000.00	7,283.00	7,125.00	7,125.00	229.61	142.93	90.00	-1,080.07	10,520.76	2,794.42	2,427.77	366.65	7.622		
14,100.00	7,283.00	7,125.00	7,125.00	232.24	142.93	90.00	-1,080.07	10,520.76	2,760.97	2,390.21	370.76	7.447		
14,200.00	7,283.00	7,125.00	7,125.00	234.88	142.93	90.00	-1,080.07	10,520.76	2,730.78	2,356.07	374.71	7.288		
14,300.00	7,283.00	7,125.00	7,125.00	237.52	142.93	90.00	-1,080.07	10,520.76	2,703.95	2,325.49	378.47	7.144		
14,400.00	7,283.00	7,125.00	7,125.00	240.16	142.93	90.00	-1,080.07	10,520.76	2,680.59	2,298.59	382.00	7.017		
14,500.00	7,283.00	7,125.00	7,125.00	242.80	142.93	90.00	-1,080.07	10,520.76	2,660.78	2,275.50	385.29	6.906		
14,600.00	7,283.00	7,125.00	7,125.00	245.44	142.93	90.00	-1,080.07	10,520.76	2,644.61	2,256.32	388.29	6.811		
14,700.00	7,283.00	7,125.00	7,125.00	248.09	142.93	90.00	-1,080.07	10,520.76	2,632.14	2,241.14	391.00	6.732		
14,800.00	7,283.00	7,125.00	7,125.00	250.74	142.93	90.00	-1,080.07	10,520.76	2,623.42	2,230.04	393.38	6.669		
14,900.00	7,283.00	7,125.00	7,125.00	253.38	142.93	90.00	-1,080.07	10,520.76	2,618.50	2,223.07	395.43	6.622		
14,979.02	7,283.00	7,125.00	7,125.00	255.48	142.93	90.00	-1,080.07	10,520.76	2,617.31	2,220.51	396.80	6.596 CC		
15,000.00	7,283.00	7,125.00	7,125.00	256.03	142.93	90.00	-1,080.07	10,520.76	2,617.39	2,220.27	397.12	6.591 ES		
15,100.00	7,283.00	7,125.00	7,125.00	258.69	142.93	90.00	-1,080.07	10,520.76	2,620.10	2,221.65	398.45	6.576 SF		
15,200.00	7,283.00	7,125.00	7,125.00	261.34	142.93	90.00	-1,080.07	10,520.76	2,626.62	2,227.20	399.42	6.576		
15,300.00	7,283.00	7,125.00	7,125.00	263.99	142.93	90.00	-1,080.07	10,520.76	2,636.92	2,236.89	400.02	6.592		
15,400.00	7,283.00	7,125.00	7,125.00	266.65	142.93	90.00	-1,080.07	10,520.76	2,650.95	2,250.68	400.27	6.623		
15,500.00	7,283.00	7,125.00	7,125.00	269.31	142.93	90.00	-1,080.07	10,520.76	2,668.66	2,268.49	400.17	6.669		
15,600.00	7,283.00	7,125.00	7,125.00	271.96	142.93	90.00	-1,080.07	10,520.76	2,689.97	2,290.23	399.74	6.729		
15,700.00	7,283.00	7,125.00	7,125.00	274.62	142.93	90.00	-1,080.07	10,520.76	2,714.80	2,315.81	398.99	6.804		
15,800.00	7,283.00	7,125.00	7,125.00	277.28	142.93	90.00	-1,080.07	10,520.76	2,743.05	2,345.10	397.95	6.893		
15,900.00	7,283.00	7,125.00	7,125.00	279.94	142.93	90.00	-1,080.07	10,520.76	2,774.62	2,377.99	396.63	6.996		
16,000.00	7,283.00	7,125.00	7,125.00	282.61	142.93	90.00	-1,080.07	10,520.76	2,809.40	2,414.34	395.06	7.111		
16,100.00	7,283.00	7,125.00	7,125.00	285.27	142.93	90.00	-1,080.07	10,520.76	2,847.26	2,453.99	393.27	7.240		
16,200.00	7,283.00	7,125.00	7,125.00	287.94	142.93	90.00	-1,080.07	10,520.76	2,888.10	2,496.82	391.28	7.381		
16,300.00	7,283.00	7,125.00	7,125.00	290.60	142.93	90.00	-1,080.07	10,520.76	2,931.78	2,542.66	389.12	7.534		
16,400.00	7,283.00	7,125.00	7,125.00	293.27	142.93	90.00	-1,080.07	10,520.76	2,978.17	2,591.37	386.80	7.699		
16,500.00	7,283.00	7,125.00	7,125.00	295.94	142.93	90.00	-1,080.07	10,520.76	3,027.16	2,642.80	384.36	7.876		
16,600.00	7,283.00	7,125.00	7,125.00	298.60	142.93	90.00	-1,080.07	10,520.76	3,078.62	2,696.81	381.81	8.063		
16,700.00	7,283.00	7,125.00	7,125.00	301.27	142.93	90.00	-1,080.07	10,520.76	3,132.43	2,753.25	379.17	8.261		
16,800.00	7,283.00	7,125.00	7,125.00	303.94	142.93	90.00	-1,080.07	10,520.76	3,188.46	2,811.99	376.47	8.469		
16,900.00	7,283.00	7,125.00	7,125.00	306.62	142.93	90.00	-1,080.07	10,520.76	3,246.61	2,872.89	373.72	8.687		
17,000.00	7,283.00	7,125.00	7,125.00	309.29	142.93	90.00	-1,080.07	10,520.76	3,306.76	2,935.82	370.94	8.915		
17,100.00	7,283.00	7,125.00	7,125.00	311.96	142.93	90.00	-1,080.07	10,520.76	3,368.81	3,000.68	368.13	9.151		
17,200.00	7,283.00	7,125.00	7,125.00	314.63	142.93	90.00	-1,080.07	10,520.76	3,432.65	3,067.33	365.32	9.396		
17,300.00	7,283.00	7,125.00	7,125.00	317.31	142.93	90.00	-1,080.07	10,520.76	3,498.18	3,135.67	362.51	9.650		
17,400.00	7,283.00	7,125.00	7,125.00	319.98	142.93	90.00	-1,080.07	10,520.76	3,565.32	3,205.60	359.72	9.911		
17,500.00	7,283.00	7,125.00	7,125.00	322.66	142.93	90.00	-1,080.07	10,520.76	3,633.96	3,277.02	356.94	10.181		
17,600.00	7,283.00	7,125.00	7,125.00	325.34	142.93	90.00	-1,080.07	10,520.76	3,704.03	3,349.84	354.19	10.458		
17,700.00	7,283.00	7,125.00	7,125.00	328.01	142.93	90.00	-1,080.07	10,520.76	3,775.46	3,423.98	351.48	10.742		
17,800.00	7,283.00	7,125.00	7,125.00	330.69	142.93	90.00	-1,080.07	10,520.76	3,848.15	3,499.35	348.80	11.033		
17,900.00	7,283.00	7,125.00	7,125.00	333.37	142.93	90.00	-1,080.07	10,520.76	3,922.05	3,575.88	346.17	11.330		
18,000.00	7,283.00	7,125.00	7,125.00	336.05	142.93	90.00	-1,080.07	10,520.76	3,997.08	3,653.50	343.58	11.634		
18,100.00	7,283.00	7,125.00	7,125.00	338.73	142.93	90.00	-1,080.07	10,520.76	4,073.19	3,732.14	341.04	11.943		
18,200.00	7,283.00	7,125.00	7,125.00	341.41	142.93	90.00	-1,080.07	10,520.76	4,150.31	3,811.75	338.56	12.259		
18,300.00	7,283.00	7,125.00	7,125.00	344.09	142.93	90.00	-1,080.07	10,520.76	4,228.39	3,892.26	336.12	12.580		
18,400.00	7,283.00	7,125.00	7,125.00	346.77	142.93	90.00	-1,080.07	10,520.76	4,307.37	3,973.63	333.74	12.906		
18,500.00	7,283.00	7,125.00	7,125.00	349.46	142.93	90.00	-1,080.07	10,520.76	4,387.21	4,055.80	331.41	13.238		
18,600.00	7,283.00	7,125.00	7,125.00	352.14	142.93	90.00	-1,080.07	10,520.76	4,467.87	4,138.73	329.14	13.574		
18,700.00	7,283.00	7,125.00	7,125.00	354.82	142.93	90.00	-1,080.07	10,520.76	4,549.29	4,222.37	326.92	13.916		
18,800.00	7,283.00	7,125.00	7,125.00	357.51	142.93	90.00	-1,080.07	10,520.76	4,631.44	4,306.68	324.75	14.261		
18,900.00	7,283.00	7,125.00	7,125.00	360.19	142.93	90.00	-1,080.07	10,520.76	4,714.28	4,391.63	322.64	14.611		
19,000.00	7,283.00	7,125.00	7,125.00	362.88	142.93	90.00	-1,080.07	10,520.76	4,797.77	4,477.19	320.59	14.966		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design		Sec 1-T4N-R68W - ABND VERT ABRAMS 1 - Wellbore #1 - Design #1										Offset Site Error:	0.00 usft
Survey Program: 0-INC												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
19,100.00	7,283.00	7,125.00	7,125.00	365.56	142.93	90.00	-1,080.07	10,520.76	4,881.89	4,563.30	318.58	15.324	
19,200.00	7,283.00	7,125.00	7,125.00	368.25	142.93	90.00	-1,080.07	10,520.76	4,966.59	4,649.96	316.63	15.686	
19,247.68	7,283.00	7,125.00	7,125.00	369.53	142.93	90.00	-1,080.07	10,520.76	5,007.17	4,691.46	315.72	15.860	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 1-T4N-R68W - CITO TRUST 1E-10-1N - ORIGINAL WELLBORE - WB #1 - ENSIGN 147		Offset Site Error:		0.00 usft	
Survey Program:		114-MWD OWSG											Offset Well Error:		0.00 usft			
Reference		Offset		Semi Major Axis			Distance							Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor						
1,600.00	1,544.94	2,522.33	2,496.69	8.19	9.43	14.01	1,620.72	10,146.94	10,009.14	9,993.95	15.19	658.801						
1,700.00	1,632.39	2,563.00	2,536.04	9.12	9.64	14.45	1,610.85	10,144.10	9,952.45	9,936.65	15.81	629.647						
1,800.00	1,718.11	2,563.00	2,536.04	10.11	9.64	14.82	1,610.85	10,144.10	9,893.48	9,877.24	16.24	609.262						
1,900.00	1,801.97	2,618.37	2,589.72	11.18	9.91	15.37	1,597.78	10,140.55	9,832.08	9,815.15	16.94	580.565						
1,969.27	1,858.92	2,694.48	2,663.40	11.96	10.30	15.89	1,579.28	10,136.01	9,788.22	9,770.61	17.61	555.957						
2,000.00	1,883.98	2,778.72	2,744.49	12.31	10.75	16.16	1,557.09	10,130.83	9,768.39	9,750.23	18.16	538.036						
2,100.00	1,965.50	2,832.00	2,795.65	13.48	11.03	16.33	1,542.59	10,127.49	9,703.68	9,684.81	18.87	514.268						
2,200.00	2,047.03	2,891.36	2,852.75	14.65	11.35	16.51	1,526.79	10,123.78	9,639.17	9,619.55	19.62	491.237						
2,300.00	2,128.56	3,221.60	3,169.98	15.84	13.17	17.60	1,438.56	10,099.20	9,574.12	9,552.38	21.74	440.355						
2,400.00	2,210.09	3,251.76	3,198.75	17.03	13.34	17.70	1,429.90	10,096.68	9,508.14	9,485.75	22.38	424.839						
2,500.00	2,291.61	3,281.00	3,226.74	18.23	13.51	17.81	1,421.77	10,094.30	9,442.53	9,419.50	23.02	410.107						
2,600.00	2,373.14	3,318.04	3,262.24	19.44	13.72	17.93	1,411.60	10,091.41	9,377.28	9,353.57	23.72	395.391						
2,700.00	2,454.67	3,371.00	3,312.98	20.64	14.02	18.12	1,396.95	10,087.53	9,312.43	9,287.93	24.50	380.108						
2,800.00	2,536.20	3,396.96	3,337.85	21.86	14.17	18.21	1,389.71	10,085.71	9,247.85	9,222.70	25.16	367.634						
2,900.00	2,617.72	3,447.52	3,386.24	23.07	14.46	18.40	1,375.47	10,082.28	9,183.58	9,157.64	25.95	353.925						
3,000.00	2,699.25	3,495.03	3,431.69	24.29	14.74	18.57	1,361.98	10,079.16	9,119.59	9,092.85	26.74	341.106						
3,100.00	2,780.78	3,551.00	3,485.25	25.50	15.06	18.77	1,346.11	10,075.64	9,055.89	9,028.31	27.58	328.390						
3,200.00	2,862.31	3,799.99	3,724.04	26.73	16.49	19.69	1,278.12	10,057.45	8,991.96	8,962.55	29.42	305.666						
3,300.00	2,943.83	3,820.00	3,743.31	27.95	16.60	19.76	1,273.01	10,055.73	8,927.30	8,897.22	30.08	296.752						
3,400.00	3,025.36	3,857.60	3,779.60	29.17	16.81	19.90	1,263.66	10,052.64	8,863.04	8,832.20	30.84	287.400						
3,500.00	3,106.89	3,909.00	3,829.43	30.40	17.09	20.08	1,251.67	10,048.79	8,799.39	8,767.72	31.67	277.870						
3,600.00	3,188.42	3,909.00	3,829.43	31.62	17.09	20.08	1,251.67	10,048.79	8,735.99	8,703.73	32.26	270.818						
3,700.00	3,269.94	3,940.89	3,860.41	32.85	17.26	20.19	1,244.41	10,046.61	8,673.16	8,640.15	33.01	262.766						
3,800.00	3,351.47	3,974.29	3,892.81	34.07	17.44	20.31	1,236.61	10,044.50	8,610.75	8,576.98	33.77	254.967						
3,900.00	3,433.00	4,073.02	3,988.23	35.30	17.99	20.68	1,211.98	10,038.40	8,548.47	8,513.60	34.87	245.122						
4,000.00	3,514.53	4,130.62	4,043.78	36.53	18.31	20.90	1,197.23	10,034.72	8,486.16	8,450.38	35.79	237.142						
4,100.00	3,596.05	4,177.00	4,088.69	37.76	18.57	21.07	1,185.94	10,032.04	8,424.43	8,387.78	36.65	229.881						
4,200.00	3,677.58	4,300.70	4,207.94	38.99	19.26	21.56	1,153.98	10,024.51	8,362.58	8,324.67	37.91	220.566						
4,300.00	3,759.11	4,357.00	4,262.25	40.22	19.58	21.78	1,139.57	10,020.99	8,300.78	8,261.93	38.85	213.650						
4,400.00	3,840.64	4,436.33	4,338.64	41.45	20.04	22.10	1,118.75	10,015.97	8,239.05	8,199.13	39.92	206.385						
4,500.00	3,922.16	4,483.23	4,383.70	42.68	20.31	22.30	1,106.10	10,013.02	8,177.51	8,136.68	40.83	200.264						
4,600.00	4,003.69	4,535.00	4,433.61	43.91	20.60	22.51	1,092.66	10,010.09	8,116.54	8,074.76	41.78	194.267						
4,700.00	4,085.22	4,608.64	4,504.73	45.15	21.02	22.81	1,074.02	10,005.95	8,055.86	8,013.02	42.84	188.042						
4,800.00	4,166.75	4,707.98	4,600.18	46.38	21.59	23.24	1,047.20	9,999.84	7,994.86	7,950.80	44.07	181.432						
4,900.00	4,248.27	4,752.08	4,642.35	47.61	21.85	23.44	1,034.62	9,997.17	7,934.11	7,889.10	45.01	176.257						
5,000.00	4,329.80	4,851.27	4,737.68	48.84	22.43	23.88	1,007.82	9,991.35	7,873.78	7,827.52	46.26	170.190						
5,100.00	4,411.33	4,949.75	4,832.68	50.08	22.99	24.31	982.77	9,984.72	7,812.96	7,765.46	47.49	164.503						
5,200.00	4,492.86	4,986.85	4,868.69	51.31	23.19	24.47	974.19	9,982.30	7,752.57	7,704.16	48.42	160.126						
5,300.00	4,574.38	5,115.19	4,993.08	52.54	23.90	25.02	943.80	9,973.70	7,692.23	7,642.44	49.79	154.495						
5,400.00	4,655.91	5,146.50	5,023.27	53.78	24.08	25.16	935.75	9,971.65	7,632.06	7,581.34	50.72	150.476						
5,500.00	4,737.44	5,187.00	5,062.19	55.01	24.31	25.35	924.85	9,969.09	7,572.33	7,520.62	51.71	146.452						
5,600.00	4,818.97	5,187.00	5,062.19	56.24	24.31	25.35	924.85	9,969.09	7,513.27	7,460.79	52.48	143.154						
5,700.00	4,900.49	5,237.01	5,110.30	57.48	24.60	25.59	911.47	9,966.34	7,454.62	7,401.08	53.54	139.233						
5,800.00	4,982.02	5,276.00	5,147.99	58.71	24.82	25.77	901.65	9,964.61	7,396.77	7,342.22	54.55	135.606						
5,900.00	5,063.55	5,481.67	5,346.03	59.95	26.01	26.76	847.41	9,953.14	7,338.17	7,281.69	56.47	129.937						
6,000.00	5,145.08	5,515.19	5,378.30	61.18	26.20	26.92	838.58	9,951.11	7,279.71	7,222.22	57.48	126.640						
6,100.00	5,226.60	5,571.71	5,432.91	62.42	26.53	27.20	824.39	9,947.97	7,221.81	7,163.18	58.63	123.184						
6,200.00	5,308.13	5,634.00	5,492.78	63.65	26.89	27.51	807.58	9,944.29	7,163.95	7,104.13	59.82	119.757						
6,300.00	5,389.66	5,991.00	5,836.92	64.89	28.93	29.33	716.61	9,918.70	7,106.40	7,043.81	62.59	113.545						
6,400.00	5,471.19	5,991.00	5,836.92	66.12	28.93	29.33	716.61	9,918.70	7,046.81	6,983.33	63.48	111.009						
6,500.00	5,552.72	6,027.72	5,872.23	67.36	29.14	29.53	707.07	9,915.44	6,987.78	6,923.20	64.58	108.207						
6,600.00	5,634.24	6,045.65	5,889.53	68.59	29.24	29.62	702.56	9,914.05	6,929.61	6,864.02	65.59	105.658						

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 114-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
6,700.00	5,715.77	6,081.00	5,923.73	69.83	29.44	29.81	693.93	9,911.72	6,872.30	6,805.60	66.70	103.040		
6,800.00	5,797.30	6,138.14	5,978.82	71.06	29.77	30.12	679.27	9,907.90	6,815.38	6,747.43	67.94	100.308		
6,900.00	5,878.83	6,261.00	6,096.61	72.30	30.51	30.81	645.60	9,898.78	6,758.20	6,688.58	69.62	97.079		
7,000.00	5,960.35	6,293.06	6,127.33	73.53	30.69	30.99	636.73	9,896.40	6,701.50	6,630.74	70.76	94.703		
7,100.00	6,041.88	6,321.54	6,154.78	74.77	30.86	31.15	629.38	9,894.52	6,645.53	6,573.63	71.90	92.429		
7,200.00	6,123.41	6,351.00	6,183.32	76.01	31.03	31.31	622.30	9,892.79	6,590.30	6,517.25	73.05	90.219		
7,300.00	6,204.94	6,394.99	6,226.07	77.24	31.26	31.55	612.17	9,890.48	6,535.72	6,461.45	74.27	87.996		
7,400.00	6,286.46	6,440.00	6,269.83	78.48	31.51	31.79	601.88	9,888.32	6,481.74	6,406.23	75.52	85.833		
7,500.00	6,367.99	6,440.00	6,269.83	79.71	31.51	31.79	601.88	9,888.32	6,428.61	6,352.08	76.53	84.004		
7,600.00	6,449.52	6,440.00	6,269.83	80.95	31.51	31.79	601.88	9,888.32	6,376.60	6,299.06	77.54	82.232		
7,700.00	6,531.05	6,440.00	6,269.83	82.19	31.51	31.79	601.88	9,888.32	6,325.75	6,247.18	78.56	80.518		
7,800.00	6,612.57	6,440.00	6,269.83	83.42	31.51	31.79	601.88	9,888.32	6,276.07	6,196.49	79.59	78.859		
7,900.00	6,694.10	6,483.17	6,311.80	84.66	31.73	32.03	591.83	9,887.43	6,226.36	6,145.49	80.87	76.993		
8,000.00	6,775.63	6,529.00	6,356.24	85.89	31.97	32.28	580.71	9,888.84	6,179.47	6,097.28	82.18	75.193		
8,100.00	6,857.16	6,529.00	6,356.24	87.13	31.97	32.28	580.71	9,888.84	6,132.42	6,049.19	83.22	73.687		
8,200.00	6,938.68	6,529.00	6,356.24	88.37	31.97	32.28	580.71	9,888.84	6,086.65	6,002.38	84.26	72.234		
8,300.00	7,020.21	6,529.00	6,356.24	89.60	31.97	32.28	580.71	9,888.84	6,042.18	5,956.88	85.30	70.832		
8,310.57	7,028.83	6,529.00	6,356.24	89.73	31.97	32.28	580.71	9,888.84	6,037.56	5,952.15	85.41	70.687		
8,350.00	7,060.23	6,529.00	6,356.24	90.25	31.97	30.51	580.71	9,888.84	6,019.25	5,933.43	85.83	70.133		
8,400.00	7,097.77	6,529.00	6,356.24	90.98	31.97	28.89	580.71	9,888.84	5,992.97	5,906.61	86.36	69.398		
8,450.00	7,132.48	6,529.00	6,356.24	91.79	31.97	27.85	580.71	9,888.84	5,963.39	5,876.51	86.89	68.632		
8,500.00	7,164.10	6,529.00	6,356.24	92.67	31.97	27.30	580.71	9,888.84	5,930.71	5,843.29	87.42	67.845		
8,550.00	7,192.40	6,529.00	6,356.24	93.63	31.97	27.22	580.71	9,888.84	5,895.11	5,807.18	87.93	67.042		
8,600.00	7,217.15	6,529.00	6,356.24	94.64	31.97	27.61	580.71	9,888.84	5,856.83	5,768.40	88.43	66.230		
8,650.00	7,238.16	6,529.00	6,356.24	95.70	31.97	28.56	580.71	9,888.84	5,816.09	5,727.18	88.91	65.416		
8,700.00	7,255.29	6,529.00	6,356.24	96.80	31.97	30.20	580.71	9,888.84	5,773.17	5,683.81	89.36	64.606		
8,750.00	7,268.39	6,529.00	6,356.24	97.92	31.97	32.86	580.71	9,888.84	5,728.34	5,638.56	89.78	63.806		
8,800.00	7,277.37	6,529.00	6,356.24	99.06	31.97	37.11	580.71	9,888.84	5,681.90	5,591.74	90.16	63.021		
8,850.00	7,282.15	6,529.00	6,356.24	100.20	31.97	44.22	580.71	9,888.84	5,634.17	5,543.67	90.50	62.256		
8,881.61	7,283.00	6,529.00	6,356.24	100.91	31.97	51.33	580.71	9,888.84	5,603.49	5,512.80	90.69	61.785		
8,900.00	7,283.00	6,529.00	6,356.24	101.33	31.97	51.33	580.71	9,888.84	5,585.54	5,494.74	90.80	61.514		
9,000.00	7,283.00	6,529.00	6,356.24	103.59	31.97	51.33	580.71	9,888.84	5,488.02	5,396.62	91.40	60.047		
9,100.00	7,283.00	6,529.00	6,356.24	105.87	31.97	51.33	580.71	9,888.84	5,390.58	5,298.57	92.01	58.585		
9,200.00	7,283.00	6,529.00	6,356.24	108.18	31.97	51.33	580.71	9,888.84	5,293.24	5,200.59	92.66	57.128		
9,300.00	7,283.00	6,529.00	6,356.24	110.50	31.97	51.33	580.71	9,888.84	5,196.00	5,102.68	93.32	55.678		
9,400.00	7,283.00	6,529.00	6,356.24	112.84	31.97	51.33	580.71	9,888.84	5,098.87	5,004.85	94.02	54.234		
9,500.00	7,283.00	6,529.00	6,356.24	115.19	31.97	51.33	580.71	9,888.84	5,001.85	4,907.11	94.74	52.797		
9,600.00	7,283.00	6,529.00	6,356.24	117.56	31.97	51.33	580.71	9,888.84	4,904.95	4,809.46	95.49	51.367		
9,700.00	7,283.00	6,529.00	6,356.24	119.95	31.97	51.33	580.71	9,888.84	4,808.18	4,711.90	96.27	49.944		
9,800.00	7,283.00	6,529.00	6,356.24	122.34	31.97	51.33	580.71	9,888.84	4,711.54	4,614.45	97.09	48.529		
9,900.00	7,283.00	6,529.00	6,356.24	124.76	31.97	51.33	580.71	9,888.84	4,615.04	4,517.10	97.94	47.122		
10,000.00	7,283.00	6,529.00	6,356.24	127.18	31.97	51.33	580.71	9,888.84	4,518.70	4,419.87	98.83	45.723		
10,100.00	7,283.00	6,529.00	6,356.24	129.61	31.97	51.33	580.71	9,888.84	4,422.52	4,322.76	99.75	44.334		
10,200.00	7,283.00	6,529.00	6,356.24	132.06	31.97	51.33	580.71	9,888.84	4,326.51	4,225.79	100.72	42.954		
10,300.00	7,283.00	6,529.00	6,356.24	134.52	31.97	51.33	580.71	9,888.84	4,230.69	4,128.95	101.74	41.584		
10,400.00	7,283.00	6,529.00	6,356.24	136.98	31.97	51.33	580.71	9,888.84	4,135.07	4,032.27	102.80	40.224		
10,500.00	7,283.00	6,529.00	6,356.24	139.46	31.97	51.33	580.71	9,888.84	4,039.65	3,935.74	103.91	38.875		
10,600.00	7,283.00	6,529.00	6,356.24	141.94	31.97	51.33	580.71	9,888.84	3,944.47	3,839.39	105.08	37.538		
10,700.00	7,283.00	6,529.00	6,356.24	144.44	31.97	51.33	580.71	9,888.84	3,849.53	3,743.23	106.30	36.213		
10,800.00	7,283.00	6,529.00	6,356.24	146.94	31.97	51.33	580.71	9,888.84	3,754.85	3,647.26	107.59	34.901		
10,900.00	7,283.00	6,529.00	6,356.24	149.45	31.97	51.33	580.71	9,888.84	3,660.45	3,551.52	108.94	33.602		
11,000.00	7,283.00	6,529.00	6,356.24	151.96	31.97	51.33	580.71	9,888.84	3,566.37	3,456.01	110.35	32.317		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 114-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,100.00	7,283.00	6,529.00	6,356.24	154.49	31.97	51.33	580.71	9,888.84	3,472.61	3,360.76	111.85	31.048		
11,200.00	7,283.00	6,569.26	6,395.03	157.01	32.16	53.06	570.80	9,892.94	3,377.28	3,263.32	113.96	29.636		
11,300.00	7,283.00	6,571.12	6,396.81	159.55	32.17	53.15	570.35	9,893.21	3,284.08	3,168.41	115.67	28.392		
11,400.00	7,283.00	6,573.09	6,398.70	162.09	32.18	53.23	569.87	9,893.51	3,191.29	3,073.81	117.47	27.166		
11,500.00	7,283.00	6,575.18	6,400.69	164.64	32.19	53.32	569.36	9,893.84	3,098.93	2,979.55	119.38	25.958		
11,600.00	7,283.00	6,577.39	6,402.81	167.19	32.20	53.42	568.82	9,894.20	3,007.05	2,885.65	121.40	24.769		
11,700.00	7,283.00	6,579.74	6,405.06	169.75	32.21	53.52	568.25	9,894.59	2,915.70	2,792.15	123.55	23.600		
11,800.00	7,283.00	6,618.00	6,441.29	172.31	32.39	55.19	559.03	9,902.64	2,826.44	2,700.06	126.38	22.365		
11,900.00	7,283.00	6,618.00	6,441.29	174.88	32.39	55.19	559.03	9,902.64	2,736.06	2,607.28	128.78	21.246		
12,000.00	7,283.00	6,618.00	6,441.29	177.45	32.39	55.19	559.03	9,902.64	2,646.38	2,515.05	131.32	20.152		
12,100.00	7,283.00	6,618.00	6,441.29	180.03	32.39	55.19	559.03	9,902.64	2,557.46	2,423.43	134.02	19.082		
12,200.00	7,283.00	6,618.00	6,441.29	182.61	32.39	55.19	559.03	9,902.64	2,469.38	2,332.49	136.89	18.039		
12,300.00	7,283.00	6,618.00	6,441.29	185.19	32.39	55.19	559.03	9,902.64	2,382.25	2,242.31	139.94	17.023		
12,400.00	7,283.00	6,618.00	6,441.29	187.78	32.39	55.19	559.03	9,902.64	2,296.17	2,152.99	143.18	16.037		
12,500.00	7,283.00	6,618.00	6,441.29	190.37	32.39	55.19	559.03	9,902.64	2,211.26	2,064.64	146.62	15.082		
12,600.00	7,283.00	6,618.00	6,441.29	192.97	32.39	55.19	559.03	9,902.64	2,127.67	1,977.40	150.27	14.159		
12,700.00	7,283.00	6,618.00	6,441.29	195.57	32.39	55.19	559.03	9,902.64	2,045.54	1,891.40	154.14	13.271		
12,800.00	7,283.00	6,618.00	6,441.29	198.17	32.39	55.19	559.03	9,902.64	1,965.07	1,806.83	158.24	12.418		
12,900.00	7,283.00	6,618.00	6,441.29	200.77	32.39	55.19	559.03	9,902.64	1,886.48	1,723.91	162.57	11.604		
13,000.00	7,283.00	6,618.00	6,441.29	203.38	32.39	55.19	559.03	9,902.64	1,809.99	1,642.86	167.13	10.830		
13,100.00	7,283.00	6,618.00	6,441.29	205.99	32.39	55.19	559.03	9,902.64	1,735.90	1,563.99	171.91	10.098		
13,200.00	7,283.00	6,658.12	6,478.62	208.61	32.54	56.94	549.77	9,914.05	1,663.17	1,484.79	178.38	9.324		
13,300.00	7,283.00	6,670.14	6,489.67	211.22	32.59	57.46	547.11	9,917.96	1,593.98	1,409.84	184.14	8.656		
13,400.00	7,283.00	6,708.00	6,523.99	213.84	32.73	59.10	539.10	9,931.77	1,528.39	1,337.33	191.06	7.999		
13,500.00	7,283.00	6,708.00	6,523.99	216.47	32.73	59.10	539.10	9,931.77	1,465.42	1,268.58	196.84	7.445		
13,600.00	7,283.00	6,708.00	6,523.99	219.09	32.73	59.10	539.10	9,931.77	1,406.74	1,204.11	202.62	6.943		
13,700.00	7,283.00	6,708.00	6,523.99	221.72	32.73	59.10	539.10	9,931.77	1,352.91	1,144.61	208.30	6.495		
13,800.00	7,283.00	6,751.19	6,562.13	224.34	32.87	60.96	530.14	9,949.94	1,302.93	1,086.91	216.02	6.032		
13,900.00	7,283.00	6,772.11	6,580.17	226.97	32.93	61.86	525.71	9,959.56	1,258.77	1,036.30	222.48	5.658		
14,000.00	7,283.00	6,797.00	6,601.23	229.61	33.01	62.92	520.35	9,971.68	1,220.37	991.57	228.81	5.334		
14,100.00	7,283.00	6,823.68	6,623.36	232.24	33.09	64.04	514.52	9,985.41	1,188.08	953.35	234.73	5.061		
14,200.00	7,283.00	6,855.13	6,648.85	234.88	33.19	65.36	507.53	10,002.43	1,162.16	921.85	240.31	4.836		
14,300.00	7,283.00	6,887.00	6,674.02	237.52	33.28	66.67	500.33	10,020.60	1,142.81	897.70	245.12	4.662		
14,400.00	7,283.00	6,931.11	6,707.66	240.16	33.41	68.45	490.25	10,047.30	1,130.01	880.14	249.88	4.522		
14,500.00	7,283.00	6,978.75	6,742.29	242.80	33.55	70.30	479.34	10,078.12	1,123.56	869.59	253.97	4.424		
14,600.00	7,283.00	7,111.84	6,831.46	245.44	33.88	75.04	453.80	10,173.40	1,121.38	858.59	262.79	4.267		
14,700.00	7,283.00	7,285.52	6,928.40	248.09	34.15	80.03	442.04	10,316.40	1,114.32	842.78	271.54	4.104		
14,800.00	7,283.00	7,353.58	6,956.05	250.74	34.24	81.45	441.12	10,378.54	1,108.90	833.86	275.04	4.032		
14,900.00	7,283.00	7,424.00	6,975.29	253.38	34.38	82.45	439.15	10,446.18	1,107.59	829.37	278.23	3.981		
14,906.90	7,283.00	7,424.00	6,975.29	253.57	34.38	82.45	439.15	10,446.18	1,107.57	829.33	278.24	3.981 CC		
15,000.00	7,283.00	7,470.71	6,982.87	256.03	34.51	82.85	436.92	10,492.20	1,109.88	829.78	280.10	3.962		
15,100.00	7,283.00	7,555.01	6,989.10	258.69	34.85	83.21	431.40	10,576.06	1,115.54	832.12	283.42	3.936		
15,200.00	7,283.00	7,693.27	6,992.59	261.34	35.74	83.42	425.66	10,714.15	1,119.55	830.26	289.29	3.870		
15,300.00	7,283.00	7,812.57	6,992.92	263.99	36.90	83.45	424.77	10,833.44	1,120.33	826.02	294.31	3.807		
15,400.00	7,283.00	7,898.39	6,992.24	266.65	37.98	83.42	423.84	10,919.25	1,121.64	823.54	298.10	3.763		
15,500.00	7,283.00	7,993.65	6,990.47	269.31	39.41	83.34	422.41	11,014.48	1,123.51	821.17	302.34	3.716		
15,600.00	7,283.00	8,088.31	6,988.66	271.96	41.00	83.26	420.24	11,109.10	1,126.16	819.52	306.64	3.673		
15,700.00	7,283.00	8,217.35	6,988.11	274.62	43.38	83.24	418.28	11,238.11	1,127.98	815.46	312.53	3.609		
15,800.00	7,283.00	8,320.00	6,988.65	277.28	45.38	83.27	418.67	11,340.76	1,127.70	810.31	317.39	3.553		
15,804.45	7,283.00	8,320.00	6,988.65	277.40	45.38	83.27	418.67	11,340.76	1,127.70	810.27	317.43	3.553		
15,900.00	7,283.00	8,376.48	6,989.09	279.94	46.55	83.30	417.74	11,397.23	1,129.45	809.13	320.32	3.526		
16,000.00	7,283.00	8,442.16	6,989.21	282.61	47.95	83.33	414.10	11,462.80	1,134.95	811.57	323.37	3.510		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 1-T4N-R68W - CITO TRUST 1E-10-1N - ORIGINAL WELLBORE - WB #1 - ENSIGN 147												Offset Site Error:	0.00 usft
Survey Program: 114-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
16,100.00	7,283.00	8,588.00	6,989.51	285.27	51.15	83.39	406.04	11,608.39	1,141.00	810.30	330.70	3.450	
16,200.00	7,283.00	8,678.00	6,989.76	287.94	53.17	83.42	403.57	11,698.35	1,143.89	808.69	335.20	3.413	
16,300.00	7,283.00	8,813.70	6,989.95	290.60	56.27	83.44	401.61	11,834.01	1,145.32	803.49	341.83	3.351	
16,400.00	7,283.00	8,916.01	6,990.34	293.27	58.65	83.46	401.07	11,936.33	1,145.96	798.99	346.97	3.303	
16,500.00	7,283.00	9,013.38	6,990.63	295.94	60.94	83.48	401.05	12,033.69	1,146.13	794.19	351.94	3.257	
16,600.00	7,283.00	9,114.19	6,989.81	298.60	63.35	83.44	400.73	12,134.49	1,146.70	789.66	357.04	3.212	
16,700.00	7,283.00	9,219.26	6,987.84	301.27	65.88	83.34	400.92	12,239.55	1,146.90	784.61	362.29	3.166	
16,704.45	7,283.00	9,222.82	6,987.76	301.39	65.97	83.34	400.93	12,243.10	1,146.90	784.42	362.48	3.164	
16,800.00	7,283.00	9,307.37	6,986.87	303.94	68.03	83.30	400.71	12,327.65	1,147.42	780.53	366.90	3.127	
16,900.00	7,283.00	9,414.26	6,987.26	306.62	70.66	83.32	400.20	12,434.54	1,148.01	775.65	372.35	3.083	
17,000.00	7,283.00	9,510.13	6,986.94	309.29	73.03	83.31	399.69	12,530.40	1,148.74	771.40	377.34	3.044	
17,100.00	7,283.00	9,615.58	6,985.86	311.96	75.66	83.26	399.53	12,635.84	1,149.17	766.46	382.71	3.003	
17,200.00	7,283.00	9,717.84	6,986.74	314.63	78.23	83.30	399.32	12,738.10	1,149.43	761.41	388.03	2.962	
17,300.00	7,283.00	9,822.25	6,987.44	317.31	80.86	83.34	399.52	12,842.51	1,149.33	755.90	393.43	2.921	
17,400.00	7,283.00	9,949.81	6,987.08	319.98	84.08	83.31	401.78	12,970.04	1,147.74	748.15	399.59	2.872	
17,500.00	7,283.00	10,034.69	6,987.31	322.66	86.23	83.31	403.64	13,054.90	1,145.70	741.39	404.31	2.834	
17,592.92	7,283.00	10,112.00	6,987.92	325.15	88.20	83.34	404.19	13,132.21	1,145.11	736.51	408.60	2.803	
17,600.00	7,283.00	10,118.68	6,987.96	325.34	88.37	83.34	404.19	13,138.88	1,145.11	736.16	408.96	2.800	
17,700.00	7,283.00	10,231.60	6,987.86	328.01	91.27	83.33	405.01	13,251.80	1,144.56	729.87	414.69	2.760	
17,800.00	7,283.00	10,337.03	6,986.85	330.69	93.97	83.27	406.85	13,357.21	1,143.10	723.02	420.08	2.721	
17,900.00	7,283.00	10,430.15	6,985.27	333.37	96.37	83.18	408.49	13,450.30	1,141.73	716.70	425.02	2.686	
18,000.00	7,283.00	10,546.50	6,986.14	336.05	99.37	83.22	410.00	13,566.64	1,140.59	709.71	430.87	2.647	
18,100.00	7,283.00	10,643.73	6,986.41	338.73	101.88	83.22	412.52	13,663.83	1,138.15	702.10	436.05	2.610	
18,183.72	7,283.00	10,702.91	6,986.00	340.98	103.42	83.19	413.35	13,723.00	1,137.20	697.66	439.55	2.587	
18,200.00	7,283.00	10,714.20	6,985.97	341.41	103.72	83.19	413.35	13,734.29	1,137.24	697.04	440.20	2.583	
18,300.00	7,283.00	10,828.67	6,987.10	344.09	106.70	83.25	412.98	13,848.74	1,137.69	691.59	446.10	2.550	
18,324.45	7,283.00	10,842.70	6,987.35	344.75	107.07	83.26	413.00	13,862.77	1,137.62	690.62	447.00	2.545	
18,400.00	7,283.00	10,890.48	6,987.58	346.77	108.32	83.28	412.43	13,910.55	1,138.60	688.86	449.74	2.532	
18,500.00	7,283.00	10,979.34	6,986.05	349.46	110.66	83.22	409.61	13,999.35	1,142.07	687.66	454.41	2.513	
18,600.00	7,283.00	11,090.13	6,982.83	352.14	113.58	83.08	406.76	14,110.05	1,145.14	685.00	460.14	2.489	
18,700.00	7,283.00	11,195.37	6,978.50	354.82	116.35	82.87	405.15	14,215.20	1,147.31	681.80	465.51	2.465	
18,800.00	7,283.00	11,274.00	6,975.29	357.51	118.42	82.73	403.38	14,293.74	1,150.25	680.71	469.55	2.450	
18,900.00	7,283.00	11,370.66	6,973.59	360.19	120.98	82.67	399.86	14,390.31	1,154.25	679.65	474.61	2.432	
19,000.00	7,283.00	11,466.13	6,973.53	362.88	123.52	82.69	395.73	14,485.69	1,158.71	679.04	479.68	2.416 ES, SF	
19,100.00	7,283.00	11,516.00	6,973.44	365.56	124.84	82.70	393.50	14,535.51	1,164.42	682.79	481.63	2.418	
19,200.00	7,283.00	11,516.00	6,973.44	368.25	124.84	82.70	393.50	14,535.51	1,177.55	699.84	477.71	2.465	
19,247.68	7,283.00	11,516.00	6,973.44	369.53	124.84	82.70	393.50	14,535.51	1,186.73	712.00	474.73	2.500	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 114-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
1,600.00	1,544.94	2,653.00	2,596.10	8.19	11.18	15.22	1,452.67	10,122.37	9,972.73	9,955.88	16.84	592.131		
1,700.00	1,632.39	2,653.00	2,596.10	9.12	11.18	15.59	1,452.67	10,122.37	9,915.47	9,898.20	17.27	574.142		
1,800.00	1,718.11	2,699.01	2,639.60	10.11	11.46	16.14	1,437.98	10,119.34	9,855.91	9,837.94	17.97	548.430		
1,900.00	1,801.97	2,873.31	2,804.17	11.18	12.55	17.19	1,381.93	10,107.06	9,793.22	9,773.79	19.43	504.014		
1,969.27	1,858.92	2,886.41	2,816.54	11.96	12.63	17.59	1,377.77	10,106.12	9,748.46	9,728.63	19.82	491.749		
2,000.00	1,883.98	2,922.00	2,850.34	12.31	12.85	17.71	1,366.86	10,103.70	9,728.56	9,708.39	20.17	482.253		
2,100.00	1,965.50	2,922.00	2,850.34	13.48	12.85	17.71	1,366.86	10,103.70	9,663.44	9,642.81	20.63	468.395		
2,200.00	2,047.03	3,049.53	2,971.30	14.65	13.64	18.18	1,327.50	10,094.72	9,598.42	9,576.59	21.83	439.627		
2,300.00	2,128.56	3,102.00	3,021.11	15.84	13.97	18.37	1,311.42	10,090.94	9,533.46	9,510.84	22.62	421.504		
2,400.00	2,210.09	3,102.00	3,021.11	17.03	13.97	18.37	1,311.42	10,090.94	9,468.89	9,445.78	23.11	409.709		
2,500.00	2,291.61	3,154.00	3,070.51	18.23	14.29	18.56	1,295.57	10,087.44	9,404.59	9,380.68	23.91	393.259		
2,600.00	2,373.14	3,191.00	3,105.64	19.44	14.52	18.70	1,284.18	10,085.22	9,340.81	9,316.17	24.64	379.065		
2,700.00	2,454.67	3,191.00	3,105.64	20.64	14.52	18.70	1,284.18	10,085.22	9,277.48	9,252.32	25.17	368.661		
2,800.00	2,536.20	3,419.65	3,321.75	21.86	15.97	19.60	1,211.03	10,071.10	9,213.40	9,186.35	27.05	340.544		
2,900.00	2,617.72	3,466.56	3,366.07	23.07	16.28	19.78	1,195.91	10,068.23	9,149.79	9,121.91	27.89	328.122		
3,000.00	2,699.25	3,703.32	3,587.40	24.29	17.88	20.80	1,113.78	10,050.81	9,085.14	9,055.20	29.94	303.482		
3,100.00	2,780.78	3,731.00	3,613.07	25.50	18.07	20.92	1,103.66	10,048.63	9,020.54	8,989.85	30.68	293.977		
3,200.00	2,862.31	3,731.00	3,613.07	26.73	18.07	20.92	1,103.66	10,048.63	8,956.54	8,925.28	31.26	286.517		
3,300.00	2,943.83	3,779.54	3,658.18	27.95	18.41	21.14	1,086.10	10,045.10	8,892.77	8,860.60	32.16	276.502		
3,400.00	3,025.36	3,820.00	3,695.95	29.17	18.69	21.32	1,071.81	10,042.58	8,829.76	8,796.74	33.02	267.410		
3,500.00	3,106.89	3,820.00	3,695.95	30.40	18.69	21.32	1,071.81	10,042.58	8,767.13	8,733.51	33.62	260.761		
3,600.00	3,188.42	3,820.00	3,695.95	31.62	18.69	21.32	1,071.81	10,042.58	8,705.21	8,670.97	34.23	254.310		
3,700.00	3,269.94	3,871.30	3,744.14	32.85	19.02	21.55	1,054.43	10,039.84	8,643.61	8,608.43	35.17	245.758		
3,800.00	3,351.47	3,909.00	3,779.80	34.07	19.27	21.71	1,042.34	10,038.06	8,582.63	8,546.59	36.03	238.181		
3,900.00	3,433.00	3,909.00	3,779.80	35.30	19.27	21.71	1,042.34	10,038.06	8,522.17	8,485.50	36.67	232.415		
4,000.00	3,514.53	3,951.31	3,820.14	36.53	19.53	21.89	1,029.70	10,036.30	8,462.19	8,424.64	37.55	225.349		
4,100.00	3,596.05	4,357.00	4,206.64	37.76	22.06	23.63	909.49	10,012.64	8,400.91	8,360.33	40.59	206.990		
4,200.00	3,677.58	4,400.30	4,247.62	38.99	22.33	23.83	895.91	10,009.38	8,338.88	8,297.36	41.52	200.860		
4,300.00	3,759.11	4,446.00	4,291.12	40.22	22.63	24.03	882.28	10,006.05	8,277.24	8,234.77	42.47	194.904		
4,400.00	3,840.64	4,476.88	4,320.56	41.45	22.82	24.17	873.24	10,003.90	8,216.04	8,172.70	43.34	189.581		
4,500.00	3,922.16	4,510.01	4,352.13	42.68	23.03	24.32	863.41	10,001.73	8,155.32	8,111.09	44.23	184.382		
4,600.00	4,003.69	4,551.83	4,391.91	43.91	23.29	24.51	850.76	9,999.19	8,095.10	8,049.91	45.19	179.135		
4,700.00	4,085.22	4,618.60	4,455.02	45.15	23.73	24.83	829.33	9,995.24	8,035.19	7,988.86	46.33	173.446		
4,800.00	4,166.75	4,659.55	4,493.46	46.38	24.01	25.04	815.40	9,992.91	7,975.62	7,928.29	47.33	168.519		
4,900.00	4,248.27	4,714.00	4,544.27	47.61	24.38	25.32	796.04	9,990.07	7,916.57	7,868.13	48.44	163.441		
5,000.00	4,329.80	4,714.00	4,544.27	48.84	24.38	25.32	796.04	9,990.07	7,858.02	7,808.84	49.18	159.778		
5,100.00	4,411.33	4,771.18	4,597.69	50.08	24.77	25.61	775.83	9,987.41	7,799.94	7,749.62	50.33	154.980		
5,200.00	4,492.86	4,938.88	4,755.75	51.31	25.89	26.46	720.50	9,978.76	7,741.66	7,689.45	52.21	148.269		
5,300.00	4,574.38	4,984.00	4,798.29	52.54	26.19	26.70	705.64	9,976.33	7,683.60	7,630.30	53.29	144.176		
5,400.00	4,655.91	4,984.00	4,798.29	53.78	26.19	26.70	705.64	9,976.33	7,626.13	7,572.05	54.08	141.013		
5,500.00	4,737.44	5,030.78	4,842.59	55.01	26.48	26.93	690.78	9,974.16	7,569.20	7,514.03	55.17	137.190		
5,600.00	4,818.97	5,060.32	4,870.77	56.24	26.67	27.08	681.98	9,973.00	7,512.96	7,456.80	56.16	133.769		
5,700.00	4,900.49	5,272.41	5,073.03	57.48	28.00	28.15	619.05	9,963.62	7,456.89	7,398.57	58.32	127.862		
5,800.00	4,982.02	5,366.00	5,160.73	58.71	28.64	28.67	586.87	9,957.90	7,399.73	7,339.91	59.82	123.700		
5,900.00	5,063.55	5,399.77	5,192.43	59.95	28.87	28.86	575.42	9,955.86	7,343.05	7,282.15	60.90	120.576		
6,000.00	5,145.08	5,422.52	5,213.95	61.18	29.01	28.98	568.11	9,954.67	7,287.13	7,225.22	61.91	117.700		
6,100.00	5,226.60	5,723.00	5,498.40	62.42	30.98	30.64	473.30	9,936.11	7,231.56	7,166.76	64.80	111.594		
6,200.00	5,308.13	5,762.10	5,535.14	63.65	31.25	30.87	460.34	9,932.73	7,174.19	7,108.22	65.98	108.737		
6,300.00	5,389.66	5,778.38	5,550.43	64.89	31.36	30.97	454.89	9,931.52	7,117.77	7,050.76	67.00	106.229		
6,400.00	5,471.19	5,813.00	5,582.94	66.12	31.60	31.17	443.20	9,929.29	7,062.25	6,994.08	68.17	103.595		
6,500.00	5,552.72	5,813.00	5,582.94	67.36	31.60	31.17	443.20	9,929.29	7,007.38	6,938.28	69.10	101.410		
6,600.00	5,634.24	5,813.00	5,582.94	68.59	31.60	31.17	443.20	9,929.29	6,953.51	6,883.47	70.03	99.289		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 1-T4N-R68W - CITO TRUST 1E-10-2N - ORIGINAL WELLBORE - WB #1 - ENSIGN 147		Offset Site Error:		0.00 usft
Survey Program:		114-MWD OWSG											Offset Well Error:		0.00 usft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
6,700.00	5,715.77	5,853.28	5,620.83	69.83	31.86	31.41	429.69	9,927.27	6,900.29	6,829.03	71.27	96.821					
6,800.00	5,797.30	5,902.00	5,666.87	71.06	32.19	31.70	413.83	9,925.55	6,848.17	6,775.59	72.58	94.357					
6,900.00	5,878.83	5,902.00	5,666.87	72.30	32.19	31.70	413.83	9,925.55	6,796.56	6,723.02	73.53	92.426					
7,000.00	5,960.35	6,228.71	5,975.08	73.53	34.36	33.67	306.61	9,910.61	6,745.62	6,668.67	76.94	87.673					
7,100.00	6,041.88	6,300.27	6,042.68	74.77	34.83	34.11	283.72	9,905.58	6,692.39	6,613.92	78.47	85.286					
7,200.00	6,123.41	6,351.00	6,090.81	76.01	35.17	34.43	268.00	9,902.43	6,639.96	6,560.10	79.86	83.148					
7,300.00	6,204.94	6,351.00	6,090.81	77.24	35.17	34.43	268.00	9,902.43	6,588.18	6,507.29	80.89	81.444					
7,400.00	6,286.46	6,401.10	6,138.47	78.48	35.48	34.73	252.79	9,899.76	6,537.19	6,454.90	82.29	79.441					
7,500.00	6,367.99	6,440.00	6,175.54	79.71	35.73	34.97	241.13	9,897.91	6,486.94	6,403.32	83.62	77.577					
7,600.00	6,449.52	6,440.00	6,175.54	80.95	35.73	34.97	241.13	9,897.91	6,437.64	6,352.97	84.68	76.026					
7,700.00	6,531.05	6,440.00	6,175.54	82.19	35.73	34.97	241.13	9,897.91	6,389.53	6,303.80	85.74	74.526					
7,800.00	6,612.57	6,440.00	6,175.54	83.42	35.73	34.97	241.13	9,897.91	6,342.63	6,255.84	86.80	73.075					
7,900.00	6,694.10	6,440.00	6,175.54	84.66	35.73	34.97	241.13	9,897.91	6,296.97	6,209.12	87.86	71.674					
8,000.00	6,775.63	6,440.00	6,175.54	85.89	35.73	34.97	241.13	9,897.91	6,252.58	6,163.66	88.91	70.321					
8,100.00	6,857.16	6,440.00	6,175.54	87.13	35.73	34.97	241.13	9,897.91	6,209.47	6,119.50	89.97	69.016					
8,200.00	6,938.68	6,440.00	6,175.54	88.37	35.73	34.97	241.13	9,897.91	6,167.69	6,076.67	91.03	67.757					
8,300.00	7,020.21	6,440.00	6,175.54	89.60	35.73	34.97	241.13	9,897.91	6,127.26	6,035.18	92.08	66.545					
8,310.57	7,028.83	6,440.00	6,175.54	89.73	35.73	34.97	241.13	9,897.91	6,123.06	6,030.88	92.19	66.420					
8,350.00	7,060.23	6,481.50	6,214.98	90.25	35.99	33.52	228.26	9,897.83	6,104.34	6,011.37	92.96	65.663					
8,400.00	7,097.77	6,483.88	6,217.23	90.98	36.00	32.03	227.49	9,897.94	6,079.77	5,986.24	93.53	65.001					
8,450.00	7,132.48	6,486.13	6,219.35	91.79	36.02	31.15	226.77	9,898.04	6,051.86	5,957.75	94.11	64.306					
8,500.00	7,164.10	6,529.00	6,259.51	92.67	36.28	31.14	212.38	9,902.14	6,022.71	5,927.66	95.05	63.361					
8,550.00	7,192.40	6,529.00	6,259.51	93.63	36.28	31.30	212.38	9,902.14	5,988.46	5,892.85	95.61	62.631					
8,600.00	7,217.15	6,529.00	6,259.51	94.64	36.28	32.00	212.38	9,902.14	5,951.46	5,855.30	96.17	61.886					
8,650.00	7,238.16	6,529.00	6,259.51	95.70	36.28	33.31	212.38	9,902.14	5,911.95	5,815.24	96.71	61.133					
8,700.00	7,255.29	6,529.00	6,259.51	96.80	36.28	35.40	212.38	9,902.14	5,870.17	5,772.95	97.22	60.378					
8,750.00	7,268.39	6,529.00	6,259.51	97.92	36.28	38.55	212.38	9,902.14	5,826.40	5,728.69	97.72	59.625					
8,800.00	7,277.37	6,529.00	6,259.51	99.06	36.28	43.26	212.38	9,902.14	5,780.94	5,682.76	98.18	58.881					
8,850.00	7,282.15	6,529.00	6,259.51	100.20	36.28	50.45	212.38	9,902.14	5,734.08	5,635.47	98.61	58.150					
8,881.61	7,283.00	6,529.00	6,259.51	100.91	36.28	56.96	212.38	9,902.14	5,703.90	5,605.04	98.86	57.697					
8,900.00	7,283.00	6,529.00	6,259.51	101.33	36.28	56.96	212.38	9,902.14	5,686.22	5,587.22	99.00	57.436					
9,000.00	7,283.00	6,529.00	6,259.51	103.59	36.28	56.96	212.38	9,902.14	5,590.23	5,490.44	99.79	56.022					
9,100.00	7,283.00	6,529.00	6,259.51	105.87	36.28	56.96	212.38	9,902.14	5,494.37	5,393.77	100.60	54.615					
9,200.00	7,283.00	6,529.00	6,259.51	108.18	36.28	56.96	212.38	9,902.14	5,398.67	5,297.22	101.45	53.217					
9,300.00	7,283.00	6,529.00	6,259.51	110.50	36.28	56.96	212.38	9,902.14	5,303.12	5,200.80	102.32	51.826					
9,400.00	7,283.00	6,529.00	6,259.51	112.84	36.28	56.96	212.38	9,902.14	5,207.74	5,104.51	103.24	50.444					
9,500.00	7,283.00	6,529.00	6,259.51	115.19	36.28	56.96	212.38	9,902.14	5,112.54	5,008.36	104.19	49.071					
9,600.00	7,283.00	6,529.00	6,259.51	117.56	36.28	56.96	212.38	9,902.14	5,017.53	4,912.36	105.17	47.708					
9,700.00	7,283.00	6,529.00	6,259.51	119.95	36.28	56.96	212.38	9,902.14	4,922.71	4,816.51	106.20	46.354					
9,800.00	7,283.00	6,529.00	6,259.51	122.34	36.28	56.96	212.38	9,902.14	4,828.10	4,720.84	107.26	45.011					
9,900.00	7,283.00	6,529.00	6,259.51	124.76	36.28	56.96	212.38	9,902.14	4,733.72	4,625.34	108.38	43.679					
10,000.00	7,283.00	6,529.00	6,259.51	127.18	36.28	56.96	212.38	9,902.14	4,639.56	4,530.03	109.53	42.357					
10,100.00	7,283.00	6,529.00	6,259.51	129.61	36.28	56.96	212.38	9,902.14	4,545.66	4,434.92	110.74	41.048					
10,200.00	7,283.00	6,529.00	6,259.51	132.06	36.28	56.96	212.38	9,902.14	4,452.03	4,340.03	112.00	39.751					
10,300.00	7,283.00	6,529.00	6,259.51	134.52	36.28	56.96	212.38	9,902.14	4,358.67	4,245.36	113.31	38.467					
10,400.00	7,283.00	6,529.00	6,259.51	136.98	36.28	56.96	212.38	9,902.14	4,265.62	4,150.94	114.68	37.196					
10,500.00	7,283.00	6,529.00	6,259.51	139.46	36.28	56.96	212.38	9,902.14	4,172.89	4,056.78	116.11	35.940					
10,600.00	7,283.00	6,529.00	6,259.51	141.94	36.28	56.96	212.38	9,902.14	4,080.50	3,962.90	117.60	34.698					
10,700.00	7,283.00	6,529.00	6,259.51	144.44	36.28	56.96	212.38	9,902.14	3,988.48	3,869.32	119.16	33.471					
10,800.00	7,283.00	6,529.00	6,259.51	146.94	36.28	56.96	212.38	9,902.14	3,896.86	3,776.07	120.79	32.261					
10,900.00	7,283.00	6,529.00	6,259.51	149.45	36.28	56.96	212.38	9,902.14	3,805.65	3,683.16	122.50	31.067					
11,000.00	7,283.00	6,529.00	6,259.51	151.96	36.28	56.96	212.38	9,902.14	3,714.90	3,590.62	124.28	29.891					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 114-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,100.00	7,283.00	6,529.00	6,259.51	154.49	36.28	56.96	212.38	9,902.14	3,624.64	3,498.48	126.15	28.733		
11,200.00	7,283.00	6,529.00	6,259.51	157.01	36.28	56.96	212.38	9,902.14	3,534.89	3,406.79	128.11	27.593		
11,300.00	7,283.00	6,529.00	6,259.51	159.55	36.28	56.96	212.38	9,902.14	3,445.72	3,315.56	130.16	26.474		
11,400.00	7,283.00	6,529.00	6,259.51	162.09	36.28	56.96	212.38	9,902.14	3,357.15	3,224.85	132.30	25.375		
11,500.00	7,283.00	6,529.00	6,259.51	164.64	36.28	56.96	212.38	9,902.14	3,269.24	3,134.69	134.55	24.297		
11,600.00	7,283.00	6,529.00	6,259.51	167.19	36.28	56.96	212.38	9,902.14	3,182.05	3,045.14	136.91	23.242		
11,700.00	7,283.00	6,529.00	6,259.51	169.75	36.28	56.96	212.38	9,902.14	3,095.63	2,956.25	139.38	22.210		
11,800.00	7,283.00	6,529.00	6,259.51	172.31	36.28	56.96	212.38	9,902.14	3,010.05	2,868.08	141.97	21.202		
11,900.00	7,283.00	6,529.00	6,259.51	174.88	36.28	56.96	212.38	9,902.14	2,925.39	2,780.70	144.69	20.219		
12,000.00	7,283.00	6,529.00	6,259.51	177.45	36.28	56.96	212.38	9,902.14	2,841.73	2,694.20	147.53	19.262		
12,100.00	7,283.00	6,529.00	6,259.51	180.03	36.28	56.96	212.38	9,902.14	2,759.15	2,608.64	150.51	18.332		
12,200.00	7,283.00	6,529.00	6,259.51	182.61	36.28	56.96	212.38	9,902.14	2,677.76	2,524.13	153.63	17.430		
12,300.00	7,283.00	6,529.00	6,259.51	185.19	36.28	56.96	212.38	9,902.14	2,597.67	2,440.79	156.88	16.558		
12,400.00	7,283.00	6,529.00	6,259.51	187.78	36.28	56.96	212.38	9,902.14	2,519.01	2,358.72	160.28	15.716		
12,500.00	7,283.00	6,529.00	6,259.51	190.37	36.28	56.96	212.38	9,902.14	2,441.90	2,278.08	163.83	14.905		
12,600.00	7,283.00	6,529.00	6,259.51	192.97	36.28	56.96	212.38	9,902.14	2,366.51	2,199.00	167.51	14.128		
12,700.00	7,283.00	6,529.00	6,259.51	195.57	36.28	56.96	212.38	9,902.14	2,293.00	2,121.67	171.33	13.383		
12,800.00	7,283.00	6,529.00	6,259.51	198.17	36.28	56.96	212.38	9,902.14	2,221.57	2,046.29	175.28	12.674		
12,900.00	7,283.00	6,562.91	6,290.83	200.77	36.47	58.15	200.91	9,908.22	2,151.33	1,970.72	180.61	11.911		
13,000.00	7,283.00	6,568.65	6,296.09	203.38	36.50	58.35	199.02	9,909.52	2,084.32	1,899.24	185.07	11.262		
13,100.00	7,283.00	6,575.13	6,302.02	205.99	36.54	58.57	196.91	9,911.07	2,019.96	1,830.30	189.66	10.650		
13,200.00	7,283.00	6,582.51	6,308.75	208.61	36.58	58.83	194.54	9,912.95	1,958.51	1,764.14	194.37	10.076		
13,300.00	7,283.00	6,618.00	6,340.71	211.22	36.77	60.04	183.54	9,923.74	1,900.83	1,700.58	200.25	9.492		
13,400.00	7,283.00	6,618.00	6,340.71	213.84	36.77	60.04	183.54	9,923.74	1,845.63	1,640.86	204.77	9.013		
13,500.00	7,283.00	6,618.00	6,340.71	216.47	36.77	60.04	183.54	9,923.74	1,794.30	1,585.11	209.20	8.577		
13,600.00	7,283.00	6,618.00	6,340.71	219.09	36.77	60.04	183.54	9,923.74	1,747.20	1,533.73	213.47	8.185		
13,700.00	7,283.00	6,648.31	6,367.50	221.72	36.91	61.06	174.60	9,934.74	1,704.19	1,485.19	219.01	7.782		
13,800.00	7,283.00	6,671.59	6,387.82	224.34	37.01	61.83	167.92	9,943.94	1,665.65	1,441.62	224.03	7.435		
13,900.00	7,283.00	6,708.00	6,419.07	226.97	37.17	63.03	157.83	9,959.64	1,631.73	1,402.28	229.45	7.111		
14,000.00	7,283.00	6,727.83	6,435.82	229.61	37.25	63.68	152.48	9,968.79	1,602.48	1,368.74	233.74	6.856		
14,100.00	7,283.00	6,759.60	6,462.30	232.24	37.37	64.70	143.96	9,984.15	1,578.18	1,339.91	238.26	6.624		
14,200.00	7,283.00	6,797.00	6,492.85	234.88	37.52	65.89	134.04	10,003.32	1,558.84	1,316.17	242.67	6.424		
14,300.00	7,283.00	6,845.08	6,531.01	237.52	37.68	67.38	121.79	10,029.86	1,544.30	1,297.11	247.19	6.247		
14,400.00	7,283.00	6,887.00	6,563.14	240.16	37.83	68.63	111.76	10,054.84	1,534.17	1,283.27	250.90	6.115		
14,500.00	7,283.00	6,924.06	6,590.20	242.80	37.95	69.70	102.98	10,078.58	1,528.96	1,275.09	253.87	6.023		
14,549.50	7,283.00	6,939.89	6,601.21	244.11	38.01	70.14	99.11	10,089.27	1,528.34	1,273.33	255.01	5.993 CC		
14,600.00	7,283.00	6,976.00	6,625.07	245.44	38.13	71.09	90.05	10,114.81	1,529.21	1,272.06	257.16	5.947		
14,700.00	7,283.00	7,003.21	6,642.03	248.09	38.22	71.78	83.12	10,134.92	1,533.80	1,275.20	258.60	5.931		
14,800.00	7,283.00	7,066.00	6,678.62	250.74	38.44	73.26	67.29	10,183.41	1,542.35	1,280.63	261.72	5.893		
14,900.00	7,283.00	7,438.32	6,821.43	253.38	39.45	78.82	23.47	10,518.12	1,545.01	1,266.99	278.02	5.557		
15,000.00	7,283.00	7,496.42	6,827.62	256.03	39.59	79.05	24.24	10,575.88	1,541.60	1,260.57	281.03	5.486		
15,100.00	7,283.00	7,564.41	6,831.33	258.69	39.82	79.18	24.52	10,643.76	1,540.32	1,256.15	284.17	5.420		
15,112.24	7,283.00	7,572.80	6,831.61	259.01	39.86	79.19	24.49	10,652.15	1,540.31	1,255.76	284.55	5.413		
15,200.00	7,283.00	7,654.80	6,832.94	261.34	40.25	79.24	23.89	10,734.14	1,540.79	1,252.83	287.96	5.351		
15,300.00	7,283.00	7,774.44	6,834.56	263.99	41.05	79.30	24.10	10,853.77	1,540.52	1,247.77	292.76	5.262		
15,400.00	7,283.00	7,891.99	6,836.85	266.65	42.11	79.38	25.99	10,971.28	1,538.70	1,241.06	297.63	5.170		
15,500.00	7,283.00	7,966.20	6,837.79	269.31	42.94	79.40	26.78	11,045.48	1,537.56	1,236.23	301.33	5.103		
15,600.00	7,283.00	8,076.40	6,839.34	271.96	44.41	79.45	27.91	11,155.66	1,536.40	1,230.19	306.21	5.017		
15,652.30	7,283.00	8,112.96	6,839.24	273.35	44.95	79.45	28.18	11,192.21	1,536.14	1,228.02	308.11	4.986		
15,700.00	7,283.00	8,149.97	6,838.39	274.62	45.53	79.42	28.22	11,229.22	1,536.35	1,226.41	309.94	4.957		
15,800.00	7,283.00	8,270.16	6,834.96	277.28	47.55	79.29	28.98	11,349.35	1,536.42	1,221.26	315.17	4.875		
15,900.00	7,283.00	8,393.50	6,830.88	279.94	49.82	79.12	31.69	11,472.59	1,535.05	1,214.58	320.47	4.790		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 114-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
16,000.00	7,283.00	8,462.56	6,828.65	282.61	51.16	79.03	33.24	11,541.59	1,533.71	1,209.50	324.21	4.731		
16,004.45	7,283.00	8,465.28	6,828.58	282.73	51.22	79.03	33.26	11,544.32	1,533.71	1,209.34	324.37	4.728		
16,100.00	7,283.00	8,547.18	6,826.60	285.27	52.89	78.96	32.99	11,626.19	1,534.55	1,206.10	328.46	4.672		
16,200.00	7,283.00	8,676.83	6,823.55	287.94	55.63	78.84	33.77	11,755.80	1,534.60	1,200.38	334.22	4.592		
16,238.50	7,283.00	8,699.43	6,822.99	288.96	56.12	78.82	34.05	11,778.39	1,534.40	1,198.83	335.57	4.573		
16,300.00	7,283.00	8,734.44	6,822.13	290.60	56.89	78.79	33.97	11,813.39	1,534.93	1,197.30	337.62	4.546		
16,400.00	7,283.00	8,804.53	6,820.70	293.27	58.46	78.75	32.18	11,883.44	1,537.88	1,196.53	341.35	4.505		
16,500.00	7,283.00	8,907.72	6,821.49	295.94	60.83	78.81	28.16	11,986.54	1,541.72	1,195.19	346.53	4.449		
16,600.00	7,283.00	9,034.94	6,824.40	298.60	63.80	78.94	24.42	12,113.67	1,544.33	1,191.57	352.76	4.378		
16,700.00	7,283.00	9,131.20	6,825.08	301.27	66.07	78.98	22.66	12,209.91	1,546.15	1,188.46	357.69	4.323		
16,800.00	7,283.00	9,240.50	6,824.03	303.94	68.68	78.96	21.27	12,319.19	1,547.75	1,184.68	363.07	4.263		
16,900.00	7,283.00	9,346.18	6,823.77	306.62	71.23	78.96	20.20	12,424.86	1,548.95	1,180.59	368.36	4.205		
17,000.00	7,283.00	9,457.49	6,824.39	309.29	73.94	78.98	19.55	12,536.17	1,549.58	1,175.70	373.89	4.145		
17,100.00	7,283.00	9,575.30	6,826.37	311.96	76.83	79.06	19.72	12,653.97	1,549.29	1,169.61	379.68	4.081		
17,174.34	7,283.00	9,635.61	6,827.30	313.95	78.32	79.09	19.91	12,714.27	1,548.96	1,165.90	383.06	4.044		
17,200.00	7,283.00	9,656.46	6,827.34	314.63	78.84	79.09	19.91	12,735.12	1,549.00	1,164.79	384.21	4.032		
17,300.00	7,283.00	9,732.67	6,827.29	317.31	80.74	79.09	19.22	12,811.32	1,550.06	1,161.59	388.47	3.990		
17,400.00	7,283.00	9,847.55	6,828.34	319.98	83.63	79.15	17.23	12,926.18	1,551.80	1,157.55	394.25	3.936		
17,500.00	7,283.00	9,936.47	6,829.56	322.66	85.87	79.20	15.96	13,015.08	1,553.11	1,154.05	399.06	3.892		
17,600.00	7,283.00	10,045.24	6,831.58	325.34	88.63	79.29	14.56	13,123.83	1,554.16	1,149.50	404.66	3.841		
17,700.00	7,283.00	10,131.15	6,830.29	328.01	90.82	79.25	13.48	13,209.71	1,555.82	1,146.55	409.26	3.802		
17,800.00	7,283.00	10,248.92	6,827.96	330.69	93.82	79.17	12.46	13,327.45	1,557.20	1,142.17	415.03	3.752		
17,900.00	7,283.00	10,345.34	6,827.16	333.37	96.29	79.15	12.13	13,423.87	1,557.87	1,137.80	420.07	3.709		
18,000.00	7,283.00	10,503.48	6,826.00	336.05	100.34	79.10	13.45	13,581.98	1,557.52	1,130.45	427.07	3.647		
18,100.00	7,283.00	10,604.35	6,826.05	338.73	102.92	79.08	16.69	13,682.79	1,554.53	1,122.25	432.27	3.596		
18,200.00	7,283.00	10,693.37	6,827.43	341.41	105.21	79.11	18.68	13,771.78	1,552.19	1,114.96	437.22	3.550		
18,300.00	7,283.00	10,792.77	6,829.57	344.09	107.78	79.18	20.40	13,871.15	1,550.25	1,107.74	442.51	3.503		
18,400.00	7,283.00	10,920.44	6,833.86	346.77	111.08	79.32	23.33	13,998.71	1,547.57	1,098.93	448.65	3.449		
18,500.00	7,283.00	10,991.33	6,835.08	349.46	112.91	79.35	25.21	14,069.55	1,544.79	1,091.64	453.14	3.409		
18,579.99	7,283.00	11,041.69	6,834.57	351.60	114.22	79.33	25.93	14,119.90	1,543.97	1,087.62	456.35	3.383		
18,600.00	7,283.00	11,053.67	6,834.41	352.14	114.54	79.32	25.95	14,131.89	1,544.02	1,086.92	457.11	3.378		
18,700.00	7,283.00	11,131.65	6,833.18	354.82	116.58	79.29	24.92	14,209.85	1,545.66	1,084.21	461.45	3.350		
18,800.00	7,283.00	11,240.03	6,831.27	357.51	119.42	79.22	23.76	14,318.21	1,547.19	1,080.24	466.95	3.313		
18,900.00	7,283.00	11,340.34	6,829.28	360.19	122.05	79.16	22.89	14,418.49	1,548.58	1,076.47	472.12	3.280		
19,000.00	7,283.00	11,458.55	6,827.09	362.88	125.16	79.08	22.52	14,536.68	1,549.40	1,071.47	477.93	3.242		
19,100.00	7,283.00	11,500.00	6,826.38	365.56	126.25	79.06	22.64	14,578.12	1,550.72	1,069.97	480.74	3.226 ES, SF		
19,200.00	7,283.00	11,500.00	6,826.38	368.25	126.25	79.06	22.64	14,578.12	1,557.91	1,077.54	480.37	3.243		
19,247.68	7,283.00	11,500.00	6,826.38	369.53	126.25	79.06	22.64	14,578.12	1,563.58	1,084.05	479.53	3.261		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 114-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
1,500.00	1,455.84	2,473.00	2,416.25	7.33	10.77	14.96	1,419.42	10,127.89	10,007.15	9,991.09	16.06	623.168		
1,600.00	1,544.94	2,513.87	2,453.90	8.19	11.05	15.43	1,403.66	10,125.74	9,953.33	9,936.58	16.75	594.272		
1,700.00	1,632.39	2,742.00	2,666.09	9.12	12.60	16.57	1,321.23	10,111.22	9,896.11	9,877.46	18.64	530.845		
1,800.00	1,718.11	3,166.51	3,067.47	10.11	15.31	18.43	1,189.20	10,071.63	9,836.08	9,814.50	21.59	455.638		
1,900.00	1,801.97	3,191.00	3,090.47	11.18	15.47	19.06	1,181.25	10,068.91	9,771.22	9,749.03	22.19	440.383		
1,969.27	1,858.92	3,220.00	3,117.67	11.96	15.67	19.58	1,171.70	10,065.79	9,725.02	9,702.33	22.69	428.602		
2,000.00	1,883.98	3,228.17	3,125.33	12.31	15.72	19.62	1,168.97	10,064.94	9,704.34	9,681.45	22.89	424.044		
2,100.00	1,965.50	3,281.00	3,174.71	13.48	16.08	19.83	1,150.93	10,059.74	9,637.36	9,613.68	23.68	406.994		
2,200.00	2,047.03	3,281.00	3,174.71	14.65	16.08	19.83	1,150.93	10,059.74	9,570.60	9,546.45	24.16	396.153		
2,300.00	2,128.56	3,326.34	3,217.13	15.84	16.39	20.02	1,135.49	10,055.49	9,504.28	9,479.35	24.93	381.211		
2,400.00	2,210.09	3,371.00	3,259.14	17.03	16.69	20.20	1,120.94	10,051.30	9,438.24	9,412.53	25.71	367.076		
2,500.00	2,291.61	3,399.64	3,286.11	18.23	16.88	20.31	1,111.66	10,048.69	9,372.55	9,346.14	26.41	354.949		
2,600.00	2,373.14	3,427.43	3,312.19	19.44	17.07	20.43	1,102.36	10,046.31	9,307.27	9,280.17	27.10	343.384		
2,700.00	2,454.67	3,461.00	3,343.57	20.64	17.29	20.57	1,090.75	10,043.64	9,242.42	9,214.57	27.85	331.854		
2,800.00	2,536.20	3,489.23	3,369.93	21.86	17.49	20.69	1,080.86	10,041.50	9,177.98	9,149.41	28.58	321.155		
2,900.00	2,617.72	3,525.61	3,403.97	23.07	17.74	20.85	1,068.29	10,038.84	9,113.94	9,084.57	29.37	310.342		
3,000.00	2,699.25	3,551.00	3,427.76	24.29	17.91	20.96	1,059.63	10,037.04	9,050.29	9,020.19	30.10	300.719		
3,100.00	2,780.78	3,605.50	3,478.85	25.50	18.28	21.19	1,040.99	10,033.32	8,986.97	8,955.95	31.02	289.710		
3,200.00	2,862.31	3,641.00	3,512.08	26.73	18.52	21.35	1,028.72	10,031.02	8,924.04	8,892.21	31.83	280.338		
3,300.00	2,943.83	3,685.91	3,554.07	27.95	18.83	21.55	1,013.05	10,028.26	8,861.49	8,828.77	32.72	270.820		
3,400.00	3,025.36	3,731.00	3,596.19	29.17	19.14	21.75	997.16	10,025.65	8,799.34	8,765.72	33.62	261.728		
3,500.00	3,106.89	3,778.49	3,640.51	30.40	19.48	21.96	980.31	10,023.02	8,737.55	8,703.00	34.55	252.904		
3,600.00	3,188.42	3,820.00	3,679.22	31.62	19.76	22.15	965.50	10,020.77	8,676.06	8,640.62	35.45	244.758		
3,700.00	3,269.94	3,862.01	3,718.48	32.85	20.05	22.35	950.70	10,018.59	8,614.98	8,578.62	36.35	236.973		
3,800.00	3,351.47	4,024.86	3,871.76	34.07	21.15	23.08	896.47	10,009.60	8,554.08	8,516.03	38.05	224.831		
3,900.00	3,433.00	4,052.18	3,897.48	35.30	21.33	23.20	887.41	10,007.97	8,492.95	8,454.08	38.87	218.482		
4,000.00	3,514.53	4,227.74	4,061.02	36.53	22.56	24.05	824.58	9,996.99	8,431.75	8,391.02	40.73	207.018		
4,100.00	3,596.05	4,267.00	4,097.60	37.76	22.84	24.24	810.58	9,994.36	8,370.50	8,328.82	41.68	200.850		
4,200.00	3,677.58	4,308.11	4,136.08	38.99	23.12	24.44	796.35	9,991.69	8,309.68	8,267.05	42.63	194.919		
4,300.00	3,759.11	4,357.00	4,182.00	40.22	23.46	24.68	779.84	9,988.65	8,249.29	8,205.64	43.65	188.993		
4,400.00	3,840.64	4,397.48	4,219.95	41.45	23.74	24.87	765.97	9,986.24	8,189.30	8,144.67	44.63	183.505		
4,500.00	3,922.16	4,446.00	4,265.08	42.68	24.08	25.12	748.38	9,983.51	8,129.73	8,084.06	45.67	177.991		
4,600.00	4,003.69	4,446.00	4,265.08	43.91	24.08	25.12	748.38	9,983.51	8,070.76	8,024.36	46.39	173.964		
4,700.00	4,085.22	4,494.13	4,309.77	45.15	24.42	25.37	730.64	9,981.10	8,012.22	7,964.75	47.47	168.797		
4,800.00	4,166.75	4,535.00	4,347.87	46.38	24.71	25.58	715.97	9,979.41	7,954.42	7,905.92	48.50	164.018		
4,900.00	4,248.27	4,535.00	4,347.87	47.61	24.71	25.58	715.97	9,979.41	7,897.19	7,847.95	49.24	160.380		
5,000.00	4,329.80	4,575.20	4,385.57	48.84	24.98	25.78	702.09	9,978.06	7,840.57	7,790.30	50.27	155.977		
5,100.00	4,411.33	4,625.00	4,432.67	50.08	25.31	26.02	685.97	9,976.76	7,784.66	7,733.29	51.37	151.550		
5,200.00	4,492.86	4,790.58	4,588.34	51.31	26.43	26.86	629.93	9,971.03	7,728.45	7,675.16	53.29	145.016		
5,300.00	4,574.38	4,838.99	4,633.35	52.54	26.77	27.12	612.23	9,969.03	7,672.20	7,617.76	54.44	140.935		
5,400.00	4,655.91	4,869.16	4,661.49	53.78	26.98	27.29	601.40	9,967.95	7,616.57	7,561.11	55.46	137.341		
5,500.00	4,737.44	4,914.28	4,703.78	55.01	27.29	27.53	585.75	9,966.56	7,561.57	7,504.99	56.59	133.622		
5,600.00	4,818.97	5,045.00	4,827.39	56.24	28.16	28.20	543.47	9,962.25	7,506.73	7,448.42	58.31	128.745		
5,700.00	4,900.49	5,118.92	4,897.34	57.48	28.64	28.59	519.71	9,959.36	7,451.72	7,392.08	59.64	124.943		
5,800.00	4,982.02	5,496.00	5,253.29	58.71	31.15	30.64	397.88	9,936.13	7,394.78	7,331.70	63.08	117.231		
5,900.00	5,063.55	5,522.07	5,277.78	59.95	31.33	30.79	389.14	9,934.15	7,337.89	7,273.74	64.15	114.394		
6,000.00	5,145.08	5,571.25	5,323.73	61.18	31.68	31.08	372.05	9,930.45	7,281.53	7,216.13	65.40	111.346		
6,100.00	5,226.60	5,586.00	5,337.46	62.42	31.78	31.16	366.76	9,929.35	7,225.78	7,159.37	66.41	108.814		
6,200.00	5,308.13	5,628.77	5,377.20	63.65	32.09	31.42	351.22	9,926.36	7,170.65	7,103.00	67.65	106.000		
6,300.00	5,389.66	5,675.00	5,420.08	64.89	32.42	31.70	334.19	9,923.56	7,116.39	7,047.46	68.93	103.238		
6,400.00	5,471.19	5,675.00	5,420.08	66.12	32.42	31.70	334.19	9,923.56	7,062.75	6,992.90	69.86	101.100		
6,500.00	5,552.72	5,734.31	5,475.49	67.36	32.83	32.06	313.26	9,920.45	7,009.81	6,938.56	71.25	98.385		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 114-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
6,600.00	5,634.24	5,764.00	5,503.53	68.59	33.04	32.23	303.61	9,919.03	6,957.45	6,885.03	72.42	96.073		
6,700.00	5,715.77	5,804.54	5,541.95	69.83	33.30	32.46	290.76	9,917.33	6,905.77	6,832.10	73.66	93.746		
6,800.00	5,797.30	5,854.00	5,588.78	71.06	33.63	32.75	274.95	9,915.71	6,854.98	6,779.99	74.99	91.412		
6,900.00	5,878.83	5,874.05	5,607.72	72.30	33.76	32.87	268.42	9,915.13	6,804.82	6,728.70	76.12	89.401		
7,000.00	5,960.35	5,943.00	5,672.41	73.53	34.23	33.29	244.64	9,912.93	6,755.22	6,677.58	77.64	87.004		
7,100.00	6,041.88	6,211.00	5,924.41	74.77	36.05	34.94	154.51	9,900.91	6,705.23	6,624.48	80.74	83.044		
7,200.00	6,123.41	6,245.21	5,957.10	76.01	36.27	35.14	144.58	9,899.07	6,654.56	6,572.55	82.01	81.142		
7,300.00	6,204.94	6,266.34	5,977.26	77.24	36.40	35.27	138.31	9,898.11	6,604.84	6,521.64	83.20	79.386		
7,400.00	6,286.46	6,301.00	6,010.26	78.48	36.62	35.48	127.82	9,896.84	6,556.08	6,471.59	84.49	77.593		
7,500.00	6,367.99	6,365.47	6,071.35	79.71	37.04	35.88	107.37	9,894.31	6,507.88	6,421.84	86.04	75.636		
7,600.00	6,449.52	6,477.65	6,177.46	80.95	37.78	36.59	71.34	9,889.25	6,459.74	6,371.75	87.99	73.415		
7,700.00	6,531.05	6,659.00	6,349.12	82.19	38.97	37.76	13.80	9,878.93	6,411.11	6,320.63	90.49	70.851		
7,800.00	6,612.57	6,709.05	6,396.08	83.42	39.32	38.09	-3.14	9,875.37	6,362.59	6,270.57	92.02	69.146		
7,900.00	6,694.10	6,749.00	6,433.54	84.66	39.60	38.36	-16.79	9,872.86	6,315.06	6,221.58	93.48	67.557		
8,000.00	6,775.63	6,749.00	6,433.54	85.89	39.60	38.36	-16.79	9,872.86	6,268.48	6,173.87	94.61	66.256		
8,100.00	6,857.16	6,749.00	6,433.54	87.13	39.60	38.36	-16.79	9,872.86	6,223.15	6,127.41	95.74	65.001		
8,200.00	6,938.68	6,797.25	6,478.74	88.37	39.93	38.69	-33.50	9,870.47	6,178.43	6,081.12	97.30	63.496		
8,300.00	7,020.21	6,838.00	6,516.85	89.60	40.22	38.98	-47.86	9,869.19	6,135.22	6,036.41	98.81	62.089		
8,310.57	7,028.83	6,838.00	6,516.85	89.73	40.22	38.98	-47.86	9,869.19	6,130.68	6,031.75	98.93	61.967		
8,350.00	7,060.23	6,838.00	6,516.85	90.25	40.22	37.43	-47.86	9,869.19	6,112.70	6,013.31	99.39	61.501		
8,400.00	7,097.77	6,838.00	6,516.85	90.98	40.22	36.17	-47.86	9,869.19	6,086.88	5,986.89	99.99	60.876		
8,450.00	7,132.48	6,838.00	6,516.85	91.79	40.22	35.57	-47.86	9,869.19	6,057.85	5,957.25	100.60	60.218		
8,500.00	7,164.10	6,838.00	6,516.85	92.67	40.22	35.57	-47.86	9,869.19	6,025.77	5,924.56	101.21	59.535		
8,550.00	7,192.40	6,838.00	6,516.85	93.63	40.22	36.15	-47.86	9,869.19	5,990.85	5,889.02	101.83	58.831		
8,600.00	7,217.15	6,838.00	6,516.85	94.64	40.22	37.39	-47.86	9,869.19	5,953.30	5,850.86	102.44	58.114		
8,650.00	7,238.16	6,838.00	6,516.85	95.70	40.22	39.38	-47.86	9,869.19	5,913.37	5,810.32	103.04	57.388		
8,700.00	7,255.29	6,838.00	6,516.85	96.80	40.22	42.34	-47.86	9,869.19	5,871.30	5,767.67	103.62	56.660		
8,750.00	7,268.39	6,838.00	6,516.85	97.92	40.22	46.62	-47.86	9,869.19	5,827.38	5,723.20	104.18	55.934		
8,800.00	7,277.37	6,838.00	6,516.85	99.06	40.22	52.77	-47.86	9,869.19	5,781.90	5,677.19	104.71	55.216		
8,850.00	7,282.15	6,838.00	6,516.85	100.20	40.22	61.65	-47.86	9,869.19	5,735.19	5,629.97	105.21	54.511		
8,881.61	7,283.00	6,838.00	6,516.85	100.91	40.22	69.15	-47.86	9,869.19	5,705.16	5,599.65	105.51	54.074		
8,900.00	7,283.00	6,838.00	6,516.85	101.33	40.22	69.15	-47.86	9,869.19	5,687.60	5,581.92	105.67	53.822		
9,000.00	7,283.00	6,838.00	6,516.85	103.59	40.22	69.15	-47.86	9,869.19	5,592.22	5,485.62	106.60	52.457		
9,100.00	7,283.00	6,838.00	6,516.85	105.87	40.22	69.15	-47.86	9,869.19	5,497.01	5,389.44	107.57	51.101		
9,200.00	7,283.00	6,838.00	6,516.85	108.18	40.22	69.15	-47.86	9,869.19	5,401.97	5,293.40	108.57	49.754		
9,300.00	7,283.00	6,838.00	6,516.85	110.50	40.22	69.15	-47.86	9,869.19	5,307.11	5,197.50	109.62	48.415		
9,400.00	7,283.00	6,838.00	6,516.85	112.84	40.22	69.15	-47.86	9,869.19	5,212.45	5,101.75	110.70	47.086		
9,500.00	7,283.00	6,838.00	6,516.85	115.19	40.22	69.15	-47.86	9,869.19	5,117.99	5,006.16	111.83	45.767		
9,600.00	7,283.00	6,838.00	6,516.85	117.56	40.22	69.15	-47.86	9,869.19	5,023.74	4,910.74	113.00	44.459		
9,700.00	7,283.00	6,838.00	6,516.85	119.95	40.22	69.15	-47.86	9,869.19	4,929.72	4,815.50	114.22	43.161		
9,800.00	7,283.00	6,838.00	6,516.85	122.34	40.22	69.15	-47.86	9,869.19	4,835.94	4,720.45	115.49	41.875		
9,900.00	7,283.00	6,838.00	6,516.85	124.76	40.22	69.15	-47.86	9,869.19	4,742.41	4,625.60	116.81	40.600		
10,000.00	7,283.00	6,838.00	6,516.85	127.18	40.22	69.15	-47.86	9,869.19	4,649.16	4,530.97	118.18	39.338		
10,100.00	7,283.00	6,838.00	6,516.85	129.61	40.22	69.15	-47.86	9,869.19	4,556.18	4,436.57	119.62	38.089		
10,200.00	7,283.00	6,838.00	6,516.85	132.06	40.22	69.15	-47.86	9,869.19	4,463.52	4,342.40	121.11	36.854		
10,300.00	7,283.00	6,838.00	6,516.85	134.52	40.22	69.15	-47.86	9,869.19	4,371.17	4,248.50	122.67	35.632		
10,400.00	7,283.00	6,838.00	6,516.85	136.98	40.22	69.15	-47.86	9,869.19	4,279.17	4,154.87	124.30	34.426		
10,500.00	7,283.00	6,838.00	6,516.85	139.46	40.22	69.15	-47.86	9,869.19	4,187.54	4,061.54	126.00	33.235		
10,600.00	7,283.00	6,838.00	6,516.85	141.94	40.22	69.15	-47.86	9,869.19	4,096.30	3,968.53	127.77	32.060		
10,700.00	7,283.00	6,838.00	6,516.85	144.44	40.22	69.15	-47.86	9,869.19	4,005.47	3,875.85	129.62	30.901		
10,800.00	7,283.00	6,838.00	6,516.85	146.94	40.22	69.15	-47.86	9,869.19	3,915.10	3,783.54	131.56	29.760		
10,900.00	7,283.00	6,838.00	6,516.85	149.45	40.22	69.15	-47.86	9,869.19	3,825.20	3,691.62	133.58	28.637		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 1-T4N-R68W - CITO TRUST 1E-10-3C - ORIGINAL WELLBORE - WB #1 - ENSIGN 147		Offset Site Error:		0.00 usft
Survey Program:		114-MWD OWSG											Offset Well Error:		0.00 usft		
Reference		Offset		Semi Major Axis		Distance								Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
11,000.00	7,283.00	6,838.00	6,516.85	151.96	40.22	69.15	-47.86	9,869.19	3,735.82	3,600.13	135.69	27.532					
11,100.00	7,283.00	6,838.00	6,516.85	154.49	40.22	69.15	-47.86	9,869.19	3,646.99	3,509.09	137.90	26.447					
11,200.00	7,283.00	6,838.00	6,516.85	157.01	40.22	69.15	-47.86	9,869.19	3,558.75	3,418.54	140.21	25.382					
11,300.00	7,283.00	6,838.00	6,516.85	159.55	40.22	69.15	-47.86	9,869.19	3,471.14	3,328.52	142.62	24.338					
11,400.00	7,283.00	6,838.00	6,516.85	162.09	40.22	69.15	-47.86	9,869.19	3,384.23	3,239.08	145.15	23.316					
11,500.00	7,283.00	6,838.00	6,516.85	164.64	40.22	69.15	-47.86	9,869.19	3,298.06	3,150.26	147.79	22.316					
11,600.00	7,283.00	6,838.00	6,516.85	167.19	40.22	69.15	-47.86	9,869.19	3,212.69	3,062.13	150.56	21.339					
11,700.00	7,283.00	6,838.00	6,516.85	169.75	40.22	69.15	-47.86	9,869.19	3,128.18	2,974.73	153.45	20.386					
11,800.00	7,283.00	6,838.00	6,516.85	172.31	40.22	69.15	-47.86	9,869.19	3,044.62	2,888.14	156.47	19.458					
11,900.00	7,283.00	6,838.00	6,516.85	174.88	40.22	69.15	-47.86	9,869.19	2,962.07	2,802.44	159.63	18.556					
12,000.00	7,283.00	6,838.00	6,516.85	177.45	40.22	69.15	-47.86	9,869.19	2,880.63	2,717.70	162.93	17.680					
12,100.00	7,283.00	6,838.00	6,516.85	180.03	40.22	69.15	-47.86	9,869.19	2,800.39	2,634.02	166.38	16.832					
12,200.00	7,283.00	6,838.00	6,516.85	182.61	40.22	69.15	-47.86	9,869.19	2,721.46	2,551.50	169.97	16.012					
12,300.00	7,283.00	6,838.00	6,516.85	185.19	40.22	69.15	-47.86	9,869.19	2,643.96	2,470.25	173.71	15.221					
12,400.00	7,283.00	6,838.00	6,516.85	187.78	40.22	69.15	-47.86	9,869.19	2,568.01	2,390.42	177.60	14.460					
12,500.00	7,283.00	6,838.00	6,516.85	190.37	40.22	69.15	-47.86	9,869.19	2,493.77	2,312.14	181.63	13.730					
12,600.00	7,283.00	6,838.00	6,516.85	192.97	40.22	69.15	-47.86	9,869.19	2,421.37	2,235.57	185.80	13.032					
12,700.00	7,283.00	6,838.00	6,516.85	195.57	40.22	69.15	-47.86	9,869.19	2,351.00	2,160.89	190.11	12.366					
12,800.00	7,283.00	6,838.00	6,516.85	198.17	40.22	69.15	-47.86	9,869.19	2,282.84	2,088.31	194.54	11.735					
12,900.00	7,283.00	6,838.00	6,516.85	200.77	40.22	69.15	-47.86	9,869.19	2,217.10	2,018.04	199.07	11.138					
13,000.00	7,283.00	6,838.00	6,516.85	203.38	40.22	69.15	-47.86	9,869.19	2,154.00	1,950.32	203.67	10.576					
13,100.00	7,283.00	6,838.00	6,516.85	205.99	40.22	69.15	-47.86	9,869.19	2,093.77	1,885.44	208.33	10.050					
13,200.00	7,283.00	6,838.00	6,516.85	208.61	40.22	69.15	-47.86	9,869.19	2,036.68	1,823.67	213.01	9.562					
13,300.00	7,283.00	6,838.00	6,516.85	211.22	40.22	69.15	-47.86	9,869.19	1,982.98	1,765.33	217.65	9.111					
13,400.00	7,283.00	6,838.00	6,516.85	213.84	40.22	69.15	-47.86	9,869.19	1,932.97	1,710.76	222.21	8.699					
13,500.00	7,283.00	6,838.00	6,516.85	216.47	40.22	69.15	-47.86	9,869.19	1,886.94	1,660.32	226.63	8.326					
13,600.00	7,283.00	6,838.00	6,516.85	219.09	40.22	69.15	-47.86	9,869.19	1,845.19	1,614.36	230.83	7.994					
13,700.00	7,283.00	6,838.00	6,516.85	221.72	40.22	69.15	-47.86	9,869.19	1,808.01	1,573.25	234.76	7.701					
13,800.00	7,283.00	6,838.00	6,516.85	224.34	40.22	69.15	-47.86	9,869.19	1,775.69	1,537.35	238.33	7.450					
13,900.00	7,283.00	6,838.00	6,516.85	226.97	40.22	69.15	-47.86	9,869.19	1,748.49	1,507.01	241.48	7.241					
14,000.00	7,283.00	6,838.00	6,516.85	229.61	40.22	69.15	-47.86	9,869.19	1,726.67	1,482.54	244.13	7.073					
14,100.00	7,283.00	6,838.00	6,516.85	232.24	40.22	69.15	-47.86	9,869.19	1,710.43	1,464.20	246.23	6.947					
14,200.00	7,283.00	6,838.00	6,516.85	234.88	40.22	69.15	-47.86	9,869.19	1,699.92	1,452.20	247.72	6.862					
14,300.00	7,283.00	6,838.00	6,516.85	237.52	40.22	69.15	-47.86	9,869.19	1,695.26	1,446.67	248.59	6.820					
14,329.16	7,283.00	6,838.00	6,516.85	238.29	40.22	69.15	-47.86	9,869.19	1,695.01	1,446.29	248.72	6.815 CC					
14,400.00	7,283.00	6,838.00	6,516.85	240.16	40.22	69.15	-47.86	9,869.19	1,696.49	1,447.68	248.81	6.818					
14,500.00	7,283.00	6,838.00	6,516.85	242.80	40.22	69.15	-47.86	9,869.19	1,703.60	1,455.20	248.40	6.858					
14,600.00	7,283.00	6,838.00	6,516.85	245.44	40.22	69.15	-47.86	9,869.19	1,716.51	1,469.14	247.37	6.939					
14,700.00	7,283.00	6,830.79	6,510.12	248.09	40.17	68.91	-45.31	9,869.37	1,735.09	1,489.69	245.39	7.071					
14,800.00	7,283.00	6,828.26	6,507.75	250.74	40.15	68.82	-44.41	9,869.43	1,759.16	1,516.02	243.14	7.235					
14,900.00	7,283.00	6,825.53	6,505.19	253.38	40.13	68.73	-43.44	9,869.51	1,788.51	1,548.09	240.42	7.439					
15,000.00	7,283.00	6,822.56	6,502.42	256.03	40.11	68.63	-42.39	9,869.59	1,822.87	1,585.58	237.29	7.682					
15,100.00	7,283.00	6,819.33	6,499.40	258.69	40.09	68.52	-41.25	9,869.69	1,861.97	1,628.14	233.83	7.963					
15,200.00	7,283.00	8,142.92	7,120.60	261.34	46.03	90.02	-346.91	10,780.13	1,884.99	1,590.02	294.97	6.390					
15,300.00	7,283.00	8,254.19	7,114.06	263.99	46.67	89.82	-344.24	10,891.17	1,882.79	1,583.31	299.48	6.287					
15,400.00	7,283.00	8,365.82	7,108.92	266.65	47.49	89.66	-340.71	11,002.62	1,879.80	1,575.69	304.12	6.181					
15,500.00	7,283.00	8,450.00	7,107.21	269.31	48.24	89.61	-336.76	11,086.69	1,875.55	1,567.31	308.23	6.085					
15,600.00	7,283.00	8,539.00	7,108.91	271.96	49.20	89.66	-334.49	11,175.62	1,873.18	1,560.64	312.54	5.993					
15,635.11	7,283.00	8,539.00	7,108.91	272.90	49.20	89.66	-334.49	11,175.62	1,872.85	1,559.62	313.23	5.979					
15,700.00	7,283.00	8,586.27	7,110.68	274.62	49.80	89.71	-334.87	11,222.85	1,873.38	1,557.62	315.76	5.933					
15,800.00	7,283.00	8,670.80	7,113.84	277.28	50.97	89.81	-335.71	11,307.32	1,874.56	1,554.55	320.01	5.858					
15,900.00	7,283.00	8,755.24	7,115.80	279.94	52.28	89.87	-337.62	11,391.72	1,876.94	1,552.65	324.29	5.788					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 1-T4N-R68W - CITO TRUST 1E-10-3C - ORIGINAL WELLBORE - WB #1 - ENSIGN 147												Offset Site Error:	0.00 usft
Survey Program: 114-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
16,000.00	7,283.00	8,864.90	7,117.04	282.61	54.13	89.91	-340.05	11,501.35	1,879.33	1,549.88	329.45	5.704	
16,100.00	7,283.00	8,969.93	7,117.76	285.27	56.04	89.93	-341.87	11,606.35	1,881.22	1,546.71	334.51	5.624	
16,200.00	7,283.00	9,052.53	7,117.81	287.94	57.63	89.93	-343.52	11,688.94	1,883.40	1,544.52	338.88	5.558	
16,300.00	7,283.00	9,150.02	7,116.51	290.60	59.59	89.89	-346.26	11,786.38	1,886.37	1,542.59	343.79	5.487	
16,400.00	7,283.00	9,339.64	7,114.37	293.27	63.53	89.83	-345.29	11,975.95	1,885.28	1,533.74	351.54	5.363	
16,500.00	7,283.00	9,458.75	7,112.99	295.94	66.09	89.78	-342.09	12,095.01	1,882.74	1,525.64	357.09	5.272	
16,600.00	7,283.00	9,550.41	7,112.21	298.60	68.10	89.76	-339.52	12,186.63	1,880.10	1,518.13	361.97	5.194	
16,700.00	7,283.00	9,664.17	7,111.74	301.27	70.65	89.74	-336.42	12,300.35	1,877.58	1,510.15	367.43	5.110	
16,800.00	7,283.00	9,778.43	7,112.84	303.94	73.25	89.78	-331.91	12,414.51	1,873.76	1,500.87	372.89	5.025	
16,900.00	7,283.00	9,877.36	7,113.51	306.62	75.54	89.80	-327.86	12,513.36	1,869.83	1,491.81	378.02	4.946	
17,000.00	7,283.00	10,001.50	7,114.31	309.29	78.44	89.82	-322.11	12,637.37	1,865.38	1,481.67	383.71	4.861	
17,100.00	7,283.00	10,094.25	7,115.63	311.96	80.63	89.86	-316.81	12,729.95	1,859.87	1,471.13	388.73	4.784	
17,200.00	7,283.00	10,153.00	7,117.36	314.63	82.03	89.92	-314.57	12,788.63	1,856.19	1,463.24	392.95	4.724	
17,278.88	7,283.00	10,183.75	7,118.43	316.74	82.78	89.95	-314.14	12,819.35	1,855.18	1,459.48	395.70	4.688	
17,300.00	7,283.00	10,192.17	7,118.69	317.31	82.99	89.96	-314.15	12,827.78	1,855.25	1,458.85	396.40	4.680	
17,400.00	7,283.00	10,242.00	7,120.06	319.98	84.21	90.00	-315.42	12,877.57	1,857.63	1,457.76	399.86	4.646	
17,500.00	7,283.00	10,336.75	7,120.18	322.66	86.57	90.00	-319.25	12,972.23	1,861.79	1,456.89	404.91	4.598	
17,600.00	7,283.00	10,469.74	7,117.80	325.34	89.90	89.93	-322.79	13,105.15	1,864.64	1,453.26	411.38	4.533	
17,700.00	7,283.00	10,595.25	7,115.03	328.01	93.05	89.84	-323.98	13,230.62	1,865.74	1,448.25	417.49	4.469	
17,800.00	7,283.00	10,695.95	7,113.07	330.69	95.58	89.78	-324.31	13,331.31	1,866.24	1,443.45	422.79	4.414	
17,900.00	7,283.00	10,796.03	7,111.52	333.37	98.11	89.74	-324.60	13,431.37	1,866.70	1,438.63	428.07	4.361	
18,000.00	7,283.00	10,890.03	7,111.33	336.05	100.50	89.73	-325.06	13,525.37	1,867.35	1,434.19	433.16	4.311	
18,100.00	7,283.00	10,984.48	7,111.79	338.73	102.91	89.75	-325.81	13,619.81	1,868.31	1,430.04	438.27	4.263	
18,200.00	7,283.00	11,081.31	7,111.88	341.41	105.38	89.75	-326.84	13,716.63	1,869.53	1,426.07	443.46	4.216	
18,300.00	7,283.00	11,191.23	7,111.63	344.09	108.21	89.74	-327.91	13,826.55	1,870.69	1,421.59	449.09	4.165	
18,400.00	7,283.00	11,306.64	7,111.87	346.77	111.17	89.75	-328.06	13,941.96	1,870.97	1,416.08	454.89	4.113	
18,500.00	7,283.00	11,417.60	7,112.57	349.46	114.03	89.77	-327.42	14,052.92	1,870.56	1,410.02	460.54	4.062	
18,600.00	7,283.00	11,519.21	7,113.18	352.14	116.65	89.79	-326.57	14,154.52	1,869.89	1,403.99	465.90	4.013	
18,700.00	7,283.00	11,631.93	7,113.72	354.82	119.56	89.80	-325.26	14,267.23	1,868.90	1,397.31	471.59	3.963	
18,800.00	7,283.00	11,751.86	7,114.90	357.51	122.66	89.84	-322.69	14,387.13	1,866.92	1,389.48	477.44	3.910	
18,900.00	7,283.00	11,856.33	7,115.86	360.19	125.36	89.87	-319.75	14,491.55	1,864.26	1,381.39	482.87	3.861	
19,000.00	7,283.00	11,956.29	7,116.38	362.88	127.95	89.89	-316.85	14,591.47	1,861.52	1,373.32	488.20	3.813	
19,070.69	7,283.00	11,976.00	7,116.49	364.78	128.46	89.89	-316.27	14,611.17	1,860.28	1,369.73	490.55	3.792	
19,100.00	7,283.00	11,976.00	7,116.49	365.56	128.46	89.89	-316.27	14,611.17	1,860.51	1,369.38	491.14	3.788 ES, SF	
19,200.00	7,283.00	11,976.00	7,116.49	368.25	128.46	89.89	-316.27	14,611.17	1,864.77	1,372.51	492.26	3.788	
19,247.68	7,283.00	11,976.00	7,116.49	369.53	128.46	89.89	-316.27	14,611.17	1,868.68	1,376.37	492.32	3.796	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 114-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
1,400.00	1,365.21	2,619.09	2,507.54	6.54	13.35	16.06	1,212.73	10,100.53	10,017.90	9,999.77	18.13	552.653		
1,500.00	1,455.84	2,653.00	2,537.83	7.33	13.63	16.52	1,197.61	10,098.38	9,965.72	9,946.91	18.81	529.779		
1,600.00	1,544.94	2,653.00	2,537.83	8.19	13.63	16.90	1,197.61	10,098.38	9,911.24	9,892.00	19.24	515.135		
1,700.00	1,632.39	2,653.00	2,537.83	9.12	13.63	17.30	1,197.61	10,098.38	9,854.68	9,835.00	19.68	500.764		
1,800.00	1,718.11	2,704.41	2,583.94	10.11	14.04	17.95	1,175.07	10,095.56	9,795.65	9,775.12	20.53	477.241		
1,900.00	1,801.97	3,012.00	2,863.52	11.18	16.42	19.75	1,048.53	10,075.89	9,734.16	9,710.89	23.27	418.266		
1,969.27	1,858.92	3,012.00	2,863.52	11.96	16.42	20.15	1,048.53	10,075.89	9,689.39	9,665.79	23.60	410.499		
2,000.00	1,883.98	3,012.00	2,863.52	12.31	16.42	20.15	1,048.53	10,075.89	9,669.36	9,645.60	23.75	407.089		
2,100.00	1,965.50	3,068.84	2,915.64	13.48	16.86	20.40	1,026.26	10,071.71	9,604.39	9,579.74	24.65	389.696		
2,200.00	2,047.03	3,102.00	2,945.84	14.65	17.11	20.55	1,012.76	10,069.32	9,539.65	9,514.27	25.38	375.847		
2,300.00	2,128.56	3,133.82	2,974.80	15.84	17.35	20.69	999.76	10,067.14	9,475.31	9,449.19	26.12	362.717		
2,400.00	2,210.09	3,155.61	2,994.71	17.03	17.52	20.79	991.00	10,065.75	9,411.47	9,384.67	26.80	351.136		
2,500.00	2,291.61	3,191.00	3,027.16	18.23	17.79	20.95	977.05	10,063.66	9,348.15	9,320.55	27.59	338.767		
2,600.00	2,373.14	3,498.67	3,309.02	19.44	20.14	22.37	855.82	10,041.17	9,284.15	9,253.76	30.39	305.526		
2,700.00	2,454.67	3,551.00	3,356.62	20.64	20.55	22.62	834.50	10,036.92	9,219.80	9,188.47	31.34	294.227		
2,800.00	2,536.20	3,551.00	3,356.62	21.86	20.55	22.62	834.50	10,036.92	9,155.77	9,123.86	31.90	286.970		
2,900.00	2,617.72	3,580.47	3,383.41	23.07	20.78	22.77	822.43	10,034.70	9,092.27	9,059.56	32.70	278.009		
3,000.00	2,699.25	3,606.41	3,407.06	24.29	20.98	22.89	811.95	10,032.84	9,029.25	8,995.76	33.49	269.621		
3,100.00	2,780.78	3,790.77	3,573.77	25.50	22.46	23.82	734.58	10,018.77	8,965.94	8,930.41	35.53	252.364		
3,200.00	2,862.31	3,820.00	3,599.88	26.73	22.70	23.98	721.64	10,016.47	8,902.81	8,866.43	36.38	244.726		
3,300.00	2,943.83	3,855.76	3,631.81	27.95	23.00	24.17	705.76	10,013.77	8,840.14	8,802.84	37.30	237.028		
3,400.00	3,025.36	3,887.43	3,660.09	29.17	23.27	24.34	691.69	10,011.49	8,777.95	8,739.76	38.19	229.849		
3,500.00	3,106.89	3,909.00	3,679.35	30.40	23.45	24.45	682.10	10,009.99	8,716.25	8,677.24	39.01	223.430		
3,600.00	3,188.42	3,944.50	3,711.11	31.62	23.74	24.64	666.41	10,007.66	8,655.06	8,615.10	39.96	216.618		
3,700.00	3,269.94	3,971.81	3,735.60	32.85	23.97	24.79	654.45	10,005.97	8,594.41	8,553.56	40.84	210.431		
3,800.00	3,351.47	3,998.00	3,759.15	34.07	24.18	24.93	643.08	10,004.46	8,534.30	8,492.57	41.73	204.518		
3,900.00	3,433.00	3,998.00	3,759.15	35.30	24.18	24.93	643.08	10,004.46	8,474.86	8,432.45	42.41	199.852		
4,000.00	3,514.53	4,047.40	3,803.83	36.53	24.58	25.19	622.16	10,001.89	8,415.81	8,372.32	43.49	193.510		
4,100.00	3,596.05	4,115.79	3,866.31	37.76	25.11	25.55	594.53	9,998.76	8,357.45	8,312.72	44.73	186.839		
4,200.00	3,677.58	4,208.87	3,951.57	38.99	25.82	26.04	557.50	9,994.06	8,299.08	8,252.92	46.16	179.780		
4,300.00	3,759.11	4,238.55	3,978.91	40.22	26.05	26.19	546.02	9,992.57	8,241.06	8,193.95	47.11	174.942		
4,400.00	3,840.64	4,589.50	4,302.38	41.45	28.69	28.05	411.92	9,969.74	8,182.46	8,131.95	50.51	162.009		
4,500.00	3,922.16	4,804.00	4,499.42	42.68	30.32	29.23	329.64	9,949.46	8,121.84	8,068.95	52.89	153.550		
4,600.00	4,003.69	4,804.00	4,499.42	43.91	30.32	29.23	329.64	9,949.46	8,061.71	8,008.04	53.67	150.214		
4,700.00	4,085.22	4,855.49	4,546.74	45.15	30.71	29.52	309.96	9,944.54	8,002.06	7,947.21	54.84	145.909		
4,800.00	4,166.75	4,894.00	4,582.23	46.38	31.00	29.74	295.43	9,941.06	7,943.01	7,887.08	55.93	142.017		
4,900.00	4,248.27	4,894.00	4,582.23	47.61	31.00	29.74	295.43	9,941.06	7,884.61	7,827.88	56.73	138.979		
5,000.00	4,329.80	4,938.33	4,623.25	48.84	31.33	29.99	279.01	9,937.38	7,826.73	7,768.86	57.87	135.239		
5,100.00	4,411.33	4,963.49	4,646.62	50.08	31.51	30.13	269.90	9,935.47	7,769.56	7,710.68	58.88	131.953		
5,200.00	4,492.86	5,007.00	4,687.20	51.31	31.83	30.37	254.48	9,932.48	7,713.11	7,653.07	60.04	128.474		
5,300.00	4,574.38	5,007.00	4,687.20	52.54	31.83	30.37	254.48	9,932.48	7,657.23	7,596.36	60.87	125.789		
5,400.00	4,655.91	5,007.00	4,687.20	53.78	31.83	30.37	254.48	9,932.48	7,602.26	7,540.54	61.72	123.179		
5,500.00	4,737.44	5,007.00	4,687.20	55.01	31.83	30.37	254.48	9,932.48	7,548.21	7,485.64	62.57	120.644		
5,600.00	4,818.97	5,007.00	4,687.20	56.24	31.83	30.37	254.48	9,932.48	7,495.10	7,431.68	63.42	118.183		
5,700.00	4,900.49	5,052.49	4,729.65	57.48	32.15	30.62	238.30	9,930.26	7,442.09	7,377.46	64.64	115.139		
5,800.00	4,982.02	5,097.00	4,771.04	58.71	32.47	30.87	221.94	9,929.46	7,390.95	7,325.10	65.86	112.225		
5,900.00	5,063.55	5,097.00	4,771.04	59.95	32.47	30.87	221.94	9,929.46	7,339.98	7,273.24	66.73	109.988		
6,000.00	5,145.08	5,097.00	4,771.04	61.18	32.47	30.87	221.94	9,929.46	7,290.02	7,222.40	67.61	107.817		
6,100.00	5,226.60	5,097.00	4,771.04	62.42	32.47	30.87	221.94	9,929.46	7,241.10	7,172.60	68.50	105.712		
6,200.00	5,308.13	5,219.39	4,883.18	63.65	33.40	31.60	172.99	9,927.83	7,192.38	7,121.90	70.49	102.041		
6,300.00	5,389.66	5,276.00	4,934.94	64.89	33.84	31.94	150.06	9,927.10	7,144.31	7,072.40	71.91	99.351		
6,400.00	5,471.19	5,297.46	4,954.65	66.12	34.00	32.07	141.58	9,926.94	7,096.89	7,023.88	73.01	97.201		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 114-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
6,500.00	5,552.72	5,335.80	4,990.06	67.36	34.28	32.30	126.88	9,926.84	7,050.25	6,975.98	74.27	94.928		
6,600.00	5,634.24	5,677.39	5,310.81	68.59	36.63	34.27	9.72	9,922.41	7,003.05	6,925.10	77.95	89.839		
6,700.00	5,715.77	5,855.46	5,476.86	69.83	37.90	35.35	-54.07	9,914.80	6,954.45	6,874.05	80.40	86.497		
6,800.00	5,797.30	5,935.54	5,550.55	71.06	38.51	35.87	-85.03	9,910.07	6,905.44	6,823.33	82.11	84.096		
6,900.00	5,878.83	5,991.00	5,601.32	72.30	38.93	36.23	-107.10	9,906.67	6,856.96	6,773.33	83.63	81.988		
7,000.00	5,960.35	6,045.13	5,650.87	73.53	39.35	36.59	-128.66	9,903.43	6,809.10	6,723.94	85.16	79.959		
7,100.00	6,041.88	6,174.07	5,769.32	74.77	40.34	37.45	-178.99	9,895.62	6,761.77	6,674.39	87.38	77.386		
7,200.00	6,123.41	6,208.83	5,801.11	76.01	40.62	37.68	-192.87	9,893.30	6,714.59	6,625.83	88.76	75.647		
7,300.00	6,204.94	6,260.00	5,847.59	77.24	41.02	38.03	-213.98	9,889.95	6,668.24	6,577.92	90.32	73.829		
7,400.00	6,286.46	6,260.00	5,847.59	78.48	41.02	38.03	-213.98	9,889.95	6,622.76	6,531.37	91.39	72.470		
7,500.00	6,367.99	6,313.80	5,896.35	79.71	41.45	38.41	-236.49	9,886.69	6,578.06	6,485.06	93.00	70.731		
7,600.00	6,449.52	6,350.00	5,929.24	80.95	41.74	38.66	-251.49	9,884.76	6,534.34	6,439.89	94.45	69.186		
7,700.00	6,531.05	6,350.00	5,929.24	82.19	41.74	38.66	-251.49	9,884.76	6,491.67	6,396.14	95.53	67.958		
7,800.00	6,612.57	6,396.48	5,971.51	83.42	42.11	38.98	-270.70	9,882.69	6,449.83	6,352.74	97.09	66.434		
7,900.00	6,694.10	6,440.00	6,011.08	84.66	42.46	39.29	-288.76	9,881.24	6,409.21	6,310.58	98.63	64.984		
8,000.00	6,775.63	6,618.00	6,173.91	85.89	43.84	40.53	-360.23	9,873.69	6,368.35	6,266.80	101.55	62.711		
8,100.00	6,857.16	6,618.00	6,173.91	87.13	43.84	40.53	-360.23	9,873.69	6,328.18	6,225.51	102.67	61.638		
8,200.00	6,938.68	6,618.00	6,173.91	88.37	43.84	40.53	-360.23	9,873.69	6,289.33	6,185.56	103.78	60.604		
8,300.00	7,020.21	6,664.51	6,216.91	89.60	44.18	40.85	-377.83	9,871.95	6,250.80	6,145.45	105.35	59.333		
8,310.57	7,028.83	6,665.67	6,218.00	89.73	44.19	40.86	-378.27	9,871.93	6,246.86	6,141.38	105.48	59.224		
8,350.00	7,060.23	6,669.94	6,221.95	90.25	44.22	39.32	-379.87	9,871.87	6,231.11	6,125.14	105.97	58.801		
8,400.00	7,097.77	6,708.00	6,257.28	90.98	44.50	38.32	-394.03	9,872.09	6,208.56	6,101.62	106.94	58.055		
8,450.00	7,132.48	6,708.00	6,257.28	91.79	44.50	37.71	-394.03	9,872.09	6,182.02	6,074.47	107.56	57.478		
8,500.00	7,164.10	6,708.00	6,257.28	92.67	44.50	37.69	-394.03	9,872.09	6,152.35	6,044.17	108.18	56.870		
8,550.00	7,192.40	6,708.00	6,257.28	93.63	44.50	38.24	-394.03	9,872.09	6,119.73	6,010.91	108.82	56.238		
8,600.00	7,217.15	6,708.00	6,257.28	94.64	44.50	39.39	-394.03	9,872.09	6,084.36	5,974.90	109.46	55.587		
8,650.00	7,238.16	6,708.00	6,257.28	95.70	44.50	41.24	-394.03	9,872.09	6,046.47	5,936.38	110.09	54.922		
8,700.00	7,255.29	6,708.00	6,257.28	96.80	44.50	43.92	-394.03	9,872.09	6,006.30	5,895.58	110.72	54.249		
8,750.00	7,268.39	6,708.00	6,257.28	97.92	44.50	47.69	-394.03	9,872.09	5,964.11	5,852.79	111.33	53.573		
8,800.00	7,277.37	6,708.00	6,257.28	99.06	44.50	52.90	-394.03	9,872.09	5,920.19	5,808.28	111.91	52.900		
8,850.00	7,282.15	6,708.00	6,257.28	100.20	44.50	60.08	-394.03	9,872.09	5,874.83	5,762.36	112.47	52.232		
8,881.61	7,283.00	6,708.00	6,257.28	100.91	44.50	65.92	-394.03	9,872.09	5,845.56	5,732.75	112.81	51.816		
8,900.00	7,283.00	6,708.00	6,257.28	101.33	44.50	65.92	-394.03	9,872.09	5,828.42	5,715.41	113.01	51.576		
9,000.00	7,283.00	6,708.00	6,257.28	103.59	44.50	65.92	-394.03	9,872.09	5,735.34	5,621.26	114.08	50.275		
9,100.00	7,283.00	6,708.00	6,257.28	105.87	44.50	65.92	-394.03	9,872.09	5,642.50	5,527.31	115.19	48.984		
9,200.00	7,283.00	6,708.00	6,257.28	108.18	44.50	65.92	-394.03	9,872.09	5,549.92	5,433.57	116.34	47.703		
9,300.00	7,283.00	6,708.00	6,257.28	110.50	44.50	65.92	-394.03	9,872.09	5,457.59	5,340.05	117.54	46.433		
9,400.00	7,283.00	6,708.00	6,257.28	112.84	44.50	65.92	-394.03	9,872.09	5,365.54	5,246.76	118.77	45.175		
9,500.00	7,283.00	6,708.00	6,257.28	115.19	44.50	65.92	-394.03	9,872.09	5,273.77	5,153.72	120.05	43.928		
9,600.00	7,283.00	6,708.00	6,257.28	117.56	44.50	65.92	-394.03	9,872.09	5,182.31	5,060.93	121.38	42.694		
9,700.00	7,283.00	6,708.00	6,257.28	119.95	44.50	65.92	-394.03	9,872.09	5,091.18	4,968.41	122.76	41.472		
9,800.00	7,283.00	6,708.00	6,257.28	122.34	44.50	65.92	-394.03	9,872.09	5,000.38	4,876.19	124.19	40.263		
9,900.00	7,283.00	6,708.00	6,257.28	124.76	44.50	65.92	-394.03	9,872.09	4,909.94	4,784.26	125.67	39.069		
10,000.00	7,283.00	6,708.00	6,257.28	127.18	44.50	65.92	-394.03	9,872.09	4,819.87	4,692.66	127.21	37.888		
10,100.00	7,283.00	6,708.00	6,257.28	129.61	44.50	65.92	-394.03	9,872.09	4,730.21	4,601.40	128.81	36.723		
10,200.00	7,283.00	6,708.00	6,257.28	132.06	44.50	65.92	-394.03	9,872.09	4,640.97	4,510.50	130.47	35.572		
10,300.00	7,283.00	6,708.00	6,257.28	134.52	44.50	65.92	-394.03	9,872.09	4,552.17	4,419.99	132.18	34.438		
10,400.00	7,283.00	6,708.00	6,257.28	136.98	44.50	65.92	-394.03	9,872.09	4,463.85	4,329.88	133.97	33.320		
10,500.00	7,283.00	6,708.00	6,257.28	139.46	44.50	65.92	-394.03	9,872.09	4,376.04	4,240.22	135.82	32.219		
10,600.00	7,283.00	6,708.00	6,257.28	141.94	44.50	65.92	-394.03	9,872.09	4,288.75	4,151.01	137.74	31.136		
10,700.00	7,283.00	6,708.00	6,257.28	144.44	44.50	65.92	-394.03	9,872.09	4,202.04	4,062.30	139.74	30.070		
10,800.00	7,283.00	6,708.00	6,257.28	146.94	44.50	65.92	-394.03	9,872.09	4,115.92	3,974.11	141.81	29.024		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 114-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,900.00	7,283.00	6,708.00	6,257.28	149.45	44.50	65.92	-394.03	9,872.09	4,030.45	3,886.48	143.96	27.996		
11,000.00	7,283.00	6,708.00	6,257.28	151.96	44.50	65.92	-394.03	9,872.09	3,945.66	3,799.46	146.20	26.989		
11,100.00	7,283.00	6,708.00	6,257.28	154.49	44.50	65.92	-394.03	9,872.09	3,861.60	3,713.08	148.51	26.002		
11,200.00	7,283.00	6,708.00	6,257.28	157.01	44.50	65.92	-394.03	9,872.09	3,778.31	3,627.39	150.92	25.036		
11,300.00	7,283.00	6,708.00	6,257.28	159.55	44.50	65.92	-394.03	9,872.09	3,695.85	3,542.44	153.41	24.092		
11,400.00	7,283.00	6,708.00	6,257.28	162.09	44.50	65.92	-394.03	9,872.09	3,614.28	3,458.29	155.99	23.169		
11,500.00	7,283.00	6,708.00	6,257.28	164.64	44.50	65.92	-394.03	9,872.09	3,533.66	3,374.99	158.67	22.270		
11,600.00	7,283.00	6,708.00	6,257.28	167.19	44.50	65.92	-394.03	9,872.09	3,454.05	3,292.60	161.44	21.395		
11,700.00	7,283.00	6,708.00	6,257.28	169.75	44.50	65.92	-394.03	9,872.09	3,375.52	3,211.20	164.32	20.543		
11,800.00	7,283.00	6,708.00	6,257.28	172.31	44.50	65.92	-394.03	9,872.09	3,298.16	3,130.87	167.28	19.716		
11,900.00	7,283.00	6,708.00	6,257.28	174.88	44.50	65.92	-394.03	9,872.09	3,222.04	3,051.69	170.35	18.914		
12,000.00	7,283.00	6,708.00	6,257.28	177.45	44.50	65.92	-394.03	9,872.09	3,147.26	2,973.75	173.51	18.139		
12,100.00	7,283.00	6,708.00	6,257.28	180.03	44.50	65.92	-394.03	9,872.09	3,073.91	2,897.14	176.77	17.389		
12,200.00	7,283.00	6,708.00	6,257.28	182.61	44.50	65.92	-394.03	9,872.09	3,002.11	2,821.99	180.12	16.667		
12,300.00	7,283.00	6,708.00	6,257.28	185.19	44.50	65.92	-394.03	9,872.09	2,931.95	2,748.40	183.56	15.973		
12,400.00	7,283.00	6,708.00	6,257.28	187.78	44.50	65.92	-394.03	9,872.09	2,863.57	2,676.50	187.08	15.307		
12,500.00	7,283.00	6,708.00	6,257.28	190.37	44.50	65.92	-394.03	9,872.09	2,797.10	2,606.43	190.67	14.670		
12,600.00	7,283.00	6,708.00	6,257.28	192.97	44.50	65.92	-394.03	9,872.09	2,732.67	2,538.33	194.33	14.062		
12,700.00	7,283.00	6,708.00	6,257.28	195.57	44.50	65.92	-394.03	9,872.09	2,670.42	2,472.38	198.04	13.484		
12,800.00	7,283.00	6,708.00	6,257.28	198.17	44.50	65.92	-394.03	9,872.09	2,610.53	2,408.74	201.79	12.937		
12,900.00	7,283.00	6,708.00	6,257.28	200.77	44.50	65.92	-394.03	9,872.09	2,553.15	2,347.59	205.56	12.421		
13,000.00	7,283.00	6,708.00	6,257.28	203.38	44.50	65.92	-394.03	9,872.09	2,498.45	2,289.13	209.32	11.936		
13,100.00	7,283.00	6,708.00	6,257.28	205.99	44.50	65.92	-394.03	9,872.09	2,446.63	2,233.57	213.06	11.483		
13,200.00	7,283.00	6,708.00	6,257.28	208.61	44.50	65.92	-394.03	9,872.09	2,397.85	2,181.11	216.74	11.063		
13,300.00	7,283.00	6,708.00	6,257.28	211.22	44.50	65.92	-394.03	9,872.09	2,352.31	2,131.97	220.34	10.676		
13,400.00	7,283.00	6,708.00	6,257.28	213.84	44.50	65.92	-394.03	9,872.09	2,310.21	2,086.39	223.82	10.322		
13,500.00	7,283.00	6,708.00	6,257.28	216.47	44.50	65.92	-394.03	9,872.09	2,271.74	2,044.58	227.16	10.001		
13,600.00	7,283.00	6,708.00	6,257.28	219.09	44.50	65.92	-394.03	9,872.09	2,237.07	2,006.77	230.30	9.714		
13,700.00	7,283.00	6,708.00	6,257.28	221.72	44.50	65.92	-394.03	9,872.09	2,206.40	1,973.17	233.22	9.460		
13,800.00	7,283.00	6,708.00	6,257.28	224.34	44.50	65.92	-394.03	9,872.09	2,179.88	1,943.99	235.89	9.241		
13,900.00	7,283.00	6,739.17	6,286.15	226.97	44.71	66.77	-405.64	9,873.85	2,157.11	1,917.48	239.63	9.002		
14,000.00	7,283.00	6,743.00	6,289.67	229.61	44.74	66.87	-407.08	9,874.21	2,139.26	1,897.36	241.90	8.844		
14,100.00	7,283.00	6,747.60	6,293.91	232.24	44.77	67.00	-408.81	9,874.68	2,125.96	1,882.09	243.86	8.718		
14,200.00	7,283.00	6,753.23	6,299.08	234.88	44.81	67.15	-410.94	9,875.33	2,117.27	1,871.74	245.52	8.623		
14,300.00	7,283.00	6,760.28	6,305.55	237.52	44.86	67.34	-413.61	9,876.22	2,113.24	1,866.36	246.89	8.560		
14,336.00	7,283.00	6,763.27	6,308.28	238.47	44.88	67.42	-414.75	9,876.64	2,112.94	1,865.63	247.31	8.544 CC		
14,400.00	7,283.00	6,769.36	6,313.84	240.16	44.92	67.58	-417.07	9,877.53	2,113.90	1,865.92	247.98	8.525		
14,500.00	7,283.00	6,781.47	6,324.85	242.80	45.00	67.90	-421.69	9,879.56	2,119.20	1,870.34	248.86	8.516		
14,600.00	7,283.00	6,798.74	6,340.43	245.44	45.12	68.36	-428.31	9,882.98	2,129.06	1,879.42	249.64	8.529		
14,700.00	7,283.00	6,829.45	6,367.80	248.09	45.31	69.17	-440.09	9,890.38	2,143.31	1,892.54	250.78	8.547		
14,800.00	7,283.00	6,879.23	6,411.17	250.74	45.63	70.45	-459.09	9,905.70	2,161.60	1,908.99	252.61	8.557		
14,900.00	7,283.00	7,038.86	6,543.19	253.38	46.50	74.31	-515.54	9,974.93	2,181.65	1,921.94	259.71	8.400		
15,000.00	7,283.00	7,190.02	6,655.22	256.03	47.19	77.53	-563.47	10,063.51	2,203.05	1,937.04	266.02	8.282		
15,100.00	7,283.00	7,807.49	6,856.31	258.69	49.10	83.16	-659.98	10,621.80	2,213.20	1,924.67	288.53	7.671		
15,200.00	7,283.00	7,899.64	6,859.61	261.34	49.39	83.25	-661.12	10,713.89	2,214.18	1,921.79	292.39	7.573		
15,300.00	7,283.00	8,008.72	6,862.55	263.99	49.86	83.33	-662.84	10,822.91	2,215.63	1,918.83	296.80	7.465		
15,400.00	7,283.00	8,133.47	6,864.07	266.65	50.54	83.37	-662.83	10,947.66	2,215.59	1,913.86	301.73	7.343		
15,500.00	7,283.00	8,243.32	6,866.43	269.31	51.30	83.43	-662.22	11,057.48	2,214.94	1,908.51	306.42	7.228		
15,559.47	7,283.00	8,286.36	6,866.79	270.89	51.65	83.44	-662.03	11,100.51	2,214.71	1,906.02	308.69	7.174		
15,600.00	7,283.00	8,320.00	6,866.41	271.96	51.94	83.43	-662.03	11,134.15	2,214.82	1,904.48	310.34	7.137		
15,700.00	7,283.00	8,409.78	6,864.34	274.62	52.83	83.38	-662.26	11,223.90	2,215.49	1,900.85	314.65	7.041		
15,800.00	7,283.00	8,546.01	6,862.04	277.28	54.42	83.32	-661.72	11,360.11	2,215.47	1,895.20	320.27	6.918		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 1-T4N-R68W - CITO TRUST 1E-10-4N - ORIGINAL WELLBORE - WB #1 - ENSIGN 147		Offset Site Error: 0.00 usft	
Survey Program:		114-MWD OWSG											Offset Well Error: 0.00 usft			
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
15,900.00	7,283.00	8,676.57	6,860.92	279.94	56.20	83.29	-659.28	11,490.65	2,213.86	1,888.10	325.76	6.796				
15,990.42	7,283.00	8,717.39	6,860.54	282.35	56.82	83.27	-658.69	11,531.46	2,212.83	1,884.00	328.83	6.729				
16,000.00	7,283.00	8,721.62	6,860.49	282.61	56.89	83.27	-658.68	11,535.69	2,212.84	1,883.70	329.14	6.723				
16,100.00	7,283.00	8,767.00	6,859.82	285.27	57.61	83.26	-659.23	11,581.06	2,214.35	1,881.98	332.37	6.662				
16,200.00	7,283.00	8,894.63	6,858.20	287.94	59.82	83.22	-661.58	11,708.65	2,216.50	1,878.41	338.09	6.556				
16,300.00	7,283.00	9,012.12	6,857.77	290.60	62.00	83.22	-662.49	11,826.14	2,217.46	1,873.92	343.54	6.455				
16,400.00	7,283.00	9,125.91	6,857.97	293.27	64.23	83.22	-662.76	11,939.93	2,217.84	1,868.93	348.91	6.356				
16,500.00	7,283.00	9,252.36	6,859.17	295.94	66.81	83.25	-661.87	12,066.37	2,217.17	1,862.50	354.67	6.251				
16,600.00	7,283.00	9,334.65	6,860.86	298.60	68.55	83.29	-661.02	12,148.63	2,216.13	1,856.88	359.25	6.169				
16,617.39	7,283.00	9,344.45	6,860.96	299.07	68.76	83.30	-661.00	12,158.44	2,216.10	1,856.18	359.92	6.157				
16,700.00	7,283.00	9,395.00	6,860.71	301.27	69.85	83.29	-661.33	12,208.98	2,216.78	1,853.63	363.15	6.104				
16,800.00	7,283.00	9,511.16	6,859.33	303.94	72.43	83.26	-662.36	12,325.13	2,217.98	1,849.26	368.71	6.015				
16,900.00	7,283.00	9,640.75	6,859.24	306.62	75.36	83.26	-662.45	12,454.72	2,218.27	1,843.60	374.67	5.921				
17,000.00	7,283.00	9,749.88	6,860.19	309.29	77.87	83.28	-661.31	12,563.84	2,217.29	1,837.23	380.06	5.834				
17,100.00	7,283.00	9,844.00	6,861.27	311.96	80.06	83.30	-660.43	12,657.95	2,216.38	1,831.32	385.06	5.756				
17,142.36	7,283.00	9,869.47	6,861.57	313.09	80.66	83.31	-660.32	12,683.41	2,216.22	1,829.45	386.77	5.730				
17,200.00	7,283.00	9,904.06	6,861.60	314.63	81.48	83.31	-660.45	12,718.01	2,216.52	1,827.46	389.06	5.697				
17,300.00	7,283.00	9,985.92	6,860.44	317.31	83.44	83.29	-661.61	12,799.85	2,218.21	1,824.56	393.65	5.635				
17,400.00	7,283.00	10,088.16	6,859.10	319.98	85.91	83.26	-663.14	12,902.06	2,220.01	1,821.13	398.89	5.566				
17,500.00	7,283.00	10,218.40	6,859.31	322.66	89.09	83.27	-664.42	13,032.30	2,221.14	1,816.12	405.03	5.484				
17,600.00	7,283.00	10,325.29	6,861.28	325.34	91.71	83.32	-664.74	13,139.17	2,221.39	1,810.92	410.47	5.412				
17,700.00	7,283.00	10,429.97	6,860.35	328.01	94.29	83.30	-664.40	13,243.84	2,221.33	1,805.52	415.81	5.342				
17,800.00	7,283.00	10,537.30	6,858.74	330.69	96.95	83.25	-663.77	13,351.16	2,221.10	1,799.88	421.22	5.273				
17,900.00	7,283.00	10,648.00	6,857.75	333.37	99.71	83.22	-662.32	13,461.84	2,220.03	1,793.31	426.72	5.202				
18,000.00	7,283.00	10,737.00	6,857.73	336.05	101.94	83.22	-661.69	13,550.83	2,219.48	1,787.82	431.66	5.142				
18,009.78	7,283.00	10,737.00	6,857.73	336.31	101.94	83.22	-661.69	13,550.83	2,219.46	1,787.57	431.89	5.139				
18,100.00	7,283.00	10,817.03	6,858.52	338.73	103.96	83.24	-662.12	13,630.85	2,219.95	1,783.61	436.34	5.088				
18,200.00	7,283.00	10,946.57	6,860.33	341.41	107.24	83.29	-661.91	13,760.38	2,219.79	1,777.31	442.49	5.017				
18,300.00	7,283.00	11,044.47	6,861.61	344.09	109.72	83.32	-660.73	13,858.27	2,218.62	1,770.91	447.71	4.955				
18,352.89	7,283.00	11,081.52	6,861.19	345.51	110.67	83.31	-660.46	13,895.31	2,218.40	1,768.36	450.04	4.929				
18,400.00	7,283.00	11,123.61	6,860.10	346.77	111.74	83.28	-660.33	13,937.39	2,218.46	1,766.11	452.35	4.904				
18,500.00	7,283.00	11,241.79	6,857.09	349.46	114.76	83.20	-659.69	14,055.52	2,218.42	1,760.34	458.08	4.843				
18,600.00	7,283.00	11,327.67	6,855.14	352.14	116.96	83.15	-658.74	14,141.38	2,217.81	1,754.90	462.91	4.791				
18,604.45	7,283.00	11,330.77	6,855.11	352.26	117.04	83.15	-658.73	14,144.48	2,217.81	1,754.70	463.11	4.789				
18,700.00	7,283.00	11,440.31	6,855.62	354.82	119.86	83.16	-658.77	14,254.01	2,218.00	1,749.43	468.57	4.734				
18,800.00	7,283.00	11,551.99	6,856.46	357.51	122.73	83.18	-657.61	14,365.69	2,217.03	1,742.84	474.19	4.675				
18,900.00	7,283.00	11,650.96	6,856.63	360.19	125.29	83.18	-656.52	14,464.64	2,216.08	1,736.63	479.45	4.622				
19,000.00	7,283.00	11,788.64	6,857.35	362.88	128.84	83.19	-653.59	14,602.29	2,214.03	1,728.32	485.71	4.558				
19,096.60	7,283.00	11,824.00	6,857.75	365.47	129.75	83.20	-652.59	14,637.64	2,212.20	1,723.00	489.21	4.522				
19,100.00	7,283.00	11,824.00	6,857.75	365.56	129.75	83.20	-652.59	14,637.64	2,212.20	1,722.92	489.28	4.521 ES				
19,200.00	7,283.00	11,824.00	6,857.75	368.25	129.75	83.20	-652.59	14,637.64	2,214.62	1,723.49	491.12	4.509 SF				
19,247.68	7,283.00	11,824.00	6,857.75	369.53	129.75	83.20	-652.59	14,637.64	2,217.35	1,725.69	491.66	4.510				

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 1-T4N-R68W - CITO TRUST 1E-10-5N - ORIGINAL WELLBORE - WB #1 - ENSIGN 147		Offset Site Error:		0.00 usft	
Survey Program:		114-MWD OWSG											Offset Well Error:		0.00 usft			
Reference		Offset		Semi Major Axis			Distance							Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor						
1,500.00	1,455.84	2,922.00	2,772.91	7.33	16.55	18.10	994.78	10,096.71	9,976.01	9,954.32	21.69	459.933						
1,600.00	1,544.94	2,969.21	2,815.27	8.19	16.93	18.71	974.48	10,091.96	9,919.37	9,896.89	22.49	441.126						
1,700.00	1,632.39	3,012.00	2,853.93	9.12	17.28	19.36	956.55	10,088.13	9,860.87	9,837.61	23.26	423.932						
1,800.00	1,718.11	3,012.00	2,853.93	10.11	17.28	19.87	956.55	10,088.13	9,800.02	9,776.30	23.72	413.159						
1,900.00	1,801.97	3,102.00	2,935.16	11.18	18.00	20.83	918.62	10,080.22	9,736.91	9,712.03	24.88	391.377						
1,969.27	1,858.92	3,102.00	2,935.16	11.96	18.00	21.26	918.62	10,080.22	9,691.90	9,666.68	25.22	384.364						
2,000.00	1,883.98	3,133.10	2,963.18	12.31	18.25	21.40	905.41	10,077.47	9,671.60	9,646.00	25.60	377.755						
2,100.00	1,965.50	3,153.53	2,981.65	13.48	18.41	21.50	896.87	10,075.75	9,606.19	9,579.94	26.25	365.987						
2,200.00	2,047.03	3,191.00	3,015.71	14.65	18.71	21.67	881.52	10,072.78	9,541.29	9,514.25	27.04	352.912						
2,300.00	2,128.56	3,191.00	3,015.71	15.84	18.71	21.67	881.52	10,072.78	9,476.77	9,449.22	27.55	343.955						
2,400.00	2,210.09	3,191.00	3,015.71	17.03	18.71	21.67	881.52	10,072.78	9,412.88	9,384.80	28.08	335.212						
2,500.00	2,291.61	3,241.05	3,061.25	18.23	19.11	21.91	861.07	10,069.22	9,349.25	9,320.25	29.00	322.375						
2,600.00	2,373.14	3,281.00	3,097.49	19.44	19.42	22.10	844.44	10,066.75	9,286.27	9,256.41	29.86	311.020						
2,700.00	2,454.67	3,281.00	3,097.49	20.64	19.42	22.10	844.44	10,066.75	9,223.70	9,193.28	30.42	303.224						
2,800.00	2,536.20	3,317.80	3,130.78	21.86	19.72	22.27	828.90	10,064.71	9,161.65	9,130.36	31.28	292.884						
2,900.00	2,617.72	3,347.39	3,157.50	23.07	19.96	22.42	816.25	10,063.20	9,100.07	9,067.97	32.10	283.519						
3,000.00	2,699.25	3,371.00	3,178.77	24.29	20.15	22.53	806.07	10,062.08	9,038.98	9,006.10	32.88	274.945						
3,100.00	2,780.78	3,371.00	3,178.77	25.50	20.15	22.53	806.07	10,062.08	8,978.52	8,945.04	33.47	268.218						
3,200.00	2,862.31	3,418.91	3,222.07	26.73	20.53	22.77	785.67	10,060.11	8,918.41	8,883.94	34.46	258.778						
3,300.00	2,943.83	3,493.93	3,290.49	27.95	21.12	23.13	755.02	10,057.44	8,858.96	8,823.29	35.67	248.359						
3,400.00	3,025.36	3,632.63	3,416.76	29.17	22.21	23.82	698.00	10,051.34	8,799.11	8,761.72	37.39	235.330						
3,500.00	3,106.89	3,681.88	3,460.96	30.40	22.62	24.07	676.37	10,049.13	8,739.49	8,701.05	38.44	227.342						
3,600.00	3,188.42	3,731.00	3,504.83	31.62	23.03	24.33	654.37	10,047.03	8,680.27	8,640.76	39.51	219.710						
3,700.00	3,269.94	3,770.55	3,540.06	32.85	23.36	24.54	636.47	10,045.42	8,621.49	8,580.98	40.51	212.827						
3,800.00	3,351.47	3,877.63	3,634.71	34.07	24.29	25.13	586.63	10,041.01	8,562.99	8,520.86	42.13	203.253						
3,900.00	3,433.00	4,215.95	3,929.99	35.30	27.32	27.08	422.90	10,020.29	8,503.31	8,457.37	45.93	185.121						
4,000.00	3,514.53	4,233.54	3,945.34	36.53	27.48	27.19	414.40	10,018.98	8,443.55	8,396.74	46.81	180.396						
4,100.00	3,596.05	4,267.00	3,974.50	37.76	27.78	27.38	398.15	10,016.73	8,384.48	8,336.64	47.83	175.281						
4,200.00	3,677.58	4,479.54	4,161.20	38.99	29.66	28.64	297.93	10,000.40	8,325.55	8,275.05	50.50	164.860						
4,300.00	3,759.11	4,516.58	4,193.99	40.22	29.98	28.86	281.01	9,997.20	8,266.22	8,214.64	51.58	160.260						
4,400.00	3,840.64	4,535.00	4,210.35	41.45	30.14	28.97	272.68	9,995.65	8,207.45	8,154.94	52.50	156.321						
4,500.00	3,922.16	4,588.38	4,257.86	42.68	30.59	29.29	248.73	9,991.29	8,149.15	8,095.41	53.74	151.630						
4,600.00	4,003.69	4,625.00	4,290.51	43.91	30.90	29.50	232.41	9,988.44	8,091.45	8,036.60	54.85	147.526						
4,700.00	4,085.22	4,668.81	4,329.53	45.15	31.28	29.77	212.75	9,985.13	8,034.27	7,978.24	56.03	143.390						
4,800.00	4,166.75	4,761.28	4,411.30	46.38	32.08	30.33	170.18	9,978.03	7,977.47	7,919.79	57.68	138.303						
4,900.00	4,248.27	4,841.20	4,481.74	47.61	32.78	30.83	133.00	9,971.51	7,920.80	7,861.55	59.24	133.700						
5,000.00	4,329.80	4,875.27	4,511.77	48.84	33.08	31.04	117.13	9,968.75	7,864.62	7,804.23	60.39	130.231						
5,100.00	4,411.33	4,894.00	4,528.29	50.08	33.25	31.16	108.42	9,967.28	7,809.10	7,747.69	61.40	127.180						
5,200.00	4,492.86	4,938.90	4,568.01	51.31	33.64	31.44	87.77	9,963.94	7,754.18	7,691.51	62.67	123.738						
5,300.00	4,574.38	4,984.00	4,608.14	52.54	34.03	31.72	67.43	9,960.84	7,699.97	7,636.03	63.94	120.418						
5,400.00	4,655.91	4,994.74	4,617.74	53.78	34.12	31.78	62.65	9,960.15	7,646.41	7,581.51	64.90	117.811						
5,500.00	4,737.44	5,313.17	4,905.15	55.01	36.72	33.75	-72.00	9,935.14	7,591.99	7,523.37	68.62	110.636						
5,600.00	4,818.97	5,366.00	4,952.57	56.24	37.16	34.09	-94.78	9,930.22	7,537.56	7,467.56	70.00	107.674						
5,700.00	4,900.49	5,389.96	4,974.00	57.48	37.36	34.24	-105.26	9,928.04	7,483.73	7,412.58	71.14	105.193						
5,800.00	4,982.02	5,429.62	5,009.45	58.71	37.70	34.50	-122.69	9,924.50	7,430.55	7,358.11	72.44	102.576						
5,900.00	5,063.55	5,455.00	5,032.12	59.95	37.91	34.66	-133.89	9,922.29	7,378.05	7,304.44	73.61	100.226						
6,000.00	5,145.08	5,494.63	5,067.64	61.18	38.24	34.92	-151.15	9,919.02	7,326.26	7,251.34	74.93	97.781						
6,100.00	5,226.60	5,545.00	5,113.20	62.42	38.65	35.24	-172.31	9,915.29	7,275.30	7,198.95	76.35	95.294						
6,200.00	5,308.13	5,601.01	5,346.78	63.65	40.67	36.88	-274.88	9,894.18	7,224.89	7,145.32	79.57	90.795						
6,300.00	5,389.66	5,613.00	5,357.63	64.89	40.77	36.96	-279.84	9,892.96	7,173.34	7,092.66	80.68	88.914						
6,400.00	5,471.19	5,613.00	5,357.63	66.12	40.77	36.96	-279.84	9,892.96	7,122.81	7,041.13	81.68	87.207						
6,500.00	5,552.72	5,613.00	5,357.63	67.36	40.77	36.96	-279.84	9,892.96	7,073.33	6,990.65	82.68	85.550						

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 1-T4N-R68W - CITO TRUST 1E-10-5N - ORIGINAL WELLBORE - WB #1 - ENSIGN 147		Offset Site Error:		0.00 usft
Survey Program:		114-MWD OWSG											Offset Well Error:		0.00 usft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
6,600.00	5,634.24	5,853.46	5,394.25	68.59	41.09	37.23	-296.64	9,889.35	7,024.26	6,940.19	84.07	83.551					
6,700.00	5,715.77	5,864.33	5,404.11	69.83	41.18	37.31	-301.16	9,888.57	6,976.55	6,891.37	85.19	81.894					
6,800.00	5,797.30	5,902.00	5,438.31	71.06	41.48	37.55	-316.82	9,886.49	6,930.15	6,843.58	86.57	80.051					
6,900.00	5,878.83	5,902.00	5,438.31	72.30	41.48	37.55	-316.82	9,886.49	6,884.30	6,796.71	87.60	78.592					
7,000.00	5,960.35	5,902.00	5,438.31	73.53	41.48	37.55	-316.82	9,886.49	6,839.61	6,750.99	88.62	77.179					
7,100.00	6,041.88	5,973.73	5,503.25	74.77	42.06	38.04	-347.07	9,883.00	6,795.72	6,705.35	90.37	75.199					
7,200.00	6,123.41	6,209.74	5,717.16	76.01	43.97	39.64	-445.52	9,867.57	6,750.57	6,656.79	93.78	71.982					
7,300.00	6,204.94	6,260.00	5,763.12	77.24	44.36	39.98	-465.62	9,864.55	6,706.77	6,611.43	95.34	70.346					
7,400.00	6,286.46	6,260.00	5,763.12	78.48	44.36	39.98	-465.62	9,864.55	6,663.54	6,567.12	96.42	69.110					
7,500.00	6,367.99	6,260.00	5,763.12	79.71	44.36	39.98	-465.62	9,864.55	6,621.55	6,524.05	97.50	67.915					
7,600.00	6,449.52	6,292.70	5,792.98	80.95	44.62	40.20	-478.88	9,862.96	6,580.59	6,481.68	98.91	66.532					
7,700.00	6,531.05	6,316.56	5,814.65	82.19	44.81	40.37	-488.79	9,861.91	6,540.68	6,440.45	100.23	65.254					
7,800.00	6,612.57	6,351.00	5,845.80	83.42	45.09	40.61	-503.43	9,860.53	6,501.86	6,400.18	101.68	63.945					
7,900.00	6,694.10	6,373.33	5,865.94	84.66	45.27	40.76	-513.05	9,859.73	6,464.06	6,361.05	103.00	62.757					
8,000.00	6,775.63	6,414.83	5,903.37	85.89	45.61	41.06	-530.90	9,858.34	6,427.22	6,322.68	104.54	61.481					
8,100.00	6,857.16	6,440.00	5,926.08	87.13	45.82	41.23	-541.72	9,857.58	6,391.36	6,285.46	105.90	60.353					
8,200.00	6,938.68	6,868.87	6,319.87	88.37	49.11	44.21	-710.34	9,841.23	6,355.87	6,244.46	111.41	57.050					
8,300.00	7,020.21	6,887.00	6,336.47	89.60	49.24	44.34	-717.49	9,839.93	6,318.15	6,205.40	112.75	56.037					
8,310.57	7,028.83	6,887.00	6,336.47	89.73	49.24	44.34	-717.49	9,839.93	6,314.24	6,201.37	112.87	55.941					
8,350.00	7,060.23	6,887.00	6,336.47	90.25	49.24	42.86	-717.49	9,839.93	6,298.61	6,185.27	113.34	55.573					
8,400.00	7,097.77	6,887.00	6,336.47	90.98	49.24	41.72	-717.49	9,839.93	6,275.77	6,161.81	113.96	55.072					
8,450.00	7,132.48	6,887.00	6,336.47	91.79	49.24	41.26	-717.49	9,839.93	6,249.70	6,135.10	114.60	54.535					
8,500.00	7,164.10	6,887.00	6,336.47	92.67	49.24	41.41	-717.49	9,839.93	6,220.55	6,105.29	115.26	53.969					
8,550.00	7,192.40	6,887.00	6,336.47	93.63	49.24	42.17	-717.49	9,839.93	6,188.50	6,072.57	115.94	53.378					
8,600.00	7,217.15	6,887.00	6,336.47	94.64	49.24	43.57	-717.49	9,839.93	6,153.76	6,037.14	116.62	52.767					
8,650.00	7,238.16	6,887.00	6,336.47	95.70	49.24	45.69	-717.49	9,839.93	6,116.54	5,999.23	117.31	52.142					
8,700.00	7,255.29	6,887.00	6,336.47	96.80	49.24	48.67	-717.49	9,839.93	6,077.08	5,959.10	117.98	51.508					
8,750.00	7,268.39	6,887.00	6,336.47	97.92	49.24	52.72	-717.49	9,839.93	6,035.65	5,917.00	118.65	50.869					
8,800.00	7,277.37	6,887.00	6,336.47	99.06	49.24	58.13	-717.49	9,839.93	5,992.52	5,873.22	119.30	50.230					
8,850.00	7,282.15	6,887.00	6,336.47	100.20	49.24	65.27	-717.49	9,839.93	5,947.99	5,828.07	119.93	49.597					
8,881.61	7,283.00	6,887.00	6,336.47	100.91	49.24	70.84	-717.49	9,839.93	5,919.26	5,798.95	120.31	49.201					
8,900.00	7,283.00	6,887.00	6,336.47	101.33	49.24	70.84	-717.49	9,839.93	5,902.43	5,781.90	120.53	48.972					
9,000.00	7,283.00	6,887.00	6,336.47	103.59	49.24	70.84	-717.49	9,839.93	5,811.10	5,689.37	121.74	47.735					
9,100.00	7,283.00	6,887.00	6,336.47	105.87	49.24	70.84	-717.49	9,839.93	5,720.07	5,597.08	122.99	46.509					
9,200.00	7,283.00	6,887.00	6,336.47	108.18	49.24	70.84	-717.49	9,839.93	5,629.33	5,505.05	124.29	45.294					
9,300.00	7,283.00	6,887.00	6,336.47	110.50	49.24	70.84	-717.49	9,839.93	5,538.92	5,413.29	125.63	44.090					
9,400.00	7,283.00	6,887.00	6,336.47	112.84	49.24	70.84	-717.49	9,839.93	5,448.84	5,321.83	127.02	42.899					
9,500.00	7,283.00	6,887.00	6,336.47	115.19	49.24	70.84	-717.49	9,839.93	5,359.12	5,230.66	128.45	41.721					
9,600.00	7,283.00	6,887.00	6,336.47	117.56	49.24	70.84	-717.49	9,839.93	5,269.76	5,139.82	129.94	40.556					
9,700.00	7,283.00	6,887.00	6,336.47	119.95	49.24	70.84	-717.49	9,839.93	5,180.79	5,049.31	131.48	39.404					
9,800.00	7,283.00	6,887.00	6,336.47	122.34	49.24	70.84	-717.49	9,839.93	5,092.23	4,959.16	133.07	38.267					
9,900.00	7,283.00	6,887.00	6,336.47	124.76	49.24	70.84	-717.49	9,839.93	5,004.11	4,869.39	134.72	37.145					
10,000.00	7,283.00	6,887.00	6,336.47	127.18	49.24	70.84	-717.49	9,839.93	4,916.43	4,780.01	136.43	36.037					
10,100.00	7,283.00	6,887.00	6,336.47	129.61	49.24	70.84	-717.49	9,839.93	4,829.24	4,691.05	138.19	34.946					
10,200.00	7,283.00	6,887.00	6,336.47	132.06	49.24	70.84	-717.49	9,839.93	4,742.55	4,602.53	140.02	33.870					
10,300.00	7,283.00	6,887.00	6,336.47	134.52	49.24	70.84	-717.49	9,839.93	4,656.40	4,514.49	141.91	32.812					
10,400.00	7,283.00	6,887.00	6,336.47	136.98	49.24	70.84	-717.49	9,839.93	4,570.81	4,426.94	143.87	31.770					
10,500.00	7,283.00	6,887.00	6,336.47	139.46	49.24	70.84	-717.49	9,839.93	4,485.81	4,339.92	145.90	30.746					
10,600.00	7,283.00	6,887.00	6,336.47	141.94	49.24	70.84	-717.49	9,839.93	4,401.45	4,253.46	147.99	29.741					
10,700.00	7,283.00	6,887.00	6,336.47	144.44	49.24	70.84	-717.49	9,839.93	4,317.76	4,167.59	150.16	28.754					
10,800.00	7,283.00	6,887.00	6,336.47	146.94	49.24	70.84	-717.49	9,839.93	4,234.77	4,082.36	152.41	27.786					
10,900.00	7,283.00	6,887.00	6,336.47	149.45	49.24	70.84	-717.49	9,839.93	4,152.53	3,997.80	154.73	26.838					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 114-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,000.00	7,283.00	6,887.00	6,336.47	151.96	49.24	70.84	-717.49	9,839.93	4,071.09	3,913.96	157.12	25.910		
11,100.00	7,283.00	6,887.00	6,336.47	154.49	49.24	70.84	-717.49	9,839.93	3,990.49	3,830.89	159.60	25.003		
11,200.00	7,283.00	6,887.00	6,336.47	157.01	49.24	70.84	-717.49	9,839.93	3,910.78	3,748.63	162.16	24.117		
11,300.00	7,283.00	6,887.00	6,336.47	159.55	49.24	70.84	-717.49	9,839.93	3,832.03	3,667.24	164.80	23.253		
11,400.00	7,283.00	6,887.00	6,336.47	162.09	49.24	70.84	-717.49	9,839.93	3,754.29	3,586.77	167.52	22.411		
11,500.00	7,283.00	6,887.00	6,336.47	164.64	49.24	70.84	-717.49	9,839.93	3,677.63	3,507.30	170.32	21.592		
11,600.00	7,283.00	6,887.00	6,336.47	167.19	49.24	70.84	-717.49	9,839.93	3,602.11	3,428.90	173.21	20.796		
11,700.00	7,283.00	6,887.00	6,336.47	169.75	49.24	70.84	-717.49	9,839.93	3,527.81	3,351.62	176.19	20.023		
11,800.00	7,283.00	6,887.00	6,336.47	172.31	49.24	70.84	-717.49	9,839.93	3,454.80	3,275.56	179.24	19.275		
11,900.00	7,283.00	6,887.00	6,336.47	174.88	49.24	70.84	-717.49	9,839.93	3,383.18	3,200.81	182.37	18.551		
12,000.00	7,283.00	6,887.00	6,336.47	177.45	49.24	70.84	-717.49	9,839.93	3,313.03	3,127.45	185.58	17.852		
12,100.00	7,283.00	6,887.00	6,336.47	180.03	49.24	70.84	-717.49	9,839.93	3,244.44	3,055.58	188.87	17.179		
12,200.00	7,283.00	6,870.65	6,321.50	182.61	49.12	70.45	-711.03	9,841.10	3,177.46	2,985.65	191.81	16.566		
12,300.00	7,283.00	6,866.02	6,317.25	185.19	49.08	70.34	-709.21	9,841.44	3,112.27	2,917.17	195.09	15.953		
12,400.00	7,283.00	6,861.38	6,313.00	187.78	49.05	70.23	-707.40	9,841.77	3,048.95	2,850.53	198.42	15.366		
12,500.00	7,283.00	6,856.73	6,308.73	190.37	49.01	70.12	-705.58	9,842.10	2,987.63	2,785.84	201.79	14.806		
12,600.00	7,283.00	6,852.08	6,304.46	192.97	48.98	70.01	-703.77	9,842.44	2,928.43	2,723.25	205.18	14.272		
12,700.00	7,283.00	6,847.41	6,300.18	195.57	48.94	69.90	-701.95	9,842.77	2,871.48	2,662.89	208.59	13.766		
12,800.00	7,283.00	6,842.75	6,295.89	198.17	48.91	69.78	-700.14	9,843.11	2,816.92	2,604.93	211.99	13.288		
12,900.00	7,283.00	6,838.07	6,291.59	200.77	48.87	69.67	-698.33	9,843.45	2,764.89	2,549.51	215.38	12.837		
13,000.00	7,283.00	6,833.39	6,287.28	203.38	48.83	69.56	-696.53	9,843.79	2,715.53	2,496.81	218.72	12.415		
13,100.00	7,283.00	6,828.70	6,282.97	205.99	48.80	69.45	-694.72	9,844.13	2,669.00	2,446.98	222.01	12.022		
13,200.00	7,283.00	6,824.00	6,278.64	208.61	48.76	69.33	-692.92	9,844.46	2,625.43	2,400.21	225.22	11.657		
13,300.00	7,283.00	6,819.30	6,274.31	211.22	48.73	69.22	-691.11	9,844.81	2,584.99	2,356.67	228.32	11.322		
13,400.00	7,283.00	6,814.58	6,269.97	213.84	48.69	69.11	-689.31	9,845.15	2,547.83	2,316.53	231.29	11.015		
13,500.00	7,283.00	6,797.00	6,253.75	216.47	48.56	68.69	-687.64	9,846.42	2,514.13	2,280.45	233.67	10.759		
13,600.00	7,283.00	6,797.00	6,253.75	219.09	48.56	68.69	-682.64	9,846.42	2,483.90	2,247.43	236.47	10.504		
13,700.00	7,283.00	6,804.03	6,260.24	221.72	48.61	68.86	-685.29	9,845.91	2,457.37	2,218.04	239.32	10.268		
13,800.00	7,283.00	6,794.34	6,251.30	224.34	48.54	68.62	-681.63	9,846.61	2,434.67	2,193.30	241.37	10.087		
13,900.00	7,283.00	6,785.28	6,242.94	226.97	48.47	68.41	-678.21	9,847.26	2,415.87	2,172.69	243.18	9.935		
14,000.00	7,283.00	6,776.79	6,235.10	229.61	48.40	68.20	-674.99	9,847.84	2,401.07	2,156.32	244.75	9.810		
14,100.00	7,283.00	6,768.81	6,227.73	232.24	48.34	68.01	-671.97	9,848.37	2,390.34	2,144.28	246.06	9.715		
14,200.00	7,283.00	6,761.30	6,220.80	234.88	48.29	67.83	-669.12	9,848.85	2,383.74	2,136.64	247.10	9.647		
14,300.00	7,283.00	6,754.23	6,214.27	237.52	48.23	67.66	-666.44	9,849.29	2,381.31	2,133.44	247.86	9.607		
14,308.27	7,283.00	6,753.66	6,213.75	237.74	48.23	67.65	-666.22	9,849.33	2,381.29	2,133.38	247.91	9.605 CC		
14,400.00	7,283.00	6,747.54	6,208.10	240.16	48.18	67.50	-663.90	9,849.70	2,383.05	2,134.70	248.35	9.596		
14,500.00	7,283.00	6,741.22	6,202.27	242.80	48.14	67.35	-661.50	9,850.07	2,388.97	2,140.41	248.56	9.611		
14,600.00	7,283.00	6,735.23	6,196.74	245.44	48.09	67.20	-659.22	9,850.42	2,399.03	2,150.54	248.49	9.654		
14,700.00	7,283.00	6,729.55	6,191.50	248.09	48.05	67.07	-657.06	9,850.73	2,413.18	2,165.02	248.16	9.724		
14,800.00	7,283.00	6,724.16	6,186.52	250.74	48.01	66.94	-655.00	9,851.03	2,431.35	2,183.78	247.57	9.821		
14,900.00	7,283.00	6,719.03	6,181.78	253.38	47.97	66.81	-653.05	9,851.30	2,453.45	2,206.72	246.73	9.944		
15,000.00	7,283.00	6,714.14	6,177.27	256.03	47.93	66.70	-651.18	9,851.55	2,479.38	2,233.71	245.67	10.092		
15,100.00	7,283.00	6,708.00	6,171.60	258.69	47.89	66.55	-648.84	9,851.86	2,509.03	2,264.69	244.34	10.269		
15,200.00	7,283.00	6,708.00	6,171.60	261.34	47.89	66.55	-648.84	9,851.86	2,542.25	2,299.20	243.05	10.460		
15,300.00	7,283.00	8,288.64	6,982.51	263.99	55.24	86.95	-1,035.34	10,813.50	2,576.86	2,277.47	299.38	8.607		
15,400.00	7,283.00	8,379.39	6,982.39	266.65	55.63	86.95	-1,036.47	10,904.24	2,578.26	2,274.82	303.44	8.497		
15,500.00	7,283.00	8,527.54	6,982.49	269.31	56.44	86.96	-1,036.46	11,052.39	2,578.24	2,269.25	309.00	8.344		
15,600.00	7,283.00	8,640.36	6,982.24	271.96	57.22	86.95	-1,036.08	11,165.20	2,578.14	2,264.32	313.82	8.215		
15,700.00	7,283.00	8,820.29	6,981.81	274.62	58.75	86.93	-1,030.98	11,345.03	2,575.34	2,255.14	320.20	8.043		
15,800.00	7,283.00	8,911.73	6,981.75	277.28	59.69	86.93	-1,026.67	11,436.37	2,570.86	2,246.14	324.73	7.917		
15,900.00	7,283.00	8,947.00	6,981.87	279.94	60.09	86.93	-1,025.60	11,471.62	2,568.27	2,240.25	328.02	7.830		
15,981.73	7,283.00	8,998.54	6,981.94	282.12	60.74	86.93	-1,024.97	11,523.15	2,567.55	2,236.35	331.20	7.752		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 114-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
16,000.00	7,283.00	9,007.39	6,981.92	282.61	60.85	86.93	-1,024.97	11,532.00	2,567.58	2,235.74	331.84	7.737		
16,100.00	7,283.00	9,108.23	6,981.76	285.27	62.25	86.93	-1,025.33	11,632.84	2,568.12	2,231.40	336.72	7.627		
16,200.00	7,283.00	9,177.60	6,982.02	287.94	63.31	86.93	-1,025.45	11,702.21	2,568.63	2,227.83	340.80	7.537		
16,300.00	7,283.00	9,228.27	6,982.23	290.60	64.13	86.94	-1,026.75	11,752.86	2,571.22	2,226.92	344.30	7.468		
16,400.00	7,283.00	9,323.96	6,982.29	293.27	65.79	86.95	-1,030.09	11,848.49	2,574.86	2,225.72	349.14	7.375		
16,500.00	7,283.00	9,448.92	6,982.41	295.94	68.10	86.95	-1,033.69	11,973.40	2,577.88	2,222.96	354.92	7.263		
16,600.00	7,283.00	9,574.50	6,982.40	298.60	70.54	86.96	-1,036.27	12,098.95	2,580.11	2,219.40	360.71	7.153		
16,700.00	7,283.00	9,728.43	6,982.52	301.27	73.67	86.96	-1,037.18	12,252.87	2,580.94	2,213.66	367.27	7.027		
16,786.10	7,283.00	9,803.33	6,982.82	303.57	75.24	86.97	-1,036.38	12,327.76	2,580.23	2,208.86	371.37	6.948		
16,800.00	7,283.00	9,809.47	6,982.86	303.94	75.37	86.97	-1,036.38	12,333.90	2,580.25	2,208.38	371.87	6.939		
16,900.00	7,283.00	9,844.00	6,983.12	306.62	76.10	86.97	-1,036.74	12,368.43	2,581.67	2,206.58	375.09	6.883		
17,000.00	7,283.00	9,907.63	6,983.33	309.29	77.51	86.98	-1,038.63	12,432.03	2,584.94	2,205.87	379.07	6.819		
17,100.00	7,283.00	10,057.28	6,983.58	311.96	80.87	86.99	-1,042.67	12,581.61	2,587.59	2,201.79	385.80	6.707		
17,200.00	7,283.00	10,112.00	6,983.38	314.63	82.12	86.99	-1,044.60	12,636.29	2,591.05	2,201.51	389.54	6.652		
17,300.00	7,283.00	10,197.98	6,982.24	317.31	84.12	86.97	-1,048.56	12,722.16	2,595.82	2,201.56	394.26	6.584		
17,400.00	7,283.00	10,434.57	6,982.30	319.98	89.68	86.97	-1,052.71	12,958.63	2,597.66	2,194.11	403.55	6.437		
17,451.36	7,283.00	10,469.00	6,982.83	321.36	90.49	86.99	-1,052.60	12,993.05	2,597.53	2,191.75	405.78	6.401		
17,500.00	7,283.00	10,496.81	6,983.12	322.66	91.15	86.99	-1,052.71	13,020.86	2,597.75	2,190.00	407.74	6.371		
17,600.00	7,283.00	10,610.16	6,982.44	325.34	93.87	86.98	-1,054.05	13,134.20	2,599.23	2,185.89	413.34	6.288		
17,700.00	7,283.00	10,801.17	6,983.56	328.01	98.44	87.00	-1,049.04	13,325.12	2,595.81	2,174.96	420.86	6.168		
17,800.00	7,283.00	10,878.52	6,984.93	330.69	100.31	87.03	-1,046.84	13,402.43	2,593.05	2,167.46	425.58	6.093		
17,900.00	7,283.00	10,958.52	6,985.59	333.37	102.26	87.04	-1,045.19	13,482.40	2,591.11	2,160.75	430.35	6.021		
18,000.00	7,283.00	11,075.42	6,984.36	336.05	105.13	87.01	-1,043.10	13,599.28	2,589.60	2,153.58	436.02	5.939		
18,100.00	7,283.00	11,225.04	6,985.32	338.73	108.81	87.03	-1,037.62	13,748.80	2,585.90	2,143.51	442.40	5.845		
18,200.00	7,283.00	11,296.28	6,987.04	341.41	110.57	87.06	-1,034.86	13,819.96	2,582.14	2,135.09	447.05	5.776		
18,300.00	7,283.00	11,363.00	6,988.47	344.09	112.24	87.09	-1,033.64	13,886.65	2,580.16	2,128.61	451.55	5.714		
18,400.00	7,283.00	11,448.27	6,989.47	346.77	114.38	87.11	-1,032.55	13,971.91	2,578.95	2,122.48	456.47	5.650		
18,500.00	7,283.00	11,520.16	6,989.80	349.46	116.20	87.12	-1,031.74	14,043.79	2,578.07	2,117.05	461.02	5.592		
18,523.96	7,283.00	11,542.00	6,989.81	350.10	116.75	87.12	-1,031.75	14,065.63	2,578.11	2,115.88	462.23	5.578		
18,600.00	7,283.00	11,574.49	6,989.76	352.14	117.58	87.12	-1,032.05	14,098.12	2,578.84	2,113.84	465.00	5.546		
18,700.00	7,283.00	11,631.00	6,989.45	354.82	119.02	87.11	-1,033.49	14,154.61	2,581.48	2,112.57	468.91	5.505		
18,800.00	7,283.00	11,693.18	6,988.57	357.51	120.63	87.10	-1,036.02	14,216.73	2,585.71	2,112.81	472.90	5.468		
18,900.00	7,283.00	11,915.92	6,985.30	360.19	126.36	87.03	-1,039.80	14,439.37	2,587.00	2,104.88	482.12	5.366		
19,000.00	7,283.00	12,018.36	6,985.65	362.88	128.99	87.04	-1,039.46	14,541.80	2,586.81	2,099.31	487.51	5.306		
19,004.45	7,283.00	12,021.63	6,985.67	363.00	129.07	87.04	-1,039.46	14,545.07	2,586.81	2,099.10	487.71	5.304		
19,100.00	7,283.00	12,096.70	6,985.60	365.56	131.01	87.04	-1,039.73	14,620.14	2,587.31	2,095.09	492.21	5.256		
19,200.00	7,283.00	12,141.00	6,985.35	368.25	132.15	87.03	-1,040.02	14,664.44	2,588.74	2,092.93	495.80	5.221 ES		
19,247.68	7,283.00	12,141.00	6,985.35	369.53	132.15	87.03	-1,040.02	14,664.44	2,590.60	2,093.92	496.68	5.216 SF		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 114-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
1,400.00	1,365.21	2,619.05	2,456.12	6.54	16.08	17.67	963.01	10,130.62	10,016.15	9,995.20	20.95	478.127		
1,500.00	1,455.84	2,653.00	2,486.26	7.33	16.37	18.17	947.56	10,128.24	9,964.61	9,942.96	21.66	460.073		
1,600.00	1,544.94	2,653.00	2,486.26	8.19	16.37	18.57	947.56	10,128.24	9,910.86	9,888.76	22.10	448.474		
1,700.00	1,632.39	3,013.00	2,804.69	9.12	19.47	20.54	782.15	10,100.76	9,853.60	9,828.06	25.54	385.826		
1,800.00	1,718.11	3,042.45	2,830.67	10.11	19.73	21.21	768.55	10,098.13	9,793.28	9,767.03	26.25	373.056		
1,900.00	1,801.97	3,066.43	2,851.93	11.18	19.93	21.91	757.64	10,096.07	9,730.88	9,703.95	26.93	361.294		
1,969.27	1,858.92	3,102.00	2,883.61	11.96	20.24	22.52	741.73	10,093.15	9,686.51	9,658.93	27.57	351.313		
2,000.00	1,883.98	3,102.00	2,883.61	12.31	20.24	22.52	741.73	10,093.15	9,666.57	9,638.85	27.73	348.625		
2,100.00	1,965.50	3,102.00	2,883.61	13.48	20.24	22.52	741.73	10,093.15	9,602.12	9,573.89	28.23	340.125		
2,200.00	2,047.03	3,143.64	2,920.75	14.65	20.59	22.73	723.18	10,089.94	9,538.08	9,508.99	29.09	327.873		
2,300.00	2,128.56	3,192.00	2,963.77	15.84	21.00	22.97	701.36	10,086.50	9,474.55	9,444.53	30.02	315.601		
2,400.00	2,210.09	3,192.00	2,963.77	17.03	21.00	22.97	701.36	10,086.50	9,411.40	9,380.83	30.56	307.916		
2,500.00	2,291.61	3,223.57	2,991.90	18.23	21.27	23.12	687.17	10,084.41	9,348.76	9,317.38	31.38	297.934		
2,600.00	2,373.14	3,422.45	3,170.46	19.44	22.93	24.11	600.74	10,070.43	9,286.47	9,252.90	33.56	276.688		
2,700.00	2,454.67	3,462.00	3,205.61	20.64	23.26	24.32	582.89	10,067.39	9,223.65	9,189.18	34.47	267.555		
2,800.00	2,536.20	3,462.00	3,205.61	21.86	23.26	24.32	582.89	10,067.39	9,161.36	9,126.29	35.07	261.245		
2,900.00	2,617.72	3,494.04	3,234.07	23.07	23.54	24.48	568.35	10,065.12	9,099.54	9,063.60	35.94	253.178		
3,000.00	2,699.25	3,511.62	3,249.73	24.29	23.69	24.58	560.44	10,063.98	9,038.33	9,001.63	36.70	246.255		
3,100.00	2,780.78	3,552.00	3,285.80	25.50	24.03	24.79	542.44	10,061.67	8,977.80	8,940.13	37.67	238.339		
3,200.00	2,862.31	3,552.00	3,285.80	26.73	24.03	24.79	542.44	10,061.67	8,917.66	8,879.36	38.30	232.834		
3,300.00	2,943.83	3,552.00	3,285.80	27.95	24.03	24.79	542.44	10,061.67	8,858.25	8,819.30	38.94	227.480		
3,400.00	3,025.36	3,552.00	3,285.80	29.17	24.03	24.79	542.44	10,061.67	8,799.57	8,759.98	39.59	222.275		
3,500.00	3,106.89	3,598.28	3,327.20	30.40	24.42	25.03	521.87	10,059.59	8,741.19	8,700.55	40.64	215.078		
3,600.00	3,188.42	3,642.00	3,366.27	31.62	24.79	25.26	502.27	10,058.23	8,683.78	8,642.10	41.68	208.320		
3,700.00	3,269.94	3,786.64	3,493.00	32.85	26.08	26.06	432.84	10,052.62	8,626.43	8,582.73	43.70	197.412		
3,800.00	3,351.47	3,821.00	3,522.79	34.07	26.40	26.26	415.80	10,051.08	8,569.02	8,524.30	44.71	191.639		
3,900.00	3,433.00	3,872.44	3,567.33	35.30	26.87	26.55	390.16	10,048.88	8,512.08	8,466.17	45.91	185.409		
4,000.00	3,514.53	4,055.59	3,728.13	36.53	28.50	27.59	303.07	10,039.56	8,454.72	8,406.40	48.32	174.986		
4,100.00	3,596.05	4,088.00	3,757.12	37.76	28.77	27.77	288.70	10,037.83	8,397.87	8,348.54	49.33	170.242		
4,200.00	3,677.58	4,177.48	3,837.21	38.99	29.53	28.27	249.08	10,032.89	8,341.22	8,290.37	50.85	164.035		
4,300.00	3,759.11	4,230.72	3,884.99	40.22	29.97	28.57	225.81	10,029.88	8,284.92	8,232.87	52.06	159.148		
4,400.00	3,840.64	4,268.00	3,918.69	41.45	30.28	28.77	209.98	10,027.94	8,229.22	8,176.09	53.14	154.866		
4,500.00	3,922.16	4,311.59	3,957.96	42.68	30.65	29.02	191.19	10,025.77	8,174.06	8,119.77	54.29	150.561		
4,600.00	4,003.69	4,357.00	3,998.33	43.91	31.03	29.28	170.53	10,023.55	8,119.41	8,063.94	55.48	146.360		
4,700.00	4,085.22	4,392.91	4,030.03	45.15	31.34	29.49	153.75	10,021.86	8,065.34	8,008.74	56.60	142.498		
4,800.00	4,166.75	4,447.00	4,077.82	46.38	31.82	29.81	128.50	10,019.50	8,011.88	7,953.98	57.91	138.355		
4,900.00	4,248.27	4,467.02	4,095.53	47.61	31.99	29.93	119.22	10,018.69	7,958.99	7,900.10	58.90	135.131		
5,000.00	4,329.80	4,502.21	4,126.81	48.84	32.29	30.14	103.15	10,017.37	7,906.77	7,846.73	60.04	131.693		
5,100.00	4,411.33	4,700.21	4,301.91	50.08	34.03	31.33	11.24	10,008.01	7,854.17	7,791.39	62.77	125.120		
5,200.00	4,492.86	4,740.27	4,337.29	51.31	34.38	31.58	-7.43	10,005.88	7,801.98	7,737.98	64.00	121.904		
5,300.00	4,574.38	4,777.97	4,370.74	52.54	34.70	31.81	-24.70	10,004.02	7,750.43	7,685.22	65.21	118.848		
5,400.00	4,655.91	4,805.00	4,394.82	53.78	34.94	31.97	-36.92	10,002.78	7,699.56	7,633.23	66.33	116.077		
5,500.00	4,737.44	4,854.95	4,439.49	55.01	35.36	32.27	-59.17	10,000.67	7,649.31	7,581.65	67.67	113.041		
5,600.00	4,818.97	4,895.00	4,475.44	56.24	35.70	32.52	-76.77	9,999.15	7,599.75	7,530.83	68.92	110.265		
5,700.00	4,900.49	4,972.05	4,544.72	57.48	36.34	32.98	-110.38	9,996.29	7,550.70	7,480.17	70.53	107.052		
5,800.00	4,982.02	5,036.20	4,602.36	58.71	36.88	33.37	-138.42	9,993.77	7,502.01	7,429.97	72.04	104.134		
5,900.00	5,063.55	5,075.36	4,637.30	59.95	37.21	33.62	-156.02	9,992.25	7,453.98	7,380.65	73.33	101.651		
6,000.00	5,145.08	5,456.00	4,975.65	61.18	40.48	36.06	-328.62	9,968.56	7,404.42	7,326.38	78.03	94.892		
6,100.00	5,226.60	5,456.00	4,975.65	62.42	40.48	36.06	-328.62	9,968.56	7,355.20	7,276.21	78.99	93.119		
6,200.00	5,308.13	5,495.57	5,010.98	63.65	40.82	36.31	-346.16	9,965.58	7,306.65	7,226.32	80.34	90.947		
6,300.00	5,389.66	5,513.27	5,026.76	64.89	40.98	36.43	-354.13	9,964.38	7,259.13	7,177.65	81.48	89.086		
6,400.00	5,471.19	5,546.00	5,055.83	66.12	41.26	36.65	-369.03	9,962.42	7,212.59	7,129.80	82.79	87.120		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 114-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
6,500.00	5,552.72	5,546.00	5,055.83	67.36	41.26	36.65	-369.03	9,962.42	7,166.88	7,083.12	83.77	85.558		
6,600.00	5,634.24	5,546.00	5,055.83	68.59	41.26	36.65	-369.03	9,962.42	7,122.29	7,037.54	84.74	84.045		
6,700.00	5,715.77	5,587.84	5,092.76	69.83	41.63	36.93	-388.58	9,960.28	7,078.44	6,992.26	86.18	82.135		
6,800.00	5,797.30	5,635.00	5,133.95	71.06	42.05	37.25	-411.44	9,958.30	7,035.87	6,948.18	87.69	80.236		
6,900.00	5,878.83	5,635.00	5,133.95	72.30	42.05	37.25	-411.44	9,958.30	6,993.97	6,905.29	88.68	78.868		
7,000.00	5,960.35	6,022.59	5,478.84	73.53	45.38	39.86	-586.58	9,936.16	6,950.35	6,856.53	93.82	74.081		
7,100.00	6,041.88	6,075.87	5,526.57	74.77	45.83	40.23	-609.94	9,932.22	6,907.21	6,811.79	95.42	72.389		
7,200.00	6,123.41	6,107.65	5,554.89	76.01	46.10	40.45	-624.16	9,929.87	6,864.88	6,768.07	96.81	70.910		
7,300.00	6,204.94	6,136.68	5,580.71	77.24	46.35	40.65	-637.27	9,927.81	6,823.50	6,725.31	98.18	69.498		
7,400.00	6,286.46	6,171.00	5,611.18	78.48	46.65	40.89	-652.90	9,925.52	6,783.08	6,683.46	99.62	68.090		
7,500.00	6,367.99	6,208.49	5,644.38	79.71	46.98	41.15	-670.14	9,923.09	6,743.60	6,642.49	101.10	66.700		
7,600.00	6,449.52	6,671.04	6,061.09	80.95	50.77	44.39	-866.46	9,885.08	6,703.43	6,596.48	106.96	62.674		
7,700.00	6,531.05	6,709.00	6,095.37	82.19	51.08	44.66	-882.23	9,880.92	6,661.92	6,553.43	108.49	61.406		
7,800.00	6,612.57	6,750.60	6,133.13	83.42	51.41	44.95	-899.15	9,876.63	6,621.31	6,511.25	110.05	60.165		
7,900.00	6,694.10	6,798.00	6,176.21	84.66	51.79	45.29	-918.34	9,871.91	6,581.56	6,469.88	111.68	58.933		
8,000.00	6,775.63	6,798.00	6,176.21	85.89	51.79	45.29	-918.34	9,871.91	6,542.86	6,430.03	112.83	57.988		
8,100.00	6,857.16	6,798.00	6,176.21	87.13	51.79	45.29	-918.34	9,871.91	6,505.47	6,391.49	113.98	57.077		
8,200.00	6,938.68	6,845.06	6,218.75	88.37	52.18	45.63	-937.99	9,867.54	6,468.76	6,353.13	115.63	55.944		
8,300.00	7,020.21	6,887.00	6,256.19	89.60	52.53	45.94	-956.54	9,864.05	6,433.73	6,316.50	117.24	54.878		
8,310.57	7,028.83	6,887.00	6,256.19	89.73	52.53	45.94	-956.54	9,864.05	6,430.06	6,312.70	117.36	54.790		
8,350.00	7,060.23	6,887.00	6,256.19	90.25	52.53	44.47	-956.54	9,864.05	6,415.30	6,297.48	117.82	54.450		
8,400.00	7,097.77	6,887.00	6,256.19	90.98	52.53	43.33	-956.54	9,864.05	6,393.58	6,275.14	118.44	53.984		
8,450.00	7,132.48	6,887.00	6,256.19	91.79	52.53	42.88	-956.54	9,864.05	6,368.62	6,249.53	119.08	53.482		
8,500.00	7,164.10	6,887.00	6,256.19	92.67	52.53	43.04	-956.54	9,864.05	6,340.56	6,220.81	119.75	52.949		
8,550.00	7,192.40	6,887.00	6,256.19	93.63	52.53	43.81	-956.54	9,864.05	6,309.59	6,189.16	120.43	52.391		
8,600.00	7,217.15	6,911.09	6,277.60	94.64	52.74	45.48	-967.45	9,862.20	6,275.84	6,154.42	121.42	51.687		
8,650.00	7,238.16	6,919.68	6,285.24	95.70	52.81	47.71	-971.32	9,861.56	6,239.58	6,117.35	122.23	51.049		
8,700.00	7,255.29	6,926.27	6,291.10	96.80	52.87	50.75	-974.28	9,861.08	6,201.06	6,078.05	123.01	50.411		
8,750.00	7,268.39	6,930.76	6,295.10	97.92	52.91	54.79	-976.30	9,860.76	6,160.53	6,036.76	123.76	49.777		
8,800.00	7,277.37	6,933.08	6,297.17	99.06	52.92	60.03	-977.34	9,860.59	6,118.27	5,993.79	124.47	49.154		
8,850.00	7,282.15	6,933.18	6,297.25	100.20	52.93	66.75	-977.38	9,860.58	6,074.57	5,949.44	125.13	48.545		
8,881.61	7,283.00	6,932.07	6,296.27	100.91	52.92	71.87	-976.88	9,860.66	6,046.35	5,920.82	125.52	48.169		
8,900.00	7,283.00	6,931.16	6,295.46	101.33	52.91	71.85	-976.48	9,860.73	6,029.81	5,904.07	125.75	47.952		
9,000.00	7,283.00	6,926.15	6,290.99	103.59	52.87	71.75	-974.23	9,861.09	5,940.10	5,813.13	126.97	46.784		
9,100.00	7,283.00	6,921.03	6,286.44	105.87	52.82	71.64	-971.92	9,861.46	5,850.71	5,722.48	128.23	45.627		
9,200.00	7,283.00	6,915.80	6,281.78	108.18	52.78	71.53	-969.57	9,861.85	5,761.67	5,632.14	129.53	44.482		
9,300.00	7,283.00	6,910.45	6,277.03	110.50	52.73	71.41	-967.16	9,862.25	5,672.98	5,542.11	130.87	43.348		
9,400.00	7,283.00	6,904.99	6,272.17	112.84	52.68	71.30	-964.69	9,862.66	5,584.67	5,452.41	132.25	42.227		
9,500.00	7,283.00	6,899.41	6,267.21	115.19	52.64	71.18	-962.17	9,863.09	5,496.75	5,363.07	133.68	41.118		
9,600.00	7,283.00	6,887.00	6,256.19	117.56	52.53	70.91	-956.54	9,864.05	5,409.25	5,274.19	135.06	40.052		
9,700.00	7,283.00	6,887.00	6,256.19	119.95	52.53	70.91	-956.54	9,864.05	5,322.17	5,185.51	136.66	38.945		
9,800.00	7,283.00	6,887.00	6,256.19	122.34	52.53	70.91	-956.54	9,864.05	5,235.55	5,097.23	138.31	37.853		
9,900.00	7,283.00	6,887.00	6,256.19	124.76	52.53	70.91	-956.54	9,864.05	5,149.41	5,009.39	140.02	36.775		
10,000.00	7,283.00	6,887.00	6,256.19	127.18	52.53	70.91	-956.54	9,864.05	5,063.79	4,922.00	141.79	35.714		
10,100.00	7,283.00	6,887.00	6,256.19	129.61	52.53	70.91	-956.54	9,864.05	4,978.70	4,835.09	143.61	34.668		
10,200.00	7,283.00	6,887.00	6,256.19	132.06	52.53	70.91	-956.54	9,864.05	4,894.17	4,748.68	145.49	33.639		
10,300.00	7,283.00	6,887.00	6,256.19	134.52	52.53	70.91	-956.54	9,864.05	4,810.24	4,662.81	147.43	32.627		
10,400.00	7,283.00	6,887.00	6,256.19	136.98	52.53	70.91	-956.54	9,864.05	4,726.94	4,577.50	149.44	31.632		
10,500.00	7,283.00	6,887.00	6,256.19	139.46	52.53	70.91	-956.54	9,864.05	4,644.29	4,492.79	151.50	30.655		
10,600.00	7,283.00	6,887.00	6,256.19	141.94	52.53	70.91	-956.54	9,864.05	4,562.34	4,408.70	153.63	29.696		
10,700.00	7,283.00	6,887.00	6,256.19	144.44	52.53	70.91	-956.54	9,864.05	4,481.12	4,325.29	155.83	28.756		
10,800.00	7,283.00	6,887.00	6,256.19	146.94	52.53	70.91	-956.54	9,864.05	4,400.67	4,242.57	158.10	27.835		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 114-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,900.00	7,283.00	6,887.00	6,256.19	149.45	52.53	70.91	-956.54	9,864.05	4,321.04	4,160.61	160.43	26.934		
11,000.00	7,283.00	6,887.00	6,256.19	151.96	52.53	70.91	-956.54	9,864.05	4,242.28	4,079.44	162.84	26.052		
11,100.00	7,283.00	6,853.73	6,226.52	154.49	52.25	70.19	-941.74	9,866.79	4,163.98	3,999.33	164.66	25.289		
11,200.00	7,283.00	6,851.09	6,224.16	157.01	52.23	70.14	-940.60	9,867.02	4,087.01	3,919.88	167.13	24.454		
11,300.00	7,283.00	6,848.42	6,221.76	159.55	52.21	70.08	-939.44	9,867.25	4,011.05	3,841.37	169.68	23.639		
11,400.00	7,283.00	6,845.71	6,219.33	162.09	52.19	70.02	-938.27	9,867.48	3,936.16	3,763.87	172.29	22.846		
11,500.00	7,283.00	6,842.97	6,216.87	164.64	52.16	69.96	-937.09	9,867.72	3,862.40	3,687.43	174.97	22.074		
11,600.00	7,283.00	6,840.19	6,214.37	167.19	52.14	69.90	-935.90	9,867.97	3,789.84	3,612.12	177.72	21.325		
11,700.00	7,283.00	6,837.37	6,211.83	169.75	52.12	69.84	-934.69	9,868.22	3,718.54	3,538.02	180.53	20.598		
11,800.00	7,283.00	6,834.52	6,209.26	172.31	52.09	69.78	-933.48	9,868.48	3,648.59	3,465.19	183.40	19.894		
11,900.00	7,283.00	6,831.62	6,206.65	174.88	52.07	69.72	-932.25	9,868.74	3,580.05	3,393.72	186.33	19.214		
12,000.00	7,283.00	6,828.69	6,204.00	177.45	52.05	69.65	-931.01	9,869.01	3,513.02	3,323.70	189.31	18.557		
12,100.00	7,283.00	6,798.00	6,176.21	180.03	51.79	68.99	-918.34	9,871.91	3,447.92	3,256.26	191.66	17.990		
12,200.00	7,283.00	6,798.00	6,176.21	182.61	51.79	68.99	-918.34	9,871.91	3,384.09	3,189.28	194.80	17.372		
12,300.00	7,283.00	6,798.00	6,176.21	185.19	51.79	68.99	-918.34	9,871.91	3,322.04	3,124.05	197.99	16.779		
12,400.00	7,283.00	6,798.00	6,176.21	187.78	51.79	68.99	-918.34	9,871.91	3,261.88	3,060.68	201.21	16.212		
12,500.00	7,283.00	6,798.00	6,176.21	190.37	51.79	68.99	-918.34	9,871.91	3,203.72	2,999.26	204.45	15.670		
12,600.00	7,283.00	6,798.00	6,176.21	192.97	51.79	68.99	-918.34	9,871.91	3,147.65	2,939.94	207.71	15.154		
12,700.00	7,283.00	6,798.00	6,176.21	195.57	51.79	68.99	-918.34	9,871.91	3,093.80	2,882.82	210.98	14.664		
12,800.00	7,283.00	6,798.00	6,176.21	198.17	51.79	68.99	-918.34	9,871.91	3,042.29	2,828.05	214.24	14.201		
12,900.00	7,283.00	6,798.00	6,176.21	200.77	51.79	68.99	-918.34	9,871.91	2,993.23	2,775.76	217.47	13.764		
13,000.00	7,283.00	6,794.90	6,173.39	203.38	51.77	68.92	-917.09	9,872.21	2,946.75	2,726.17	220.58	13.359		
13,100.00	7,283.00	6,784.79	6,164.19	205.99	51.69	68.70	-913.00	9,873.21	2,902.95	2,679.53	223.41	12.994		
13,200.00	7,283.00	6,774.52	6,154.86	208.61	51.60	68.48	-908.84	9,874.23	2,861.93	2,635.76	226.17	12.654		
13,300.00	7,283.00	6,764.09	6,145.38	211.22	51.52	68.26	-904.62	9,875.27	2,823.82	2,595.01	228.81	12.341		
13,400.00	7,283.00	6,753.49	6,135.75	213.84	51.44	68.03	-900.32	9,876.34	2,788.75	2,557.41	231.34	12.055		
13,500.00	7,283.00	6,742.72	6,125.97	216.47	51.35	67.79	-895.95	9,877.44	2,756.81	2,523.10	233.72	11.795		
13,600.00	7,283.00	6,731.78	6,116.04	219.09	51.26	67.55	-891.50	9,878.56	2,728.13	2,492.19	235.94	11.563		
13,700.00	7,283.00	6,720.65	6,105.94	221.72	51.17	67.31	-886.97	9,879.71	2,702.81	2,464.82	237.99	11.357		
13,800.00	7,283.00	6,660.51	6,051.86	224.34	50.68	66.01	-861.57	9,886.55	2,680.49	2,442.39	238.10	11.258		
13,900.00	7,283.00	6,619.00	6,014.62	226.97	50.34	65.11	-843.89	9,891.37	2,662.10	2,423.50	238.59	11.157		
14,000.00	7,283.00	6,619.00	6,014.62	229.61	50.34	65.11	-843.89	9,891.37	2,647.03	2,406.59	240.44	11.009		
14,100.00	7,283.00	6,619.00	6,014.62	232.24	50.34	65.11	-843.89	9,891.37	2,635.67	2,393.59	242.08	10.888		
14,200.00	7,283.00	6,619.00	6,014.62	234.88	50.34	65.11	-843.89	9,891.37	2,628.07	2,384.57	243.50	10.793		
14,300.00	7,283.00	6,619.00	6,014.62	237.52	50.34	65.11	-843.89	9,891.37	2,624.26	2,379.55	244.71	10.724		
14,395.98	7,283.00	6,589.79	5,988.57	240.05	50.10	64.48	-831.17	9,895.00	2,623.72	2,379.22	244.51	10.731 CC, ES		
14,400.00	7,283.00	6,589.61	5,988.42	240.16	50.10	64.47	-831.10	9,895.02	2,623.79	2,379.26	244.53	10.730		
14,500.00	7,283.00	6,585.39	5,984.63	242.80	50.06	64.38	-829.31	9,895.53	2,627.45	2,382.33	245.12	10.719		
14,600.00	7,283.00	6,581.22	5,980.88	245.44	50.03	64.29	-827.55	9,896.03	2,634.88	2,389.39	245.49	10.733		
14,700.00	7,283.00	6,577.12	5,977.19	248.09	50.00	64.20	-825.83	9,896.52	2,646.05	2,400.42	245.63	10.772		
14,800.00	7,283.00	6,573.07	5,973.54	250.74	49.96	64.12	-824.14	9,897.00	2,660.92	2,415.36	245.57	10.836		
14,900.00	7,283.00	6,569.08	5,969.94	253.38	49.93	64.03	-822.49	9,897.47	2,679.43	2,434.14	245.29	10.923		
15,000.00	7,283.00	6,565.15	5,966.38	256.03	49.90	63.94	-820.87	9,897.92	2,701.49	2,456.67	244.82	11.035		
15,100.00	7,283.00	6,561.27	5,962.87	258.69	49.87	63.86	-819.28	9,898.37	2,727.03	2,482.88	244.15	11.169		
15,200.00	7,283.00	6,530.00	5,934.41	261.34	49.61	63.18	-806.83	9,901.88	2,756.36	2,514.17	242.19	11.381		
15,300.00	7,283.00	6,530.00	5,934.41	263.99	49.61	63.18	-806.83	9,901.88	2,788.44	2,547.11	241.33	11.554		
15,400.00	7,283.00	6,530.00	5,934.41	266.65	49.61	63.18	-806.83	9,901.88	2,823.70	2,583.38	240.32	11.750		
15,500.00	7,283.00	6,530.00	5,934.41	269.31	49.61	63.18	-806.83	9,901.88	2,862.02	2,622.87	239.15	11.967		
15,600.00	7,283.00	6,530.00	5,934.41	271.96	49.61	63.18	-806.83	9,901.88	2,903.28	2,665.42	237.86	12.206		
15,700.00	7,283.00	6,530.00	5,934.41	274.62	49.61	63.18	-806.83	9,901.88	2,947.36	2,710.91	236.45	12.465		
15,800.00	7,283.00	8,958.27	7,112.50	277.28	63.58	89.88	-1,416.78	11,287.43	2,955.81	2,633.90	321.91	9.182		
15,900.00	7,283.00	9,037.00	7,113.34	279.94	64.24	89.89	-1,418.04	11,366.15	2,957.66	2,631.60	326.06	9.071		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Sec 1-T4N-R68W - CITO TRUST 1E-10-6C - ORIGINAL WELLBORE - WB #1 - ENSIGN 147		Offset Site Error:		0.00 usft	
Survey Program: 114-MWD OWSG														Offset Well Error:		0.00 usft	
Reference		Offset		Semi Major Axis		Distance											
Measured Depth	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbore	Centre	Between	Between	Minimum	Separation	Warning				
Depth	Depth	Depth	Depth			Toolface	+N/-S	+E/-W	Centres	Ellipses	Separation	Factor					
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)						
16,000.00	7,283.00	9,127.00	7,113.60	282.61	65.10	89.90	-1,420.21	11,456.12	2,960.25	2,629.71	330.54	8.956					
16,100.00	7,283.00	9,246.83	7,112.94	285.27	66.40	89.88	-1,423.41	11,575.90	2,963.15	2,627.27	335.87	8.822					
16,200.00	7,283.00	9,417.85	7,112.57	287.94	68.53	89.88	-1,425.12	11,746.91	2,964.40	2,621.89	342.51	8.655					
16,300.00	7,283.00	9,569.09	7,112.99	290.60	70.65	89.89	-1,422.92	11,898.13	2,962.97	2,614.34	348.62	8.499					
16,400.00	7,283.00	9,617.64	7,113.38	293.27	71.40	89.89	-1,422.10	11,946.67	2,961.70	2,609.31	352.39	8.405					
16,406.72	7,283.00	9,620.00	7,113.41	293.45	71.44	89.89	-1,422.09	11,949.03	2,961.70	2,609.08	352.62	8.399					
16,500.00	7,283.00	9,665.00	7,113.85	295.94	72.15	89.90	-1,422.65	11,994.02	2,962.72	2,606.68	356.04	8.321					
16,600.00	7,283.00	9,737.40	7,113.91	298.60	73.39	89.90	-1,424.47	12,066.39	2,965.24	2,604.92	360.33	8.229					
16,700.00	7,283.00	9,816.84	7,112.87	301.27	74.80	89.88	-1,426.56	12,145.80	2,968.07	2,603.26	364.81	8.136					
16,800.00	7,283.00	9,912.14	7,111.59	303.94	76.58	89.86	-1,429.71	12,241.04	2,971.53	2,601.78	369.75	8.037					
16,900.00	7,283.00	10,050.93	7,110.08	306.62	79.29	89.83	-1,433.33	12,379.77	2,974.31	2,598.37	375.94	7.912					
17,000.00	7,283.00	10,151.80	7,109.69	309.29	81.33	89.82	-1,435.09	12,480.63	2,976.22	2,595.13	381.09	7.810					
17,100.00	7,283.00	10,260.22	7,109.35	311.96	83.59	89.82	-1,437.30	12,589.03	2,978.45	2,591.99	386.47	7.707					
17,200.00	7,283.00	10,419.38	7,106.81	314.63	87.00	89.77	-1,439.05	12,748.14	2,980.01	2,586.82	393.18	7.579					
17,300.00	7,283.00	10,565.16	7,105.99	317.31	90.17	89.75	-1,436.67	12,893.89	2,978.31	2,578.84	399.46	7.456					
17,400.00	7,283.00	10,669.26	7,106.09	319.98	92.48	89.75	-1,434.64	12,997.97	2,976.52	2,571.77	404.75	7.354					
17,500.00	7,283.00	10,773.61	7,106.97	322.66	94.83	89.77	-1,432.40	13,102.29	2,974.54	2,564.48	410.06	7.254					
17,600.00	7,283.00	10,906.89	7,108.82	325.34	97.87	89.81	-1,429.07	13,235.52	2,972.28	2,556.27	416.01	7.145					
17,700.00	7,283.00	11,005.00	7,110.38	328.01	100.13	89.84	-1,425.55	13,333.55	2,968.85	2,547.66	421.19	7.049					
17,800.00	7,283.00	11,052.92	7,111.28	330.69	101.26	89.85	-1,424.28	13,381.44	2,966.52	2,541.28	425.24	6.976					
17,881.20	7,283.00	11,095.00	7,112.19	332.87	102.25	89.87	-1,424.09	13,423.51	2,966.14	2,537.61	428.53	6.922					
17,900.00	7,283.00	11,095.00	7,112.19	333.37	102.25	89.87	-1,424.09	13,423.51	2,966.20	2,537.17	429.02	6.914					
18,000.00	7,283.00	11,197.93	7,114.89	336.05	104.72	89.92	-1,424.50	13,526.41	2,966.76	2,532.40	434.36	6.830					
18,100.00	7,283.00	11,292.04	7,116.34	338.73	106.99	89.95	-1,425.18	13,620.50	2,967.62	2,528.16	439.46	6.753					
18,191.06	7,283.00	11,405.01	7,117.56	341.17	109.74	89.97	-1,424.66	13,733.46	2,967.21	2,522.37	444.84	6.670					
18,200.00	7,283.00	11,410.15	7,117.59	341.41	109.87	89.97	-1,424.65	13,738.61	2,967.22	2,522.00	445.22	6.665					
18,300.00	7,283.00	11,513.79	7,116.93	344.09	112.40	89.96	-1,424.77	13,842.23	2,967.50	2,516.91	450.59	6.586					
18,387.88	7,283.00	11,601.73	7,115.19	346.45	114.57	89.93	-1,424.27	13,930.15	2,967.15	2,511.90	455.24	6.518					
18,400.00	7,283.00	11,609.36	7,114.97	346.77	114.75	89.92	-1,424.26	13,937.78	2,967.16	2,511.39	455.77	6.510					
18,500.00	7,283.00	11,698.52	7,112.14	349.46	116.96	89.87	-1,424.56	14,026.89	2,967.64	2,506.87	460.78	6.441					
18,600.00	7,283.00	11,783.05	7,109.40	352.14	119.07	89.82	-1,425.00	14,111.38	2,968.36	2,502.70	465.66	6.374					
18,700.00	7,283.00	11,896.53	7,106.14	354.82	121.91	89.75	-1,425.63	14,224.81	2,969.08	2,497.74	471.34	6.299					
18,800.00	7,283.00	11,962.77	7,105.29	357.51	123.58	89.74	-1,426.05	14,291.04	2,969.99	2,494.28	475.71	6.243					
18,900.00	7,283.00	12,065.30	7,107.24	360.19	126.17	89.78	-1,427.69	14,393.53	2,971.76	2,490.66	481.10	6.177					
19,000.00	7,283.00	12,142.94	7,109.65	362.88	128.15	89.82	-1,428.81	14,471.12	2,973.45	2,487.69	485.77	6.121					
19,100.00	7,283.00	12,258.30	7,112.07	365.56	131.09	89.87	-1,431.53	14,586.42	2,976.02	2,484.48	491.54	6.054					
19,200.00	7,283.00	12,339.96	7,113.62	368.25	133.18	89.90	-1,433.29	14,668.05	2,978.32	2,482.00	496.33	6.001					
19,247.68	7,283.00	12,381.00	7,114.41	369.53	134.23	89.91	-1,434.25	14,709.07	2,979.52	2,480.85	498.67	5.975	SF				

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 114-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
1,400.00	1,365.21	3,012.00	2,737.25	6.54	21.96	20.36	592.18	10,082.62	9,982.40	9,955.70	26.69	373.968		
1,500.00	1,455.84	3,050.47	2,769.38	7.33	22.34	20.98	571.40	10,078.67	9,928.79	9,901.29	27.50	361.009		
1,600.00	1,544.94	3,101.00	2,811.88	8.19	22.84	21.70	544.52	10,073.74	9,873.09	9,844.65	28.44	347.146		
1,700.00	1,632.39	3,101.00	2,811.88	9.12	22.84	22.23	544.52	10,073.74	9,815.10	9,786.19	28.91	339.484		
1,800.00	1,718.11	3,101.00	2,811.88	10.11	22.84	22.81	544.52	10,073.74	9,755.16	9,725.76	29.40	331.843		
1,900.00	1,801.97	3,135.16	2,840.82	11.18	23.17	23.61	526.63	10,070.64	9,693.11	9,662.90	30.22	320.792		
1,969.27	1,858.92	3,146.47	2,850.44	11.96	23.28	24.13	520.76	10,069.66	9,649.02	9,618.34	30.68	314.504		
2,000.00	1,883.98	3,151.46	2,854.69	12.31	23.33	24.16	518.18	10,069.24	9,629.28	9,598.39	30.89	311.751		
2,100.00	1,965.50	3,191.00	2,888.50	13.48	23.71	24.37	497.93	10,066.11	9,565.46	9,533.68	31.78	300.980		
2,200.00	2,047.03	3,191.00	2,888.50	14.65	23.71	24.37	497.93	10,066.11	9,502.00	9,469.68	32.32	294.006		
2,300.00	2,128.56	3,211.07	2,905.73	15.84	23.90	24.48	487.74	10,064.63	9,439.13	9,406.07	33.06	285.544		
2,400.00	2,210.09	3,243.68	2,933.73	17.03	24.20	24.66	471.20	10,062.28	9,376.73	9,342.80	33.92	276.398		
2,500.00	2,291.61	3,608.16	3,247.85	18.23	27.61	26.67	289.25	10,030.30	9,313.85	9,276.00	37.85	246.085		
2,600.00	2,373.14	3,641.00	3,276.38	19.44	27.92	26.86	273.33	10,026.96	9,250.46	9,211.71	38.75	238.722		
2,700.00	2,454.67	3,641.00	3,276.38	20.64	27.92	26.86	273.33	10,026.96	9,187.54	9,148.18	39.37	233.393		
2,800.00	2,536.20	3,673.64	3,304.81	21.86	28.22	27.04	257.61	10,023.81	9,125.17	9,084.88	40.29	226.514		
2,900.00	2,617.72	3,699.87	3,327.61	23.07	28.46	27.19	244.87	10,021.37	9,063.30	9,022.15	41.16	220.198		
3,000.00	2,699.25	3,730.00	3,353.74	24.29	28.74	27.36	230.12	10,018.69	9,001.97	8,959.89	42.08	213.917		
3,100.00	2,780.78	3,780.18	3,397.02	25.50	29.21	27.65	205.10	10,014.32	8,941.09	8,897.87	43.21	206.903		
3,200.00	2,862.31	3,820.00	3,431.08	26.73	29.59	27.88	184.77	10,010.86	8,880.57	8,836.31	44.26	200.637		
3,300.00	2,943.83	3,870.80	3,474.23	27.95	30.08	28.18	158.30	10,006.50	8,820.49	8,775.05	45.44	194.093		
3,400.00	3,025.36	3,909.00	3,506.47	29.17	30.46	28.41	138.07	10,003.30	8,760.91	8,714.40	46.52	188.341		
3,500.00	3,106.89	3,935.84	3,529.05	30.40	30.72	28.58	123.74	10,001.13	8,701.87	8,654.38	47.49	183.234		
3,600.00	3,188.42	3,962.70	3,551.64	31.62	30.99	28.74	109.34	9,999.03	8,643.42	8,594.95	48.48	178.302		
3,700.00	3,269.94	3,998.00	3,581.27	32.85	31.34	28.96	90.34	9,996.39	8,585.58	8,536.02	49.56	173.236		
3,800.00	3,351.47	4,018.46	3,598.43	34.07	31.54	29.08	79.30	9,994.93	8,528.33	8,477.83	50.50	168.870		
3,900.00	3,433.00	4,048.19	3,623.35	35.30	31.84	29.27	63.21	9,992.87	8,471.69	8,420.14	51.55	164.331		
4,000.00	3,514.53	4,087.00	3,655.84	36.53	32.23	29.51	42.15	9,990.30	8,415.68	8,362.97	52.71	159.660		
4,100.00	3,596.05	4,087.00	3,655.84	37.76	32.23	29.51	42.15	9,990.30	8,360.33	8,306.87	53.46	156.374		
4,200.00	3,677.58	4,125.16	3,687.83	38.99	32.61	29.75	21.47	9,987.97	8,305.60	8,250.97	54.63	152.025		
4,300.00	3,759.11	4,148.06	3,707.08	40.22	32.84	29.89	9.13	9,986.70	8,251.61	8,195.96	55.65	148.279		
4,400.00	3,840.64	4,177.00	3,731.45	41.45	33.12	30.07	-6.41	9,985.22	8,198.33	8,141.59	56.74	144.490		
4,500.00	3,922.16	4,177.00	3,731.45	42.68	33.12	30.07	-6.41	9,985.22	8,145.81	8,088.29	57.52	141.608		
4,600.00	4,003.69	4,177.00	3,731.45	43.91	33.12	30.07	-6.41	9,985.22	8,094.18	8,035.87	58.31	138.808		
4,700.00	4,085.22	4,225.90	3,773.03	45.15	33.59	30.38	-32.06	9,983.21	8,043.00	7,983.38	59.63	134.888		
4,800.00	4,166.75	4,267.00	3,808.50	46.38	33.98	30.63	-52.79	9,982.10	7,992.90	7,932.03	60.87	131.317		
4,900.00	4,248.27	4,267.00	3,808.50	47.61	33.98	30.63	-52.79	9,982.10	7,943.40	7,881.73	61.68	128.790		
5,000.00	4,329.80	4,411.77	3,934.67	48.84	35.30	31.50	-123.67	9,978.22	7,894.26	7,830.27	63.99	123.376		
5,100.00	4,411.33	4,535.00	4,042.47	50.08	36.42	32.25	-183.20	9,973.74	7,844.94	7,778.86	66.08	118.718		
5,200.00	4,492.86	4,579.10	4,080.95	51.31	36.82	32.53	-204.68	9,971.93	7,796.04	7,728.65	67.39	115.694		
5,300.00	4,574.38	4,782.30	4,255.04	52.54	38.75	33.83	-308.82	9,961.35	7,747.11	7,676.65	70.46	109.958		
5,400.00	4,655.91	4,804.00	4,273.60	53.78	38.96	33.97	-319.99	9,960.04	7,698.50	7,626.93	71.58	107.555		
5,500.00	4,737.44	4,804.00	4,273.60	55.01	38.96	33.97	-319.99	9,960.04	7,650.85	7,578.39	72.46	105.584		
5,600.00	4,818.97	4,849.13	4,312.50	56.24	39.38	34.26	-342.74	9,957.72	7,603.82	7,529.98	73.84	102.978		
5,700.00	4,900.49	4,894.00	4,351.62	57.48	39.80	34.55	-364.66	9,956.09	7,557.92	7,482.70	75.22	100.476		
5,800.00	4,982.02	5,130.66	4,558.56	58.71	41.94	36.06	-478.76	9,944.65	7,512.39	7,433.76	78.64	95.534		
5,900.00	5,063.55	5,175.49	4,597.06	59.95	42.37	36.36	-501.54	9,941.60	7,466.17	7,386.10	80.07	93.246		
6,000.00	5,145.08	5,216.98	4,632.80	61.18	42.75	36.64	-522.42	9,938.89	7,420.68	7,339.21	81.47	91.088		
6,100.00	5,226.60	5,259.07	4,669.46	62.42	43.14	36.92	-542.96	9,936.39	7,375.94	7,293.07	82.88	89.001		
6,200.00	5,308.13	5,323.89	4,726.55	63.65	43.72	37.34	-573.45	9,932.91	7,331.90	7,247.38	84.52	86.750		
6,300.00	5,389.66	5,435.11	4,825.45	64.89	44.68	38.06	-623.95	9,926.77	7,288.08	7,201.45	86.63	84.125		
6,400.00	5,471.19	5,489.28	4,873.71	66.12	45.15	38.41	-648.35	9,923.61	7,244.71	7,156.54	88.17	82.164		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 114-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
6,500.00	5,552.72	5,514.43	4,896.00	67.36	45.37	38.58	-659.93	9,922.20	7,202.24	7,112.81	89.42	80.541		
6,600.00	5,634.24	5,545.00	4,922.93	68.59	45.64	38.78	-674.30	9,920.57	7,160.71	7,069.97	90.74	78.916		
6,700.00	5,715.77	5,545.00	4,922.93	69.83	45.64	38.78	-674.30	9,920.57	7,120.18	7,028.46	91.73	77.624		
6,800.00	5,797.30	5,545.00	4,922.93	71.06	45.64	38.78	-674.30	9,920.57	7,080.84	6,988.13	92.71	76.375		
6,900.00	5,878.83	5,593.55	4,965.30	72.30	46.08	39.11	-697.88	9,918.30	7,042.13	6,947.87	94.26	74.707		
7,000.00	5,960.35	5,634.00	5,000.17	73.53	46.46	39.38	-718.33	9,916.77	7,004.86	6,909.13	95.73	73.173		
7,100.00	6,041.88	5,634.00	5,000.17	74.77	46.46	39.38	-718.33	9,916.77	6,968.42	6,871.70	96.72	72.049		
7,200.00	6,123.41	5,668.66	5,029.89	76.01	46.79	39.63	-736.11	9,915.62	6,933.14	6,835.01	98.13	70.652		
7,300.00	6,204.94	5,723.00	5,076.61	77.24	47.30	40.00	-763.81	9,913.91	6,898.71	6,798.91	99.79	69.131		
7,400.00	6,286.46	5,752.74	5,102.18	78.48	47.59	40.21	-778.99	9,913.05	6,865.20	6,764.04	101.15	67.870		
7,500.00	6,367.99	5,781.74	5,127.02	79.71	47.86	40.41	-793.92	9,912.28	6,832.74	6,730.23	102.51	66.657		
7,600.00	6,449.52	5,813.00	5,153.72	80.95	48.16	40.63	-810.16	9,911.53	6,801.35	6,697.46	103.89	65.468		
7,700.00	6,531.05	5,859.57	5,193.48	82.19	48.61	40.96	-834.38	9,910.55	6,770.97	6,665.50	105.47	64.197		
7,800.00	6,612.57	5,932.06	5,255.57	83.42	49.30	41.47	-871.79	9,909.20	6,741.48	6,634.08	107.40	62.771		
7,900.00	6,694.10	6,303.17	5,580.29	84.66	52.65	44.04	-1,050.76	9,897.90	6,711.21	6,598.27	112.94	59.421		
8,000.00	6,775.63	6,350.00	5,621.80	85.89	53.06	44.37	-1,072.35	9,895.95	6,680.61	6,566.08	114.53	58.330		
8,100.00	6,857.16	6,370.06	5,639.59	87.13	53.23	44.51	-1,081.60	9,895.20	6,651.02	6,535.21	115.80	57.434		
8,200.00	6,938.68	6,408.22	5,673.43	88.37	53.56	44.77	-1,099.18	9,893.90	6,622.48	6,505.20	117.28	56.465		
8,300.00	7,020.21	6,559.30	5,807.48	89.60	54.88	45.83	-1,168.61	9,888.04	6,594.53	6,474.40	120.12	54.898		
8,310.57	7,028.83	6,563.71	5,811.38	89.73	54.92	45.86	-1,170.66	9,887.82	6,591.57	6,471.28	120.29	54.798		
8,350.00	7,060.23	6,579.64	5,825.45	90.25	55.06	44.38	-1,178.10	9,887.03	6,579.44	6,458.54	120.91	54.418		
8,400.00	7,097.77	6,598.33	5,841.90	90.98	55.23	43.22	-1,186.90	9,886.08	6,560.89	6,439.19	121.71	53.907		
8,450.00	7,132.48	6,618.00	5,859.19	91.79	55.40	42.75	-1,196.24	9,885.07	6,538.92	6,416.36	122.56	53.354		
8,500.00	7,164.10	6,618.00	5,859.19	92.67	55.40	42.71	-1,196.24	9,885.07	6,513.70	6,390.50	123.20	52.873		
8,550.00	7,192.40	6,644.50	5,882.43	93.63	55.64	43.48	-1,208.89	9,883.71	6,485.34	6,361.15	124.19	52.220		
8,600.00	7,217.15	6,656.29	5,892.77	94.64	55.75	44.70	-1,214.52	9,883.12	6,454.10	6,329.07	125.02	51.623		
8,650.00	7,238.16	6,666.02	5,901.30	95.70	55.83	46.53	-1,219.18	9,882.64	6,420.16	6,294.32	125.84	51.019		
8,700.00	7,255.29	6,673.61	5,907.96	96.80	55.90	49.05	-1,222.81	9,882.26	6,383.77	6,257.13	126.63	50.412		
8,750.00	7,268.39	6,679.00	5,912.68	97.92	55.95	52.40	-1,225.39	9,882.00	6,345.16	6,217.76	127.40	49.806		
8,800.00	7,277.37	6,682.14	5,915.43	99.06	55.98	56.72	-1,226.90	9,881.85	6,304.61	6,176.49	128.12	49.208		
8,850.00	7,282.15	6,682.99	5,916.18	100.20	55.99	62.25	-1,227.30	9,881.81	6,262.39	6,133.58	128.80	48.620		
8,881.61	7,283.00	6,682.33	5,915.60	100.91	55.98	66.47	-1,226.99	9,881.84	6,234.97	6,105.76	129.21	48.256		
8,900.00	7,283.00	6,681.68	5,915.03	101.33	55.97	66.46	-1,226.68	9,881.87	6,218.87	6,089.43	129.44	48.046		
9,000.00	7,283.00	6,678.13	5,911.92	103.59	55.94	66.39	-1,224.98	9,882.04	6,131.59	6,000.89	130.70	46.913		
9,100.00	7,283.00	6,674.55	5,908.78	105.87	55.91	66.33	-1,223.26	9,882.22	6,044.69	5,912.69	132.00	45.792		
9,200.00	7,283.00	6,670.95	5,905.62	108.18	55.88	66.26	-1,221.54	9,882.39	5,958.21	5,824.86	133.35	44.682		
9,300.00	7,283.00	6,667.31	5,902.43	110.50	55.85	66.19	-1,219.80	9,882.57	5,872.15	5,737.42	134.73	43.585		
9,400.00	7,283.00	6,663.64	5,899.22	112.84	55.81	66.12	-1,218.04	9,882.75	5,786.54	5,650.39	136.15	42.501		
9,500.00	7,283.00	6,659.95	5,895.98	115.19	55.78	66.05	-1,216.28	9,882.94	5,701.39	5,563.77	137.62	41.430		
9,600.00	7,283.00	6,656.22	5,892.71	117.56	55.75	65.98	-1,214.49	9,883.12	5,616.73	5,477.60	139.12	40.372		
9,700.00	7,283.00	6,652.46	5,889.41	119.95	55.71	65.91	-1,212.70	9,883.31	5,532.57	5,391.90	140.67	39.329		
9,800.00	7,283.00	6,648.68	5,886.09	122.34	55.68	65.84	-1,210.89	9,883.50	5,448.95	5,306.68	142.27	38.300		
9,900.00	7,283.00	6,644.86	5,882.74	124.76	55.64	65.76	-1,209.06	9,883.69	5,365.89	5,221.98	143.91	37.286		
10,000.00	7,283.00	6,641.01	5,879.37	127.18	55.61	65.69	-1,207.22	9,883.89	5,283.41	5,137.81	145.60	36.288		
10,100.00	7,283.00	6,637.12	5,875.96	129.61	55.57	65.62	-1,205.37	9,884.08	5,201.54	5,054.20	147.33	35.305		
10,200.00	7,283.00	6,633.21	5,872.53	132.06	55.54	65.54	-1,203.50	9,884.28	5,120.31	4,971.19	149.11	34.338		
10,300.00	7,283.00	6,629.26	5,869.06	134.52	55.50	65.47	-1,201.61	9,884.49	5,039.75	4,888.80	150.95	33.388		
10,400.00	7,283.00	6,618.00	5,859.19	136.98	55.40	65.25	-1,196.24	9,885.07	4,959.90	4,807.20	152.69	32.482		
10,500.00	7,283.00	6,618.00	5,859.19	139.46	55.40	65.25	-1,196.24	9,885.07	4,880.78	4,726.08	154.70	31.551		
10,600.00	7,283.00	6,618.00	5,859.19	141.94	55.40	65.25	-1,196.24	9,885.07	4,802.43	4,645.68	156.75	30.638		
10,700.00	7,283.00	6,618.00	5,859.19	144.44	55.40	65.25	-1,196.24	9,885.07	4,724.90	4,566.04	158.86	29.743		
10,800.00	7,283.00	6,618.00	5,859.19	146.94	55.40	65.25	-1,196.24	9,885.07	4,648.23	4,487.21	161.02	28.867		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 114-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,900.00	7,283.00	6,618.00	5,859.19	149.45	55.40	65.25	-1,196.24	9,885.07	4,572.47	4,409.23	163.24	28.011		
11,000.00	7,283.00	6,618.00	5,859.19	151.96	55.40	65.25	-1,196.24	9,885.07	4,497.65	4,332.13	165.51	27.174		
11,100.00	7,283.00	6,600.89	5,844.16	154.49	55.25	64.93	-1,188.11	9,885.95	4,423.77	4,256.28	167.49	26.413		
11,200.00	7,283.00	6,597.65	5,841.31	157.01	55.22	64.87	-1,186.58	9,886.12	4,350.97	4,181.17	169.79	25.625		
11,300.00	7,283.00	6,594.43	5,838.48	159.55	55.19	64.81	-1,185.05	9,886.28	4,279.26	4,107.11	172.15	24.858		
11,400.00	7,283.00	6,591.23	5,835.66	162.09	55.16	64.75	-1,183.54	9,886.44	4,208.70	4,034.15	174.55	24.111		
11,500.00	7,283.00	6,588.04	5,832.85	164.64	55.14	64.69	-1,182.04	9,886.60	4,139.35	3,962.35	177.01	23.385		
11,600.00	7,283.00	6,584.88	5,830.06	167.19	55.11	64.63	-1,180.55	9,886.76	4,071.28	3,891.77	179.50	22.681		
11,700.00	7,283.00	6,581.72	5,827.28	169.75	55.08	64.57	-1,179.07	9,886.92	4,004.54	3,822.49	182.05	21.997		
11,800.00	7,283.00	6,578.59	5,824.52	172.31	55.05	64.51	-1,177.60	9,887.08	3,939.20	3,754.57	184.63	21.336		
11,900.00	7,283.00	6,575.47	5,821.77	174.88	55.03	64.45	-1,176.15	9,887.24	3,875.34	3,688.09	187.25	20.696		
12,000.00	7,283.00	6,572.37	5,819.03	177.45	55.00	64.39	-1,174.70	9,887.39	3,813.02	3,623.13	189.90	20.079		
12,100.00	7,283.00	6,569.29	5,816.31	180.03	54.97	64.33	-1,173.26	9,887.55	3,752.34	3,559.76	192.58	19.485		
12,200.00	7,283.00	6,566.22	5,813.60	182.61	54.94	64.27	-1,171.83	9,887.70	3,693.36	3,498.08	195.28	18.913		
12,300.00	7,283.00	6,563.17	5,810.90	185.19	54.92	64.21	-1,170.41	9,887.85	3,636.17	3,438.17	198.00	18.365		
12,400.00	7,283.00	6,560.13	5,808.22	187.78	54.89	64.15	-1,168.99	9,888.00	3,580.85	3,380.12	200.73	17.839		
12,500.00	7,283.00	6,557.12	5,805.55	190.37	54.86	64.10	-1,167.59	9,888.15	3,527.50	3,324.04	203.46	17.338		
12,600.00	7,283.00	6,554.11	5,802.89	192.97	54.84	64.04	-1,166.20	9,888.30	3,476.20	3,270.02	206.19	16.860		
12,700.00	7,283.00	6,551.13	5,800.25	195.57	54.81	63.98	-1,164.82	9,888.44	3,427.05	3,218.15	208.90	16.405		
12,800.00	7,283.00	6,548.15	5,797.62	198.17	54.78	63.93	-1,163.45	9,888.59	3,380.14	3,168.55	211.59	15.975		
12,900.00	7,283.00	6,529.00	5,780.63	200.77	54.61	63.56	-1,154.64	9,889.52	3,335.63	3,121.88	213.75	15.605		
13,000.00	7,283.00	6,529.00	5,780.63	203.38	54.61	63.56	-1,154.64	9,889.52	3,293.47	3,077.02	216.44	15.216		
13,100.00	7,283.00	6,529.00	5,780.63	205.99	54.61	63.56	-1,154.64	9,889.52	3,253.83	3,034.74	219.09	14.852		
13,200.00	7,283.00	6,527.16	5,779.00	208.61	54.60	63.53	-1,153.80	9,889.59	3,216.81	2,995.20	221.61	14.516		
13,300.00	7,283.00	6,540.03	5,790.42	211.22	54.71	63.77	-1,159.68	9,888.98	3,182.49	2,957.95	224.54	14.174		
13,400.00	7,283.00	6,532.91	5,784.10	213.84	54.65	63.64	-1,156.43	9,889.33	3,151.00	2,924.27	226.73	13.898		
13,500.00	7,283.00	6,526.21	5,778.15	216.47	54.59	63.51	-1,153.36	9,889.65	3,122.38	2,893.55	228.83	13.645		
13,600.00	7,283.00	6,519.89	5,772.54	219.09	54.54	63.39	-1,150.47	9,889.95	3,096.72	2,865.88	230.84	13.415		
13,700.00	7,283.00	6,513.92	5,767.25	221.72	54.48	63.27	-1,147.73	9,890.22	3,074.09	2,841.36	232.73	13.209		
13,800.00	7,283.00	6,508.28	5,762.24	224.34	54.43	63.17	-1,145.15	9,890.47	3,054.56	2,820.05	234.51	13.026		
13,900.00	7,283.00	6,502.93	5,757.49	226.97	54.39	63.07	-1,142.70	9,890.70	3,038.19	2,802.03	236.15	12.865		
14,000.00	7,283.00	6,497.85	5,752.98	229.61	54.34	62.97	-1,140.37	9,890.91	3,025.03	2,787.36	237.67	12.728		
14,100.00	7,283.00	6,493.03	5,748.71	232.24	54.30	62.88	-1,138.16	9,891.11	3,015.12	2,776.08	239.04	12.613		
14,200.00	7,283.00	6,488.45	5,744.64	234.88	54.26	62.79	-1,136.06	9,891.29	3,008.50	2,768.23	240.27	12.521		
14,300.00	7,283.00	6,484.08	5,740.76	237.52	54.22	62.71	-1,134.06	9,891.46	3,005.19	2,763.83	241.36	12.451		
14,349.71	7,283.00	6,481.99	5,738.90	238.83	54.21	62.67	-1,133.09	9,891.54	3,004.78	2,762.94	241.84	12.425 CC		
14,400.00	7,283.00	6,479.92	5,737.06	240.16	54.19	62.63	-1,132.14	9,891.62	3,005.20	2,762.91	242.29	12.403		
14,500.00	7,283.00	6,475.95	5,733.54	242.80	54.15	62.55	-1,130.32	9,891.76	3,008.53	2,765.46	243.07	12.377		
14,600.00	7,283.00	6,472.15	5,730.16	245.44	54.12	62.48	-1,128.58	9,891.90	3,015.17	2,771.47	243.70	12.372		
14,700.00	7,283.00	6,468.52	5,726.94	248.09	54.09	62.41	-1,126.91	9,892.03	3,025.10	2,780.91	244.18	12.389		
14,800.00	7,283.00	6,465.04	5,723.85	250.74	54.06	62.34	-1,125.31	9,892.15	3,038.28	2,793.77	244.51	12.426		
14,900.00	7,283.00	6,461.71	5,720.90	253.38	54.03	62.28	-1,123.78	9,892.26	3,054.68	2,809.99	244.69	12.484		
15,000.00	7,283.00	6,458.51	5,718.06	256.03	54.00	62.22	-1,122.31	9,892.37	3,074.25	2,829.52	244.73	12.562		
15,100.00	7,283.00	6,455.44	5,715.33	258.69	53.98	62.16	-1,120.90	9,892.47	3,096.91	2,852.29	244.62	12.660		
15,200.00	7,283.00	6,452.49	5,712.72	261.34	53.95	62.10	-1,119.55	9,892.56	3,122.62	2,878.24	244.38	12.778		
15,300.00	7,283.00	6,449.66	5,710.20	263.99	53.93	62.05	-1,118.24	9,892.65	3,151.28	2,907.28	244.00	12.915		
15,400.00	7,283.00	6,446.93	5,707.78	266.65	53.90	62.00	-1,116.99	9,892.73	3,182.83	2,939.34	243.49	13.072		
15,500.00	7,283.00	6,446.17	5,707.10	269.31	53.89	61.98	-1,116.64	9,892.76	3,217.17	2,974.23	242.94	13.243		
15,600.00	7,283.00	6,442.62	5,703.95	271.96	53.86	61.92	-1,115.01	9,892.86	3,254.23	3,012.07	242.15	13.439		
15,700.00	7,283.00	8,775.86	6,822.34	274.62	67.03	84.82	-1,731.90	11,204.09	3,283.89	2,966.22	317.67	10.337		
15,800.00	7,283.00	8,893.62	6,819.62	277.28	67.77	84.78	-1,732.62	11,321.82	3,284.89	2,962.25	322.64	10.181		
15,900.00	7,283.00	8,988.81	6,817.72	279.94	68.47	84.75	-1,732.71	11,416.99	3,285.34	2,958.17	327.18	10.041		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 114-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
16,000.00	7,283.00	9,066.89	6,818.02	282.61	69.12	84.75	-1,733.60	11,495.06	3,286.58	2,955.20	331.38	9.918		
16,100.00	7,283.00	9,184.33	6,819.94	285.27	70.23	84.79	-1,735.10	11,612.47	3,287.88	2,951.30	336.58	9.769		
16,200.00	7,283.00	9,278.99	6,820.14	287.94	71.24	84.79	-1,735.77	11,707.12	3,288.74	2,947.46	341.28	9.637		
16,300.00	7,283.00	9,407.15	6,818.27	290.60	72.77	84.76	-1,736.41	11,835.27	3,289.57	2,942.75	346.82	9.485		
16,400.00	7,283.00	9,503.44	6,817.80	293.27	74.03	84.75	-1,736.42	11,931.56	3,289.79	2,938.14	351.65	9.355		
16,500.00	7,283.00	9,592.09	6,818.53	295.94	75.30	84.77	-1,736.93	12,020.20	3,290.44	2,934.11	356.33	9.234		
16,600.00	7,283.00	9,720.45	6,820.16	298.60	77.28	84.80	-1,736.89	12,148.55	3,290.39	2,928.37	362.02	9.089		
16,689.94	7,283.00	9,804.67	6,819.74	301.01	78.66	84.79	-1,736.63	12,232.77	3,290.30	2,923.91	366.39	8.980		
16,700.00	7,283.00	9,814.05	6,819.72	301.27	78.82	84.79	-1,736.62	12,242.15	3,290.31	2,923.43	366.88	8.968		
16,800.00	7,283.00	9,923.82	6,819.10	303.94	80.73	84.78	-1,736.32	12,351.91	3,290.26	2,918.10	372.15	8.841		
16,900.00	7,283.00	10,127.28	6,816.09	306.62	84.47	84.72	-1,731.33	12,555.28	3,287.82	2,908.28	379.54	8.663		
17,000.00	7,283.00	10,167.80	6,815.87	309.29	85.26	84.71	-1,730.39	12,595.79	3,285.47	2,902.15	383.32	8.571		
17,100.00	7,283.00	10,238.11	6,816.04	311.96	86.65	84.71	-1,729.67	12,666.10	3,284.51	2,896.77	387.73	8.471		
17,200.00	7,283.00	10,344.43	6,815.53	314.63	88.82	84.70	-1,728.57	12,772.41	3,283.68	2,890.68	393.01	8.355		
17,300.00	7,283.00	10,419.43	6,814.96	317.31	90.39	84.69	-1,727.85	12,847.40	3,283.01	2,885.48	397.54	8.258		
17,311.41	7,283.00	10,426.26	6,814.95	317.61	90.54	84.69	-1,727.83	12,854.23	3,283.00	2,884.99	398.01	8.249		
17,400.00	7,283.00	10,488.39	6,815.32	319.98	91.87	84.70	-1,728.12	12,916.36	3,283.46	2,881.55	401.91	8.170		
17,500.00	7,283.00	10,611.29	6,816.43	322.66	94.56	84.72	-1,728.67	13,039.25	3,284.01	2,876.33	407.68	8.055		
17,600.00	7,283.00	10,758.11	6,817.57	325.34	97.83	84.74	-1,727.34	13,186.06	3,283.10	2,869.09	414.01	7.930		
17,700.00	7,283.00	10,826.00	6,817.44	328.01	99.36	84.74	-1,726.75	13,253.95	3,282.37	2,863.95	418.43	7.845		
17,719.45	7,283.00	10,834.26	6,817.38	328.54	99.55	84.73	-1,726.73	13,262.21	3,282.35	2,863.19	419.16	7.831		
17,800.00	7,283.00	10,900.16	6,816.68	330.69	101.06	84.72	-1,726.70	13,328.10	3,282.53	2,859.56	422.98	7.761		
17,900.00	7,283.00	11,056.04	6,814.23	333.37	104.68	84.68	-1,725.33	13,483.95	3,281.87	2,852.32	429.55	7.640		
18,000.00	7,283.00	11,131.63	6,812.93	336.05	106.45	84.65	-1,724.27	13,559.53	3,280.85	2,846.68	434.17	7.557		
18,042.50	7,283.00	11,157.41	6,812.77	337.19	107.06	84.65	-1,724.15	13,585.30	3,280.74	2,844.77	435.98	7.525		
18,100.00	7,283.00	11,194.98	6,812.86	338.73	107.95	84.65	-1,724.23	13,622.87	3,280.94	2,842.46	438.47	7.483		
18,200.00	7,283.00	11,282.87	6,812.99	341.41	110.06	84.66	-1,724.91	13,710.76	3,281.84	2,838.44	443.40	7.402		
18,300.00	7,283.00	11,514.28	6,813.39	344.09	115.62	84.66	-1,721.41	13,942.12	3,280.04	2,828.24	451.81	7.260		
18,400.00	7,283.00	11,638.54	6,814.16	346.77	118.61	84.66	-1,716.94	14,066.30	3,276.56	2,818.99	457.57	7.161		
18,500.00	7,283.00	11,677.34	6,814.29	349.46	119.56	84.67	-1,715.86	14,105.09	3,273.80	2,812.30	461.50	7.094		
18,600.00	7,283.00	11,854.83	6,815.36	352.14	123.90	84.68	-1,711.10	14,282.49	3,271.64	2,803.21	468.42	6.984		
18,700.00	7,283.00	11,924.29	6,815.22	354.82	125.60	84.67	-1,708.17	14,351.89	3,267.69	2,794.62	473.06	6.908		
18,800.00	7,283.00	11,993.50	6,814.72	357.51	127.31	84.66	-1,706.14	14,421.07	3,264.95	2,787.28	477.66	6.835		
18,900.00	7,283.00	12,096.91	6,814.34	360.19	129.88	84.65	-1,703.43	14,524.45	3,262.53	2,779.52	483.01	6.755		
19,000.00	7,283.00	12,221.39	6,813.85	362.88	132.98	84.63	-1,699.67	14,648.86	3,259.75	2,770.94	488.81	6.669		
19,100.00	7,283.00	12,315.00	6,812.61	365.56	135.32	84.61	-1,696.25	14,742.40	3,256.41	2,762.46	493.95	6.593		
19,199.64	7,283.00	12,315.00	6,812.61	368.24	135.32	84.61	-1,696.25	14,742.40	3,254.88	2,758.01	496.87	6.551		
19,200.00	7,283.00	12,315.00	6,812.61	368.25	135.32	84.61	-1,696.25	14,742.40	3,254.88	2,758.00	496.88	6.551		
19,247.68	7,283.00	12,315.00	6,812.61	369.53	135.32	84.61	-1,696.25	14,742.40	3,255.24	2,757.11	498.13	6.535 ES, SF		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 524-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
6,500.00	5,552.72	5,724.04	5,644.65	67.36	23.77	26.31	904.75	13,002.82	10,054.00	9,997.11	56.88	176.751		
6,600.00	5,634.24	5,775.00	5,695.59	68.59	23.94	26.41	903.79	13,001.54	9,998.02	9,940.24	57.78	173.033		
6,700.00	5,715.77	5,775.00	5,695.59	69.83	23.94	26.41	903.79	13,001.54	9,942.32	9,883.76	58.56	169.770		
6,800.00	5,797.30	5,834.79	5,755.36	71.06	24.13	26.52	903.14	13,000.43	9,887.08	9,827.60	59.49	166.209		
6,900.00	5,878.83	5,879.60	5,800.16	72.30	24.27	26.60	902.70	12,999.69	9,832.08	9,771.70	60.38	162.837		
7,000.00	5,960.35	5,946.90	5,867.46	73.53	24.48	26.73	902.11	12,998.78	9,777.35	9,716.02	61.33	159.425		
7,100.00	6,041.88	5,997.94	5,918.49	74.77	24.64	26.82	901.72	12,998.25	9,722.89	9,660.64	62.25	156.199		
7,200.00	6,123.41	6,057.55	5,978.10	76.01	24.82	26.94	901.32	12,997.76	9,668.68	9,605.49	63.19	153.013		
7,300.00	6,204.94	6,119.31	6,039.86	77.24	25.01	27.05	900.98	12,997.39	9,614.69	9,550.55	64.14	149.901		
7,400.00	6,286.46	6,201.61	6,122.15	78.48	25.26	27.21	900.72	12,996.97	9,560.82	9,495.68	65.14	146.777		
7,500.00	6,367.99	6,259.98	6,180.52	79.71	25.43	27.32	900.69	12,996.75	9,507.10	9,441.02	66.09	143.860		
7,600.00	6,449.52	6,336.82	6,257.37	80.95	25.65	27.47	900.78	12,996.61	9,453.59	9,386.52	67.07	140.950		
7,700.00	6,531.05	6,419.10	6,339.64	82.19	25.90	27.62	900.93	12,996.42	9,400.09	9,332.02	68.07	138.089		
7,800.00	6,612.57	6,495.99	6,416.54	83.42	26.13	27.77	900.93	12,996.28	9,346.69	9,277.62	69.08	135.310		
7,900.00	6,694.10	6,585.03	6,505.58	84.66	26.40	27.95	900.93	12,996.11	9,293.35	9,223.24	70.11	132.551		
8,000.00	6,775.63	6,675.30	6,595.84	85.89	26.67	28.13	900.96	12,995.82	9,239.95	9,168.79	71.15	129.858		
8,100.00	6,857.16	6,750.34	6,670.88	87.13	26.90	28.28	900.98	12,995.57	9,186.60	9,114.42	72.17	127.284		
8,200.00	6,938.68	6,824.99	6,745.53	88.37	27.13	28.43	900.97	12,995.41	9,133.40	9,060.20	73.20	124.774		
8,300.00	7,020.21	6,908.84	6,829.38	89.60	27.38	28.60	901.07	12,995.19	9,080.22	9,005.98	74.24	122.303		
8,310.57	7,028.83	6,915.05	6,835.59	89.73	27.40	28.62	901.09	12,995.18	9,074.61	9,000.26	74.35	122.055		
8,350.00	7,060.23	6,937.72	6,858.26	90.25	27.47	28.80	901.18	12,995.15	9,052.57	8,977.82	74.74	121.119		
8,400.00	7,097.77	6,974.80	6,895.34	90.98	27.58	25.14	901.39	12,995.15	9,021.54	8,946.29	75.25	119.887		
8,450.00	7,132.48	6,995.66	6,916.20	91.79	27.63	24.01	901.54	12,995.17	8,987.26	8,911.54	75.72	118.690		
8,500.00	7,164.10	7,027.06	6,947.60	92.67	27.72	23.39	901.78	12,995.20	8,949.97	8,873.78	76.19	117.468		
8,550.00	7,192.40	7,055.17	6,975.71	93.63	27.80	23.23	902.01	12,995.23	8,909.95	8,833.31	76.63	116.268		
8,600.00	7,217.15	7,060.40	6,980.94	94.64	27.82	23.50	902.06	12,995.23	8,867.51	8,790.50	77.01	115.146		
8,650.00	7,238.16	7,083.74	7,004.27	95.70	27.88	24.48	902.25	12,995.28	8,822.97	8,745.59	77.38	114.018		
8,700.00	7,255.29	7,093.67	7,014.21	96.80	27.91	26.36	902.31	12,995.32	8,776.67	8,698.97	77.70	112.962		
8,750.00	7,268.39	7,101.34	7,021.87	97.92	27.93	29.92	902.36	12,995.35	8,728.95	8,650.99	77.96	111.964		
8,800.00	7,277.37	7,106.65	7,027.19	99.06	27.94	37.27	902.40	12,995.37	8,680.16	8,601.98	78.18	111.028		
8,850.00	7,282.15	7,109.57	7,030.10	100.20	27.95	56.38	902.41	12,995.39	8,630.66	8,552.32	78.35	110.160		
8,881.61	7,283.00	7,110.15	7,030.68	100.91	27.95	86.39	902.42	12,995.39	8,599.18	8,520.76	78.42	109.650		
8,900.00	7,283.00	7,110.20	7,030.74	101.33	27.95	86.39	902.42	12,995.39	8,580.84	8,502.37	78.46	109.361		
9,000.00	7,283.00	7,110.50	7,031.04	103.59	27.95	86.42	902.42	12,995.39	8,481.12	8,402.44	78.68	107.795		
9,100.00	7,283.00	7,110.80	7,031.34	105.87	27.95	86.45	902.42	12,995.39	8,381.41	8,302.51	78.90	106.230		
9,200.00	7,283.00	7,111.11	7,031.64	108.18	27.96	86.48	902.42	12,995.39	8,281.70	8,202.58	79.12	104.667		
9,300.00	7,283.00	7,111.41	7,031.95	110.50	27.96	86.50	902.42	12,995.40	8,182.01	8,102.65	79.36	103.104		
9,400.00	7,283.00	7,111.72	7,032.26	112.84	27.96	86.53	902.42	12,995.40	8,082.32	8,002.72	79.60	101.542		
9,500.00	7,283.00	7,112.04	7,032.57	115.19	27.96	86.56	902.43	12,995.40	7,982.63	7,902.79	79.84	99.982		
9,600.00	7,283.00	7,112.35	7,032.89	117.56	27.96	86.59	902.43	12,995.40	7,882.96	7,802.87	80.09	98.424		
9,700.00	7,283.00	7,112.67	7,033.21	119.95	27.96	86.61	902.43	12,995.40	7,783.30	7,702.94	80.35	96.866		
9,800.00	7,283.00	7,112.99	7,033.53	122.34	27.96	86.64	902.43	12,995.40	7,683.64	7,603.02	80.62	95.311		
9,900.00	7,283.00	7,113.32	7,033.86	124.76	27.96	86.67	902.43	12,995.41	7,583.99	7,503.10	80.89	93.756		
10,000.00	7,283.00	7,113.65	7,034.18	127.18	27.96	86.70	902.43	12,995.41	7,484.35	7,403.18	81.17	92.204		
10,100.00	7,283.00	7,113.98	7,034.52	129.61	27.96	86.73	902.44	12,995.41	7,384.72	7,303.26	81.46	90.653		
10,200.00	7,283.00	7,114.32	7,034.85	132.06	27.96	86.76	902.44	12,995.41	7,285.10	7,203.34	81.76	89.104		
10,300.00	7,283.00	7,114.65	7,035.19	134.52	27.97	86.79	902.44	12,995.41	7,185.50	7,103.43	82.07	87.557		
10,400.00	7,283.00	7,115.00	7,035.53	136.98	27.97	86.82	902.44	12,995.41	7,085.90	7,003.52	82.38	86.012		
10,500.00	7,283.00	7,115.34	7,035.88	139.46	27.97	86.85	902.44	12,995.42	6,986.31	6,903.60	82.71	84.469		
10,600.00	7,283.00	7,115.69	7,036.23	141.94	27.97	86.88	902.45	12,995.42	6,886.74	6,803.69	83.04	82.928		
10,700.00	7,283.00	7,116.04	7,036.58	144.44	27.97	86.92	902.45	12,995.42	6,787.18	6,703.79	83.39	81.389		
10,800.00	7,283.00	7,116.40	7,036.93	146.94	27.97	86.95	902.45	12,995.42	6,687.63	6,603.88	83.75	79.853		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 524-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,900.00	7,283.00	7,116.76	7,037.29	149.45	27.97	86.98	902.45	12,995.42	6,588.10	6,503.98	84.12	78.319		
11,000.00	7,283.00	7,117.12	7,037.66	151.96	27.97	87.01	902.45	12,995.43	6,488.58	6,404.08	84.50	76.788		
11,100.00	7,283.00	7,117.49	7,038.02	154.49	27.97	87.05	902.46	12,995.43	6,389.07	6,304.18	84.89	75.260		
11,200.00	7,283.00	7,117.86	7,038.39	157.01	27.97	87.08	902.46	12,995.43	6,289.58	6,204.28	85.30	73.734		
11,300.00	7,283.00	7,118.23	7,038.77	159.55	27.98	87.11	902.46	12,995.43	6,190.11	6,104.39	85.72	72.211		
11,400.00	7,283.00	7,118.61	7,039.15	162.09	27.98	87.15	902.46	12,995.43	6,090.65	6,004.49	86.16	70.691		
11,500.00	7,283.00	7,118.99	7,039.53	164.64	27.98	87.18	902.46	12,995.44	5,991.21	5,904.60	86.61	69.175		
11,600.00	7,283.00	7,119.38	7,039.91	167.19	27.98	87.21	902.47	12,995.44	5,891.80	5,804.72	87.08	67.661		
11,700.00	7,283.00	7,119.77	7,040.31	169.75	27.98	87.25	902.47	12,995.44	5,792.40	5,704.83	87.56	66.151		
11,800.00	7,283.00	7,120.16	7,040.70	172.31	27.98	87.28	902.47	12,995.44	5,693.02	5,604.95	88.07	64.645		
11,900.00	7,283.00	7,120.56	7,041.10	174.88	27.98	87.32	902.47	12,995.45	5,593.66	5,505.08	88.59	63.143		
12,000.00	7,283.00	7,120.97	7,041.50	177.45	27.98	87.36	902.47	12,995.45	5,494.33	5,405.20	89.13	61.644		
12,100.00	7,283.00	7,121.38	7,041.91	180.03	27.98	87.39	902.48	12,995.45	5,395.02	5,305.33	89.69	60.149		
12,200.00	7,283.00	7,121.79	7,042.32	182.61	27.99	87.43	902.48	12,995.45	5,295.74	5,205.46	90.28	58.659		
12,300.00	7,283.00	7,122.20	7,042.74	185.19	27.99	87.47	902.48	12,995.46	5,196.49	5,105.60	90.89	57.174		
12,400.00	7,283.00	7,122.63	7,043.16	187.78	27.99	87.50	902.48	12,995.46	5,097.26	5,005.74	91.52	55.693		
12,500.00	7,283.00	7,123.05	7,043.59	190.37	27.99	87.54	902.48	12,995.46	4,998.07	4,905.88	92.19	54.217		
12,600.00	7,283.00	7,123.48	7,044.02	192.97	27.99	87.58	902.49	12,995.46	4,898.91	4,806.03	92.88	52.746		
12,700.00	7,283.00	7,123.92	7,044.45	195.57	27.99	87.62	902.49	12,995.47	4,799.78	4,706.18	93.60	51.280		
12,800.00	7,283.00	7,124.36	7,044.90	198.17	27.99	87.66	902.49	12,995.47	4,700.69	4,606.34	94.35	49.820		
12,900.00	7,283.00	7,124.81	7,045.34	200.77	27.99	87.70	902.49	12,995.47	4,601.64	4,506.50	95.14	48.366		
13,000.00	7,283.00	7,125.26	7,045.79	203.38	28.00	87.74	902.49	12,995.48	4,502.63	4,406.66	95.97	46.919		
13,100.00	7,283.00	7,125.71	7,046.25	205.99	28.00	87.78	902.50	12,995.48	4,403.67	4,306.84	96.83	45.478		
13,200.00	7,283.00	7,126.17	7,046.71	208.61	28.00	87.82	902.50	12,995.48	4,304.75	4,207.01	97.74	44.044		
13,300.00	7,283.00	7,126.64	7,047.18	211.22	28.00	87.86	902.50	12,995.48	4,205.89	4,107.20	98.69	42.617		
13,400.00	7,283.00	7,127.11	7,047.65	213.84	28.00	87.91	902.50	12,995.49	4,107.08	4,007.38	99.69	41.198		
13,500.00	7,283.00	7,127.59	7,048.13	216.47	28.00	87.95	902.50	12,995.49	4,008.32	3,907.58	100.74	39.787		
13,600.00	7,283.00	7,128.08	7,048.61	219.09	28.00	87.99	902.51	12,995.49	3,909.64	3,807.78	101.85	38.385		
13,700.00	7,283.00	7,128.56	7,049.10	221.72	28.00	88.04	902.51	12,995.50	3,811.02	3,707.99	103.03	36.991		
13,800.00	7,283.00	7,129.06	7,049.60	224.34	28.01	88.08	902.51	12,995.50	3,712.47	3,608.21	104.26	35.607		
13,900.00	7,283.00	7,129.56	7,050.10	226.97	28.01	88.13	902.51	12,995.50	3,614.01	3,508.44	105.57	34.234		
14,000.00	7,283.00	7,130.07	7,050.60	229.61	28.01	88.17	902.52	12,995.51	3,515.63	3,408.67	106.95	32.871		
14,100.00	7,283.00	7,130.58	7,051.12	232.24	28.01	88.22	902.52	12,995.51	3,417.34	3,308.92	108.42	31.519		
14,200.00	7,283.00	7,131.10	7,051.64	234.88	28.01	88.26	902.52	12,995.51	3,319.16	3,209.18	109.98	30.179		
14,300.00	7,283.00	7,131.63	7,052.16	237.52	28.01	88.31	902.52	12,995.52	3,221.09	3,109.45	111.64	28.852		
14,400.00	7,283.00	7,132.16	7,052.70	240.16	28.01	88.36	902.53	12,995.52	3,123.14	3,009.73	113.41	27.538		
14,500.00	7,283.00	7,132.70	7,053.24	242.80	28.02	88.41	902.53	12,995.52	3,025.32	2,910.03	115.30	26.239		
14,600.00	7,283.00	7,133.25	7,053.78	245.44	28.02	88.46	902.53	12,995.53	2,927.66	2,810.34	117.32	24.955		
14,700.00	7,283.00	7,133.80	7,054.34	248.09	28.02	88.51	902.53	12,995.53	2,830.15	2,710.67	119.48	23.687		
14,800.00	7,283.00	7,134.36	7,054.90	250.74	28.02	88.56	902.53	12,995.54	2,732.83	2,611.03	121.80	22.437		
14,900.00	7,283.00	7,134.93	7,055.47	253.38	28.02	88.61	902.54	12,995.54	2,635.70	2,511.40	124.30	21.204		
15,000.00	7,283.00	7,135.51	7,056.04	256.03	28.02	88.66	902.54	12,995.54	2,538.80	2,411.81	126.99	19.992		
15,100.00	7,283.00	7,136.09	7,056.62	258.69	28.03	88.71	902.54	12,995.55	2,442.15	2,312.25	129.90	18.800		
15,200.00	7,283.00	7,136.68	7,057.21	261.34	28.03	88.76	902.54	12,995.55	2,345.78	2,212.72	133.06	17.630		
15,300.00	7,283.00	7,137.28	7,057.81	263.99	28.03	88.82	902.55	12,995.56	2,249.73	2,113.24	136.48	16.484		
15,400.00	7,283.00	7,137.88	7,058.42	266.65	28.03	88.87	902.55	12,995.56	2,154.03	2,013.82	140.21	15.363		
15,500.00	7,283.00	7,138.50	7,059.03	269.31	28.03	88.93	902.55	12,995.57	2,058.74	1,914.46	144.29	14.268		
15,600.00	7,283.00	7,139.12	7,059.65	271.96	28.03	88.98	902.55	12,995.57	1,963.93	1,815.18	148.75	13.203		
15,700.00	7,283.00	7,139.75	7,060.29	274.62	28.04	89.04	902.56	12,995.58	1,869.65	1,716.00	153.65	12.168		
15,800.00	7,283.00	7,140.30	7,060.83	277.28	28.05	89.63	902.58	12,995.63	1,776.01	1,616.98	159.02	11.168		
15,900.00	7,283.00	7,140.30	7,060.83	279.94	28.05	89.63	902.58	12,995.63	1,683.08	1,518.09	165.00	10.201		
16,000.00	7,283.00	7,140.30	7,060.83	282.61	28.05	89.63	902.58	12,995.63	1,591.02	1,419.40	171.62	9.271		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 1-T4N-R68W - EXIST DD QUARTER CIRCLE S 1-7JI - Wellbore #1 - Wellbore #1												Offset Site Error:	0.00 usft
Survey Program: 524-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
16,100.00	7,283.00	7,146.30	7,066.83	285.27	28.05	89.63	902.58	12,995.63	1,499.97	1,320.98	178.99	8.380	
16,200.00	7,283.00	7,146.30	7,066.83	287.94	28.05	89.63	902.58	12,995.63	1,410.13	1,222.93	187.21	7.532	
16,300.00	7,283.00	7,146.30	7,066.83	290.60	28.05	89.63	902.58	12,995.63	1,321.76	1,125.36	196.40	6.730	
16,400.00	7,283.00	7,146.30	7,066.83	293.27	28.05	89.63	902.58	12,995.63	1,235.16	1,028.47	206.69	5.976	
16,500.00	7,283.00	7,146.30	7,066.83	295.94	28.05	89.63	902.58	12,995.63	1,150.73	932.52	218.21	5.273	
16,600.00	7,283.00	7,146.30	7,066.83	298.60	28.05	89.63	902.58	12,995.63	1,068.99	837.89	231.10	4.626	
16,700.00	7,283.00	7,146.59	7,067.13	301.27	28.05	89.65	902.58	12,995.63	990.61	745.18	245.43	4.036	
16,800.00	7,283.00	7,147.40	7,067.93	303.94	28.06	89.72	902.58	12,995.63	916.45	655.26	261.19	3.509	
16,900.00	7,283.00	7,148.20	7,068.73	306.62	28.06	89.80	902.59	12,995.64	847.61	569.42	278.20	3.047	
17,000.00	7,283.00	7,148.99	7,069.53	309.29	28.06	89.87	902.59	12,995.65	785.50	489.56	295.94	2.654	
17,100.00	7,283.00	7,149.79	7,070.32	311.96	28.06	89.94	902.59	12,995.65	731.83	418.39	313.44	2.335	
17,200.00	7,283.00	7,150.58	7,071.11	314.63	28.07	90.01	902.59	12,995.66	688.58	359.45	329.12	2.092	
17,300.00	7,283.00	7,151.37	7,071.90	317.31	28.07	90.08	902.60	12,995.67	657.80	316.90	340.90	1.930	
17,400.00	7,283.00	7,152.16	7,072.69	319.98	28.07	90.15	902.60	12,995.67	641.29	294.67	346.62	1.850	
17,457.21	7,283.00	7,152.60	7,073.14	321.52	28.07	90.19	902.60	12,995.68	638.74	292.14	346.59	1.843 CC, ES, SF	
17,500.00	7,283.00	7,152.94	7,073.47	322.66	28.07	90.22	902.60	12,995.68	640.17	295.24	344.93	1.856	
17,600.00	7,283.00	7,153.72	7,074.26	325.34	28.07	90.29	902.61	12,995.69	654.50	318.59	335.91	1.948	
17,700.00	7,283.00	7,154.50	7,075.04	328.01	28.08	90.36	902.61	12,995.69	683.32	362.24	321.08	2.128	
17,800.00	7,283.00	7,155.28	7,075.81	330.69	28.08	90.43	902.61	12,995.70	724.90	422.20	302.70	2.395	
17,900.00	7,283.00	7,156.05	7,076.59	333.37	28.08	90.50	902.61	12,995.70	777.20	494.27	282.93	2.747	
18,000.00	7,283.00	7,156.82	7,077.36	336.05	28.08	90.57	902.62	12,995.71	838.21	574.87	263.33	3.183	
18,100.00	7,283.00	7,157.59	7,078.13	338.73	28.08	90.64	902.62	12,995.72	906.17	661.30	244.87	3.701	
18,200.00	7,283.00	7,158.36	7,078.90	341.41	28.09	90.71	902.62	12,995.72	979.64	751.65	227.99	4.297	
18,300.00	7,283.00	7,159.13	7,079.66	344.09	28.09	90.78	902.62	12,995.73	1,057.47	844.65	212.81	4.969	
18,400.00	7,283.00	7,159.89	7,080.42	346.77	28.09	90.85	902.63	12,995.73	1,138.76	939.46	199.30	5.714	
18,500.00	7,283.00	7,160.65	7,081.18	349.46	28.09	90.91	902.63	12,995.74	1,222.84	1,035.50	187.33	6.528	
18,600.00	7,283.00	7,161.41	7,081.94	352.14	28.10	90.98	902.63	12,995.75	1,309.15	1,132.41	176.74	7.407	
18,700.00	7,283.00	7,162.16	7,082.69	354.82	28.10	91.05	902.63	12,995.75	1,397.29	1,229.93	167.36	8.349	
18,800.00	7,283.00	7,162.91	7,083.45	357.51	28.10	91.12	902.64	12,995.76	1,486.93	1,327.89	159.04	9.349	
18,900.00	7,283.00	7,163.66	7,084.20	360.19	28.10	91.18	902.64	12,995.76	1,577.82	1,426.17	151.64	10.405	
19,000.00	7,283.00	7,164.41	7,084.95	362.88	28.10	91.25	902.64	12,995.77	1,669.74	1,524.69	145.05	11.511	
19,100.00	7,283.00	7,165.16	7,085.69	365.56	28.11	91.32	902.64	12,995.77	1,762.55	1,623.39	139.16	12.665	
19,200.00	7,283.00	7,165.90	7,086.44	368.25	28.11	91.38	902.64	12,995.78	1,856.10	1,722.22	133.88	13.864	
19,247.68	7,283.00	7,166.25	7,086.79	369.53	28.11	91.42	902.65	12,995.78	1,900.94	1,769.38	131.56	14.450	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 692-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,850.00	7,282.15	7,186.25	7,067.71	100.20	30.00	54.62	916.24	14,431.62	10,062.73	9,985.61	77.12	130.484		
8,881.61	7,283.00	7,187.34	7,068.80	100.91	30.00	89.80	916.24	14,431.62	10,031.21	9,954.03	77.18	129.967		
8,900.00	7,283.00	7,187.36	7,068.81	101.33	30.00	89.80	916.24	14,431.62	10,012.85	9,935.64	77.21	129.678		
9,000.00	7,283.00	7,187.43	7,068.88	103.59	30.00	89.81	916.24	14,431.62	9,913.05	9,835.67	77.38	128.106		
9,100.00	7,283.00	7,187.50	7,068.95	105.87	30.00	89.81	916.25	14,431.62	9,813.25	9,735.70	77.55	126.534		
9,200.00	7,283.00	7,187.57	7,069.02	108.18	30.00	89.82	916.25	14,431.62	9,713.46	9,635.73	77.73	124.964		
9,300.00	7,283.00	7,187.64	7,069.09	110.50	30.00	89.83	916.25	14,431.62	9,613.67	9,535.76	77.91	123.393		
9,400.00	7,283.00	7,187.71	7,069.16	112.84	30.00	89.83	916.25	14,431.62	9,513.89	9,435.79	78.10	121.824		
9,500.00	7,283.00	7,187.77	7,069.23	115.19	30.00	89.84	916.25	14,431.62	9,414.11	9,335.82	78.28	120.256		
9,600.00	7,283.00	7,187.84	7,069.30	117.56	30.00	89.84	916.25	14,431.62	9,314.33	9,235.85	78.48	118.688		
9,700.00	7,283.00	7,187.91	7,069.37	119.95	30.00	89.85	916.25	14,431.62	9,214.56	9,135.89	78.68	117.121		
9,800.00	7,283.00	7,187.98	7,069.44	122.34	30.00	89.86	916.25	14,431.62	9,114.80	9,035.92	78.88	115.556		
9,900.00	7,283.00	7,188.05	7,069.50	124.76	30.00	89.86	916.25	14,431.62	9,015.04	8,935.95	79.09	113.991		
10,000.00	7,283.00	7,188.11	7,069.57	127.18	30.00	89.87	916.25	14,431.62	8,915.28	8,835.98	79.30	112.428		
10,100.00	7,283.00	7,188.18	7,069.64	129.61	30.00	89.88	916.25	14,431.62	8,815.53	8,736.02	79.52	110.865		
10,200.00	7,283.00	7,188.25	7,069.70	132.06	30.00	89.88	916.25	14,431.62	8,715.79	8,636.05	79.74	109.304		
10,300.00	7,283.00	7,188.31	7,069.77	134.52	30.00	89.89	916.25	14,431.62	8,616.05	8,536.08	79.97	107.744		
10,400.00	7,283.00	7,188.38	7,069.84	136.98	30.00	89.89	916.25	14,431.62	8,516.32	8,436.12	80.20	106.185		
10,500.00	7,283.00	7,188.44	7,069.90	139.46	30.00	89.90	916.25	14,431.62	8,416.59	8,336.15	80.44	104.628		
10,600.00	7,283.00	7,188.51	7,069.97	141.94	30.00	89.91	916.25	14,431.62	8,316.88	8,236.19	80.69	103.072		
10,700.00	7,283.00	7,188.57	7,070.03	144.44	30.00	89.91	916.25	14,431.62	8,217.16	8,136.22	80.94	101.518		
10,800.00	7,283.00	7,188.64	7,070.09	146.94	30.00	89.92	916.25	14,431.62	8,117.46	8,036.26	81.20	99.965		
10,900.00	7,283.00	7,188.70	7,070.16	149.45	30.00	89.92	916.25	14,431.62	8,017.76	7,936.29	81.47	98.414		
11,000.00	7,283.00	7,188.76	7,070.22	151.96	30.00	89.93	916.25	14,431.62	7,918.07	7,836.33	81.74	96.865		
11,100.00	7,283.00	7,188.83	7,070.28	154.49	30.00	89.93	916.25	14,431.62	7,818.39	7,736.37	82.03	95.317		
11,200.00	7,283.00	7,188.89	7,070.35	157.01	30.01	89.94	916.25	14,431.62	7,718.72	7,636.40	82.31	93.771		
11,300.00	7,283.00	7,188.95	7,070.41	159.55	30.01	89.95	916.25	14,431.62	7,619.05	7,536.44	82.61	92.227		
11,400.00	7,283.00	7,189.01	7,070.47	162.09	30.01	89.95	916.25	14,431.62	7,519.40	7,436.48	82.92	90.686		
11,500.00	7,283.00	7,189.08	7,070.53	164.64	30.01	89.96	916.25	14,431.62	7,419.75	7,336.52	83.23	89.146		
11,600.00	7,283.00	7,189.14	7,070.60	167.19	30.01	89.96	916.25	14,431.62	7,320.12	7,236.56	83.56	87.608		
11,700.00	7,283.00	7,189.20	7,070.66	169.75	30.01	89.97	916.25	14,431.62	7,220.49	7,136.60	83.89	86.073		
11,800.00	7,283.00	7,189.26	7,070.72	172.31	30.01	89.97	916.25	14,431.62	7,120.87	7,036.64	84.23	84.540		
11,900.00	7,283.00	7,189.32	7,070.78	174.88	30.01	89.98	916.26	14,431.62	7,021.27	6,936.68	84.58	83.009		
12,000.00	7,283.00	7,189.38	7,070.84	177.45	30.01	89.99	916.26	14,431.62	6,921.67	6,836.72	84.95	81.481		
12,100.00	7,283.00	7,189.44	7,070.90	180.03	30.01	89.99	916.26	14,431.62	6,822.09	6,736.77	85.32	79.955		
12,200.00	7,283.00	7,189.50	7,070.96	182.61	30.01	90.00	916.26	14,431.62	6,722.52	6,636.81	85.71	78.432		
12,300.00	7,283.00	7,189.56	7,071.02	185.19	30.01	90.00	916.26	14,431.62	6,622.96	6,536.85	86.11	76.912		
12,400.00	7,283.00	7,189.62	7,071.08	187.78	30.01	90.01	916.26	14,431.62	6,523.42	6,436.90	86.52	75.395		
12,500.00	7,283.00	7,189.68	7,071.14	190.37	30.01	90.01	916.26	14,431.62	6,423.89	6,336.94	86.95	73.881		
12,600.00	7,283.00	7,189.74	7,071.20	192.97	30.01	90.02	916.26	14,431.62	6,324.38	6,236.99	87.39	72.370		
12,700.00	7,283.00	7,189.80	7,071.25	195.57	30.01	90.02	916.26	14,431.62	6,224.88	6,137.03	87.85	70.862		
12,800.00	7,283.00	7,189.85	7,071.31	198.17	30.01	90.03	916.26	14,431.62	6,125.40	6,037.08	88.32	69.357		
12,900.00	7,283.00	7,189.91	7,071.37	200.77	30.01	90.03	916.26	14,431.62	6,025.93	5,937.13	88.80	67.856		
13,000.00	7,283.00	7,189.97	7,071.43	203.38	30.01	90.04	916.26	14,431.62	5,926.48	5,837.17	89.31	66.359		
13,100.00	7,283.00	7,190.03	7,071.48	205.99	30.01	90.04	916.26	14,431.62	5,827.05	5,737.22	89.83	64.866		
13,200.00	7,283.00	7,190.08	7,071.54	208.61	30.01	90.05	916.26	14,431.62	5,727.65	5,637.27	90.38	63.376		
13,300.00	7,283.00	7,190.14	7,071.60	211.22	30.01	90.05	916.26	14,431.62	5,628.26	5,537.32	90.94	61.891		
13,400.00	7,283.00	7,190.20	7,071.65	213.84	30.01	90.06	916.26	14,431.62	5,528.89	5,437.37	91.52	60.410		
13,500.00	7,283.00	7,190.25	7,071.71	216.47	30.01	90.06	916.26	14,431.62	5,429.55	5,337.42	92.13	58.933		
13,600.00	7,283.00	7,190.31	7,071.77	219.09	30.01	90.07	916.26	14,431.62	5,330.23	5,237.47	92.76	57.461		
13,700.00	7,283.00	7,190.36	7,071.82	221.72	30.01	90.07	916.26	14,431.62	5,230.94	5,137.52	93.42	55.994		
13,800.00	7,283.00	7,190.42	7,071.88	224.34	30.01	90.08	916.26	14,431.62	5,131.68	5,037.57	94.10	54.532		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 692-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,900.00	7,283.00	7,190.47	7,071.93	226.97	30.01	90.08	916.26	14,431.62	5,032.44	4,937.63	94.82	53.075		
14,000.00	7,283.00	7,190.53	7,071.99	229.61	30.01	90.09	916.26	14,431.62	4,933.24	4,837.68	95.56	51.624		
14,100.00	7,283.00	7,190.58	7,072.04	232.24	30.01	90.09	916.26	14,431.62	4,834.07	4,737.73	96.34	50.179		
14,200.00	7,283.00	7,190.64	7,072.09	234.88	30.01	90.10	916.26	14,431.62	4,734.93	4,637.78	97.15	48.740		
14,300.00	7,283.00	7,190.69	7,072.15	237.52	30.01	90.10	916.26	14,431.62	4,635.83	4,537.84	97.99	47.307		
14,400.00	7,283.00	7,190.74	7,072.20	240.16	30.01	90.11	916.26	14,431.62	4,536.77	4,437.89	98.88	45.881		
14,500.00	7,283.00	7,190.80	7,072.25	242.80	30.01	90.11	916.26	14,431.62	4,437.76	4,337.95	99.81	44.462		
14,600.00	7,283.00	7,190.85	7,072.31	245.44	30.01	90.12	916.26	14,431.62	4,338.78	4,238.00	100.78	43.050		
14,700.00	7,283.00	7,190.90	7,072.36	248.09	30.01	90.12	916.26	14,431.62	4,239.86	4,138.05	101.81	41.646		
14,800.00	7,283.00	7,190.96	7,072.41	250.74	30.01	90.13	916.26	14,431.62	4,140.99	4,038.11	102.88	40.250		
14,900.00	7,283.00	7,191.01	7,072.47	253.38	30.01	90.13	916.26	14,431.62	4,042.17	3,938.16	104.01	38.863		
15,000.00	7,283.00	7,191.06	7,072.52	256.03	30.01	90.14	916.26	14,431.62	3,943.41	3,838.21	105.20	37.484		
15,100.00	7,283.00	7,191.11	7,072.57	258.69	30.01	90.14	916.26	14,431.62	3,844.72	3,738.26	106.46	36.115		
15,200.00	7,283.00	7,191.16	7,072.62	261.34	30.01	90.15	916.27	14,431.62	3,746.10	3,638.31	107.78	34.757		
15,300.00	7,283.00	7,191.21	7,072.67	263.99	30.01	90.15	916.27	14,431.62	3,647.55	3,538.37	109.18	33.408		
15,400.00	7,283.00	7,191.27	7,072.72	266.65	30.01	90.16	916.27	14,431.62	3,549.08	3,438.42	110.66	32.071		
15,500.00	7,283.00	7,191.32	7,072.77	269.31	30.01	90.16	916.27	14,431.62	3,450.70	3,338.46	112.23	30.745		
15,600.00	7,283.00	7,191.37	7,072.83	271.96	30.01	90.17	916.27	14,431.62	3,352.42	3,238.51	113.90	29.432		
15,700.00	7,283.00	7,191.42	7,072.88	274.62	30.01	90.17	916.27	14,431.62	3,254.24	3,138.56	115.68	28.132		
15,800.00	7,283.00	7,191.47	7,072.93	277.28	30.01	90.18	916.27	14,431.62	3,156.17	3,038.61	117.57	26.846		
15,900.00	7,283.00	7,191.52	7,072.98	279.94	30.01	90.18	916.27	14,431.62	3,058.23	2,938.65	119.58	25.574		
16,000.00	7,283.00	7,191.57	7,073.03	282.61	30.01	90.18	916.27	14,431.62	2,960.43	2,838.69	121.74	24.318		
16,100.00	7,283.00	7,191.62	7,073.08	285.27	30.01	90.19	916.27	14,431.62	2,862.78	2,738.74	124.04	23.079		
16,200.00	7,283.00	7,191.67	7,073.12	287.94	30.01	90.19	916.27	14,431.62	2,765.30	2,638.78	126.52	21.857		
16,300.00	7,283.00	7,191.72	7,073.17	290.60	30.01	90.20	916.27	14,431.62	2,668.00	2,538.82	129.18	20.654		
16,400.00	7,283.00	7,191.76	7,073.22	293.27	30.01	90.20	916.27	14,431.62	2,570.92	2,438.87	132.05	19.470		
16,500.00	7,283.00	7,191.81	7,073.27	295.94	30.01	90.21	916.27	14,431.62	2,474.06	2,338.92	135.14	18.307		
16,600.00	7,283.00	7,191.86	7,073.32	298.60	30.01	90.21	916.27	14,431.62	2,377.46	2,238.97	138.50	17.166		
16,700.00	7,283.00	7,191.91	7,073.37	301.27	30.01	90.22	916.27	14,431.62	2,281.16	2,139.02	142.14	16.049		
16,800.00	7,283.00	7,191.96	7,073.42	303.94	30.01	90.22	916.27	14,431.62	2,185.19	2,039.09	146.10	14.957		
16,900.00	7,283.00	7,192.01	7,073.46	306.62	30.01	90.22	916.27	14,431.62	2,089.60	1,939.17	150.43	13.891		
17,000.00	7,283.00	7,192.05	7,073.51	309.29	30.01	90.23	916.27	14,431.62	1,994.44	1,839.28	155.16	12.854		
17,100.00	7,283.00	7,192.10	7,073.56	311.96	30.01	90.23	916.27	14,431.62	1,899.78	1,739.42	160.36	11.847		
17,200.00	7,283.00	7,192.15	7,073.60	314.63	30.01	90.24	916.27	14,431.62	1,805.69	1,639.60	166.09	10.872		
17,300.00	7,283.00	7,192.19	7,073.65	317.31	30.01	90.24	916.27	14,431.62	1,712.28	1,539.85	172.43	9.930		
17,400.00	7,283.00	7,192.24	7,073.70	319.98	30.01	90.25	916.27	14,431.62	1,619.65	1,440.19	179.46	9.025		
17,500.00	7,283.00	7,192.29	7,073.74	322.66	30.01	90.25	916.27	14,431.62	1,527.95	1,340.67	187.28	8.159		
17,600.00	7,283.00	7,192.33	7,073.79	325.34	30.01	90.25	916.27	14,431.62	1,437.35	1,241.34	196.02	7.333		
17,700.00	7,283.00	7,192.38	7,073.84	328.01	30.01	90.26	916.27	14,431.62	1,348.09	1,142.29	205.80	6.550		
17,800.00	7,283.00	7,192.43	7,073.88	330.69	30.01	90.26	916.27	14,431.62	1,260.44	1,043.65	216.79	5.814		
17,900.00	7,283.00	7,192.47	7,073.93	333.37	30.01	90.27	916.27	14,431.62	1,174.77	945.62	229.15	5.127		
18,000.00	7,283.00	7,192.52	7,073.97	336.05	30.01	90.27	916.27	14,431.62	1,091.53	848.48	243.05	4.491		
18,100.00	7,283.00	7,192.56	7,074.02	338.73	30.01	90.28	916.27	14,431.62	1,011.34	752.70	258.65	3.910		
18,200.00	7,283.00	7,192.61	7,074.06	341.41	30.02	90.28	916.27	14,431.62	934.98	658.96	276.01	3.387		
18,300.00	7,283.00	7,192.65	7,074.11	344.09	30.02	90.28	916.27	14,431.62	863.45	568.36	295.09	2.926		
18,400.00	7,283.00	7,192.70	7,074.15	346.77	30.02	90.29	916.27	14,431.62	798.07	482.53	315.53	2.529		
18,500.00	7,283.00	7,192.74	7,074.20	349.46	30.02	90.29	916.27	14,431.62	740.45	403.93	336.52	2.200		
18,600.00	7,283.00	7,192.78	7,074.24	352.14	30.02	90.30	916.27	14,431.62	692.56	336.00	356.56	1.942		
18,700.00	7,283.00	7,192.83	7,074.29	354.82	30.02	90.30	916.27	14,431.62	656.51	283.11	373.40	1.758		
18,800.00	7,283.00	7,192.87	7,074.33	357.51	30.02	90.30	916.27	14,431.62	634.32	249.96	384.36	1.650		
18,893.18	7,283.00	7,192.91	7,074.37	360.01	30.02	90.31	916.27	14,431.62	627.44	240.14	387.30	1.620 CC, ES, SF		
18,900.00	7,283.00	7,192.92	7,074.37	360.19	30.02	90.31	916.27	14,431.62	627.48	240.27	387.21	1.621		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design		Sec 1-T4N-R68W - EXIST DD QUARTER CIRCLE S 1-8JI - Wellbore #1 - Wellbore #1										Offset Site Error:	0.00 usft
Survey Program: 692-MWD												Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis		Distance									Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
19,000.00	7,283.00	7,192.96	7,074.42	362.88	30.02	90.31	916.27	14,431.62	636.47	255.32	381.15	1.670	
19,100.00	7,283.00	7,193.00	7,074.46	365.56	30.02	90.32	916.28	14,431.62	660.65	293.38	367.27	1.799	
19,200.00	7,283.00	7,193.05	7,074.50	368.25	30.02	90.32	916.28	14,431.62	698.45	350.44	348.01	2.007	
19,247.68	7,283.00	7,193.07	7,074.52	369.53	30.02	90.32	916.28	14,431.62	720.66	382.93	337.73	2.134	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,400.00	6,286.46	6,064.46	6,064.46	78.48	121.59	23.12	1,492.61	13,592.97	10,151.40	9,990.91	160.50	63.250		
7,500.00	6,367.99	6,145.99	6,145.99	79.71	123.23	23.24	1,492.61	13,592.97	10,096.73	9,933.93	162.80	62.019		
7,600.00	6,449.52	6,227.52	6,227.52	80.95	124.87	23.37	1,492.61	13,592.97	10,042.10	9,876.99	165.11	60.822		
7,700.00	6,531.05	6,309.05	6,309.05	82.19	126.51	23.50	1,492.61	13,592.97	9,987.50	9,820.08	167.42	59.656		
7,800.00	6,612.57	6,390.57	6,390.57	83.42	128.15	23.63	1,492.61	13,592.97	9,932.94	9,763.20	169.73	58.521		
7,900.00	6,694.10	6,472.10	6,472.10	84.66	129.79	23.76	1,492.61	13,592.97	9,878.41	9,706.36	172.05	57.415		
8,000.00	6,775.63	6,553.63	6,553.63	85.89	131.43	23.89	1,492.61	13,592.97	9,823.93	9,649.55	174.38	56.337		
8,100.00	6,857.16	6,635.16	6,635.16	87.13	133.07	24.02	1,492.61	13,592.97	9,769.48	9,592.78	176.70	55.287		
8,200.00	6,938.68	6,716.68	6,716.68	88.37	134.70	24.16	1,492.61	13,592.97	9,715.08	9,536.04	179.04	54.263		
8,300.00	7,020.21	6,798.21	6,798.21	89.60	136.34	24.30	1,492.61	13,592.97	9,660.71	9,479.34	181.37	53.264		
8,310.57	7,028.83	6,806.83	6,806.83	89.73	136.52	24.31	1,492.61	13,592.97	9,654.97	9,473.35	181.62	53.160		
8,350.00	7,060.23	6,838.23	6,838.23	90.25	137.15	22.30	1,492.61	13,592.97	9,632.43	9,449.90	182.53	52.772		
8,400.00	7,097.77	6,875.77	6,875.77	90.98	137.90	20.30	1,492.61	13,592.97	9,600.74	9,417.11	183.63	52.283		
8,450.00	7,132.48	6,910.48	6,910.48	91.79	138.60	18.77	1,492.61	13,592.97	9,565.81	9,381.15	184.66	51.801		
8,500.00	7,164.10	6,942.10	6,942.10	92.67	139.24	17.59	1,492.61	13,592.97	9,527.91	9,342.29	185.62	51.331		
8,550.00	7,192.40	6,970.40	6,970.40	93.63	139.81	16.69	1,492.61	13,592.97	9,487.32	9,300.84	186.48	50.876		
8,600.00	7,217.15	6,995.15	6,995.15	94.64	140.30	16.03	1,492.61	13,592.97	9,444.34	9,257.10	187.24	50.439		
8,650.00	7,238.16	7,016.16	7,016.16	95.70	140.73	15.58	1,492.61	13,592.97	9,399.31	9,211.41	187.90	50.024		
8,700.00	7,255.29	7,033.29	7,033.29	96.80	141.07	15.35	1,492.61	13,592.97	9,352.55	9,164.12	188.43	49.633		
8,750.00	7,268.39	7,046.39	7,046.39	97.92	141.34	15.40	1,492.61	13,592.97	9,304.44	9,115.59	188.85	49.269		
8,800.00	7,277.37	7,055.37	7,055.37	99.06	141.52	16.00	1,492.61	13,592.97	9,255.33	9,066.19	189.14	48.933		
8,850.00	7,282.15	7,060.15	7,060.15	100.20	141.61	19.15	1,492.61	13,592.97	9,205.60	9,016.29	189.31	48.628		
8,881.61	7,283.00	7,061.00	7,061.00	100.91	141.63	90.00	1,492.61	13,592.97	9,174.01	8,984.67	189.35	48.451		
8,900.00	7,283.00	7,061.00	7,061.00	101.33	141.63	90.00	1,492.61	13,592.97	9,155.62	8,966.27	189.35	48.352		
9,000.00	7,283.00	7,061.00	7,061.00	103.59	141.63	90.00	1,492.61	13,592.97	9,055.62	8,866.23	189.39	47.815		
9,100.00	7,283.00	7,061.00	7,061.00	105.87	141.63	90.00	1,492.61	13,592.97	8,955.62	8,766.19	189.43	47.278		
9,200.00	7,283.00	7,061.00	7,061.00	108.18	141.63	90.00	1,492.61	13,592.97	8,855.62	8,666.16	189.46	46.740		
9,300.00	7,283.00	7,061.00	7,061.00	110.50	141.63	90.00	1,492.61	13,592.97	8,755.62	8,566.12	189.50	46.203		
9,400.00	7,283.00	7,061.00	7,061.00	112.84	141.63	90.00	1,492.61	13,592.97	8,655.62	8,466.08	189.54	45.665		
9,500.00	7,283.00	7,061.00	7,061.00	115.19	141.63	90.00	1,492.61	13,592.97	8,555.63	8,366.04	189.58	45.128		
9,600.00	7,283.00	7,061.00	7,061.00	117.56	141.63	90.00	1,492.61	13,592.97	8,455.63	8,266.00	189.63	44.591		
9,700.00	7,283.00	7,061.00	7,061.00	119.95	141.63	90.00	1,492.61	13,592.97	8,355.63	8,165.96	189.67	44.054		
9,800.00	7,283.00	7,061.00	7,061.00	122.34	141.63	90.00	1,492.61	13,592.97	8,255.63	8,065.92	189.71	43.517		
9,900.00	7,283.00	7,061.00	7,061.00	124.76	141.63	90.00	1,492.61	13,592.97	8,155.63	7,965.88	189.76	42.979		
10,000.00	7,283.00	7,061.00	7,061.00	127.18	141.63	90.00	1,492.61	13,592.97	8,055.64	7,865.83	189.80	42.442		
10,100.00	7,283.00	7,061.00	7,061.00	129.61	141.63	90.00	1,492.61	13,592.97	7,955.64	7,765.79	189.85	41.905		
10,200.00	7,283.00	7,061.00	7,061.00	132.06	141.63	90.00	1,492.61	13,592.97	7,855.64	7,665.75	189.89	41.369		
10,300.00	7,283.00	7,061.00	7,061.00	134.52	141.63	90.00	1,492.61	13,592.97	7,755.64	7,565.70	189.94	40.832		
10,400.00	7,283.00	7,061.00	7,061.00	136.98	141.63	90.00	1,492.61	13,592.97	7,655.64	7,465.65	189.99	40.295		
10,500.00	7,283.00	7,061.00	7,061.00	139.46	141.63	90.00	1,492.61	13,592.97	7,555.65	7,365.61	190.04	39.758		
10,600.00	7,283.00	7,061.00	7,061.00	141.94	141.63	90.00	1,492.61	13,592.97	7,455.65	7,265.56	190.09	39.222		
10,700.00	7,283.00	7,061.00	7,061.00	144.44	141.63	90.00	1,492.61	13,592.97	7,355.65	7,165.51	190.14	38.685		
10,800.00	7,283.00	7,061.00	7,061.00	146.94	141.63	90.00	1,492.61	13,592.97	7,255.65	7,065.46	190.19	38.149		
10,900.00	7,283.00	7,061.00	7,061.00	149.45	141.63	90.00	1,492.61	13,592.97	7,155.65	6,965.41	190.25	37.612		
11,000.00	7,283.00	7,061.00	7,061.00	151.96	141.63	90.00	1,492.61	13,592.97	7,055.66	6,865.36	190.30	37.076		
11,100.00	7,283.00	7,061.00	7,061.00	154.49	141.63	90.00	1,492.61	13,592.97	6,955.66	6,765.30	190.36	36.540		
11,200.00	7,283.00	7,061.00	7,061.00	157.01	141.63	90.00	1,492.61	13,592.97	6,855.66	6,665.25	190.41	36.004		
11,300.00	7,283.00	7,061.00	7,061.00	159.55	141.63	90.00	1,492.61	13,592.97	6,755.66	6,565.19	190.47	35.468		
11,400.00	7,283.00	7,061.00	7,061.00	162.09	141.63	90.00	1,492.61	13,592.97	6,655.67	6,465.14	190.53	34.932		
11,500.00	7,283.00	7,061.00	7,061.00	164.64	141.63	90.00	1,492.61	13,592.97	6,555.67	6,365.08	190.59	34.397		
11,600.00	7,283.00	7,061.00	7,061.00	167.19	141.63	90.00	1,492.61	13,592.97	6,455.67	6,265.02	190.65	33.861		
11,700.00	7,283.00	7,061.00	7,061.00	169.75	141.63	90.00	1,492.61	13,592.97	6,355.68	6,164.96	190.71	33.326		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,800.00	7,283.00	7,061.00	7,061.00	172.31	141.63	90.00	1,492.61	13,592.97	6,255.68	6,064.90	190.78	32.791		
11,900.00	7,283.00	7,061.00	7,061.00	174.88	141.63	90.00	1,492.61	13,592.97	6,155.68	5,964.84	190.84	32.256		
12,000.00	7,283.00	7,061.00	7,061.00	177.45	141.63	90.00	1,492.61	13,592.97	6,055.69	5,864.78	190.91	31.721		
12,100.00	7,283.00	7,061.00	7,061.00	180.03	141.63	90.00	1,492.61	13,592.97	5,955.69	5,764.72	190.97	31.186		
12,200.00	7,283.00	7,061.00	7,061.00	182.61	141.63	90.00	1,492.61	13,592.97	5,855.69	5,664.65	191.04	30.651		
12,300.00	7,283.00	7,061.00	7,061.00	185.19	141.63	90.00	1,492.61	13,592.97	5,755.70	5,564.58	191.11	30.117		
12,400.00	7,283.00	7,061.00	7,061.00	187.78	141.63	90.00	1,492.61	13,592.97	5,655.70	5,464.52	191.19	29.582		
12,500.00	7,283.00	7,061.00	7,061.00	190.37	141.63	90.00	1,492.61	13,592.97	5,555.70	5,364.45	191.26	29.048		
12,600.00	7,283.00	7,061.00	7,061.00	192.97	141.63	90.00	1,492.61	13,592.97	5,455.71	5,264.38	191.33	28.514		
12,700.00	7,283.00	7,061.00	7,061.00	195.57	141.63	90.00	1,492.61	13,592.97	5,355.71	5,164.30	191.41	27.980		
12,800.00	7,283.00	7,061.00	7,061.00	198.17	141.63	90.00	1,492.61	13,592.97	5,255.72	5,064.23	191.49	27.447		
12,900.00	7,283.00	7,061.00	7,061.00	200.77	141.63	90.00	1,492.61	13,592.97	5,155.72	4,964.15	191.57	26.913		
13,000.00	7,283.00	7,061.00	7,061.00	203.38	141.63	90.00	1,492.61	13,592.97	5,055.73	4,864.08	191.65	26.380		
13,100.00	7,283.00	7,061.00	7,061.00	205.99	141.63	90.00	1,492.61	13,592.97	4,955.73	4,764.00	191.73	25.847		
13,200.00	7,283.00	7,061.00	7,061.00	208.61	141.63	90.00	1,492.61	13,592.97	4,855.74	4,663.92	191.82	25.314		
13,300.00	7,283.00	7,061.00	7,061.00	211.22	141.63	90.00	1,492.61	13,592.97	4,755.74	4,563.83	191.91	24.781		
13,400.00	7,283.00	7,061.00	7,061.00	213.84	141.63	90.00	1,492.61	13,592.97	4,655.75	4,463.75	192.00	24.249		
13,500.00	7,283.00	7,061.00	7,061.00	216.47	141.63	90.00	1,492.61	13,592.97	4,555.75	4,363.66	192.09	23.716		
13,600.00	7,283.00	7,061.00	7,061.00	219.09	141.63	90.00	1,492.61	13,592.97	4,455.76	4,263.57	192.19	23.184		
13,700.00	7,283.00	7,061.00	7,061.00	221.72	141.63	90.00	1,492.61	13,592.97	4,355.77	4,163.48	192.29	22.652		
13,800.00	7,283.00	7,061.00	7,061.00	224.34	141.63	90.00	1,492.61	13,592.97	4,255.77	4,063.38	192.39	22.121		
13,900.00	7,283.00	7,061.00	7,061.00	226.97	141.63	90.00	1,492.61	13,592.97	4,155.78	3,963.29	192.49	21.589		
14,000.00	7,283.00	7,061.00	7,061.00	229.61	141.63	90.00	1,492.61	13,592.97	4,055.79	3,863.19	192.60	21.058		
14,100.00	7,283.00	7,061.00	7,061.00	232.24	141.63	90.00	1,492.61	13,592.97	3,955.79	3,763.08	192.71	20.527		
14,200.00	7,283.00	7,061.00	7,061.00	234.88	141.63	90.00	1,492.61	13,592.97	3,855.80	3,662.98	192.83	19.996		
14,300.00	7,283.00	7,061.00	7,061.00	237.52	141.63	90.00	1,492.61	13,592.97	3,755.81	3,562.87	192.95	19.466		
14,400.00	7,283.00	7,061.00	7,061.00	240.16	141.63	90.00	1,492.61	13,592.97	3,655.82	3,462.75	193.07	18.935		
14,500.00	7,283.00	7,061.00	7,061.00	242.80	141.63	90.00	1,492.61	13,592.97	3,555.83	3,362.63	193.20	18.405		
14,600.00	7,283.00	7,061.00	7,061.00	245.44	141.63	90.00	1,492.61	13,592.97	3,455.84	3,262.51	193.33	17.875		
14,700.00	7,283.00	7,061.00	7,061.00	248.09	141.63	90.00	1,492.61	13,592.97	3,355.85	3,162.38	193.47	17.346		
14,800.00	7,283.00	7,061.00	7,061.00	250.74	141.63	90.00	1,492.61	13,592.97	3,255.86	3,062.25	193.61	16.816		
14,900.00	7,283.00	7,061.00	7,061.00	253.38	141.63	90.00	1,492.61	13,592.97	3,155.87	2,962.11	193.76	16.287		
15,000.00	7,283.00	7,061.00	7,061.00	256.03	141.63	90.00	1,492.61	13,592.97	3,055.89	2,861.97	193.92	15.758		
15,100.00	7,283.00	7,061.00	7,061.00	258.69	141.63	90.00	1,492.61	13,592.97	2,955.90	2,761.81	194.09	15.230		
15,200.00	7,283.00	7,061.00	7,061.00	261.34	141.63	90.00	1,492.61	13,592.97	2,855.91	2,661.65	194.26	14.701		
15,300.00	7,283.00	7,061.00	7,061.00	263.99	141.63	90.00	1,492.61	13,592.97	2,755.93	2,561.49	194.44	14.173		
15,400.00	7,283.00	7,061.00	7,061.00	266.65	141.63	90.00	1,492.61	13,592.97	2,655.95	2,461.31	194.64	13.646		
15,500.00	7,283.00	7,061.00	7,061.00	269.31	141.63	90.00	1,492.61	13,592.97	2,555.97	2,361.12	194.84	13.118		
15,600.00	7,283.00	7,061.00	7,061.00	271.96	141.63	90.00	1,492.61	13,592.97	2,455.99	2,260.92	195.06	12.591		
15,700.00	7,283.00	7,061.00	7,061.00	274.62	141.63	90.00	1,492.61	13,592.97	2,356.01	2,160.71	195.30	12.064		
15,800.00	7,283.00	7,061.00	7,061.00	277.28	141.63	90.00	1,492.61	13,592.97	2,256.03	2,060.48	195.55	11.537		
15,900.00	7,283.00	7,061.00	7,061.00	279.94	141.63	90.00	1,492.61	13,592.97	2,156.06	1,960.23	195.82	11.010		
16,000.00	7,283.00	7,061.00	7,061.00	282.61	141.63	90.00	1,492.61	13,592.97	2,056.08	1,859.97	196.12	10.484		
16,100.00	7,283.00	7,061.00	7,061.00	285.27	141.63	90.00	1,492.61	13,592.97	1,956.11	1,759.68	196.44	9.958		
16,200.00	7,283.00	7,061.00	7,061.00	287.94	141.63	90.00	1,492.61	13,592.97	1,856.15	1,659.36	196.79	9.432		
16,300.00	7,283.00	7,061.00	7,061.00	290.60	141.63	90.00	1,492.61	13,592.97	1,756.19	1,559.01	197.17	8.907		
16,400.00	7,283.00	7,061.00	7,061.00	293.27	141.63	90.00	1,492.61	13,592.97	1,656.23	1,458.63	197.60	8.382		
16,500.00	7,283.00	7,061.00	7,061.00	295.94	141.63	90.00	1,492.61	13,592.97	1,556.28	1,358.19	198.08	7.857		
16,600.00	7,283.00	7,061.00	7,061.00	298.60	141.63	90.00	1,492.61	13,592.97	1,456.33	1,257.71	198.63	7.332		
16,700.00	7,283.00	7,061.00	7,061.00	301.27	141.63	90.00	1,492.61	13,592.97	1,356.39	1,157.15	199.25	6.808		
16,800.00	7,283.00	7,061.00	7,061.00	303.94	141.63	90.00	1,492.61	13,592.97	1,256.47	1,056.50	199.97	6.283		
16,900.00	7,283.00	7,061.00	7,061.00	306.62	141.63	90.00	1,492.61	13,592.97	1,156.55	955.74	200.81	5.759		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 0-INC												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
17,000.00	7,283.00	7,061.00	7,061.00	309.29	141.63	90.00	1,492.61	13,592.97	1,056.65	854.84	201.81	5.236	
17,100.00	7,283.00	7,061.00	7,061.00	311.96	141.63	90.00	1,492.61	13,592.97	956.77	753.74	203.03	4.712	
17,200.00	7,283.00	7,061.00	7,061.00	314.63	141.63	90.00	1,492.61	13,592.97	856.93	652.37	204.55	4.189	
17,300.00	7,283.00	7,061.00	7,061.00	317.31	141.63	90.00	1,492.61	13,592.97	757.12	550.62	206.50	3.666	
17,400.00	7,283.00	7,061.00	7,061.00	319.98	141.63	90.00	1,492.61	13,592.97	657.36	448.29	209.07	3.144	
17,500.00	7,283.00	7,061.00	7,061.00	322.66	141.63	90.00	1,492.61	13,592.97	557.70	345.06	212.64	2.623	
17,600.00	7,283.00	7,061.00	7,061.00	325.34	141.63	90.00	1,492.61	13,592.97	458.19	240.29	217.90	2.103	
17,700.00	7,283.00	7,061.00	7,061.00	328.01	141.63	90.00	1,492.61	13,592.97	358.94	132.63	226.31	1.586	
17,800.00	7,283.00	7,061.00	7,061.00	330.69	141.63	90.00	1,492.61	13,592.97	260.27	18.65	241.63	1.077	Level 2
17,900.00	7,283.00	7,061.00	7,061.00	333.37	141.63	90.00	1,492.61	13,592.97	163.24	-112.85	276.08	0.591	Level 1
18,000.00	7,283.00	7,061.00	7,061.00	336.05	141.63	90.00	1,492.61	13,592.97	74.50	-313.69	388.19	0.192	Level 1
18,055.48	7,283.00	7,061.00	7,061.00	337.54	141.63	90.00	1,492.61	13,592.97	49.72	-428.25	477.97	0.104	Level 1, CC, ES, SF
18,100.00	7,283.00	7,061.00	7,061.00	338.73	141.63	90.00	1,492.61	13,592.97	66.74	-309.36	376.09	0.177	Level 1
18,200.00	7,283.00	7,061.00	7,061.00	341.41	141.63	90.00	1,492.61	13,592.97	152.83	-82.35	235.19	0.650	Level 1
18,300.00	7,283.00	7,061.00	7,061.00	344.09	141.63	90.00	1,492.61	13,592.97	249.52	48.91	200.61	1.244	Level 2
18,400.00	7,283.00	7,061.00	7,061.00	346.77	141.63	90.00	1,492.61	13,592.97	348.09	158.23	189.86	1.833	
18,500.00	7,283.00	7,061.00	7,061.00	349.46	141.63	90.00	1,492.61	13,592.97	447.29	260.92	186.37	2.400	
18,600.00	7,283.00	7,061.00	7,061.00	352.14	141.63	90.00	1,492.61	13,592.97	546.78	361.38	185.41	2.949	
18,700.00	7,283.00	7,061.00	7,061.00	354.82	141.63	90.00	1,492.61	13,592.97	646.43	461.06	185.38	3.487	
18,800.00	7,283.00	7,061.00	7,061.00	357.51	141.63	90.00	1,492.61	13,592.97	746.18	560.48	185.70	4.018	
18,900.00	7,283.00	7,061.00	7,061.00	360.19	141.63	90.00	1,492.61	13,592.97	845.98	659.84	186.14	4.545	
19,000.00	7,283.00	7,061.00	7,061.00	362.88	141.63	90.00	1,492.61	13,592.97	945.83	759.21	186.62	5.068	
19,100.00	7,283.00	7,061.00	7,061.00	365.56	141.63	90.00	1,492.61	13,592.97	1,045.70	858.62	187.08	5.589	
19,200.00	7,283.00	7,061.00	7,061.00	368.25	141.63	90.00	1,492.61	13,592.97	1,145.60	958.07	187.53	6.109	
19,247.68	7,283.00	7,061.00	7,061.00	369.53	141.63	90.00	1,492.61	13,592.97	1,193.23	1,005.50	187.73	6.356	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,600.00	7,217.15	6,994.15	6,994.15	94.64	24.87	7.08	2,236.10	14,188.20	10,065.74	9,997.50	68.24	147.503		
8,650.00	7,238.16	7,015.16	7,015.16	95.70	24.94	4.74	2,236.10	14,188.20	10,020.43	9,951.95	68.48	146.323		
8,700.00	7,255.29	7,032.29	7,032.29	96.80	25.01	1.53	2,236.10	14,188.20	9,973.48	9,904.81	68.67	145.242		
8,750.00	7,268.39	7,045.39	7,045.39	97.92	25.05	-3.71	2,236.10	14,188.20	9,925.24	9,856.44	68.80	144.265		
8,800.00	7,277.37	7,054.37	7,054.37	99.06	25.09	-14.67	2,236.10	14,188.20	9,876.09	9,807.22	68.87	143.400		
8,850.00	7,282.15	7,059.15	7,059.15	100.20	25.10	-47.01	2,236.10	14,188.20	9,826.39	9,757.50	68.89	142.649		
8,881.61	7,283.00	7,060.00	7,060.00	100.91	25.11	-90.00	2,236.10	14,188.20	9,794.86	9,726.00	68.86	142.234		
8,900.00	7,283.00	7,060.00	7,060.00	101.33	25.11	-90.00	2,236.10	14,188.20	9,776.51	9,707.67	68.85	142.006		
9,000.00	7,283.00	7,060.00	7,060.00	103.59	25.11	-90.00	2,236.10	14,188.20	9,676.77	9,608.03	68.74	140.769		
9,100.00	7,283.00	7,060.00	7,060.00	105.87	25.11	-90.00	2,236.10	14,188.20	9,577.03	9,508.39	68.64	139.529		
9,200.00	7,283.00	7,060.00	7,060.00	108.18	25.11	-90.00	2,236.10	14,188.20	9,477.29	9,408.76	68.53	138.287		
9,300.00	7,283.00	7,060.00	7,060.00	110.50	25.11	-90.00	2,236.10	14,188.20	9,377.56	9,309.13	68.43	137.043		
9,400.00	7,283.00	7,060.00	7,060.00	112.84	25.11	-90.00	2,236.10	14,188.20	9,277.84	9,209.52	68.32	135.797		
9,500.00	7,283.00	7,060.00	7,060.00	115.19	25.11	-90.00	2,236.10	14,188.20	9,178.12	9,109.91	68.21	134.548		
9,600.00	7,283.00	7,060.00	7,060.00	117.56	25.11	-90.00	2,236.10	14,188.20	9,078.41	9,010.30	68.11	133.297		
9,700.00	7,283.00	7,060.00	7,060.00	119.95	25.11	-90.00	2,236.10	14,188.20	8,978.70	8,910.71	68.00	132.044		
9,800.00	7,283.00	7,060.00	7,060.00	122.34	25.11	-90.00	2,236.10	14,188.20	8,879.01	8,811.12	67.89	130.788		
9,900.00	7,283.00	7,060.00	7,060.00	124.76	25.11	-90.00	2,236.10	14,188.20	8,779.31	8,711.54	67.78	129.530		
10,000.00	7,283.00	7,060.00	7,060.00	127.18	25.11	-90.00	2,236.10	14,188.20	8,679.63	8,611.96	67.67	128.268		
10,100.00	7,283.00	7,060.00	7,060.00	129.61	25.11	-90.00	2,236.10	14,188.20	8,579.95	8,512.40	67.56	127.004		
10,200.00	7,283.00	7,060.00	7,060.00	132.06	25.11	-90.00	2,236.10	14,188.20	8,480.28	8,412.84	67.44	125.737		
10,300.00	7,283.00	7,060.00	7,060.00	134.52	25.11	-90.00	2,236.10	14,188.20	8,380.62	8,313.29	67.33	124.466		
10,400.00	7,283.00	7,060.00	7,060.00	136.98	25.11	-90.00	2,236.10	14,188.20	8,280.97	8,213.75	67.22	123.192		
10,500.00	7,283.00	7,060.00	7,060.00	139.46	25.11	-90.00	2,236.10	14,188.20	8,181.32	8,114.21	67.11	121.914		
10,600.00	7,283.00	7,060.00	7,060.00	141.94	25.11	-90.00	2,236.10	14,188.20	8,081.69	8,014.69	66.99	120.633		
10,700.00	7,283.00	7,060.00	7,060.00	144.44	25.11	-90.00	2,236.10	14,188.20	7,982.06	7,915.18	66.88	119.348		
10,800.00	7,283.00	7,060.00	7,060.00	146.94	25.11	-90.00	2,236.10	14,188.20	7,882.44	7,815.67	66.77	118.058		
10,900.00	7,283.00	7,060.00	7,060.00	149.45	25.11	-90.00	2,236.10	14,188.20	7,782.83	7,716.18	66.65	116.764		
11,000.00	7,283.00	7,060.00	7,060.00	151.96	25.11	-90.00	2,236.10	14,188.20	7,683.23	7,616.69	66.54	115.465		
11,100.00	7,283.00	7,060.00	7,060.00	154.49	25.11	-90.00	2,236.10	14,188.20	7,583.65	7,517.22	66.43	114.161		
11,200.00	7,283.00	7,060.00	7,060.00	157.01	25.11	-90.00	2,236.10	14,188.20	7,484.07	7,417.75	66.32	112.852		
11,300.00	7,283.00	7,060.00	7,060.00	159.55	25.11	-90.00	2,236.10	14,188.20	7,384.51	7,318.30	66.21	111.537		
11,400.00	7,283.00	7,060.00	7,060.00	162.09	25.11	-90.00	2,236.10	14,188.20	7,284.95	7,218.86	66.10	110.216		
11,500.00	7,283.00	7,060.00	7,060.00	164.64	25.11	-90.00	2,236.10	14,188.20	7,185.41	7,119.42	65.99	108.889		
11,600.00	7,283.00	7,060.00	7,060.00	167.19	25.11	-90.00	2,236.10	14,188.20	7,085.88	7,020.00	65.88	107.555		
11,700.00	7,283.00	7,060.00	7,060.00	169.75	25.11	-90.00	2,236.10	14,188.20	6,986.37	6,920.59	65.78	106.214		
11,800.00	7,283.00	7,060.00	7,060.00	172.31	25.11	-90.00	2,236.10	14,188.20	6,886.87	6,821.20	65.67	104.866		
11,900.00	7,283.00	7,060.00	7,060.00	174.88	25.11	-90.00	2,236.10	14,188.20	6,787.39	6,721.81	65.57	103.509		
12,000.00	7,283.00	7,060.00	7,060.00	177.45	25.11	-90.00	2,236.10	14,188.20	6,687.92	6,622.44	65.48	102.143		
12,100.00	7,283.00	7,060.00	7,060.00	180.03	25.11	-90.00	2,236.10	14,188.20	6,588.46	6,523.08	65.38	100.768		
12,200.00	7,283.00	7,060.00	7,060.00	182.61	25.11	-90.00	2,236.10	14,188.20	6,489.02	6,423.73	65.29	99.384		
12,300.00	7,283.00	7,060.00	7,060.00	185.19	25.11	-90.00	2,236.10	14,188.20	6,389.61	6,324.40	65.21	97.989		
12,400.00	7,283.00	7,060.00	7,060.00	187.78	25.11	-90.00	2,236.10	14,188.20	6,290.20	6,225.08	65.13	96.583		
12,500.00	7,283.00	7,060.00	7,060.00	190.37	25.11	-90.00	2,236.10	14,188.20	6,190.82	6,125.77	65.05	95.165		
12,600.00	7,283.00	7,060.00	7,060.00	192.97	25.11	-90.00	2,236.10	14,188.20	6,091.46	6,026.47	64.99	93.734		
12,700.00	7,283.00	7,060.00	7,060.00	195.57	25.11	-90.00	2,236.10	14,188.20	5,992.12	5,927.19	64.93	92.290		
12,800.00	7,283.00	7,060.00	7,060.00	198.17	25.11	-90.00	2,236.10	14,188.20	5,892.80	5,827.93	64.88	90.831		
12,900.00	7,283.00	7,060.00	7,060.00	200.77	25.11	-90.00	2,236.10	14,188.20	5,793.51	5,728.67	64.84	89.358		
13,000.00	7,283.00	7,060.00	7,060.00	203.38	25.11	-90.00	2,236.10	14,188.20	5,694.24	5,629.43	64.80	87.868		
13,100.00	7,283.00	7,060.00	7,060.00	205.99	25.11	-90.00	2,236.10	14,188.20	5,594.99	5,530.21	64.79	86.360		
13,200.00	7,283.00	7,060.00	7,060.00	208.61	25.11	-90.00	2,236.10	14,188.20	5,495.78	5,431.00	64.78	84.835		
13,300.00	7,283.00	7,060.00	7,060.00	211.22	25.11	-90.00	2,236.10	14,188.20	5,396.59	5,331.80	64.79	83.290		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,400.00	7,283.00	7,060.00	7,060.00	213.84	25.11	-90.00	2,236.10	14,188.20	5,297.43	5,232.61	64.82	81.725		
13,500.00	7,283.00	7,060.00	7,060.00	216.47	25.11	-90.00	2,236.10	14,188.20	5,198.31	5,133.44	64.87	80.138		
13,600.00	7,283.00	7,060.00	7,060.00	219.09	25.11	-90.00	2,236.10	14,188.20	5,099.22	5,034.28	64.93	78.529		
13,700.00	7,283.00	7,060.00	7,060.00	221.72	25.11	-90.00	2,236.10	14,188.20	5,000.16	4,935.14	65.03	76.896		
13,800.00	7,283.00	7,060.00	7,060.00	224.34	25.11	-90.00	2,236.10	14,188.20	4,901.15	4,836.00	65.14	75.237		
13,900.00	7,283.00	7,060.00	7,060.00	226.97	25.11	-90.00	2,236.10	14,188.20	4,802.17	4,736.88	65.29	73.553		
14,000.00	7,283.00	7,060.00	7,060.00	229.61	25.11	-90.00	2,236.10	14,188.20	4,703.24	4,637.77	65.47	71.842		
14,100.00	7,283.00	7,060.00	7,060.00	232.24	25.11	-90.00	2,236.10	14,188.20	4,604.35	4,538.67	65.68	70.102		
14,200.00	7,283.00	7,060.00	7,060.00	234.88	25.11	-90.00	2,236.10	14,188.20	4,505.52	4,439.58	65.93	68.334		
14,300.00	7,283.00	7,060.00	7,060.00	237.52	25.11	-90.00	2,236.10	14,188.20	4,406.73	4,340.50	66.23	66.536		
14,400.00	7,283.00	7,060.00	7,060.00	240.16	25.11	-90.00	2,236.10	14,188.20	4,308.01	4,241.43	66.58	64.708		
14,500.00	7,283.00	7,060.00	7,060.00	242.80	25.11	-90.00	2,236.10	14,188.20	4,209.34	4,142.36	66.97	62.850		
14,600.00	7,283.00	7,060.00	7,060.00	245.44	25.11	-90.00	2,236.10	14,188.20	4,110.74	4,043.30	67.43	60.961		
14,700.00	7,283.00	7,060.00	7,060.00	248.09	25.11	-90.00	2,236.10	14,188.20	4,012.20	3,944.25	67.95	59.043		
14,800.00	7,283.00	7,060.00	7,060.00	250.74	25.11	-90.00	2,236.10	14,188.20	3,913.74	3,845.19	68.55	57.095		
14,900.00	7,283.00	7,060.00	7,060.00	253.38	25.11	-90.00	2,236.10	14,188.20	3,815.36	3,746.14	69.22	55.119		
15,000.00	7,283.00	7,060.00	7,060.00	256.03	25.11	-90.00	2,236.10	14,188.20	3,717.07	3,647.09	69.98	53.117		
15,100.00	7,283.00	7,060.00	7,060.00	258.69	25.11	-90.00	2,236.10	14,188.20	3,618.87	3,548.04	70.83	51.091		
15,200.00	7,283.00	7,060.00	7,060.00	261.34	25.11	-90.00	2,236.10	14,188.20	3,520.77	3,448.98	71.79	49.043		
15,300.00	7,283.00	7,060.00	7,060.00	263.99	25.11	-90.00	2,236.10	14,188.20	3,422.78	3,349.92	72.86	46.976		
15,400.00	7,283.00	7,060.00	7,060.00	266.65	25.11	-90.00	2,236.10	14,188.20	3,324.91	3,250.85	74.06	44.895		
15,500.00	7,283.00	7,060.00	7,060.00	269.31	25.11	-90.00	2,236.10	14,188.20	3,227.18	3,151.78	75.39	42.804		
15,600.00	7,283.00	7,060.00	7,060.00	271.96	25.11	-90.00	2,236.10	14,188.20	3,129.58	3,052.70	76.88	40.707		
15,700.00	7,283.00	7,060.00	7,060.00	274.62	25.11	-90.00	2,236.10	14,188.20	3,032.14	2,953.61	78.53	38.610		
15,800.00	7,283.00	7,060.00	7,060.00	277.28	25.11	-90.00	2,236.10	14,188.20	2,934.88	2,854.51	80.37	36.518		
15,900.00	7,283.00	7,060.00	7,060.00	279.94	25.11	-90.00	2,236.10	14,188.20	2,837.80	2,755.40	82.40	34.438		
16,000.00	7,283.00	7,060.00	7,060.00	282.61	25.11	-90.00	2,236.10	14,188.20	2,740.93	2,656.28	84.66	32.377		
16,100.00	7,283.00	7,060.00	7,060.00	285.27	25.11	-90.00	2,236.10	14,188.20	2,644.30	2,557.15	87.15	30.341		
16,200.00	7,283.00	7,060.00	7,060.00	287.94	25.11	-90.00	2,236.10	14,188.20	2,547.93	2,458.01	89.92	28.336		
16,300.00	7,283.00	7,060.00	7,060.00	290.60	25.11	-90.00	2,236.10	14,188.20	2,451.85	2,358.87	92.98	26.369		
16,400.00	7,283.00	7,060.00	7,060.00	293.27	25.11	-90.00	2,236.10	14,188.20	2,356.09	2,259.72	96.37	24.448		
16,500.00	7,283.00	7,060.00	7,060.00	295.94	25.11	-90.00	2,236.10	14,188.20	2,260.70	2,160.58	100.13	22.578		
16,600.00	7,283.00	7,060.00	7,060.00	298.60	25.11	-90.00	2,236.10	14,188.20	2,165.73	2,061.44	104.29	20.766		
16,700.00	7,283.00	7,060.00	7,060.00	301.27	25.11	-90.00	2,236.10	14,188.20	2,071.23	1,962.32	108.91	19.017		
16,800.00	7,283.00	7,060.00	7,060.00	303.94	25.11	-90.00	2,236.10	14,188.20	1,977.28	1,863.23	114.05	17.337		
16,900.00	7,283.00	7,060.00	7,060.00	306.62	25.11	-90.00	2,236.10	14,188.20	1,883.94	1,764.18	119.76	15.731		
17,000.00	7,283.00	7,060.00	7,060.00	309.29	25.11	-90.00	2,236.10	14,188.20	1,791.33	1,665.20	126.12	14.203		
17,100.00	7,283.00	7,060.00	7,060.00	311.96	25.11	-90.00	2,236.10	14,188.20	1,699.55	1,566.32	133.22	12.757		
17,200.00	7,283.00	7,060.00	7,060.00	314.63	25.11	-90.00	2,236.10	14,188.20	1,608.75	1,467.58	141.17	11.396		
17,300.00	7,283.00	7,060.00	7,060.00	317.31	25.11	-90.00	2,236.10	14,188.20	1,519.11	1,369.04	150.07	10.123		
17,400.00	7,283.00	7,060.00	7,060.00	319.98	25.11	-90.00	2,236.10	14,188.20	1,430.84	1,270.78	160.06	8.939		
17,500.00	7,283.00	7,060.00	7,060.00	322.66	25.11	-90.00	2,236.10	14,188.20	1,344.21	1,172.92	171.30	7.847		
17,600.00	7,283.00	7,060.00	7,060.00	325.34	25.11	-90.00	2,236.10	14,188.20	1,259.57	1,075.64	183.93	6.848		
17,700.00	7,283.00	7,060.00	7,060.00	328.01	25.11	-90.00	2,236.10	14,188.20	1,177.34	979.20	198.15	5.942		
17,800.00	7,283.00	7,060.00	7,060.00	330.69	25.11	-90.00	2,236.10	14,188.20	1,098.07	883.97	214.10	5.129		
17,900.00	7,283.00	7,060.00	7,060.00	333.37	25.11	-90.00	2,236.10	14,188.20	1,022.43	790.52	231.91	4.409		
18,000.00	7,283.00	7,060.00	7,060.00	336.05	25.11	-90.00	2,236.10	14,188.20	951.30	699.70	251.61	3.781		
18,100.00	7,283.00	7,060.00	7,060.00	338.73	25.11	-90.00	2,236.10	14,188.20	885.77	612.74	273.03	3.244		
18,200.00	7,283.00	7,060.00	7,060.00	341.41	25.11	-90.00	2,236.10	14,188.20	827.17	531.45	295.72	2.797		
18,300.00	7,283.00	7,060.00	7,060.00	344.09	25.11	-90.00	2,236.10	14,188.20	777.06	458.31	318.75	2.438		
18,400.00	7,283.00	7,060.00	7,060.00	346.77	25.11	-90.00	2,236.10	14,188.20	737.18	396.54	340.64	2.164		
18,500.00	7,283.00	7,060.00	7,060.00	349.46	25.11	-90.00	2,236.10	14,188.20	709.25	349.83	359.42	1.973		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design		Sec 1-T4N-R68W - EXIST VERT QUARTER CIRCLE S 01-01JI - Wellbore #1 - Design #1										Offset Site Error:	0.00 usft
Survey Program: 0-MWD												Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
18,600.00	7,283.00	7,060.00	7,060.00	352.14	25.11	-90.00	2,236.10	14,188.20	694.73	321.70	373.03	1.862	
18,651.94	7,283.00	7,060.00	7,060.00	353.53	25.11	-90.00	2,236.10	14,188.20	692.79	315.29	377.50	1.835 CC	
18,700.00	7,283.00	7,060.00	7,060.00	354.82	25.11	-90.00	2,236.10	14,188.20	694.45	314.55	379.91	1.828 ES, SF	
18,800.00	7,283.00	7,060.00	7,060.00	357.51	25.11	-90.00	2,236.10	14,188.20	708.43	328.82	379.62	1.866	
18,900.00	7,283.00	7,060.00	7,060.00	360.19	25.11	-90.00	2,236.10	14,188.20	735.86	362.90	372.97	1.973	
19,000.00	7,283.00	7,060.00	7,060.00	362.88	25.11	-90.00	2,236.10	14,188.20	775.31	413.72	361.59	2.144	
19,100.00	7,283.00	7,060.00	7,060.00	365.56	25.11	-90.00	2,236.10	14,188.20	825.06	477.74	347.32	2.376	
19,200.00	7,283.00	7,060.00	7,060.00	368.25	25.11	-90.00	2,236.10	14,188.20	883.36	551.62	331.74	2.663	
19,247.68	7,283.00	7,060.00	7,060.00	369.53	25.11	-90.00	2,236.10	14,188.20	913.71	589.50	324.21	2.818	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 1-T4N-R68W - SI MASSTY 1-218 - Wellbore #1 - Design #1		Offset Site Error: 0.00 usft	
Survey Program: 0-INC													Offset Well Error: 0.00 usft			
Reference		Offset		Semi Major Axis		Distance								Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
6,100.00	5,226.60	4,993.60	4,993.60	62.42	100.05	16.32	2,244.44	12,778.68	10,115.17	9,986.66	128.51	78.711				
6,200.00	5,308.13	5,075.13	5,075.13	63.65	101.69	16.41	2,244.44	12,778.68	10,058.86	9,928.15	130.70	76.959				
6,300.00	5,389.66	5,156.66	5,156.66	64.89	103.33	16.50	2,244.44	12,778.68	10,002.56	9,869.66	132.90	75.265				
6,400.00	5,471.19	5,238.19	5,238.19	66.12	104.97	16.60	2,244.44	12,778.68	9,946.28	9,811.18	135.10	73.624				
6,500.00	5,552.72	5,319.72	5,319.72	67.36	106.61	16.69	2,244.44	12,778.68	9,890.02	9,752.72	137.30	72.034				
6,600.00	5,634.24	5,401.24	5,401.24	68.59	108.25	16.79	2,244.44	12,778.68	9,833.78	9,694.28	139.50	70.494				
6,700.00	5,715.77	5,482.77	5,482.77	69.83	109.89	16.88	2,244.44	12,778.68	9,777.55	9,635.85	141.70	69.000				
6,800.00	5,797.30	5,564.30	5,564.30	71.06	111.53	16.98	2,244.44	12,778.68	9,721.35	9,577.44	143.91	67.551				
6,900.00	5,878.83	5,645.83	5,645.83	72.30	113.17	17.08	2,244.44	12,778.68	9,665.17	9,519.05	146.12	66.145				
7,000.00	5,960.35	5,727.35	5,727.35	73.53	114.81	17.18	2,244.44	12,778.68	9,609.01	9,460.67	148.33	64.780				
7,100.00	6,041.88	5,808.88	5,808.88	74.77	116.45	17.28	2,244.44	12,778.68	9,552.87	9,402.32	150.55	63.453				
7,200.00	6,123.41	5,890.41	5,890.41	76.01	118.09	17.38	2,244.44	12,778.68	9,496.75	9,343.98	152.77	62.164				
7,300.00	6,204.94	5,971.94	5,971.94	77.24	119.73	17.48	2,244.44	12,778.68	9,440.65	9,285.66	154.99	60.912				
7,400.00	6,286.46	6,053.46	6,053.46	78.48	121.37	17.59	2,244.44	12,778.68	9,384.57	9,227.36	157.21	59.693				
7,500.00	6,367.99	6,134.99	6,134.99	79.71	123.01	17.70	2,244.44	12,778.68	9,328.52	9,169.08	159.44	58.508				
7,600.00	6,449.52	6,216.52	6,216.52	80.95	124.65	17.80	2,244.44	12,778.68	9,272.49	9,110.82	161.67	57.354				
7,700.00	6,531.05	6,298.05	6,298.05	82.19	126.29	17.91	2,244.44	12,778.68	9,216.48	9,052.58	163.90	56.231				
7,800.00	6,612.57	6,379.57	6,379.57	83.42	127.93	18.02	2,244.44	12,778.68	9,160.50	8,994.36	166.14	55.137				
7,900.00	6,694.10	6,461.10	6,461.10	84.66	129.56	18.13	2,244.44	12,778.68	9,104.54	8,936.16	168.38	54.072				
8,000.00	6,775.63	6,542.63	6,542.63	85.89	131.20	18.24	2,244.44	12,778.68	9,048.60	8,877.98	170.62	53.033				
8,100.00	6,857.16	6,624.16	6,624.16	87.13	132.84	18.36	2,244.44	12,778.68	8,992.69	8,819.82	172.87	52.020				
8,200.00	6,938.68	6,705.68	6,705.68	88.37	134.48	18.47	2,244.44	12,778.68	8,936.80	8,761.69	175.12	51.033				
8,300.00	7,020.21	6,787.21	6,787.21	89.60	136.12	18.59	2,244.44	12,778.68	8,880.95	8,703.57	177.37	50.070				
8,310.57	7,028.83	6,795.83	6,795.83	89.73	136.30	18.60	2,244.44	12,778.68	8,875.04	8,697.43	177.61	49.970				
8,350.00	7,060.23	6,827.23	6,827.23	90.25	136.93	16.29	2,244.44	12,778.68	8,851.92	8,673.44	178.48	49.596				
8,400.00	7,097.77	6,864.77	6,864.77	90.98	137.68	13.81	2,244.44	12,778.68	8,819.56	8,640.03	179.53	49.124				
8,450.00	7,132.48	6,899.48	6,899.48	91.79	138.38	11.66	2,244.44	12,778.68	8,784.03	8,603.52	180.51	48.661				
8,500.00	7,164.10	6,931.10	6,931.10	92.67	139.02	9.67	2,244.44	12,778.68	8,745.59	8,564.19	181.41	48.210				
8,550.00	7,192.40	6,959.40	6,959.40	93.63	139.59	7.69	2,244.44	12,778.68	8,704.54	8,522.34	182.20	47.774				
8,600.00	7,217.15	6,984.15	6,984.15	94.64	140.08	5.51	2,244.44	12,778.68	8,661.19	8,478.29	182.90	47.356				
8,650.00	7,238.16	7,005.16	7,005.16	95.70	140.51	2.84	2,244.44	12,778.68	8,615.86	8,432.38	183.48	46.959				
8,700.00	7,255.29	7,022.29	7,022.29	96.80	140.85	-0.89	2,244.44	12,778.68	8,568.90	8,384.96	183.94	46.586				
8,750.00	7,268.39	7,035.39	7,035.39	97.92	141.11	-7.02	2,244.44	12,778.68	8,520.67	8,336.40	184.27	46.240				
8,800.00	7,277.37	7,044.37	7,044.37	99.06	141.29	-19.59	2,244.44	12,778.68	8,471.53	8,287.05	184.48	45.921				
8,850.00	7,282.15	7,049.15	7,049.15	100.20	141.39	-52.81	2,244.44	12,778.68	8,421.87	8,237.30	184.56	45.631				
8,881.61	7,283.00	7,050.00	7,050.00	100.91	141.41	-90.00	2,244.44	12,778.68	8,390.37	8,205.82	184.55	45.464				
8,900.00	7,283.00	7,050.00	7,050.00	101.33	141.41	-90.00	2,244.44	12,778.68	8,372.04	8,187.52	184.53	45.370				
9,000.00	7,283.00	7,050.00	7,050.00	103.59	141.41	-90.00	2,244.44	12,778.68	8,272.40	8,088.00	184.40	44.862				
9,100.00	7,283.00	7,050.00	7,050.00	105.87	141.41	-90.00	2,244.44	12,778.68	8,172.77	7,988.50	184.27	44.352				
9,200.00	7,283.00	7,050.00	7,050.00	108.18	141.41	-90.00	2,244.44	12,778.68	8,073.14	7,889.00	184.14	43.843				
9,300.00	7,283.00	7,050.00	7,050.00	110.50	141.41	-90.00	2,244.44	12,778.68	7,973.53	7,789.52	184.01	43.332				
9,400.00	7,283.00	7,050.00	7,050.00	112.84	141.41	-90.00	2,244.44	12,778.68	7,873.92	7,690.05	183.88	42.822				
9,500.00	7,283.00	7,050.00	7,050.00	115.19	141.41	-90.00	2,244.44	12,778.68	7,774.33	7,590.59	183.74	42.311				
9,600.00	7,283.00	7,050.00	7,050.00	117.56	141.41	-90.00	2,244.44	12,778.68	7,674.74	7,491.14	183.61	41.799				
9,700.00	7,283.00	7,050.00	7,050.00	119.95	141.41	-90.00	2,244.44	12,778.68	7,575.17	7,391.70	183.47	41.287				
9,800.00	7,283.00	7,050.00	7,050.00	122.34	141.41	-90.00	2,244.44	12,778.68	7,475.61	7,292.27	183.34	40.775				
9,900.00	7,283.00	7,050.00	7,050.00	124.76	141.41	-90.00	2,244.44	12,778.68	7,376.06	7,192.86	183.20	40.262				
10,000.00	7,283.00	7,050.00	7,050.00	127.18	141.41	-90.00	2,244.44	12,778.68	7,276.52	7,093.45	183.07	39.748				
10,100.00	7,283.00	7,050.00	7,050.00	129.61	141.41	-90.00	2,244.44	12,778.68	7,177.00	6,994.07	182.93	39.234				
10,200.00	7,283.00	7,050.00	7,050.00	132.06	141.41	-90.00	2,244.44	12,778.68	7,077.48	6,894.69	182.79	38.719				
10,300.00	7,283.00	7,050.00	7,050.00	134.52	141.41	-90.00	2,244.44	12,778.68	6,977.99	6,795.33	182.65	38.203				
10,400.00	7,283.00	7,050.00	7,050.00	136.98	141.41	-90.00	2,244.44	12,778.68	6,878.50	6,695.99	182.52	37.687				

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,500.00	7,283.00	7,050.00	7,050.00	139.46	141.41	-90.00	2,244.44	12,778.68	6,779.03	6,596.65	182.38	37.170		
10,600.00	7,283.00	7,050.00	7,050.00	141.94	141.41	-90.00	2,244.44	12,778.68	6,679.58	6,497.34	182.24	36.652		
10,700.00	7,283.00	7,050.00	7,050.00	144.44	141.41	-90.00	2,244.44	12,778.68	6,580.15	6,398.04	182.11	36.133		
10,800.00	7,283.00	7,050.00	7,050.00	146.94	141.41	-90.00	2,244.44	12,778.68	6,480.73	6,298.75	181.98	35.613		
10,900.00	7,283.00	7,050.00	7,050.00	149.45	141.41	-90.00	2,244.44	12,778.68	6,381.33	6,199.49	181.84	35.092		
11,000.00	7,283.00	7,050.00	7,050.00	151.96	141.41	-90.00	2,244.44	12,778.68	6,281.95	6,100.23	181.71	34.571		
11,100.00	7,283.00	7,050.00	7,050.00	154.49	141.41	-90.00	2,244.44	12,778.68	6,182.59	6,001.00	181.59	34.048		
11,200.00	7,283.00	7,050.00	7,050.00	157.01	141.41	-90.00	2,244.44	12,778.68	6,083.25	5,901.79	181.46	33.524		
11,300.00	7,283.00	7,050.00	7,050.00	159.55	141.41	-90.00	2,244.44	12,778.68	5,983.93	5,802.59	181.34	32.998		
11,400.00	7,283.00	7,050.00	7,050.00	162.09	141.41	-90.00	2,244.44	12,778.68	5,884.63	5,703.41	181.23	32.471		
11,500.00	7,283.00	7,050.00	7,050.00	164.64	141.41	-90.00	2,244.44	12,778.68	5,785.36	5,604.25	181.12	31.943		
11,600.00	7,283.00	7,050.00	7,050.00	167.19	141.41	-90.00	2,244.44	12,778.68	5,686.12	5,505.11	181.01	31.413		
11,700.00	7,283.00	7,050.00	7,050.00	169.75	141.41	-90.00	2,244.44	12,778.68	5,586.90	5,405.99	180.91	30.882		
11,800.00	7,283.00	7,050.00	7,050.00	172.31	141.41	-90.00	2,244.44	12,778.68	5,487.71	5,306.89	180.82	30.348		
11,900.00	7,283.00	7,050.00	7,050.00	174.88	141.41	-90.00	2,244.44	12,778.68	5,388.55	5,207.81	180.74	29.813		
12,000.00	7,283.00	7,050.00	7,050.00	177.45	141.41	-90.00	2,244.44	12,778.68	5,289.42	5,108.75	180.68	29.276		
12,100.00	7,283.00	7,050.00	7,050.00	180.03	141.41	-90.00	2,244.44	12,778.68	5,190.33	5,009.71	180.62	28.736		
12,200.00	7,283.00	7,050.00	7,050.00	182.61	141.41	-90.00	2,244.44	12,778.68	5,091.27	4,910.69	180.58	28.195		
12,300.00	7,283.00	7,050.00	7,050.00	185.19	141.41	-90.00	2,244.44	12,778.68	4,992.25	4,811.70	180.55	27.650		
12,400.00	7,283.00	7,050.00	7,050.00	187.78	141.41	-90.00	2,244.44	12,778.68	4,893.27	4,712.72	180.54	27.103		
12,500.00	7,283.00	7,050.00	7,050.00	190.37	141.41	-90.00	2,244.44	12,778.68	4,794.33	4,613.77	180.55	26.554		
12,600.00	7,283.00	7,050.00	7,050.00	192.97	141.41	-90.00	2,244.44	12,778.68	4,695.43	4,514.84	180.59	26.001		
12,700.00	7,283.00	7,050.00	7,050.00	195.57	141.41	-90.00	2,244.44	12,778.68	4,596.58	4,415.93	180.65	25.445		
12,800.00	7,283.00	7,050.00	7,050.00	198.17	141.41	-90.00	2,244.44	12,778.68	4,497.79	4,317.05	180.74	24.885		
12,900.00	7,283.00	7,050.00	7,050.00	200.77	141.41	-90.00	2,244.44	12,778.68	4,399.05	4,218.18	180.86	24.322		
13,000.00	7,283.00	7,050.00	7,050.00	203.38	141.41	-90.00	2,244.44	12,778.68	4,300.36	4,119.34	181.03	23.756		
13,100.00	7,283.00	7,050.00	7,050.00	205.99	141.41	-90.00	2,244.44	12,778.68	4,201.74	4,020.51	181.23	23.185		
13,200.00	7,283.00	7,050.00	7,050.00	208.61	141.41	-90.00	2,244.44	12,778.68	4,103.19	3,921.71	181.48	22.610		
13,300.00	7,283.00	7,050.00	7,050.00	211.22	141.41	-90.00	2,244.44	12,778.68	4,004.71	3,822.92	181.78	22.030		
13,400.00	7,283.00	7,050.00	7,050.00	213.84	141.41	-90.00	2,244.44	12,778.68	3,906.30	3,724.16	182.14	21.446		
13,500.00	7,283.00	7,050.00	7,050.00	216.47	141.41	-90.00	2,244.44	12,778.68	3,807.98	3,625.41	182.57	20.857		
13,600.00	7,283.00	7,050.00	7,050.00	219.09	141.41	-90.00	2,244.44	12,778.68	3,709.74	3,526.67	183.07	20.264		
13,700.00	7,283.00	7,050.00	7,050.00	221.72	141.41	-90.00	2,244.44	12,778.68	3,611.61	3,427.95	183.65	19.665		
13,800.00	7,283.00	7,050.00	7,050.00	224.34	141.41	-90.00	2,244.44	12,778.68	3,513.58	3,329.25	184.33	19.062		
13,900.00	7,283.00	7,050.00	7,050.00	226.97	141.41	-90.00	2,244.44	12,778.68	3,415.66	3,230.56	185.10	18.453		
14,000.00	7,283.00	7,050.00	7,050.00	229.61	141.41	-90.00	2,244.44	12,778.68	3,317.87	3,131.89	185.98	17.840		
14,100.00	7,283.00	7,050.00	7,050.00	232.24	141.41	-90.00	2,244.44	12,778.68	3,220.21	3,033.22	186.99	17.221		
14,200.00	7,283.00	7,050.00	7,050.00	234.88	141.41	-90.00	2,244.44	12,778.68	3,122.70	2,934.57	188.13	16.598		
14,300.00	7,283.00	7,050.00	7,050.00	237.52	141.41	-90.00	2,244.44	12,778.68	3,025.36	2,835.93	189.43	15.971		
14,400.00	7,283.00	7,050.00	7,050.00	240.16	141.41	-90.00	2,244.44	12,778.68	2,928.19	2,737.30	190.89	15.340		
14,500.00	7,283.00	7,050.00	7,050.00	242.80	141.41	-90.00	2,244.44	12,778.68	2,831.22	2,638.68	192.54	14.705		
14,600.00	7,283.00	7,050.00	7,050.00	245.44	141.41	-90.00	2,244.44	12,778.68	2,734.47	2,540.08	194.39	14.067		
14,700.00	7,283.00	7,050.00	7,050.00	248.09	141.41	-90.00	2,244.44	12,778.68	2,637.96	2,441.50	196.46	13.427		
14,800.00	7,283.00	7,050.00	7,050.00	250.74	141.41	-90.00	2,244.44	12,778.68	2,541.72	2,342.94	198.79	12.786		
14,900.00	7,283.00	7,050.00	7,050.00	253.38	141.41	-90.00	2,244.44	12,778.68	2,445.78	2,244.40	201.39	12.145		
15,000.00	7,283.00	7,050.00	7,050.00	256.03	141.41	-90.00	2,244.44	12,778.68	2,350.19	2,145.89	204.29	11.504		
15,100.00	7,283.00	7,050.00	7,050.00	258.69	141.41	-90.00	2,244.44	12,778.68	2,254.97	2,047.43	207.54	10.865		
15,200.00	7,283.00	7,050.00	7,050.00	261.34	141.41	-90.00	2,244.44	12,778.68	2,160.19	1,949.01	211.17	10.229		
15,300.00	7,283.00	7,050.00	7,050.00	263.99	141.41	-90.00	2,244.44	12,778.68	2,065.89	1,850.67	215.23	9.599		
15,400.00	7,283.00	7,050.00	7,050.00	266.65	141.41	-90.00	2,244.44	12,778.68	1,972.16	1,752.41	219.76	8.974		
15,500.00	7,283.00	7,050.00	7,050.00	269.31	141.41	-90.00	2,244.44	12,778.68	1,879.08	1,654.25	224.82	8.358		
15,600.00	7,283.00	7,050.00	7,050.00	271.96	141.41	-90.00	2,244.44	12,778.68	1,786.74	1,556.25	230.50	7.752		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,700.00	7,283.00	7,050.00	7,050.00	274.62	141.41	-90.00	2,244.44	12,778.68	1,695.28	1,458.42	236.85	7.157		
15,800.00	7,283.00	7,050.00	7,050.00	277.28	141.41	-90.00	2,244.44	12,778.68	1,604.83	1,360.84	243.99	6.577		
15,900.00	7,283.00	7,050.00	7,050.00	279.94	141.41	-90.00	2,244.44	12,778.68	1,515.58	1,263.58	252.00	6.014		
16,000.00	7,283.00	7,050.00	7,050.00	282.61	141.41	-90.00	2,244.44	12,778.68	1,427.76	1,166.74	261.02	5.470		
16,100.00	7,283.00	7,050.00	7,050.00	285.27	141.41	-90.00	2,244.44	12,778.68	1,341.65	1,070.47	271.18	4.947		
16,200.00	7,283.00	7,050.00	7,050.00	287.94	141.41	-90.00	2,244.44	12,778.68	1,257.59	974.97	282.62	4.450		
16,300.00	7,283.00	7,050.00	7,050.00	290.60	141.41	-90.00	2,244.44	12,778.68	1,176.03	880.53	295.50	3.980		
16,400.00	7,283.00	7,050.00	7,050.00	293.27	141.41	-90.00	2,244.44	12,778.68	1,097.52	787.57	309.95	3.541		
16,500.00	7,283.00	7,050.00	7,050.00	295.94	141.41	-90.00	2,244.44	12,778.68	1,022.77	696.70	326.07	3.137		
16,600.00	7,283.00	7,050.00	7,050.00	298.60	141.41	-90.00	2,244.44	12,778.68	952.67	608.79	343.88	2.770		
16,700.00	7,283.00	7,050.00	7,050.00	301.27	141.41	-90.00	2,244.44	12,778.68	888.31	525.11	363.20	2.446		
16,800.00	7,283.00	7,050.00	7,050.00	303.94	141.41	-90.00	2,244.44	12,778.68	831.03	447.43	383.60	2.166		
16,900.00	7,283.00	7,050.00	7,050.00	306.62	141.41	-90.00	2,244.44	12,778.68	782.38	378.16	404.22	1.936		
17,000.00	7,283.00	7,050.00	7,050.00	309.29	141.41	-90.00	2,244.44	12,778.68	744.06	320.33	423.73	1.756		
17,100.00	7,283.00	7,050.00	7,050.00	311.96	141.41	-90.00	2,244.44	12,778.68	717.73	277.32	440.41	1.630		
17,200.00	7,283.00	7,050.00	7,050.00	314.63	141.41	-90.00	2,244.44	12,778.68	704.74	252.24	452.50	1.557		
17,242.44	7,283.00	7,050.00	7,050.00	315.77	141.41	-90.00	2,244.44	12,778.68	703.46	247.56	455.89	1.543 CC		
17,300.00	7,283.00	7,050.00	7,050.00	317.31	141.41	-90.00	2,244.44	12,778.68	705.81	247.10	458.70	1.539 ES, SF		
17,400.00	7,283.00	7,050.00	7,050.00	319.98	141.41	-90.00	2,244.44	12,778.68	720.89	262.17	458.72	1.572		
17,500.00	7,283.00	7,050.00	7,050.00	322.66	141.41	-90.00	2,244.44	12,778.68	749.13	295.87	453.26	1.653		
17,600.00	7,283.00	7,050.00	7,050.00	325.34	141.41	-90.00	2,244.44	12,778.68	789.12	345.40	443.72	1.778		
17,700.00	7,283.00	7,050.00	7,050.00	328.01	141.41	-90.00	2,244.44	12,778.68	839.18	407.52	431.65	1.944		
17,800.00	7,283.00	7,050.00	7,050.00	330.69	141.41	-90.00	2,244.44	12,778.68	897.62	479.22	418.41	2.145		
17,900.00	7,283.00	7,050.00	7,050.00	333.37	141.41	-90.00	2,244.44	12,778.68	962.93	557.98	404.96	2.378		
18,000.00	7,283.00	7,050.00	7,050.00	336.05	141.41	-90.00	2,244.44	12,778.68	1,033.81	641.89	391.92	2.638		
18,100.00	7,283.00	7,050.00	7,050.00	338.73	141.41	-90.00	2,244.44	12,778.68	1,109.17	729.54	379.63	2.922		
18,200.00	7,283.00	7,050.00	7,050.00	341.41	141.41	-90.00	2,244.44	12,778.68	1,188.18	819.93	368.25	3.227		
18,300.00	7,283.00	7,050.00	7,050.00	344.09	141.41	-90.00	2,244.44	12,778.68	1,270.15	912.32	357.83	3.550		
18,400.00	7,283.00	7,050.00	7,050.00	346.77	141.41	-90.00	2,244.44	12,778.68	1,354.55	1,006.21	348.34	3.889		
18,500.00	7,283.00	7,050.00	7,050.00	349.46	141.41	-90.00	2,244.44	12,778.68	1,440.94	1,101.22	339.72	4.242		
18,600.00	7,283.00	7,050.00	7,050.00	352.14	141.41	-90.00	2,244.44	12,778.68	1,529.00	1,197.10	331.90	4.607		
18,700.00	7,283.00	7,050.00	7,050.00	354.82	141.41	-90.00	2,244.44	12,778.68	1,618.44	1,293.64	324.80	4.983		
18,800.00	7,283.00	7,050.00	7,050.00	357.51	141.41	-90.00	2,244.44	12,778.68	1,709.05	1,390.71	318.34	5.369		
18,900.00	7,283.00	7,050.00	7,050.00	360.19	141.41	-90.00	2,244.44	12,778.68	1,800.66	1,488.19	312.47	5.763		
19,000.00	7,283.00	7,050.00	7,050.00	362.88	141.41	-90.00	2,244.44	12,778.68	1,893.11	1,586.01	307.11	6.164		
19,100.00	7,283.00	7,050.00	7,050.00	365.56	141.41	-90.00	2,244.44	12,778.68	1,986.30	1,684.10	302.20	6.573		
19,200.00	7,283.00	7,050.00	7,050.00	368.25	141.41	-90.00	2,244.44	12,778.68	2,080.12	1,782.41	297.71	6.987		
19,247.68	7,283.00	7,050.00	7,050.00	369.53	141.41	-90.00	2,244.44	12,778.68	2,125.05	1,829.35	295.70	7.186		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,550.00	7,192.40	7,008.40	7,008.40	93.63	140.57	34.52	-456.07	14,109.74	10,194.35	9,996.57	197.77	51.546		
8,600.00	7,217.15	7,033.15	7,033.15	94.64	141.07	36.23	-456.07	14,109.74	10,153.36	9,954.63	198.73	51.092		
8,650.00	7,238.16	7,054.16	7,054.16	95.70	141.49	39.00	-456.07	14,109.74	10,110.19	9,910.60	199.59	50.654		
8,700.00	7,255.29	7,071.29	7,071.29	96.80	141.84	43.27	-456.07	14,109.74	10,065.17	9,864.82	200.35	50.237		
8,750.00	7,268.39	7,084.39	7,084.39	97.92	142.10	49.86	-456.07	14,109.74	10,018.64	9,817.64	201.01	49.842		
8,800.00	7,277.37	7,093.37	7,093.37	99.06	142.28	60.18	-456.07	14,109.74	9,970.96	9,769.41	201.54	49.473		
8,850.00	7,282.15	7,098.15	7,098.15	100.20	142.38	76.29	-456.07	14,109.74	9,922.47	9,720.51	201.96	49.131		
8,881.61	7,283.00	7,099.00	7,099.00	100.91	142.39	90.00	-456.07	14,109.74	9,891.57	9,689.41	202.16	48.929		
8,900.00	7,283.00	7,099.00	7,099.00	101.33	142.39	90.00	-456.07	14,109.74	9,873.55	9,671.29	202.26	48.816		
9,000.00	7,283.00	7,099.00	7,099.00	103.59	142.39	90.00	-456.07	14,109.74	9,775.65	9,572.82	202.82	48.198		
9,100.00	7,283.00	7,099.00	7,099.00	105.87	142.39	90.00	-456.07	14,109.74	9,677.78	9,474.38	203.40	47.580		
9,200.00	7,283.00	7,099.00	7,099.00	108.18	142.39	90.00	-456.07	14,109.74	9,579.96	9,375.97	203.99	46.963		
9,300.00	7,283.00	7,099.00	7,099.00	110.50	142.39	90.00	-456.07	14,109.74	9,482.19	9,277.59	204.60	46.346		
9,400.00	7,283.00	7,099.00	7,099.00	112.84	142.39	90.00	-456.07	14,109.74	9,384.46	9,179.24	205.22	45.729		
9,500.00	7,283.00	7,099.00	7,099.00	115.19	142.39	90.00	-456.07	14,109.74	9,286.78	9,080.92	205.86	45.113		
9,600.00	7,283.00	7,099.00	7,099.00	117.56	142.39	90.00	-456.07	14,109.74	9,189.15	8,982.64	206.51	44.497		
9,700.00	7,283.00	7,099.00	7,099.00	119.95	142.39	90.00	-456.07	14,109.74	9,091.57	8,884.39	207.18	43.882		
9,800.00	7,283.00	7,099.00	7,099.00	122.34	142.39	90.00	-456.07	14,109.74	8,994.04	8,786.17	207.87	43.267		
9,900.00	7,283.00	7,099.00	7,099.00	124.76	142.39	90.00	-456.07	14,109.74	8,896.57	8,687.99	208.58	42.653		
10,000.00	7,283.00	7,099.00	7,099.00	127.18	142.39	90.00	-456.07	14,109.74	8,799.16	8,589.85	209.31	42.039		
10,100.00	7,283.00	7,099.00	7,099.00	129.61	142.39	90.00	-456.07	14,109.74	8,701.80	8,491.75	210.06	41.426		
10,200.00	7,283.00	7,099.00	7,099.00	132.06	142.39	90.00	-456.07	14,109.74	8,604.51	8,393.69	210.82	40.814		
10,300.00	7,283.00	7,099.00	7,099.00	134.52	142.39	90.00	-456.07	14,109.74	8,507.28	8,295.67	211.61	40.203		
10,400.00	7,283.00	7,099.00	7,099.00	136.98	142.39	90.00	-456.07	14,109.74	8,410.11	8,197.69	212.42	39.592		
10,500.00	7,283.00	7,099.00	7,099.00	139.46	142.39	90.00	-456.07	14,109.74	8,313.01	8,099.76	213.25	38.982		
10,600.00	7,283.00	7,099.00	7,099.00	141.94	142.39	90.00	-456.07	14,109.74	8,215.98	8,001.88	214.11	38.373		
10,700.00	7,283.00	7,099.00	7,099.00	144.44	142.39	90.00	-456.07	14,109.74	8,119.03	7,904.04	214.99	37.765		
10,800.00	7,283.00	7,099.00	7,099.00	146.94	142.39	90.00	-456.07	14,109.74	8,022.14	7,806.25	215.89	37.159		
10,900.00	7,283.00	7,099.00	7,099.00	149.45	142.39	90.00	-456.07	14,109.74	7,925.34	7,708.52	216.82	36.553		
11,000.00	7,283.00	7,099.00	7,099.00	151.96	142.39	90.00	-456.07	14,109.74	7,828.61	7,610.84	217.77	35.948		
11,100.00	7,283.00	7,099.00	7,099.00	154.49	142.39	90.00	-456.07	14,109.74	7,731.97	7,513.21	218.76	35.345		
11,200.00	7,283.00	7,099.00	7,099.00	157.01	142.39	90.00	-456.07	14,109.74	7,635.41	7,415.65	219.77	34.743		
11,300.00	7,283.00	7,099.00	7,099.00	159.55	142.39	90.00	-456.07	14,109.74	7,538.95	7,318.14	220.81	34.143		
11,400.00	7,283.00	7,099.00	7,099.00	162.09	142.39	90.00	-456.07	14,109.74	7,442.58	7,220.70	221.88	33.544		
11,500.00	7,283.00	7,099.00	7,099.00	164.64	142.39	90.00	-456.07	14,109.74	7,346.30	7,123.32	222.98	32.946		
11,600.00	7,283.00	7,099.00	7,099.00	167.19	142.39	90.00	-456.07	14,109.74	7,250.13	7,026.02	224.11	32.351		
11,700.00	7,283.00	7,099.00	7,099.00	169.75	142.39	90.00	-456.07	14,109.74	7,154.06	6,928.78	225.28	31.757		
11,800.00	7,283.00	7,099.00	7,099.00	172.31	142.39	90.00	-456.07	14,109.74	7,058.10	6,831.62	226.48	31.164		
11,900.00	7,283.00	7,099.00	7,099.00	174.88	142.39	90.00	-456.07	14,109.74	6,962.25	6,734.53	227.72	30.574		
12,000.00	7,283.00	7,099.00	7,099.00	177.45	142.39	90.00	-456.07	14,109.74	6,866.52	6,637.52	229.00	29.985		
12,100.00	7,283.00	7,099.00	7,099.00	180.03	142.39	90.00	-456.07	14,109.74	6,770.92	6,540.60	230.31	29.399		
12,200.00	7,283.00	7,099.00	7,099.00	182.61	142.39	90.00	-456.07	14,109.74	6,675.44	6,443.77	231.67	28.815		
12,300.00	7,283.00	7,099.00	7,099.00	185.19	142.39	90.00	-456.07	14,109.74	6,580.10	6,347.03	233.07	28.233		
12,400.00	7,283.00	7,099.00	7,099.00	187.78	142.39	90.00	-456.07	14,109.74	6,484.90	6,250.39	234.51	27.653		
12,500.00	7,283.00	7,099.00	7,099.00	190.37	142.39	90.00	-456.07	14,109.74	6,389.84	6,153.85	236.00	27.076		
12,600.00	7,283.00	7,099.00	7,099.00	192.97	142.39	90.00	-456.07	14,109.74	6,294.94	6,057.41	237.53	26.501		
12,700.00	7,283.00	7,099.00	7,099.00	195.57	142.39	90.00	-456.07	14,109.74	6,200.20	5,961.08	239.12	25.930		
12,800.00	7,283.00	7,099.00	7,099.00	198.17	142.39	90.00	-456.07	14,109.74	6,105.63	5,864.87	240.75	25.360		
12,900.00	7,283.00	7,099.00	7,099.00	200.77	142.39	90.00	-456.07	14,109.74	6,011.23	5,768.78	242.44	24.794		
13,000.00	7,283.00	7,099.00	7,099.00	203.38	142.39	90.00	-456.07	14,109.74	5,917.01	5,672.82	244.19	24.231		
13,100.00	7,283.00	7,099.00	7,099.00	205.99	142.39	90.00	-456.07	14,109.74	5,822.99	5,577.00	246.00	23.671		
13,200.00	7,283.00	7,099.00	7,099.00	208.61	142.39	90.00	-456.07	14,109.74	5,729.17	5,481.31	247.86	23.114		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,300.00	7,283.00	7,099.00	7,099.00	211.22	142.39	90.00	-456.07	14,109.74	5,635.57	5,385.78	249.79	22.561		
13,400.00	7,283.00	7,099.00	7,099.00	213.84	142.39	90.00	-456.07	14,109.74	5,542.19	5,290.40	251.79	22.011		
13,500.00	7,283.00	7,099.00	7,099.00	216.47	142.39	90.00	-456.07	14,109.74	5,449.04	5,195.19	253.85	21.466		
13,600.00	7,283.00	7,099.00	7,099.00	219.09	142.39	90.00	-456.07	14,109.74	5,356.14	5,100.15	255.99	20.923		
13,700.00	7,283.00	7,099.00	7,099.00	221.72	142.39	90.00	-456.07	14,109.74	5,263.50	5,005.30	258.20	20.385		
13,800.00	7,283.00	7,099.00	7,099.00	224.34	142.39	90.00	-456.07	14,109.74	5,171.13	4,910.64	260.49	19.851		
13,900.00	7,283.00	7,099.00	7,099.00	226.97	142.39	90.00	-456.07	14,109.74	5,079.06	4,816.19	262.87	19.322		
14,000.00	7,283.00	7,099.00	7,099.00	229.61	142.39	90.00	-456.07	14,109.74	4,987.28	4,721.96	265.33	18.797		
14,100.00	7,283.00	7,099.00	7,099.00	232.24	142.39	90.00	-456.07	14,109.74	4,895.83	4,627.96	267.88	18.277		
14,200.00	7,283.00	7,099.00	7,099.00	234.88	142.39	90.00	-456.07	14,109.74	4,804.73	4,534.21	270.52	17.761		
14,300.00	7,283.00	7,099.00	7,099.00	237.52	142.39	90.00	-456.07	14,109.74	4,713.98	4,440.71	273.26	17.251		
14,400.00	7,283.00	7,099.00	7,099.00	240.16	142.39	90.00	-456.07	14,109.74	4,623.61	4,347.50	276.11	16.746		
14,500.00	7,283.00	7,099.00	7,099.00	242.80	142.39	90.00	-456.07	14,109.74	4,533.65	4,254.58	279.06	16.246		
14,600.00	7,283.00	7,099.00	7,099.00	245.44	142.39	90.00	-456.07	14,109.74	4,444.12	4,161.99	282.13	15.752		
14,700.00	7,283.00	7,099.00	7,099.00	248.09	142.39	90.00	-456.07	14,109.74	4,355.04	4,069.72	285.32	15.264		
14,800.00	7,283.00	7,099.00	7,099.00	250.74	142.39	90.00	-456.07	14,109.74	4,266.44	3,977.82	288.62	14.782		
14,900.00	7,283.00	7,099.00	7,099.00	253.38	142.39	90.00	-456.07	14,109.74	4,178.37	3,886.31	292.06	14.306		
15,000.00	7,283.00	7,099.00	7,099.00	256.03	142.39	90.00	-456.07	14,109.74	4,090.84	3,795.20	295.63	13.838		
15,100.00	7,283.00	7,099.00	7,099.00	258.69	142.39	90.00	-456.07	14,109.74	4,003.89	3,704.54	299.35	13.375		
15,200.00	7,283.00	7,099.00	7,099.00	261.34	142.39	90.00	-456.07	14,109.74	3,917.57	3,614.36	303.21	12.920		
15,300.00	7,283.00	7,099.00	7,099.00	263.99	142.39	90.00	-456.07	14,109.74	3,831.91	3,524.69	307.22	12.473		
15,400.00	7,283.00	7,099.00	7,099.00	266.65	142.39	90.00	-456.07	14,109.74	3,746.96	3,435.57	311.39	12.033		
15,500.00	7,283.00	7,099.00	7,099.00	269.31	142.39	90.00	-456.07	14,109.74	3,662.77	3,347.05	315.73	11.601		
15,600.00	7,283.00	7,099.00	7,099.00	271.96	142.39	90.00	-456.07	14,109.74	3,579.40	3,259.16	320.24	11.177		
15,700.00	7,283.00	7,099.00	7,099.00	274.62	142.39	90.00	-456.07	14,109.74	3,496.90	3,171.97	324.93	10.762		
15,800.00	7,283.00	7,099.00	7,099.00	277.28	142.39	90.00	-456.07	14,109.74	3,415.33	3,085.53	329.80	10.356		
15,900.00	7,283.00	7,099.00	7,099.00	279.94	142.39	90.00	-456.07	14,109.74	3,334.77	2,999.91	334.86	9.959		
16,000.00	7,283.00	7,099.00	7,099.00	282.61	142.39	90.00	-456.07	14,109.74	3,255.29	2,915.17	340.11	9.571		
16,100.00	7,283.00	7,099.00	7,099.00	285.27	142.39	90.00	-456.07	14,109.74	3,176.96	2,831.39	345.57	9.193		
16,200.00	7,283.00	7,099.00	7,099.00	287.94	142.39	90.00	-456.07	14,109.74	3,099.88	2,748.66	351.22	8.826		
16,300.00	7,283.00	7,099.00	7,099.00	290.60	142.39	90.00	-456.07	14,109.74	3,024.15	2,667.07	357.08	8.469		
16,400.00	7,283.00	7,099.00	7,099.00	293.27	142.39	90.00	-456.07	14,109.74	2,949.86	2,586.72	363.14	8.123		
16,500.00	7,283.00	7,099.00	7,099.00	295.94	142.39	90.00	-456.07	14,109.74	2,877.13	2,507.73	369.40	7.789		
16,600.00	7,283.00	7,099.00	7,099.00	298.60	142.39	90.00	-456.07	14,109.74	2,806.07	2,430.22	375.85	7.466		
16,700.00	7,283.00	7,099.00	7,099.00	301.27	142.39	90.00	-456.07	14,109.74	2,736.83	2,354.34	382.49	7.155		
16,800.00	7,283.00	7,099.00	7,099.00	303.94	142.39	90.00	-456.07	14,109.74	2,669.54	2,280.23	389.31	6.857		
16,900.00	7,283.00	7,099.00	7,099.00	306.62	142.39	90.00	-456.07	14,109.74	2,604.35	2,208.06	396.29	6.572		
17,000.00	7,283.00	7,099.00	7,099.00	309.29	142.39	90.00	-456.07	14,109.74	2,541.42	2,138.02	403.40	6.300		
17,100.00	7,283.00	7,099.00	7,099.00	311.96	142.39	90.00	-456.07	14,109.74	2,480.93	2,070.31	410.62	6.042		
17,200.00	7,283.00	7,099.00	7,099.00	314.63	142.39	90.00	-456.07	14,109.74	2,423.06	2,005.14	417.92	5.798		
17,300.00	7,283.00	7,099.00	7,099.00	317.31	142.39	90.00	-456.07	14,109.74	2,368.00	1,942.75	425.25	5.569		
17,400.00	7,283.00	7,099.00	7,099.00	319.98	142.39	90.00	-456.07	14,109.74	2,315.95	1,883.39	432.56	5.354		
17,500.00	7,283.00	7,099.00	7,099.00	322.66	142.39	90.00	-456.07	14,109.74	2,267.11	1,827.31	439.80	5.155		
17,600.00	7,283.00	7,099.00	7,099.00	325.34	142.39	90.00	-456.07	14,109.74	2,221.71	1,774.81	446.90	4.971		
17,700.00	7,283.00	7,099.00	7,099.00	328.01	142.39	90.00	-456.07	14,109.74	2,179.95	1,726.16	453.79	4.804		
17,800.00	7,283.00	7,099.00	7,099.00	330.69	142.39	90.00	-456.07	14,109.74	2,142.05	1,681.66	460.39	4.653		
17,900.00	7,283.00	7,099.00	7,099.00	333.37	142.39	90.00	-456.07	14,109.74	2,108.22	1,641.60	466.61	4.518		
18,000.00	7,283.00	7,099.00	7,099.00	336.05	142.39	90.00	-456.07	14,109.74	2,078.65	1,606.27	472.37	4.400		
18,100.00	7,283.00	7,099.00	7,099.00	338.73	142.39	90.00	-456.07	14,109.74	2,053.53	1,575.94	477.59	4.300		
18,200.00	7,283.00	7,099.00	7,099.00	341.41	142.39	90.00	-456.07	14,109.74	2,033.02	1,550.85	482.17	4.216		
18,300.00	7,283.00	7,099.00	7,099.00	344.09	142.39	90.00	-456.07	14,109.74	2,017.27	1,531.21	486.05	4.150		
18,400.00	7,283.00	7,099.00	7,099.00	346.77	142.39	90.00	-456.07	14,109.74	2,006.38	1,517.21	489.17	4.102		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 1-T4N-R68W - SI QUARTER CIRCLE 1-918 - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-INC												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
18,500.00	7,283.00	7,099.00	7,099.00	349.46	142.39	90.00	-456.07	14,109.74	2,000.44	1,508.97	491.46	4.070	
18,569.03	7,283.00	7,099.00	7,099.00	351.31	142.39	90.00	-456.07	14,109.74	1,999.25	1,506.69	492.55	4.059 CC	
18,600.00	7,283.00	7,099.00	7,099.00	352.14	142.39	90.00	-456.07	14,109.74	1,999.49	1,506.58	492.91	4.056 ES, SF	
18,700.00	7,283.00	7,099.00	7,099.00	354.82	142.39	90.00	-456.07	14,109.74	2,003.53	1,510.04	493.50	4.060	
18,800.00	7,283.00	7,099.00	7,099.00	357.51	142.39	90.00	-456.07	14,109.74	2,012.54	1,519.32	493.22	4.080	
18,900.00	7,283.00	7,099.00	7,099.00	360.19	142.39	90.00	-456.07	14,109.74	2,026.46	1,534.33	492.12	4.118	
19,000.00	7,283.00	7,099.00	7,099.00	362.88	142.39	90.00	-456.07	14,109.74	2,045.17	1,554.94	490.23	4.172	
19,100.00	7,283.00	7,099.00	7,099.00	365.56	142.39	90.00	-456.07	14,109.74	2,068.55	1,580.95	487.61	4.242	
19,200.00	7,283.00	7,099.00	7,099.00	368.25	142.39	90.00	-456.07	14,109.74	2,096.45	1,612.13	484.32	4.329	
19,247.68	7,283.00	7,099.00	7,099.00	369.53	142.39	90.00	-456.07	14,109.74	2,111.29	1,628.75	482.54	4.375	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 2-T4N-R68W - ABND VERT AVEX 2A - Wellbore #1 - Design #1		Offset Site Error: 0.00 usft	
Survey Program: 0-MWD														Offset Well Error: 0.00 usft		
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
100.00	100.00	0.00	0.00	0.27	0.00	75.24	1,616.04	6,134.05	6,343.38	6,343.11	0.27	N/A				
141.67	141.67	21.67	21.67	0.42	0.03	75.24	1,616.04	6,134.05	6,343.35	6,342.90	0.45	N/A				
200.00	200.00	80.00	80.00	0.63	0.12	75.24	1,616.04	6,134.05	6,343.35	6,342.60	0.75	8,434.481				
300.00	299.98	179.98	179.98	0.98	0.44	5.64	1,616.04	6,134.05	6,341.62	6,340.19	1.42	4,450.459				
400.00	399.84	279.84	279.84	1.34	0.80	5.65	1,616.04	6,134.05	6,336.41	6,334.27	2.14	2,958.222				
500.00	499.45	379.45	379.45	1.71	1.16	5.68	1,616.04	6,134.05	6,327.73	6,324.87	2.86	2,210.807				
600.00	598.70	478.70	478.70	2.10	1.51	5.71	1,616.04	6,134.05	6,315.61	6,312.02	3.58	1,762.140				
700.00	697.47	577.47	577.47	2.51	1.87	5.76	1,616.04	6,134.05	6,300.04	6,295.73	4.31	1,462.709				
800.00	795.62	675.62	675.62	2.95	2.22	5.81	1,616.04	6,134.05	6,281.05	6,276.02	5.03	1,248.425				
900.00	893.06	773.06	773.06	3.43	2.57	5.88	1,616.04	6,134.05	6,258.67	6,252.92	5.76	1,087.287				
1,000.00	989.64	869.64	869.64	3.95	2.91	5.96	1,616.04	6,134.05	6,232.92	6,226.44	6.48	961.548				
1,100.00	1,085.27	965.27	965.27	4.52	3.26	6.05	1,616.04	6,134.05	6,203.83	6,196.62	7.21	860.580				
1,200.00	1,179.82	1,059.82	1,059.82	5.14	3.60	6.16	1,616.04	6,134.05	6,171.44	6,163.50	7.94	777.632				
1,300.00	1,273.17	1,153.17	1,153.17	5.81	3.93	6.28	1,616.04	6,134.05	6,135.79	6,127.13	8.66	708.212				
1,400.00	1,365.21	1,245.21	1,245.21	6.54	4.26	6.41	1,616.04	6,134.05	6,096.92	6,087.53	9.39	649.213				
1,500.00	1,455.84	1,335.84	1,335.84	7.33	4.59	6.56	1,616.04	6,134.05	6,054.88	6,044.77	10.12	598.419				
1,600.00	1,544.94	1,424.94	1,424.94	8.19	4.91	6.73	1,616.04	6,134.05	6,009.73	5,998.89	10.84	554.208				
1,700.00	1,632.39	1,512.39	1,512.39	9.12	5.22	6.91	1,616.04	6,134.05	5,961.51	5,949.95	11.57	515.362				
1,800.00	1,718.11	1,598.11	1,598.11	10.11	5.53	7.12	1,616.04	6,134.05	5,910.30	5,898.01	12.29	480.951				
1,900.00	1,801.97	1,681.97	1,681.97	11.18	5.83	7.35	1,616.04	6,134.05	5,856.14	5,843.13	13.01	450.251				
1,969.27	1,858.92	1,738.92	1,738.92	11.96	6.03	7.52	1,616.04	6,134.05	5,816.94	5,803.44	13.50	430.797				
2,000.00	1,883.98	1,763.98	1,763.98	12.31	6.12	7.54	1,616.04	6,134.05	5,799.25	5,785.52	13.72	422.614				
2,100.00	1,965.50	1,845.50	1,845.50	13.48	6.41	7.62	1,616.04	6,134.05	5,741.68	5,727.25	14.43	397.949				
2,200.00	2,047.03	1,927.03	1,927.03	14.65	6.71	7.69	1,616.04	6,134.05	5,684.11	5,668.97	15.14	375.437				
2,300.00	2,128.56	2,008.56	2,008.56	15.84	7.00	7.77	1,616.04	6,134.05	5,626.56	5,610.70	15.86	354.830				
2,400.00	2,210.09	2,090.09	2,090.09	17.03	7.29	7.85	1,616.04	6,134.05	5,569.01	5,552.43	16.58	335.911				
2,500.00	2,291.61	2,171.61	2,171.61	18.23	7.58	7.94	1,616.04	6,134.05	5,511.47	5,494.16	17.30	318.493				
2,600.00	2,373.14	2,253.14	2,253.14	19.44	7.87	8.02	1,616.04	6,134.05	5,453.94	5,435.90	18.03	302.413				
2,700.00	2,454.67	2,334.67	2,334.67	20.64	8.17	8.10	1,616.04	6,134.05	5,396.41	5,377.64	18.77	287.531				
2,800.00	2,536.20	2,416.20	2,416.20	21.86	8.46	8.19	1,616.04	6,134.05	5,338.89	5,319.39	19.50	273.723				
2,900.00	2,617.72	2,497.72	2,497.72	23.07	8.75	8.28	1,616.04	6,134.05	5,281.39	5,261.14	20.24	260.881				
3,000.00	2,699.25	2,579.25	2,579.25	24.29	9.04	8.37	1,616.04	6,134.05	5,223.89	5,202.90	20.99	248.911				
3,100.00	2,780.78	2,660.78	2,660.78	25.50	9.34	8.47	1,616.04	6,134.05	5,166.40	5,144.66	21.73	237.730				
3,200.00	2,862.31	2,742.31	2,742.31	26.73	9.63	8.56	1,616.04	6,134.05	5,108.92	5,086.43	22.48	227.264				
3,300.00	2,943.83	2,823.83	2,823.83	27.95	9.92	8.66	1,616.04	6,134.05	5,051.44	5,028.21	23.23	217.449				
3,400.00	3,025.36	2,905.36	2,905.36	29.17	10.21	8.76	1,616.04	6,134.05	4,993.98	4,970.00	23.98	208.227				
3,500.00	3,106.89	2,986.89	2,986.89	30.40	10.50	8.86	1,616.04	6,134.05	4,936.53	4,911.79	24.74	199.547				
3,600.00	3,188.42	3,068.42	3,068.42	31.62	10.80	8.96	1,616.04	6,134.05	4,879.09	4,853.60	25.50	191.365				
3,700.00	3,269.94	3,149.94	3,149.94	32.85	11.09	9.07	1,616.04	6,134.05	4,821.66	4,795.41	26.26	183.638				
3,800.00	3,351.47	3,231.47	3,231.47	34.07	11.38	9.18	1,616.04	6,134.05	4,764.25	4,737.23	27.02	176.332				
3,900.00	3,433.00	3,313.00	3,313.00	35.30	11.67	9.29	1,616.04	6,134.05	4,706.84	4,679.06	27.78	169.412				
4,000.00	3,514.53	3,394.53	3,394.53	36.53	11.97	9.41	1,616.04	6,134.05	4,649.45	4,620.90	28.55	162.850				
4,100.00	3,596.05	3,476.05	3,476.05	37.76	12.26	9.52	1,616.04	6,134.05	4,592.07	4,562.75	29.32	156.619				
4,200.00	3,677.58	3,557.58	3,557.58	38.99	12.55	9.64	1,616.04	6,134.05	4,534.70	4,504.61	30.09	150.694				
4,300.00	3,759.11	3,639.11	3,639.11	40.22	12.84	9.77	1,616.04	6,134.05	4,477.35	4,446.48	30.87	145.055				
4,400.00	3,840.64	3,720.64	3,720.64	41.45	13.13	9.90	1,616.04	6,134.05	4,420.01	4,388.37	31.64	139.681				
4,500.00	3,922.16	3,802.16	3,802.16	42.68	13.43	10.03	1,616.04	6,134.05	4,362.69	4,330.27	32.42	134.554				
4,600.00	4,003.69	3,883.69	3,883.69	43.91	13.72	10.16	1,616.04	6,134.05	4,305.38	4,272.18	33.21	129.657				
4,700.00	4,085.22	3,965.22	3,965.22	45.15	14.01	10.30	1,616.04	6,134.05	4,248.09	4,214.10	33.99	124.976				
4,800.00	4,166.75	4,046.75	4,046.75	46.38	14.30	10.44	1,616.04	6,134.05	4,190.82	4,156.04	34.78	120.496				
4,900.00	4,248.27	4,128.27	4,128.27	47.61	14.60	10.58	1,616.04	6,134.05	4,133.56	4,097.99	35.57	116.206				
5,000.00	4,329.80	4,209.80	4,209.80	48.84	14.89	10.73	1,616.04	6,134.05	4,076.32	4,039.96	36.37	112.093				

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,411.33	4,291.33	4,291.33	50.08	15.18	10.88	1,616.04	6,134.05	4,019.10	3,981.94	37.16	108.147		
5,200.00	4,492.86	4,372.86	4,372.86	51.31	15.47	11.04	1,616.04	6,134.05	3,961.91	3,923.94	37.96	104.357		
5,300.00	4,574.38	4,454.38	4,454.38	52.54	15.77	11.20	1,616.04	6,134.05	3,904.73	3,865.96	38.77	100.715		
5,400.00	4,655.91	4,535.91	4,535.91	53.78	16.06	11.37	1,616.04	6,134.05	3,847.57	3,807.99	39.58	97.213		
5,500.00	4,737.44	4,617.44	4,617.44	55.01	16.35	11.54	1,616.04	6,134.05	3,790.44	3,750.05	40.39	93.841		
5,600.00	4,818.97	4,698.97	4,698.97	56.24	16.64	11.72	1,616.04	6,134.05	3,733.33	3,692.12	41.21	90.594		
5,700.00	4,900.49	4,780.49	4,780.49	57.48	16.93	11.90	1,616.04	6,134.05	3,676.24	3,634.21	42.03	87.465		
5,800.00	4,982.02	4,862.02	4,862.02	58.71	17.23	12.08	1,616.04	6,134.05	3,619.19	3,576.33	42.86	84.447		
5,900.00	5,063.55	4,943.55	4,943.55	59.95	17.52	12.28	1,616.04	6,134.05	3,562.15	3,518.47	43.69	81.534		
6,000.00	5,145.08	5,025.08	5,025.08	61.18	17.81	12.48	1,616.04	6,134.05	3,505.15	3,460.63	44.53	78.721		
6,100.00	5,226.60	5,106.60	5,106.60	62.42	18.10	12.68	1,616.04	6,134.05	3,448.18	3,402.81	45.37	76.003		
6,200.00	5,308.13	5,188.13	5,188.13	63.65	18.40	12.90	1,616.04	6,134.05	3,391.24	3,345.02	46.22	73.376		
6,300.00	5,389.66	5,269.66	5,269.66	64.89	18.69	13.12	1,616.04	6,134.05	3,334.33	3,287.26	47.07	70.834		
6,400.00	5,471.19	5,351.19	5,351.19	66.12	18.98	13.35	1,616.04	6,134.05	3,277.46	3,229.53	47.93	68.374		
6,500.00	5,552.72	5,432.72	5,432.72	67.36	19.27	13.58	1,616.04	6,134.05	3,220.63	3,171.82	48.80	65.992		
6,600.00	5,634.24	5,514.24	5,514.24	68.59	19.56	13.82	1,616.04	6,134.05	3,163.83	3,114.15	49.68	63.684		
6,700.00	5,715.77	5,595.77	5,595.77	69.83	19.86	14.08	1,616.04	6,134.05	3,107.07	3,056.51	50.57	61.446		
6,800.00	5,797.30	5,677.30	5,677.30	71.06	20.15	14.34	1,616.04	6,134.05	3,050.36	2,998.90	51.46	59.277		
6,900.00	5,878.83	5,758.83	5,758.83	72.30	20.44	14.61	1,616.04	6,134.05	2,993.70	2,941.33	52.36	57.172		
7,000.00	5,960.35	5,840.35	5,840.35	73.53	20.73	14.89	1,616.04	6,134.05	2,937.08	2,883.80	53.28	55.129		
7,100.00	6,041.88	5,921.88	5,921.88	74.77	21.03	15.18	1,616.04	6,134.05	2,880.51	2,826.31	54.20	53.145		
7,200.00	6,123.41	6,003.41	6,003.41	76.01	21.32	15.49	1,616.04	6,134.05	2,824.00	2,768.86	55.14	51.217		
7,300.00	6,204.94	6,084.94	6,084.94	77.24	21.61	15.81	1,616.04	6,134.05	2,767.55	2,711.46	56.09	49.344		
7,400.00	6,286.46	6,166.46	6,166.46	78.48	21.90	16.13	1,616.04	6,134.05	2,711.15	2,654.10	57.05	47.523		
7,500.00	6,367.99	6,247.99	6,247.99	79.71	22.19	16.48	1,616.04	6,134.05	2,654.83	2,596.80	58.03	45.752		
7,600.00	6,449.52	6,329.52	6,329.52	80.95	22.49	16.83	1,616.04	6,134.05	2,598.57	2,539.55	59.02	44.029		
7,700.00	6,531.05	6,411.05	6,411.05	82.19	22.78	17.21	1,616.04	6,134.05	2,542.38	2,482.35	60.03	42.352		
7,800.00	6,612.57	6,492.57	6,492.57	83.42	23.07	17.59	1,616.04	6,134.05	2,486.28	2,425.22	61.06	40.720		
7,900.00	6,694.10	6,574.10	6,574.10	84.66	23.36	18.00	1,616.04	6,134.05	2,430.26	2,368.15	62.11	39.130		
8,000.00	6,775.63	6,655.63	6,655.63	85.89	23.66	18.43	1,616.04	6,134.05	2,374.33	2,311.15	63.18	37.582		
8,100.00	6,857.16	6,737.16	6,737.16	87.13	23.95	18.87	1,616.04	6,134.05	2,318.49	2,254.22	64.27	36.074		
8,200.00	6,938.68	6,818.68	6,818.68	88.37	24.24	19.33	1,616.04	6,134.05	2,262.76	2,197.37	65.39	34.604		
8,300.00	7,020.21	6,900.21	6,900.21	89.60	24.53	19.82	1,616.04	6,134.05	2,207.15	2,140.61	66.54	33.171		
8,310.57	7,028.83	6,908.83	6,908.83	89.73	24.56	19.88	1,616.04	6,134.05	2,201.27	2,134.61	66.66	33.022		
8,350.00	7,060.23	6,940.23	6,940.23	90.25	24.68	17.79	1,616.04	6,134.05	2,178.28	2,111.16	67.12	32.455		
8,400.00	7,097.77	6,977.77	6,977.77	90.98	24.81	15.63	1,616.04	6,134.05	2,146.07	2,078.40	67.67	31.713		
8,450.00	7,132.48	7,012.48	7,012.48	91.79	24.94	13.85	1,616.04	6,134.05	2,110.69	2,042.49	68.19	30.952		
8,500.00	7,164.10	7,044.10	7,044.10	92.67	25.05	12.30	1,616.04	6,134.05	2,072.39	2,003.71	68.67	30.177		
8,550.00	7,192.40	7,072.40	7,072.40	93.63	25.15	10.87	1,616.04	6,134.05	2,031.46	1,962.35	69.11	29.397		
8,600.00	7,217.15	7,097.15	7,097.15	94.64	25.24	9.42	1,616.04	6,134.05	1,988.20	1,918.72	69.48	28.615		
8,650.00	7,238.16	7,118.16	7,118.16	95.70	25.31	7.76	1,616.04	6,134.05	1,942.94	1,873.15	69.79	27.839		
8,700.00	7,255.29	7,135.29	7,135.29	96.80	25.38	5.53	1,616.04	6,134.05	1,896.02	1,825.99	70.03	27.073		
8,750.00	7,268.39	7,148.39	7,148.39	97.92	25.42	1.90	1,616.04	6,134.05	1,847.79	1,777.59	70.20	26.322		
8,800.00	7,277.37	7,157.37	7,157.37	99.06	25.45	-5.94	1,616.04	6,134.05	1,798.62	1,728.34	70.29	25.590		
8,850.00	7,282.15	7,162.15	7,162.15	100.20	25.47	-34.03	1,616.04	6,134.05	1,748.88	1,678.59	70.29	24.882		
8,881.61	7,283.00	7,163.00	7,163.00	100.91	25.47	-90.00	1,616.04	6,134.05	1,717.32	1,647.08	70.25	24.447		
8,900.00	7,283.00	7,163.00	7,163.00	101.33	25.47	-90.00	1,616.04	6,134.05	1,698.95	1,628.74	70.21	24.198		
9,000.00	7,283.00	7,163.00	7,163.00	103.59	25.47	-90.00	1,616.04	6,134.05	1,599.09	1,529.08	70.00	22.843		
9,100.00	7,283.00	7,163.00	7,163.00	105.87	25.47	-90.00	1,616.04	6,134.05	1,499.24	1,429.47	69.77	21.489		
9,200.00	7,283.00	7,163.00	7,163.00	108.18	25.47	-90.00	1,616.04	6,134.05	1,399.42	1,329.92	69.50	20.135		
9,300.00	7,283.00	7,163.00	7,163.00	110.50	25.47	-90.00	1,616.04	6,134.05	1,299.62	1,230.43	69.20	18.782		
9,400.00	7,283.00	7,163.00	7,163.00	112.84	25.47	-90.00	1,616.04	6,134.05	1,199.86	1,131.01	68.85	17.428		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,500.00	7,283.00	7,163.00	7,163.00	115.19	25.47	-90.00	1,616.04	6,134.05	1,100.14	1,031.70	68.44	16.075		
9,600.00	7,283.00	7,163.00	7,163.00	117.56	25.47	-90.00	1,616.04	6,134.05	1,000.48	932.51	67.96	14.721		
9,700.00	7,283.00	7,163.00	7,163.00	119.95	25.47	-90.00	1,616.04	6,134.05	900.89	833.48	67.41	13.365		
9,800.00	7,283.00	7,163.00	7,163.00	122.34	25.47	-90.00	1,616.04	6,134.05	801.40	734.65	66.75	12.006		
9,900.00	7,283.00	7,163.00	7,163.00	124.76	25.47	-90.00	1,616.04	6,134.05	702.06	636.09	65.97	10.642		
10,000.00	7,283.00	7,163.00	7,163.00	127.18	25.47	-90.00	1,616.04	6,134.05	602.94	537.87	65.08	9.265		
10,100.00	7,283.00	7,163.00	7,163.00	129.61	25.47	-90.00	1,616.04	6,134.05	504.17	440.06	64.11	7.864		
10,200.00	7,283.00	7,163.00	7,163.00	132.06	25.47	-90.00	1,616.04	6,134.05	405.99	342.64	63.35	6.409		
10,300.00	7,283.00	7,163.00	7,163.00	134.52	25.47	-90.00	1,616.04	6,134.05	308.99	245.04	63.95	4.832		
10,400.00	7,283.00	7,163.00	7,163.00	136.98	25.47	-90.00	1,616.04	6,134.05	214.76	144.07	70.69	3.038		
10,500.00	7,283.00	7,163.00	7,163.00	139.46	25.47	-90.00	1,616.04	6,134.05	129.50	28.56	100.93	1.283 Level 3		
10,596.77	7,283.00	7,163.00	7,163.00	141.86	25.47	-90.00	1,616.04	6,134.05	86.05	-78.25	164.30	0.524 Level 1, CC		
10,600.00	7,283.00	7,163.00	7,163.00	141.94	25.47	-90.00	1,616.04	6,134.05	86.11	-79.24	165.35	0.521 Level 1, ES, SF		
10,700.00	7,283.00	7,163.00	7,163.00	144.44	25.47	-90.00	1,616.04	6,134.05	134.39	-7.14	141.53	0.950 Level 1		
10,800.00	7,283.00	7,163.00	7,163.00	146.94	25.47	-90.00	1,616.04	6,134.05	220.70	105.71	114.99	1.919		
10,900.00	7,283.00	7,163.00	7,163.00	149.45	25.47	-90.00	1,616.04	6,134.05	315.20	212.91	102.29	3.081		
11,000.00	7,283.00	7,163.00	7,163.00	151.96	25.47	-90.00	1,616.04	6,134.05	412.31	316.90	95.41	4.321		
11,100.00	7,283.00	7,163.00	7,163.00	154.49	25.47	-90.00	1,616.04	6,134.05	510.53	419.33	91.20	5.598		
11,200.00	7,283.00	7,163.00	7,163.00	157.01	25.47	-90.00	1,616.04	6,134.05	609.34	520.93	88.40	6.893		
11,300.00	7,283.00	7,163.00	7,163.00	159.55	25.47	-90.00	1,616.04	6,134.05	708.48	622.05	86.42	8.198		
11,400.00	7,283.00	7,163.00	7,163.00	162.09	25.47	-90.00	1,616.04	6,134.05	807.83	722.87	84.95	9.509		
11,500.00	7,283.00	7,163.00	7,163.00	164.64	25.47	-90.00	1,616.04	6,134.05	907.32	823.49	83.83	10.824		
11,600.00	7,283.00	7,163.00	7,163.00	167.19	25.47	-90.00	1,616.04	6,134.05	1,006.91	923.97	82.94	12.140		
11,700.00	7,283.00	7,163.00	7,163.00	169.75	25.47	-90.00	1,616.04	6,134.05	1,106.58	1,024.35	82.23	13.457		
11,800.00	7,283.00	7,163.00	7,163.00	172.31	25.47	-90.00	1,616.04	6,134.05	1,206.30	1,124.66	81.64	14.775		
11,900.00	7,283.00	7,163.00	7,163.00	174.88	25.47	-90.00	1,616.04	6,134.05	1,306.07	1,224.91	81.16	16.093		
12,000.00	7,283.00	7,163.00	7,163.00	177.45	25.47	-90.00	1,616.04	6,134.05	1,405.87	1,325.11	80.75	17.410		
12,100.00	7,283.00	7,163.00	7,163.00	180.03	25.47	-90.00	1,616.04	6,134.05	1,505.69	1,425.28	80.41	18.726		
12,200.00	7,283.00	7,163.00	7,163.00	182.61	25.47	-90.00	1,616.04	6,134.05	1,605.54	1,525.43	80.11	20.041		
12,300.00	7,283.00	7,163.00	7,163.00	185.19	25.47	-90.00	1,616.04	6,134.05	1,705.40	1,625.55	79.86	21.356		
12,400.00	7,283.00	7,163.00	7,163.00	187.78	25.47	-90.00	1,616.04	6,134.05	1,805.28	1,725.65	79.64	22.669		
12,500.00	7,283.00	7,163.00	7,163.00	190.37	25.47	-90.00	1,616.04	6,134.05	1,905.17	1,825.73	79.44	23.981		
12,600.00	7,283.00	7,163.00	7,163.00	192.97	25.47	-90.00	1,616.04	6,134.05	2,005.08	1,925.80	79.28	25.292		
12,700.00	7,283.00	7,163.00	7,163.00	195.57	25.47	-90.00	1,616.04	6,134.05	2,104.99	2,025.86	79.13	26.601		
12,800.00	7,283.00	7,163.00	7,163.00	198.17	25.47	-90.00	1,616.04	6,134.05	2,204.91	2,125.91	79.00	27.909		
12,900.00	7,283.00	7,163.00	7,163.00	200.77	25.47	-90.00	1,616.04	6,134.05	2,304.84	2,225.95	78.89	29.216		
13,000.00	7,283.00	7,163.00	7,163.00	203.38	25.47	-90.00	1,616.04	6,134.05	2,404.77	2,325.98	78.79	30.521		
13,100.00	7,283.00	7,163.00	7,163.00	205.99	25.47	-90.00	1,616.04	6,134.05	2,504.71	2,426.00	78.70	31.824		
13,200.00	7,283.00	7,163.00	7,163.00	208.61	25.47	-90.00	1,616.04	6,134.05	2,604.65	2,526.02	78.63	33.126		
13,300.00	7,283.00	7,163.00	7,163.00	211.22	25.47	-90.00	1,616.04	6,134.05	2,704.60	2,626.04	78.56	34.427		
13,400.00	7,283.00	7,163.00	7,163.00	213.84	25.47	-90.00	1,616.04	6,134.05	2,804.55	2,726.05	78.50	35.725		
13,500.00	7,283.00	7,163.00	7,163.00	216.47	25.47	-90.00	1,616.04	6,134.05	2,904.51	2,826.05	78.45	37.022		
13,600.00	7,283.00	7,163.00	7,163.00	219.09	25.47	-90.00	1,616.04	6,134.05	3,004.46	2,926.05	78.41	38.317		
13,700.00	7,283.00	7,163.00	7,163.00	221.72	25.47	-90.00	1,616.04	6,134.05	3,104.42	3,026.05	78.37	39.611		
13,800.00	7,283.00	7,163.00	7,163.00	224.34	25.47	-90.00	1,616.04	6,134.05	3,204.39	3,126.04	78.34	40.903		
13,900.00	7,283.00	7,163.00	7,163.00	226.97	25.47	-90.00	1,616.04	6,134.05	3,304.35	3,226.04	78.32	42.193		
14,000.00	7,283.00	7,163.00	7,163.00	229.61	25.47	-90.00	1,616.04	6,134.05	3,404.32	3,326.02	78.29	43.481		
14,100.00	7,283.00	7,163.00	7,163.00	232.24	25.47	-90.00	1,616.04	6,134.05	3,504.29	3,426.01	78.28	44.767		
14,200.00	7,283.00	7,163.00	7,163.00	234.88	25.47	-90.00	1,616.04	6,134.05	3,604.26	3,525.99	78.27	46.052		
14,300.00	7,283.00	7,163.00	7,163.00	237.52	25.47	-90.00	1,616.04	6,134.05	3,704.23	3,625.97	78.26	47.334		
14,400.00	7,283.00	7,163.00	7,163.00	240.16	25.47	-90.00	1,616.04	6,134.05	3,804.20	3,725.95	78.25	48.615		
14,500.00	7,283.00	7,163.00	7,163.00	242.80	25.47	-90.00	1,616.04	6,134.05	3,904.18	3,825.93	78.25	49.894		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,600.00	7,283.00	7,163.00	7,163.00	245.44	25.47	-90.00	1,616.04	6,134.05	4,004.16	3,925.90	78.25	51.170		
14,700.00	7,283.00	7,163.00	7,163.00	248.09	25.47	-90.00	1,616.04	6,134.05	4,104.13	4,025.88	78.26	52.445		
14,800.00	7,283.00	7,163.00	7,163.00	250.74	25.47	-90.00	1,616.04	6,134.05	4,204.11	4,125.85	78.26	53.718		
14,900.00	7,283.00	7,163.00	7,163.00	253.38	25.47	-90.00	1,616.04	6,134.05	4,304.09	4,225.82	78.27	54.989		
15,000.00	7,283.00	7,163.00	7,163.00	256.03	25.47	-90.00	1,616.04	6,134.05	4,404.07	4,325.79	78.28	56.258		
15,100.00	7,283.00	7,163.00	7,163.00	258.69	25.47	-90.00	1,616.04	6,134.05	4,504.05	4,425.76	78.30	57.525		
15,200.00	7,283.00	7,163.00	7,163.00	261.34	25.47	-90.00	1,616.04	6,134.05	4,604.03	4,525.72	78.31	58.790		
15,300.00	7,283.00	7,163.00	7,163.00	263.99	25.47	-90.00	1,616.04	6,134.05	4,704.02	4,625.69	78.33	60.053		
15,400.00	7,283.00	7,163.00	7,163.00	266.65	25.47	-90.00	1,616.04	6,134.05	4,804.00	4,725.65	78.35	61.313		
15,500.00	7,283.00	7,163.00	7,163.00	269.31	25.47	-90.00	1,616.04	6,134.05	4,903.99	4,825.61	78.37	62.572		
15,600.00	7,283.00	7,163.00	7,163.00	271.96	25.47	-90.00	1,616.04	6,134.05	5,003.97	4,925.57	78.40	63.829		
15,700.00	7,283.00	7,163.00	7,163.00	274.62	25.47	-90.00	1,616.04	6,134.05	5,103.96	5,025.53	78.42	65.083		
15,800.00	7,283.00	7,163.00	7,163.00	277.28	25.47	-90.00	1,616.04	6,134.05	5,203.94	5,125.49	78.45	66.335		
15,900.00	7,283.00	7,163.00	7,163.00	279.94	25.47	-90.00	1,616.04	6,134.05	5,303.93	5,225.45	78.48	67.585		
16,000.00	7,283.00	7,163.00	7,163.00	282.61	25.47	-90.00	1,616.04	6,134.05	5,403.92	5,325.41	78.51	68.833		
16,100.00	7,283.00	7,163.00	7,163.00	285.27	25.47	-90.00	1,616.04	6,134.05	5,503.90	5,425.36	78.54	70.079		
16,200.00	7,283.00	7,163.00	7,163.00	287.94	25.47	-90.00	1,616.04	6,134.05	5,603.89	5,525.32	78.57	71.323		
16,300.00	7,283.00	7,163.00	7,163.00	290.60	25.47	-90.00	1,616.04	6,134.05	5,703.88	5,625.27	78.61	72.564		
16,400.00	7,283.00	7,163.00	7,163.00	293.27	25.47	-90.00	1,616.04	6,134.05	5,803.87	5,725.23	78.64	73.803		
16,500.00	7,283.00	7,163.00	7,163.00	295.94	25.47	-90.00	1,616.04	6,134.05	5,903.86	5,825.18	78.68	75.040		
16,600.00	7,283.00	7,163.00	7,163.00	298.60	25.47	-90.00	1,616.04	6,134.05	6,003.85	5,925.13	78.71	76.274		
16,700.00	7,283.00	7,163.00	7,163.00	301.27	25.47	-90.00	1,616.04	6,134.05	6,103.84	6,025.08	78.75	77.507		
16,800.00	7,283.00	7,163.00	7,163.00	303.94	25.47	-90.00	1,616.04	6,134.05	6,203.83	6,125.04	78.79	78.737		
16,900.00	7,283.00	7,163.00	7,163.00	306.62	25.47	-90.00	1,616.04	6,134.05	6,303.82	6,224.98	78.83	79.964		
17,000.00	7,283.00	7,163.00	7,163.00	309.29	25.47	-90.00	1,616.04	6,134.05	6,403.81	6,324.93	78.87	81.190		
17,100.00	7,283.00	7,163.00	7,163.00	311.96	25.47	-90.00	1,616.04	6,134.05	6,503.80	6,424.88	78.92	82.413		
17,200.00	7,283.00	7,163.00	7,163.00	314.63	25.47	-90.00	1,616.04	6,134.05	6,603.79	6,524.83	78.96	83.633		
17,300.00	7,283.00	7,163.00	7,163.00	317.31	25.47	-90.00	1,616.04	6,134.05	6,703.78	6,624.78	79.01	84.852		
17,400.00	7,283.00	7,163.00	7,163.00	319.98	25.47	-90.00	1,616.04	6,134.05	6,803.77	6,724.72	79.05	86.068		
17,500.00	7,283.00	7,163.00	7,163.00	322.66	25.47	-90.00	1,616.04	6,134.05	6,903.77	6,824.67	79.10	87.282		
17,600.00	7,283.00	7,163.00	7,163.00	325.34	25.47	-90.00	1,616.04	6,134.05	7,003.76	6,924.61	79.14	88.493		
17,700.00	7,283.00	7,163.00	7,163.00	328.01	25.47	-90.00	1,616.04	6,134.05	7,103.75	7,024.56	79.19	89.702		
17,800.00	7,283.00	7,163.00	7,163.00	330.69	25.47	-90.00	1,616.04	6,134.05	7,203.74	7,124.50	79.24	90.908		
17,900.00	7,283.00	7,163.00	7,163.00	333.37	25.47	-90.00	1,616.04	6,134.05	7,303.74	7,224.45	79.29	92.112		
18,000.00	7,283.00	7,163.00	7,163.00	336.05	25.47	-90.00	1,616.04	6,134.05	7,403.73	7,324.39	79.34	93.314		
18,100.00	7,283.00	7,163.00	7,163.00	338.73	25.47	-90.00	1,616.04	6,134.05	7,503.72	7,424.33	79.39	94.513		
18,200.00	7,283.00	7,163.00	7,163.00	341.41	25.47	-90.00	1,616.04	6,134.05	7,603.72	7,524.27	79.45	95.710		
18,300.00	7,283.00	7,163.00	7,163.00	344.09	25.47	-90.00	1,616.04	6,134.05	7,703.71	7,624.21	79.50	96.904		
18,400.00	7,283.00	7,163.00	7,163.00	346.77	25.47	-90.00	1,616.04	6,134.05	7,803.70	7,724.15	79.55	98.096		
18,500.00	7,283.00	7,163.00	7,163.00	349.46	25.47	-90.00	1,616.04	6,134.05	7,903.70	7,824.09	79.61	99.285		
18,600.00	7,283.00	7,163.00	7,163.00	352.14	25.47	-90.00	1,616.04	6,134.05	8,003.69	7,924.03	79.66	100.472		
18,700.00	7,283.00	7,163.00	7,163.00	354.82	25.47	-90.00	1,616.04	6,134.05	8,103.69	8,023.97	79.72	101.656		
18,800.00	7,283.00	7,163.00	7,163.00	357.51	25.47	-90.00	1,616.04	6,134.05	8,203.68	8,123.91	79.77	102.838		
18,900.00	7,283.00	7,163.00	7,163.00	360.19	25.47	-90.00	1,616.04	6,134.05	8,303.68	8,223.85	79.83	104.017		
19,000.00	7,283.00	7,163.00	7,163.00	362.88	25.47	-90.00	1,616.04	6,134.05	8,403.67	8,323.78	79.89	105.194		
19,100.00	7,283.00	7,163.00	7,163.00	365.56	25.47	-90.00	1,616.04	6,134.05	8,503.67	8,423.72	79.95	106.368		
19,200.00	7,283.00	7,163.00	7,163.00	368.25	25.47	-90.00	1,616.04	6,134.05	8,603.66	8,523.66	80.00	107.540		
19,247.68	7,283.00	7,163.00	7,163.00	369.53	25.47	-90.00	1,616.04	6,134.05	8,651.33	8,571.30	80.03	108.097		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	0.00	0.00	0.27	0.00	79.08	1,604.65	8,314.57	8,468.17	8,467.90	0.27	N/A		
174.07	174.07	19.07	19.07	0.53	0.23	79.08	1,604.65	8,314.57	8,468.00	8,467.23	0.76	N/A		
200.00	200.00	45.00	45.00	0.63	0.54	79.08	1,604.65	8,314.57	8,468.00	8,466.83	1.17	7,259.160		
300.00	299.98	144.98	144.98	0.98	2.23	9.47	1,604.65	8,314.57	8,466.27	8,463.06	3.21	2,637.185		
400.00	399.84	244.84	244.84	1.34	4.42	9.50	1,604.65	8,314.57	8,461.11	8,455.35	5.76	1,468.712		
500.00	499.45	344.45	344.45	1.71	6.47	9.54	1,604.65	8,314.57	8,452.52	8,444.34	8.18	1,033.542		
600.00	598.70	443.70	443.70	2.10	8.50	9.59	1,604.65	8,314.57	8,440.50	8,429.93	10.57	798.871		
700.00	697.47	542.47	542.47	2.51	10.50	9.66	1,604.65	8,314.57	8,425.07	8,412.13	12.94	651.276		
800.00	795.62	640.62	640.62	2.95	12.48	9.75	1,604.65	8,314.57	8,406.25	8,390.96	15.29	549.666		
900.00	893.06	738.06	738.06	3.43	14.45	9.85	1,604.65	8,314.57	8,384.07	8,366.43	17.64	475.363		
1,000.00	989.64	834.64	834.64	3.95	16.39	9.97	1,604.65	8,314.57	8,358.55	8,338.58	19.97	418.622		
1,100.00	1,085.27	930.27	930.27	4.52	18.32	10.11	1,604.65	8,314.57	8,329.72	8,307.44	22.28	373.850		
1,200.00	1,179.82	1,024.82	1,024.82	5.14	20.23	10.27	1,604.65	8,314.57	8,297.63	8,273.05	24.58	337.604		
1,300.00	1,273.17	1,118.17	1,118.17	5.81	22.11	10.45	1,604.65	8,314.57	8,262.30	8,235.45	26.86	307.649		
1,400.00	1,365.21	1,210.21	1,210.21	6.54	23.96	10.65	1,604.65	8,314.57	8,223.79	8,194.68	29.11	282.472		
1,500.00	1,455.84	1,300.84	1,300.84	7.33	25.78	10.88	1,604.65	8,314.57	8,182.15	8,150.80	31.35	261.008		
1,600.00	1,544.94	1,389.94	1,389.94	8.19	27.58	11.13	1,604.65	8,314.57	8,137.42	8,103.86	33.56	242.488		
1,700.00	1,632.39	1,477.39	1,477.39	9.12	29.34	11.41	1,604.65	8,314.57	8,089.66	8,053.92	35.74	226.344		
1,800.00	1,718.11	1,563.11	1,563.11	10.11	31.06	11.72	1,604.65	8,314.57	8,038.93	8,001.04	37.89	212.143		
1,900.00	1,801.97	1,646.97	1,646.97	11.18	32.75	12.06	1,604.65	8,314.57	7,985.30	7,945.28	40.02	199.554		
1,969.27	1,858.92	1,703.92	1,703.92	11.96	33.90	12.32	1,604.65	8,314.57	7,946.48	7,905.01	41.47	191.632		
2,000.00	1,883.98	1,728.98	1,728.98	12.31	34.40	12.34	1,604.65	8,314.57	7,928.96	7,886.85	42.11	188.302		
2,100.00	1,965.50	1,810.50	1,810.50	13.48	36.04	12.43	1,604.65	8,314.57	7,871.96	7,827.78	44.18	178.163		
2,200.00	2,047.03	1,892.03	1,892.03	14.65	37.68	12.52	1,604.65	8,314.57	7,814.97	7,768.71	46.27	168.909		
2,300.00	2,128.56	1,973.56	1,973.56	15.84	39.32	12.62	1,604.65	8,314.57	7,758.00	7,709.64	48.36	160.432		
2,400.00	2,210.09	2,055.09	2,055.09	17.03	40.96	12.71	1,604.65	8,314.57	7,701.04	7,650.59	50.45	152.640		
2,500.00	2,291.61	2,136.61	2,136.61	18.23	42.60	12.80	1,604.65	8,314.57	7,644.10	7,591.54	52.55	145.456		
2,600.00	2,373.14	2,218.14	2,218.14	19.44	44.24	12.90	1,604.65	8,314.57	7,587.16	7,532.51	54.66	138.812		
2,700.00	2,454.67	2,299.67	2,299.67	20.64	45.88	13.00	1,604.65	8,314.57	7,530.25	7,473.48	56.77	132.651		
2,800.00	2,536.20	2,381.20	2,381.20	21.86	47.52	13.10	1,604.65	8,314.57	7,473.35	7,414.47	58.88	126.923		
2,900.00	2,617.72	2,462.72	2,462.72	23.07	49.16	13.20	1,604.65	8,314.57	7,416.46	7,355.46	61.00	121.585		
3,000.00	2,699.25	2,544.25	2,544.25	24.29	50.80	13.30	1,604.65	8,314.57	7,359.59	7,296.47	63.12	116.598		
3,100.00	2,780.78	2,625.78	2,625.78	25.50	52.44	13.40	1,604.65	8,314.57	7,302.74	7,237.50	65.24	111.930		
3,200.00	2,862.31	2,707.31	2,707.31	26.73	54.08	13.51	1,604.65	8,314.57	7,245.90	7,178.53	67.37	107.551		
3,300.00	2,943.83	2,788.83	2,788.83	27.95	55.72	13.62	1,604.65	8,314.57	7,189.09	7,119.58	69.50	103.436		
3,400.00	3,025.36	2,870.36	2,870.36	29.17	57.36	13.72	1,604.65	8,314.57	7,132.28	7,060.65	71.64	99.562		
3,500.00	3,106.89	2,951.89	2,951.89	30.40	59.00	13.83	1,604.65	8,314.57	7,075.50	7,001.73	73.77	95.908		
3,600.00	3,188.42	3,033.42	3,033.42	31.62	60.64	13.95	1,604.65	8,314.57	7,018.74	6,942.82	75.91	92.456		
3,700.00	3,269.94	3,114.94	3,114.94	32.85	62.28	14.06	1,604.65	8,314.57	6,961.99	6,883.93	78.06	89.190		
3,800.00	3,351.47	3,196.47	3,196.47	34.07	63.92	14.18	1,604.65	8,314.57	6,905.26	6,825.06	80.20	86.096		
3,900.00	3,433.00	3,278.00	3,278.00	35.30	65.56	14.29	1,604.65	8,314.57	6,848.55	6,766.20	82.35	83.160		
4,000.00	3,514.53	3,359.53	3,359.53	36.53	67.20	14.41	1,604.65	8,314.57	6,791.87	6,707.36	84.51	80.371		
4,100.00	3,596.05	3,441.05	3,441.05	37.76	68.84	14.53	1,604.65	8,314.57	6,735.20	6,648.54	86.66	77.718		
4,200.00	3,677.58	3,522.58	3,522.58	38.99	70.48	14.66	1,604.65	8,314.57	6,678.56	6,589.74	88.82	75.191		
4,300.00	3,759.11	3,604.11	3,604.11	40.22	72.12	14.78	1,604.65	8,314.57	6,621.93	6,530.95	90.98	72.782		
4,400.00	3,840.64	3,685.64	3,685.64	41.45	73.76	14.91	1,604.65	8,314.57	6,565.33	6,472.18	93.15	70.483		
4,500.00	3,922.16	3,767.16	3,767.16	42.68	75.40	15.04	1,604.65	8,314.57	6,508.75	6,413.44	95.32	68.286		
4,600.00	4,003.69	3,848.69	3,848.69	43.91	77.04	15.17	1,604.65	8,314.57	6,452.20	6,354.71	97.49	66.185		
4,700.00	4,085.22	3,930.22	3,930.22	45.15	78.68	15.31	1,604.65	8,314.57	6,395.67	6,296.01	99.66	64.173		
4,800.00	4,166.75	4,011.75	4,011.75	46.38	80.32	15.44	1,604.65	8,314.57	6,339.16	6,237.32	101.84	62.246		
4,900.00	4,248.27	4,093.27	4,093.27	47.61	81.96	15.58	1,604.65	8,314.57	6,282.68	6,178.66	104.02	60.397		
5,000.00	4,329.80	4,174.80	4,174.80	48.84	83.60	15.72	1,604.65	8,314.57	6,226.23	6,120.02	106.21	58.623		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 2-T4N-R68W - ABND VERT SEALOCK 1 - Wellbore #1 - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,411.33	4,256.33	4,256.33	50.08	85.24	15.87	1,604.65	8,314.57	6,169.80	6,061.41	108.40	56.919		
5,200.00	4,492.86	4,337.86	4,337.86	51.31	86.88	16.01	1,604.65	8,314.57	6,113.41	6,002.82	110.59	55.280		
5,300.00	4,574.38	4,419.38	4,419.38	52.54	88.51	16.16	1,604.65	8,314.57	6,057.04	5,944.25	112.79	53.704		
5,400.00	4,655.91	4,500.91	4,500.91	53.78	90.15	16.31	1,604.65	8,314.57	6,000.69	5,885.71	114.99	52.186		
5,500.00	4,737.44	4,582.44	4,582.44	55.01	91.79	16.47	1,604.65	8,314.57	5,944.38	5,827.19	117.19	50.723		
5,600.00	4,818.97	4,663.97	4,663.97	56.24	93.43	16.63	1,604.65	8,314.57	5,888.10	5,768.70	119.40	49.314		
5,700.00	4,900.49	4,745.49	4,745.49	57.48	95.07	16.79	1,604.65	8,314.57	5,831.86	5,710.24	121.61	47.954		
5,800.00	4,982.02	4,827.02	4,827.02	58.71	96.71	16.95	1,604.65	8,314.57	5,775.64	5,651.81	123.83	46.641		
5,900.00	5,063.55	4,908.55	4,908.55	59.95	98.35	17.12	1,604.65	8,314.57	5,719.46	5,593.40	126.06	45.373		
6,000.00	5,145.08	4,990.08	4,990.08	61.18	99.99	17.29	1,604.65	8,314.57	5,663.31	5,535.03	128.28	44.147		
6,100.00	5,226.60	5,071.60	5,071.60	62.42	101.63	17.46	1,604.65	8,314.57	5,607.20	5,476.69	130.52	42.962		
6,200.00	5,308.13	5,153.13	5,153.13	63.65	103.27	17.64	1,604.65	8,314.57	5,551.13	5,418.37	132.75	41.815		
6,300.00	5,389.66	5,234.66	5,234.66	64.89	104.91	17.82	1,604.65	8,314.57	5,495.09	5,360.09	135.00	40.705		
6,400.00	5,471.19	5,316.19	5,316.19	66.12	106.55	18.00	1,604.65	8,314.57	5,439.09	5,301.85	137.25	39.630		
6,500.00	5,552.72	5,397.72	5,397.72	67.36	108.19	18.19	1,604.65	8,314.57	5,383.14	5,243.64	139.50	38.589		
6,600.00	5,634.24	5,479.24	5,479.24	68.59	109.83	18.38	1,604.65	8,314.57	5,327.22	5,185.46	141.76	37.579		
6,700.00	5,715.77	5,560.77	5,560.77	69.83	111.47	18.57	1,604.65	8,314.57	5,271.35	5,127.32	144.03	36.600		
6,800.00	5,797.30	5,642.30	5,642.30	71.06	113.11	18.77	1,604.65	8,314.57	5,215.52	5,069.22	146.30	35.650		
6,900.00	5,878.83	5,723.83	5,723.83	72.30	114.75	18.97	1,604.65	8,314.57	5,159.74	5,011.16	148.58	34.727		
7,000.00	5,960.35	5,805.35	5,805.35	73.53	116.39	19.18	1,604.65	8,314.57	5,104.01	4,953.14	150.87	33.832		
7,100.00	6,041.88	5,886.88	5,886.88	74.77	118.03	19.39	1,604.65	8,314.57	5,048.32	4,895.16	153.16	32.961		
7,200.00	6,123.41	5,968.41	5,968.41	76.01	119.67	19.61	1,604.65	8,314.57	4,992.69	4,837.23	155.46	32.116		
7,300.00	6,204.94	6,049.94	6,049.94	77.24	121.31	19.83	1,604.65	8,314.57	4,937.11	4,779.34	157.77	31.293		
7,400.00	6,286.46	6,131.46	6,131.46	78.48	122.95	20.06	1,604.65	8,314.57	4,881.58	4,721.49	160.09	30.494		
7,500.00	6,367.99	6,212.99	6,212.99	79.71	124.59	20.29	1,604.65	8,314.57	4,826.11	4,663.70	162.41	29.716		
7,600.00	6,449.52	6,294.52	6,294.52	80.95	126.22	20.53	1,604.65	8,314.57	4,770.69	4,605.95	164.74	28.958		
7,700.00	6,531.05	6,376.05	6,376.05	82.19	127.86	20.77	1,604.65	8,314.57	4,715.34	4,548.25	167.09	28.221		
7,800.00	6,612.57	6,457.57	6,457.57	83.42	129.50	21.01	1,604.65	8,314.57	4,660.04	4,490.60	169.44	27.503		
7,900.00	6,694.10	6,539.10	6,539.10	84.66	131.14	21.27	1,604.65	8,314.57	4,604.82	4,433.01	171.80	26.803		
8,000.00	6,775.63	6,620.63	6,620.63	85.89	132.78	21.52	1,604.65	8,314.57	4,549.65	4,375.48	174.17	26.121		
8,100.00	6,857.16	6,702.16	6,702.16	87.13	134.42	21.79	1,604.65	8,314.57	4,494.56	4,318.00	176.56	25.457		
8,200.00	6,938.68	6,783.68	6,783.68	88.37	136.06	22.06	1,604.65	8,314.57	4,439.54	4,260.59	178.95	24.809		
8,300.00	7,020.21	6,865.21	6,865.21	89.60	137.70	22.34	1,604.65	8,314.57	4,384.59	4,203.24	181.36	24.177		
8,310.57	7,028.83	6,873.83	6,873.83	89.73	137.87	22.37	1,604.65	8,314.57	4,378.79	4,197.18	181.61	24.111		
8,350.00	7,060.23	6,905.23	6,905.23	90.25	138.51	20.32	1,604.65	8,314.57	4,356.03	4,173.49	182.55	23.863		
8,400.00	7,097.77	6,942.77	6,942.77	90.98	139.26	18.24	1,604.65	8,314.57	4,324.10	4,140.42	183.68	23.541		
8,450.00	7,132.48	6,977.48	6,977.48	91.79	139.96	16.60	1,604.65	8,314.57	4,288.96	4,104.22	184.74	23.216		
8,500.00	7,164.10	7,009.10	7,009.10	92.67	140.60	15.26	1,604.65	8,314.57	4,250.86	4,065.14	185.72	22.889		
8,550.00	7,192.40	7,037.40	7,037.40	93.63	141.16	14.12	1,604.65	8,314.57	4,210.10	4,023.50	186.59	22.563		
8,600.00	7,217.15	7,062.15	7,062.15	94.64	141.66	13.12	1,604.65	8,314.57	4,166.98	3,979.61	187.37	22.239		
8,650.00	7,238.16	7,083.16	7,083.16	95.70	142.08	12.15	1,604.65	8,314.57	4,121.83	3,933.80	188.03	21.921		
8,700.00	7,255.29	7,100.29	7,100.29	96.80	142.43	11.08	1,604.65	8,314.57	4,074.99	3,886.42	188.57	21.611		
8,750.00	7,268.39	7,113.39	7,113.39	97.92	142.69	9.59	1,604.65	8,314.57	4,026.81	3,837.83	188.97	21.309		
8,800.00	7,277.37	7,122.37	7,122.37	99.06	142.87	6.65	1,604.65	8,314.57	3,977.65	3,788.40	189.25	21.018		
8,850.00	7,282.15	7,127.15	7,127.15	100.20	142.97	-5.27	1,604.65	8,314.57	3,927.90	3,738.51	189.39	20.739		
8,881.61	7,283.00	7,128.00	7,128.00	100.91	142.99	-90.00	1,604.65	8,314.57	3,896.31	3,706.90	189.41	20.571		
8,900.00	7,283.00	7,128.00	7,128.00	101.33	142.99	-90.00	1,604.65	8,314.57	3,877.92	3,688.51	189.41	20.474		
9,000.00	7,283.00	7,128.00	7,128.00	103.59	142.99	-90.00	1,604.65	8,314.57	3,777.94	3,588.56	189.38	19.949		
9,100.00	7,283.00	7,128.00	7,128.00	105.87	142.99	-90.00	1,604.65	8,314.57	3,677.96	3,488.61	189.35	19.424		
9,200.00	7,283.00	7,128.00	7,128.00	108.18	142.99	-90.00	1,604.65	8,314.57	3,577.97	3,388.66	189.31	18.900		
9,300.00	7,283.00	7,128.00	7,128.00	110.50	142.99	-90.00	1,604.65	8,314.57	3,478.00	3,288.72	189.28	18.375		
9,400.00	7,283.00	7,128.00	7,128.00	112.84	142.99	-90.00	1,604.65	8,314.57	3,378.02	3,188.78	189.24	17.851		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,500.00	7,283.00	7,128.00	7,128.00	115.19	142.99	-90.00	1,604.65	8,314.57	3,278.04	3,088.85	189.19	17.326		
9,600.00	7,283.00	7,128.00	7,128.00	117.56	142.99	-90.00	1,604.65	8,314.57	3,178.06	2,988.92	189.15	16.802		
9,700.00	7,283.00	7,128.00	7,128.00	119.95	142.99	-90.00	1,604.65	8,314.57	3,078.09	2,888.99	189.10	16.278		
9,800.00	7,283.00	7,128.00	7,128.00	122.34	142.99	-90.00	1,604.65	8,314.57	2,978.12	2,789.08	189.04	15.754		
9,900.00	7,283.00	7,128.00	7,128.00	124.76	142.99	-90.00	1,604.65	8,314.57	2,878.15	2,689.16	188.98	15.230		
10,000.00	7,283.00	7,128.00	7,128.00	127.18	142.99	-90.00	1,604.65	8,314.57	2,778.18	2,589.26	188.92	14.706		
10,100.00	7,283.00	7,128.00	7,128.00	129.61	142.99	-90.00	1,604.65	8,314.57	2,678.21	2,489.37	188.85	14.182		
10,200.00	7,283.00	7,128.00	7,128.00	132.06	142.99	-90.00	1,604.65	8,314.57	2,578.25	2,389.48	188.77	13.658		
10,300.00	7,283.00	7,128.00	7,128.00	134.52	142.99	-90.00	1,604.65	8,314.57	2,478.29	2,289.61	188.68	13.135		
10,400.00	7,283.00	7,128.00	7,128.00	136.98	142.99	-90.00	1,604.65	8,314.57	2,378.33	2,189.74	188.59	12.611		
10,500.00	7,283.00	7,128.00	7,128.00	139.46	142.99	-90.00	1,604.65	8,314.57	2,278.38	2,089.89	188.48	12.088		
10,600.00	7,283.00	7,128.00	7,128.00	141.94	142.99	-90.00	1,604.65	8,314.57	2,178.43	1,990.06	188.37	11.565		
10,700.00	7,283.00	7,128.00	7,128.00	144.44	142.99	-90.00	1,604.65	8,314.57	2,078.48	1,890.24	188.24	11.042		
10,800.00	7,283.00	7,128.00	7,128.00	146.94	142.99	-90.00	1,604.65	8,314.57	1,978.55	1,790.44	188.10	10.519		
10,900.00	7,283.00	7,128.00	7,128.00	149.45	142.99	-90.00	1,604.65	8,314.57	1,878.61	1,690.67	187.94	9.996		
11,000.00	7,283.00	7,128.00	7,128.00	151.96	142.99	-90.00	1,604.65	8,314.57	1,778.69	1,590.92	187.77	9.473		
11,100.00	7,283.00	7,128.00	7,128.00	154.49	142.99	-90.00	1,604.65	8,314.57	1,678.77	1,491.20	187.57	8.950		
11,200.00	7,283.00	7,128.00	7,128.00	157.01	142.99	-90.00	1,604.65	8,314.57	1,578.87	1,391.52	187.35	8.427		
11,300.00	7,283.00	7,128.00	7,128.00	159.55	142.99	-90.00	1,604.65	8,314.57	1,478.98	1,291.87	187.10	7.905		
11,400.00	7,283.00	7,128.00	7,128.00	162.09	142.99	-90.00	1,604.65	8,314.57	1,379.10	1,192.28	186.82	7.382		
11,500.00	7,283.00	7,128.00	7,128.00	164.64	142.99	-90.00	1,604.65	8,314.57	1,279.24	1,092.75	186.50	6.859		
11,600.00	7,283.00	7,128.00	7,128.00	167.19	142.99	-90.00	1,604.65	8,314.57	1,179.41	993.28	186.13	6.337		
11,700.00	7,283.00	7,128.00	7,128.00	169.75	142.99	-90.00	1,604.65	8,314.57	1,079.61	893.91	185.70	5.814		
11,800.00	7,283.00	7,128.00	7,128.00	172.31	142.99	-90.00	1,604.65	8,314.57	979.85	794.64	185.21	5.290		
11,900.00	7,283.00	7,128.00	7,128.00	174.88	142.99	-90.00	1,604.65	8,314.57	880.14	695.49	184.65	4.767		
12,000.00	7,283.00	7,128.00	7,128.00	177.45	142.99	-90.00	1,604.65	8,314.57	780.51	596.50	184.01	4.242		
12,100.00	7,283.00	7,128.00	7,128.00	180.03	142.99	-90.00	1,604.65	8,314.57	680.99	497.69	183.30	3.715		
12,200.00	7,283.00	7,128.00	7,128.00	182.61	142.99	-90.00	1,604.65	8,314.57	581.63	399.05	182.58	3.186		
12,300.00	7,283.00	7,128.00	7,128.00	185.19	142.99	-90.00	1,604.65	8,314.57	482.53	300.49	182.04	2.651		
12,400.00	7,283.00	7,128.00	7,128.00	187.78	142.99	-90.00	1,604.65	8,314.57	383.90	201.53	182.38	2.105		
12,500.00	7,283.00	7,128.00	7,128.00	190.37	142.99	-90.00	1,604.65	8,314.57	286.23	100.31	185.92	1.540		
12,600.00	7,283.00	7,128.00	7,128.00	192.97	142.99	-90.00	1,604.65	8,314.57	190.98	-9.93	200.91	0.951 Level 1		
12,700.00	7,283.00	7,128.00	7,128.00	195.57	142.99	-90.00	1,604.65	8,314.57	104.98	-151.93	256.91	0.409 Level 1		
12,777.27	7,283.00	7,128.00	7,128.00	197.58	142.99	-90.00	1,604.65	8,314.57	71.06	-267.38	338.44	0.210 Level 1, CC, ES, SF		
12,800.00	7,283.00	7,128.00	7,128.00	198.17	142.99	-90.00	1,604.65	8,314.57	74.61	-264.11	338.71	0.220 Level 1		
12,900.00	7,283.00	7,128.00	7,128.00	200.77	142.99	-90.00	1,604.65	8,314.57	141.82	-129.89	271.70	0.522 Level 1		
13,000.00	7,283.00	7,128.00	7,128.00	203.38	142.99	-90.00	1,604.65	8,314.57	233.79	-5.15	238.94	0.978 Level 1		
13,100.00	7,283.00	7,128.00	7,128.00	205.99	142.99	-90.00	1,604.65	8,314.57	330.46	106.07	224.39	1.473 Level 3		
13,200.00	7,283.00	7,128.00	7,128.00	208.61	142.99	-90.00	1,604.65	8,314.57	428.66	212.10	216.56	1.979		
13,300.00	7,283.00	7,128.00	7,128.00	211.22	142.99	-90.00	1,604.65	8,314.57	527.54	315.77	211.77	2.491		
13,400.00	7,283.00	7,128.00	7,128.00	213.84	142.99	-90.00	1,604.65	8,314.57	626.77	418.21	208.57	3.005		
13,500.00	7,283.00	7,128.00	7,128.00	216.47	142.99	-90.00	1,604.65	8,314.57	726.22	519.92	206.30	3.520		
13,600.00	7,283.00	7,128.00	7,128.00	219.09	142.99	-90.00	1,604.65	8,314.57	825.79	621.18	204.62	4.036		
13,700.00	7,283.00	7,128.00	7,128.00	221.72	142.99	-90.00	1,604.65	8,314.57	925.46	722.14	203.33	4.552		
13,800.00	7,283.00	7,128.00	7,128.00	224.34	142.99	-90.00	1,604.65	8,314.57	1,025.20	822.89	202.31	5.067		
13,900.00	7,283.00	7,128.00	7,128.00	226.97	142.99	-90.00	1,604.65	8,314.57	1,124.98	923.48	201.49	5.583		
14,000.00	7,283.00	7,128.00	7,128.00	229.61	142.99	-90.00	1,604.65	8,314.57	1,224.79	1,023.97	200.83	6.099		
14,100.00	7,283.00	7,128.00	7,128.00	232.24	142.99	-90.00	1,604.65	8,314.57	1,324.64	1,124.37	200.27	6.614		
14,200.00	7,283.00	7,128.00	7,128.00	234.88	142.99	-90.00	1,604.65	8,314.57	1,424.50	1,224.70	199.81	7.129		
14,300.00	7,283.00	7,128.00	7,128.00	237.52	142.99	-90.00	1,604.65	8,314.57	1,524.39	1,324.98	199.41	7.644		
14,400.00	7,283.00	7,128.00	7,128.00	240.16	142.99	-90.00	1,604.65	8,314.57	1,624.29	1,425.21	199.08	8.159		
14,500.00	7,283.00	7,128.00	7,128.00	242.80	142.99	-90.00	1,604.65	8,314.57	1,724.20	1,525.41	198.79	8.674		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,600.00	7,283.00	7,128.00	7,128.00	245.44	142.99	-90.00	1,604.65	8,314.57	1,824.12	1,625.58	198.54	9.188		
14,700.00	7,283.00	7,128.00	7,128.00	248.09	142.99	-90.00	1,604.65	8,314.57	1,924.04	1,725.72	198.32	9.702		
14,800.00	7,283.00	7,128.00	7,128.00	250.74	142.99	-90.00	1,604.65	8,314.57	2,023.98	1,825.85	198.13	10.215		
14,900.00	7,283.00	7,128.00	7,128.00	253.38	142.99	-90.00	1,604.65	8,314.57	2,123.92	1,925.95	197.97	10.729		
15,000.00	7,283.00	7,128.00	7,128.00	256.03	142.99	-90.00	1,604.65	8,314.57	2,223.87	2,026.05	197.82	11.242		
15,100.00	7,283.00	7,128.00	7,128.00	258.69	142.99	-90.00	1,604.65	8,314.57	2,323.82	2,126.12	197.69	11.755		
15,200.00	7,283.00	7,128.00	7,128.00	261.34	142.99	-90.00	1,604.65	8,314.57	2,423.77	2,226.19	197.58	12.267		
15,300.00	7,283.00	7,128.00	7,128.00	263.99	142.99	-90.00	1,604.65	8,314.57	2,523.73	2,326.24	197.49	12.779		
15,400.00	7,283.00	7,128.00	7,128.00	266.65	142.99	-90.00	1,604.65	8,314.57	2,623.69	2,426.29	197.40	13.291		
15,500.00	7,283.00	7,128.00	7,128.00	269.31	142.99	-90.00	1,604.65	8,314.57	2,723.66	2,526.33	197.33	13.803		
15,600.00	7,283.00	7,128.00	7,128.00	271.96	142.99	-90.00	1,604.65	8,314.57	2,823.63	2,626.36	197.27	14.314		
15,700.00	7,283.00	7,128.00	7,128.00	274.62	142.99	-90.00	1,604.65	8,314.57	2,923.59	2,726.38	197.21	14.825		
15,800.00	7,283.00	7,128.00	7,128.00	277.28	142.99	-90.00	1,604.65	8,314.57	3,023.57	2,826.40	197.16	15.335		
15,900.00	7,283.00	7,128.00	7,128.00	279.94	142.99	-90.00	1,604.65	8,314.57	3,123.54	2,926.42	197.12	15.846		
16,000.00	7,283.00	7,128.00	7,128.00	282.61	142.99	-90.00	1,604.65	8,314.57	3,223.51	3,026.42	197.09	16.355		
16,100.00	7,283.00	7,128.00	7,128.00	285.27	142.99	-90.00	1,604.65	8,314.57	3,323.49	3,126.43	197.06	16.865		
16,200.00	7,283.00	7,128.00	7,128.00	287.94	142.99	-90.00	1,604.65	8,314.57	3,423.47	3,226.43	197.04	17.374		
16,300.00	7,283.00	7,128.00	7,128.00	290.60	142.99	-90.00	1,604.65	8,314.57	3,523.45	3,326.42	197.03	17.883		
16,400.00	7,283.00	7,128.00	7,128.00	293.27	142.99	-90.00	1,604.65	8,314.57	3,623.43	3,426.41	197.01	18.392		
16,500.00	7,283.00	7,128.00	7,128.00	295.94	142.99	-90.00	1,604.65	8,314.57	3,723.41	3,526.40	197.01	18.900		
16,600.00	7,283.00	7,128.00	7,128.00	298.60	142.99	-90.00	1,604.65	8,314.57	3,823.39	3,626.39	197.00	19.408		
16,700.00	7,283.00	7,128.00	7,128.00	301.27	142.99	-90.00	1,604.65	8,314.57	3,923.37	3,726.37	197.00	19.915		
16,800.00	7,283.00	7,128.00	7,128.00	303.94	142.99	-90.00	1,604.65	8,314.57	4,023.36	3,826.35	197.01	20.423		
16,900.00	7,283.00	7,128.00	7,128.00	306.62	142.99	-90.00	1,604.65	8,314.57	4,123.34	3,926.33	197.01	20.929		
17,000.00	7,283.00	7,128.00	7,128.00	309.29	142.99	-90.00	1,604.65	8,314.57	4,223.33	4,026.31	197.02	21.436		
17,100.00	7,283.00	7,128.00	7,128.00	311.96	142.99	-90.00	1,604.65	8,314.57	4,323.31	4,126.28	197.03	21.942		
17,200.00	7,283.00	7,128.00	7,128.00	314.63	142.99	-90.00	1,604.65	8,314.57	4,423.30	4,226.25	197.05	22.448		
17,300.00	7,283.00	7,128.00	7,128.00	317.31	142.99	-90.00	1,604.65	8,314.57	4,523.29	4,326.22	197.07	22.953		
17,400.00	7,283.00	7,128.00	7,128.00	319.98	142.99	-90.00	1,604.65	8,314.57	4,623.28	4,426.19	197.09	23.458		
17,500.00	7,283.00	7,128.00	7,128.00	322.66	142.99	-90.00	1,604.65	8,314.57	4,723.27	4,526.16	197.11	23.963		
17,600.00	7,283.00	7,128.00	7,128.00	325.34	142.99	-90.00	1,604.65	8,314.57	4,823.25	4,626.12	197.13	24.467		
17,700.00	7,283.00	7,128.00	7,128.00	328.01	142.99	-90.00	1,604.65	8,314.57	4,923.24	4,726.08	197.16	24.971		
17,800.00	7,283.00	7,128.00	7,128.00	330.69	142.99	-90.00	1,604.65	8,314.57	5,023.23	4,826.05	197.19	25.474		
17,900.00	7,283.00	7,128.00	7,128.00	333.37	142.99	-90.00	1,604.65	8,314.57	5,123.22	4,926.01	197.22	25.977		
18,000.00	7,283.00	7,128.00	7,128.00	336.05	142.99	-90.00	1,604.65	8,314.57	5,223.21	5,025.96	197.25	26.480		
18,100.00	7,283.00	7,128.00	7,128.00	338.73	142.99	-90.00	1,604.65	8,314.57	5,323.21	5,125.92	197.28	26.983		
18,200.00	7,283.00	7,128.00	7,128.00	341.41	142.99	-90.00	1,604.65	8,314.57	5,423.20	5,225.88	197.32	27.484		
18,300.00	7,283.00	7,128.00	7,128.00	344.09	142.99	-90.00	1,604.65	8,314.57	5,523.19	5,325.83	197.36	27.986		
18,400.00	7,283.00	7,128.00	7,128.00	346.77	142.99	-90.00	1,604.65	8,314.57	5,623.18	5,425.79	197.39	28.487		
18,500.00	7,283.00	7,128.00	7,128.00	349.46	142.99	-90.00	1,604.65	8,314.57	5,723.17	5,525.74	197.43	28.988		
18,600.00	7,283.00	7,128.00	7,128.00	352.14	142.99	-90.00	1,604.65	8,314.57	5,823.16	5,625.69	197.47	29.488		
18,700.00	7,283.00	7,128.00	7,128.00	354.82	142.99	-90.00	1,604.65	8,314.57	5,923.16	5,725.64	197.52	29.988		
18,800.00	7,283.00	7,128.00	7,128.00	357.51	142.99	-90.00	1,604.65	8,314.57	6,023.15	5,825.59	197.56	30.488		
18,900.00	7,283.00	7,128.00	7,128.00	360.19	142.99	-90.00	1,604.65	8,314.57	6,123.14	5,925.54	197.60	30.987		
19,000.00	7,283.00	7,128.00	7,128.00	362.88	142.99	-90.00	1,604.65	8,314.57	6,223.14	6,025.49	197.65	31.486		
19,100.00	7,283.00	7,128.00	7,128.00	365.56	142.99	-90.00	1,604.65	8,314.57	6,323.13	6,125.43	197.70	31.984		
19,200.00	7,283.00	7,128.00	7,128.00	368.25	142.99	-90.00	1,604.65	8,314.57	6,423.12	6,225.38	197.74	32.482		
19,247.68	7,283.00	7,128.00	7,128.00	369.53	142.99	-90.00	1,604.65	8,314.57	6,470.80	6,273.03	197.77	32.719		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 2-T4N-R68W - EXIST DD AVEX 11-2D - Wellbore #1 - Wellbore #1		Offset Site Error: 0.00 usft	
Survey Program: 171-MWD													Offset Well Error: 0.00 usft			
Reference		Offset		Semi Major Axis		Distance								Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
100.00	100.00	0.00	0.00	0.27	0.00	74.90	1,655.75	6,134.59	6,354.14	6,353.87	0.27	N/A				
200.00	200.00	91.40	91.40	0.63	0.15	74.89	1,655.88	6,134.48	6,354.05	6,353.27	0.78	8,160.021				
300.00	299.98	193.77	193.77	0.98	0.36	5.28	1,656.32	6,134.11	6,352.07	6,350.72	1.35	4,716.922				
400.00	399.84	271.05	271.04	1.34	0.64	5.29	1,656.77	6,133.97	6,346.83	6,344.85	1.98	3,205.419				
500.00	499.45	380.44	380.44	1.71	1.02	5.31	1,657.33	6,134.06	6,338.38	6,335.66	2.73	2,325.103				
600.00	598.70	508.12	508.12	2.10	1.46	5.35	1,656.95	6,133.76	6,325.93	6,322.39	3.53	1,790.128				
700.00	697.47	617.06	617.05	2.51	1.84	5.40	1,656.36	6,133.34	6,309.85	6,305.57	4.28	1,473.822				
800.00	795.62	722.07	722.06	2.95	2.21	5.46	1,656.28	6,132.62	6,290.18	6,285.15	5.02	1,252.029				
900.00	893.06	881.32	881.25	3.43	2.78	5.50	1,659.07	6,130.10	6,266.82	6,260.86	5.96	1,050.735				
1,000.00	989.64	1,544.39	1,540.40	3.95	5.27	5.20	1,699.68	6,075.31	6,234.08	6,225.32	8.76	711.469				
1,100.00	1,085.27	1,817.89	1,809.58	4.52	6.44	5.00	1,724.48	6,033.75	6,193.25	6,183.06	10.19	607.546				
1,200.00	1,179.82	1,913.29	1,903.18	5.14	6.86	4.97	1,733.65	6,017.80	6,148.26	6,137.31	10.95	561.487				
1,300.00	1,273.17	2,045.44	2,032.62	5.81	7.46	4.91	1,746.62	5,994.55	6,099.38	6,087.52	11.86	514.436				
1,400.00	1,365.21	2,126.61	2,112.15	6.54	7.84	4.92	1,754.05	5,980.12	6,047.34	6,034.78	12.56	481.361				
1,500.00	1,455.84	2,183.00	2,167.50	7.33	8.09	4.97	1,758.97	5,970.53	5,992.89	5,979.71	13.18	454.841				
1,600.00	1,544.94	2,318.76	2,300.74	8.19	8.72	4.95	1,770.56	5,947.20	5,935.44	5,921.35	14.09	421.171				
1,700.00	1,632.39	2,400.76	2,381.15	9.12	9.10	5.00	1,777.46	5,932.69	5,874.73	5,859.92	14.80	396.819				
1,800.00	1,718.11	2,469.53	2,448.59	10.11	9.42	5.07	1,783.12	5,920.52	5,811.26	5,795.80	15.46	375.775				
1,900.00	1,801.97	2,524.26	2,502.33	11.18	9.68	5.17	1,787.37	5,911.09	5,745.39	5,729.32	16.07	357.489				
1,969.27	1,858.92	2,568.00	2,545.34	11.96	9.88	5.25	1,790.57	5,903.74	5,698.40	5,681.89	16.51	345.055				
2,000.00	1,883.98	2,581.84	2,558.95	12.31	9.94	5.23	1,791.55	5,901.44	5,677.31	5,660.62	16.69	340.155				
2,100.00	1,965.50	2,657.22	2,633.07	13.48	10.29	5.17	1,797.03	5,888.87	5,608.68	5,591.32	17.36	323.089				
2,200.00	2,047.03	2,724.47	2,699.18	14.65	10.60	5.10	1,802.06	5,877.61	5,540.05	5,522.04	18.01	307.675				
2,300.00	2,128.56	2,782.40	2,756.14	15.84	10.87	5.04	1,806.49	5,868.01	5,471.58	5,452.95	18.63	293.739				
2,400.00	2,210.09	2,841.05	2,813.82	17.03	11.14	4.99	1,811.05	5,858.44	5,403.31	5,384.05	19.26	280.601				
2,500.00	2,291.61	2,901.37	2,873.19	18.23	11.42	4.93	1,815.54	5,848.79	5,335.22	5,315.33	19.89	268.181				
2,600.00	2,373.14	2,955.00	2,926.04	19.44	11.66	4.88	1,819.28	5,840.42	5,267.32	5,246.81	20.52	256.743				
2,700.00	2,454.67	3,005.49	2,975.81	20.64	11.89	4.83	1,822.78	5,832.75	5,199.73	5,178.60	21.13	246.058				
2,800.00	2,536.20	3,051.22	3,020.92	21.86	12.09	4.79	1,826.14	5,826.02	5,132.54	5,110.80	21.74	236.089				
2,900.00	2,617.72	3,123.11	3,091.86	23.07	12.42	4.72	1,831.62	5,815.74	5,065.70	5,043.28	22.43	225.853				
3,000.00	2,699.25	3,229.07	3,196.41	24.29	12.89	4.61	1,839.00	5,800.15	4,998.41	4,975.20	23.22	215.302				
3,100.00	2,780.78	3,286.97	3,253.51	25.50	13.15	4.55	1,843.18	5,791.56	4,931.12	4,907.25	23.87	206.583				
3,200.00	2,862.31	3,346.19	3,311.90	26.73	13.42	4.49	1,847.90	5,782.84	4,864.07	4,839.54	24.53	198.275				
3,300.00	2,943.83	3,414.51	3,379.25	27.95	13.73	4.40	1,853.56	5,772.86	4,797.18	4,771.95	25.22	190.184				
3,400.00	3,025.36	3,518.51	3,481.76	29.17	14.20	4.27	1,862.21	5,757.60	4,730.32	4,704.31	26.01	181.872				
3,500.00	3,106.89	3,642.18	3,603.39	30.40	14.78	4.09	1,872.56	5,737.81	4,662.35	4,635.51	26.84	173.715				
3,600.00	3,188.42	3,712.34	3,672.36	31.62	15.11	3.99	1,878.50	5,726.35	4,594.29	4,566.75	27.54	166.832				
3,700.00	3,269.94	3,769.77	3,728.82	32.85	15.37	3.90	1,883.34	5,717.08	4,526.37	4,498.16	28.21	160.453				
3,800.00	3,351.47	3,824.80	3,782.99	34.07	15.63	3.82	1,887.81	5,708.48	4,458.76	4,429.88	28.88	154.390				
3,900.00	3,433.00	3,853.00	3,810.78	35.30	15.76	3.78	1,890.04	5,704.18	4,391.57	4,362.07	29.50	148.868				
4,000.00	3,514.53	3,903.09	3,860.18	36.53	15.98	3.71	1,894.05	5,696.94	4,324.89	4,294.72	30.17	143.360				
4,100.00	3,596.05	3,937.41	3,894.07	37.76	16.14	3.66	1,896.90	5,692.36	4,258.98	4,228.17	30.81	138.223				
4,200.00	3,677.58	3,981.00	3,937.17	38.99	16.33	3.59	1,900.64	5,687.00	4,193.82	4,162.34	31.48	133.217				
4,300.00	3,759.11	4,073.48	4,028.60	40.22	16.73	3.45	1,908.79	5,675.73	4,128.92	4,096.68	32.24	128.072				
4,400.00	3,840.64	4,168.60	4,122.50	41.45	17.16	3.29	1,917.44	5,663.33	4,063.41	4,030.41	33.00	123.127				
4,500.00	3,922.16	4,259.66	4,212.30	42.68	17.57	3.11	1,926.27	5,650.99	3,997.71	3,963.95	33.76	118.423				
4,600.00	4,003.69	4,396.24	4,346.74	43.91	18.20	2.82	1,939.67	5,631.05	3,931.34	3,896.76	34.58	113.700				
4,700.00	4,085.22	4,553.11	4,500.64	45.15	18.95	2.45	1,954.96	5,604.80	3,863.28	3,827.88	35.40	109.120				
4,800.00	4,166.75	4,647.31	4,592.88	46.38	19.41	2.21	1,963.80	5,587.84	3,794.39	3,758.25	36.15	104.969				
4,900.00	4,248.27	4,716.13	4,660.29	47.61	19.75	2.04	1,969.97	5,575.44	3,725.44	3,688.57	36.87	101.054				
5,000.00	4,329.80	4,778.71	4,721.66	48.84	20.05	1.88	1,975.25	5,564.35	3,656.59	3,619.01	37.58	97.308				
5,100.00	4,411.33	4,836.00	4,777.97	50.08	20.32	1.75	1,979.33	5,554.67	3,588.04	3,549.75	38.29	93.719				

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 2-T4N-R68W - EXIST DD AVEX 11-2D - Wellbore #1 - Wellbore #1													Offset Site Error:	0.00 usft
Survey Program: 171-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,492.86	4,925.79	4,866.43	51.31	20.74	1.57	1,984.42	5,540.14	3,519.71	3,480.71	39.00	90.253		
5,300.00	4,574.38	5,051.85	4,990.29	52.54	21.33	1.29	1,991.62	5,517.81	3,450.21	3,410.51	39.70	86.917		
5,400.00	4,655.91	5,137.78	5,074.62	53.78	21.74	1.09	1,996.18	5,501.96	3,380.22	3,339.83	40.39	83.685		
5,500.00	4,737.44	5,198.66	5,134.35	55.01	22.03	0.94	1,999.51	5,490.67	3,310.21	3,269.11	41.10	80.534		
5,600.00	4,818.97	5,263.00	5,197.45	56.24	22.34	0.76	2,003.48	5,478.77	3,240.42	3,198.60	41.82	77.489		
5,700.00	4,900.49	5,319.94	5,253.31	57.48	22.62	0.60	2,007.23	5,468.35	3,170.88	3,128.33	42.55	74.526		
5,800.00	4,982.02	5,379.38	5,311.65	58.71	22.90	0.42	2,011.20	5,457.70	3,101.64	3,058.36	43.28	71.662		
5,900.00	5,063.55	5,447.83	5,378.85	59.95	23.23	0.20	2,015.92	5,445.57	3,032.62	2,988.60	44.01	68.902		
6,000.00	5,145.08	5,519.00	5,448.69	61.18	23.57	-0.04	2,021.15	5,432.89	2,963.66	2,918.91	44.75	66.230		
6,100.00	5,226.60	5,573.66	5,502.30	62.42	23.84	-0.25	2,025.49	5,423.21	2,894.96	2,849.44	45.52	63.601		
6,200.00	5,308.13	5,629.32	5,556.91	63.65	24.11	-0.47	2,030.31	5,413.54	2,826.70	2,780.41	46.30	61.056		
6,300.00	5,389.66	5,699.94	5,626.19	64.89	24.45	-0.77	2,036.75	5,401.48	2,758.79	2,711.72	47.06	58.620		
6,400.00	5,471.19	5,777.17	5,701.99	66.12	24.82	-1.11	2,043.48	5,388.28	2,690.82	2,643.00	47.82	56.268		
6,500.00	5,552.72	5,838.46	5,762.20	67.36	25.11	-1.38	2,048.46	5,378.02	2,622.99	2,574.38	48.61	53.957		
6,600.00	5,634.24	5,904.00	5,826.71	68.59	25.42	-1.66	2,053.35	5,367.52	2,555.52	2,506.11	49.40	51.729		
6,700.00	5,715.77	5,960.36	5,882.24	69.83	25.68	-1.91	2,057.52	5,358.78	2,488.43	2,438.21	50.22	49.547		
6,800.00	5,797.30	6,020.44	5,941.42	71.06	25.96	-2.19	2,062.36	5,349.66	2,421.80	2,370.75	51.05	47.438		
6,900.00	5,878.83	6,087.72	6,007.70	72.30	26.27	-2.54	2,068.13	5,339.64	2,355.55	2,303.68	51.88	45.408		
7,000.00	5,960.35	6,161.00	6,079.89	73.53	26.61	-2.93	2,074.58	5,328.82	2,289.53	2,236.84	52.69	43.449		
7,100.00	6,041.88	6,251.83	6,169.34	74.77	27.03	-3.46	2,082.41	5,315.13	2,223.33	2,169.87	53.46	41.586		
7,200.00	6,123.41	6,329.35	6,245.64	76.01	27.39	-3.93	2,088.78	5,302.98	2,156.66	2,102.37	54.29	39.726		
7,300.00	6,204.94	6,395.74	6,310.95	77.24	27.70	-4.37	2,094.56	5,292.60	2,090.24	2,035.06	55.18	37.882		
7,400.00	6,286.46	6,463.54	6,377.64	78.48	28.02	-4.86	2,100.84	5,282.07	2,024.14	1,968.05	56.09	36.087		
7,500.00	6,367.99	6,532.09	6,445.03	79.71	28.34	-5.39	2,107.52	5,271.48	1,958.36	1,901.33	57.03	34.338		
7,600.00	6,449.52	6,639.95	6,551.02	80.95	28.86	-6.30	2,117.70	5,254.22	1,892.27	1,834.46	57.81	32.734		
7,700.00	6,531.05	6,723.42	6,632.97	82.19	29.25	-7.04	2,124.50	5,239.95	1,825.13	1,766.42	58.71	31.087		
7,800.00	6,612.57	6,794.52	6,702.84	83.42	29.59	-7.70	2,129.89	5,227.95	1,758.12	1,698.41	59.71	29.445		
7,900.00	6,694.10	6,857.16	6,764.47	84.66	29.89	-8.31	2,134.48	5,217.65	1,691.48	1,630.69	60.79	27.823		
8,000.00	6,775.63	6,919.55	6,825.90	85.89	30.18	-8.95	2,139.10	5,207.82	1,625.48	1,563.55	61.93	26.247		
8,100.00	6,857.16	6,973.35	6,878.97	87.13	30.41	-9.52	2,142.97	5,199.93	1,560.31	1,497.15	63.16	24.703		
8,200.00	6,938.68	7,026.86	6,931.94	88.37	30.65	-10.08	2,146.40	5,193.15	1,496.37	1,431.92	64.44	23.220		
8,300.00	7,020.21	7,086.70	6,991.35	89.60	30.89	-10.69	2,149.74	5,186.75	1,433.62	1,367.91	65.71	21.817		
8,310.57	7,028.83	7,093.80	6,998.40	89.73	30.92	-10.76	2,150.10	5,186.04	1,427.04	1,361.20	65.84	21.674		
8,350.00	7,060.23	7,119.65	7,024.10	90.25	31.02	-15.09	2,151.40	5,183.55	1,401.71	1,335.36	66.35	21.127		
8,400.00	7,097.77	7,150.39	7,054.67	90.98	31.14	-20.63	2,152.83	5,180.73	1,367.44	1,300.38	67.05	20.394		
8,450.00	7,132.48	7,178.65	7,082.80	91.79	31.25	-26.50	2,154.06	5,178.28	1,331.03	1,263.19	67.83	19.622		
8,500.00	7,164.10	7,204.19	7,108.23	92.67	31.35	-32.94	2,155.10	5,176.19	1,292.79	1,224.08	68.71	18.815		
8,550.00	7,192.40	7,226.80	7,130.76	93.63	31.43	-40.11	2,155.98	5,174.41	1,253.07	1,183.37	69.70	17.979		
8,600.00	7,217.15	7,246.30	7,150.18	94.64	31.51	-48.06	2,156.70	5,172.95	1,212.23	1,141.41	70.82	17.116		
8,650.00	7,238.16	7,262.48	7,166.32	95.70	31.56	-56.66	2,157.28	5,171.78	1,170.66	1,098.54	72.12	16.232		
8,700.00	7,255.29	7,275.19	7,178.99	96.80	31.61	-65.54	2,157.71	5,170.90	1,128.79	1,055.18	73.62	15.333		
8,750.00	7,268.39	7,284.26	7,188.03	97.92	31.65	-74.20	2,158.02	5,170.28	1,087.06	1,011.71	75.35	14.427		
8,800.00	7,277.37	7,289.56	7,193.31	99.06	31.66	-82.14	2,158.19	5,169.92	1,045.92	968.57	77.35	13.522		
8,850.00	7,282.15	7,290.96	7,194.71	100.20	31.67	-88.99	2,158.24	5,169.83	1,005.85	926.20	79.65	12.628		
8,881.61	7,283.00	7,289.79	7,193.54	100.91	31.67	-92.69	2,158.20	5,169.91	981.28	900.02	81.26	12.075		
8,900.00	7,283.00	7,288.63	7,192.39	101.33	31.66	-92.58	2,158.16	5,169.98	967.26	885.00	82.26	11.759		
9,000.00	7,283.00	7,282.26	7,186.04	103.59	31.64	-92.00	2,157.95	5,170.41	893.77	805.31	88.46	10.104		
9,100.00	7,283.00	7,275.69	7,179.49	105.87	31.61	-91.41	2,157.73	5,170.86	825.81	729.82	95.99	8.603		
9,200.00	7,283.00	7,268.92	7,172.74	108.18	31.59	-90.80	2,157.50	5,171.33	764.87	660.07	104.80	7.298		
9,300.00	7,283.00	7,261.94	7,165.78	110.50	31.56	-90.16	2,157.26	5,171.82	712.73	598.11	114.62	6.218		
9,400.00	7,283.00	7,254.74	7,158.60	112.84	31.54	-89.51	2,157.00	5,172.34	671.45	546.57	124.88	5.377		
9,500.00	7,283.00	7,247.30	7,151.19	115.19	31.51	-88.83	2,156.74	5,172.88	643.12	508.43	134.68	4.775		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 2-T4N-R68W - EXIST DD AVEX 11-2D - Wellbore #1 - Wellbore #1													Offset Site Error:	0.00 usft
Survey Program: 171-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,600.00	7,283.00	7,239.63	7,143.54	117.56	31.48	-88.13	2,156.46	5,173.45	629.48	486.53	142.95	4.404		
9,637.28	7,283.00	7,236.70	7,140.62	118.45	31.47	-87.87	2,156.35	5,173.67	628.38	482.94	145.44	4.321 CC		
9,700.00	7,283.00	7,231.69	7,135.63	119.95	31.45	-87.41	2,156.16	5,174.04	631.49	482.72	148.76	4.245 ES, SF		
9,800.00	7,283.00	7,223.49	7,127.45	122.34	31.42	-86.67	2,155.85	5,174.67	648.98	497.26	151.73	4.277		
9,900.00	7,283.00	7,215.00	7,119.00	124.76	31.39	-85.90	2,155.53	5,175.33	680.78	528.70	152.08	4.477		
10,000.00	7,283.00	7,206.21	7,110.25	127.18	31.36	-85.10	2,155.18	5,176.02	724.98	574.53	150.45	4.819		
10,100.00	7,283.00	7,197.42	7,101.49	129.61	31.33	-84.30	2,154.83	5,176.73	779.48	631.90	147.58	5.282		
10,200.00	7,283.00	7,187.71	7,091.82	132.06	31.29	-83.42	2,154.44	5,177.53	842.29	698.22	144.07	5.847		
10,300.00	7,283.00	7,177.59	7,081.74	134.52	31.25	-82.51	2,154.02	5,178.37	911.67	771.33	140.34	6.496		
10,400.00	7,283.00	7,167.04	7,071.24	136.98	31.21	-81.56	2,153.57	5,179.27	986.23	849.58	136.65	7.217		
10,500.00	7,283.00	7,156.02	7,060.27	139.46	31.17	-80.57	2,153.09	5,180.23	1,064.88	931.74	133.14	7.998		
10,600.00	7,283.00	7,144.50	7,048.82	141.94	31.12	-79.54	2,152.57	5,181.26	1,146.78	1,016.90	129.88	8.830		
10,700.00	7,283.00	7,132.46	7,036.84	144.44	31.07	-78.47	2,152.01	5,182.35	1,231.27	1,104.39	126.88	9.704		
10,800.00	7,283.00	7,119.85	7,024.29	146.94	31.02	-77.36	2,151.40	5,183.53	1,317.85	1,193.71	124.13	10.617		
10,900.00	7,283.00	7,106.63	7,011.15	149.45	30.97	-76.20	2,150.75	5,184.79	1,406.12	1,284.49	121.62	11.561		
11,000.00	7,283.00	7,092.76	6,997.37	151.96	30.92	-74.99	2,150.05	5,186.15	1,495.78	1,376.44	119.34	12.534		
11,100.00	7,283.00	7,030.34	6,935.47	154.49	30.66	-69.70	2,146.39	5,193.28	1,586.41	1,469.93	116.47	13.620		
11,200.00	7,283.00	7,067.07	6,971.85	157.01	30.82	-72.79	2,148.69	5,188.75	1,678.35	1,562.96	115.38	14.546		
11,300.00	7,283.00	7,030.62	6,935.67	159.55	30.66	-69.73	2,146.62	5,192.71	1,770.88	1,657.57	113.30	15.629		
11,400.00	7,283.00	6,982.86	6,888.37	162.09	30.46	-65.87	2,143.61	5,198.65	1,863.92	1,752.74	111.18	16.765		
11,500.00	7,283.00	6,926.85	6,833.09	164.64	30.21	-61.57	2,139.64	5,206.70	1,957.27	1,848.23	109.04	17.950		
11,600.00	7,283.00	6,907.48	6,814.00	167.19	30.12	-60.14	2,138.20	5,209.69	2,050.99	1,943.36	107.63	19.057		
11,700.00	7,283.00	6,887.56	6,794.39	169.75	30.03	-58.71	2,136.72	5,212.81	2,145.13	2,038.82	106.31	20.179		
11,800.00	7,283.00	6,867.08	6,774.22	172.31	29.93	-57.28	2,135.21	5,216.06	2,239.64	2,134.57	105.07	21.315		
11,900.00	7,283.00	6,846.00	6,753.48	174.88	29.83	-55.85	2,133.66	5,219.45	2,334.46	2,230.55	103.91	22.466		
12,000.00	7,283.00	6,824.31	6,732.14	177.45	29.73	-54.42	2,132.07	5,223.00	2,429.56	2,326.74	102.82	23.629		
12,100.00	7,283.00	6,801.98	6,710.18	180.03	29.63	-52.99	2,130.44	5,226.70	2,524.89	2,423.10	101.79	24.805		
12,200.00	7,283.00	6,782.28	6,690.81	182.61	29.54	-51.76	2,128.99	5,230.00	2,620.44	2,519.58	100.86	25.982		
12,300.00	7,283.00	6,762.38	6,671.25	185.19	29.44	-50.56	2,127.50	5,233.35	2,716.18	2,616.20	99.98	27.168		
12,400.00	7,283.00	6,742.27	6,651.50	187.78	29.34	-49.38	2,125.96	5,236.75	2,812.10	2,712.96	99.14	28.364		
12,500.00	7,283.00	6,721.97	6,631.55	190.37	29.25	-48.22	2,124.39	5,240.20	2,908.18	2,809.83	98.35	29.569		
12,600.00	7,283.00	6,701.45	6,611.39	192.97	29.15	-47.08	2,122.77	5,243.70	3,004.40	2,906.80	97.60	30.784		
12,700.00	7,283.00	6,680.72	6,591.04	195.57	29.05	-45.96	2,121.11	5,247.26	3,100.74	3,003.87	96.88	32.007		
12,800.00	7,283.00	6,673.00	6,583.46	198.17	29.01	-45.56	2,120.48	5,248.60	3,197.22	3,100.85	96.37	33.175		
12,900.00	7,283.00	6,652.65	6,563.48	200.77	28.92	-44.51	2,118.79	5,252.08	3,293.82	3,198.09	95.72	34.410		
13,000.00	7,283.00	6,640.50	6,551.56	203.38	28.86	-43.89	2,117.75	5,254.13	3,390.56	3,295.35	95.21	35.611		
13,100.00	7,283.00	6,628.61	6,539.88	205.99	28.80	-43.30	2,116.71	5,256.11	3,487.43	3,392.70	94.73	36.815		
13,200.00	7,283.00	6,616.96	6,528.43	208.61	28.75	-42.73	2,115.68	5,258.04	3,584.41	3,490.14	94.27	38.022		
13,300.00	7,283.00	6,605.54	6,517.22	211.22	28.69	-42.18	2,114.64	5,259.90	3,681.51	3,587.67	93.84	39.233		
13,400.00	7,283.00	6,594.36	6,506.23	213.84	28.64	-41.65	2,113.61	5,261.72	3,778.71	3,685.28	93.43	40.446		
13,500.00	7,283.00	6,583.39	6,495.45	216.47	28.59	-41.14	2,112.57	5,263.47	3,876.01	3,782.97	93.03	41.662		
13,600.00	7,283.00	6,572.64	6,484.89	219.09	28.53	-40.64	2,111.54	5,265.18	3,973.39	3,880.73	92.66	42.880		
13,700.00	7,283.00	6,545.00	6,457.72	221.72	28.40	-39.41	2,108.82	5,269.49	4,070.92	3,978.84	92.07	44.213		
13,800.00	7,283.00	6,545.00	6,457.72	224.34	28.40	-39.41	2,108.82	5,269.49	4,168.42	4,076.55	91.88	45.369		
13,900.00	7,283.00	6,539.82	6,452.64	226.97	28.38	-39.18	2,108.30	5,270.29	4,266.04	4,174.42	91.62	46.560		
14,000.00	7,283.00	6,524.36	6,437.43	229.61	28.30	-38.51	2,106.75	5,272.67	4,363.73	4,272.48	91.24	47.825		
14,100.00	7,283.00	6,508.85	6,422.19	232.24	28.23	-37.86	2,105.22	5,275.06	4,461.46	4,370.58	90.88	49.093		
14,200.00	7,283.00	6,493.31	6,406.91	234.88	28.16	-37.22	2,103.71	5,277.46	4,559.24	4,468.72	90.53	50.364		
14,300.00	7,283.00	6,477.74	6,391.60	237.52	28.09	-36.60	2,102.20	5,279.87	4,657.06	4,566.88	90.19	51.639		
14,400.00	7,283.00	6,462.12	6,376.24	240.16	28.01	-35.99	2,100.71	5,282.29	4,754.93	4,665.07	89.86	52.917		
14,500.00	7,283.00	6,446.48	6,360.86	242.80	27.94	-35.39	2,099.23	5,284.71	4,852.83	4,763.29	89.54	54.199		
14,600.00	7,283.00	6,430.79	6,345.43	245.44	27.86	-34.81	2,097.77	5,287.15	4,950.76	4,861.53	89.23	55.483		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 171-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,700.00	7,283.00	6,415.03	6,329.93	248.09	27.79	-34.24	2,096.31	5,289.60	5,048.73	4,959.80	88.93	56.772		
14,800.00	7,283.00	6,398.92	6,314.08	250.74	27.71	-33.67	2,094.85	5,292.10	5,146.73	5,058.09	88.64	58.065		
14,900.00	7,283.00	6,382.75	6,298.18	253.38	27.64	-33.12	2,093.40	5,294.62	5,244.75	5,156.40	88.35	59.361		
15,000.00	7,283.00	6,366.52	6,282.21	256.03	27.56	-32.57	2,091.97	5,297.16	5,342.80	5,254.72	88.08	60.659		
15,100.00	7,283.00	6,350.23	6,266.19	258.69	27.49	-32.04	2,090.56	5,299.71	5,440.88	5,353.07	87.81	61.961		
15,200.00	7,283.00	6,333.88	6,250.10	261.34	27.41	-31.52	2,089.16	5,302.27	5,538.97	5,451.42	87.55	63.265		
15,300.00	7,283.00	6,317.47	6,233.95	263.99	27.33	-31.02	2,087.79	5,304.84	5,637.09	5,549.80	87.30	64.573		
15,400.00	7,283.00	6,301.00	6,217.74	266.65	27.26	-30.52	2,086.43	5,307.44	5,735.23	5,648.18	87.05	65.882		
15,500.00	7,283.00	6,289.00	6,205.93	269.31	27.20	-30.17	2,085.46	5,309.33	5,833.39	5,746.53	86.86	67.156		
15,600.00	7,283.00	6,289.00	6,205.93	271.96	27.20	-30.17	2,085.46	5,309.33	5,931.60	5,844.79	86.81	68.328		
15,700.00	7,283.00	6,264.58	6,181.90	274.62	27.09	-29.46	2,083.47	5,313.15	6,029.80	5,943.30	86.50	69.711		
15,800.00	7,283.00	6,254.05	6,171.52	277.28	27.04	-29.17	2,082.60	5,314.79	6,128.05	6,041.71	86.34	70.977		
15,900.00	7,283.00	6,243.63	6,161.26	279.94	26.99	-28.88	2,081.73	5,316.39	6,226.33	6,140.14	86.19	72.243		
16,000.00	7,283.00	6,233.33	6,151.12	282.61	26.94	-28.60	2,080.86	5,317.97	6,324.64	6,238.60	86.04	73.510		
16,100.00	7,283.00	6,223.14	6,141.09	285.27	26.89	-28.33	2,080.00	5,319.53	6,422.97	6,337.08	85.90	74.776		
16,200.00	7,283.00	6,213.07	6,131.17	287.94	26.85	-28.06	2,079.14	5,321.06	6,521.34	6,435.58	85.76	76.043		
16,300.00	7,283.00	6,203.10	6,121.36	290.60	26.80	-27.80	2,078.28	5,322.56	6,619.72	6,534.10	85.63	77.309		
16,400.00	7,283.00	6,193.25	6,111.66	293.27	26.75	-27.54	2,077.43	5,324.04	6,718.14	6,632.64	85.50	78.576		
16,500.00	7,283.00	6,183.51	6,102.06	295.94	26.71	-27.29	2,076.57	5,325.49	6,816.58	6,731.20	85.38	79.843		
16,600.00	7,283.00	6,161.00	6,079.89	298.60	26.61	-26.73	2,074.58	5,328.82	6,915.06	6,829.94	85.12	81.238		
16,700.00	7,283.00	6,166.84	6,085.65	301.27	26.63	-26.87	2,075.10	5,327.96	7,013.53	6,928.36	85.17	82.350		
16,800.00	7,283.00	6,150.25	6,069.30	303.94	26.56	-26.46	2,073.62	5,330.40	7,112.03	7,027.05	84.98	83.689		
16,900.00	7,283.00	6,133.58	6,052.88	306.62	26.48	-26.06	2,072.15	5,332.86	7,210.55	7,125.75	84.80	85.030		
17,000.00	7,283.00	6,116.85	6,036.39	309.29	26.40	-25.67	2,070.67	5,335.33	7,309.07	7,224.45	84.62	86.374		
17,100.00	7,283.00	6,100.04	6,019.83	311.96	26.32	-25.29	2,069.20	5,337.81	7,407.60	7,323.15	84.45	87.721		
17,200.00	7,283.00	6,083.15	6,003.20	314.63	26.25	-24.91	2,067.73	5,340.32	7,506.13	7,421.86	84.27	89.069		
17,300.00	7,283.00	6,066.20	5,986.50	317.31	26.17	-24.54	2,066.26	5,342.84	7,604.67	7,520.56	84.10	90.421		
17,400.00	7,283.00	6,055.31	5,975.77	319.98	26.12	-24.31	2,065.34	5,344.47	7,703.21	7,619.21	84.00	91.707		
17,500.00	7,283.00	6,031.69	5,952.51	322.66	26.01	-23.81	2,063.31	5,347.98	7,801.76	7,717.99	83.77	93.134		
17,600.00	7,283.00	6,007.65	5,928.82	325.34	25.90	-23.33	2,061.29	5,351.59	7,900.30	7,816.76	83.54	94.566		
17,700.00	7,283.00	5,983.16	5,904.70	328.01	25.79	-22.85	2,059.31	5,355.30	7,998.84	7,915.52	83.32	96.003		
17,800.00	7,283.00	5,958.22	5,880.13	330.69	25.67	-22.38	2,057.36	5,359.11	8,097.36	8,014.27	83.10	97.447		
17,900.00	7,283.00	5,932.82	5,855.11	333.37	25.55	-21.92	2,055.44	5,363.03	8,195.88	8,113.00	82.87	98.896		
18,000.00	7,283.00	5,906.94	5,829.62	336.05	25.43	-21.47	2,053.56	5,367.06	8,294.38	8,211.72	82.65	100.350		
18,100.00	7,283.00	5,759.39	5,684.54	338.73	24.74	-19.13	2,041.96	5,391.32	8,392.64	8,311.33	81.31	103.216		
18,200.00	7,283.00	5,741.89	5,667.36	341.41	24.65	-18.87	2,040.45	5,394.31	8,490.89	8,409.71	81.17	104.603		
18,300.00	7,283.00	5,724.39	5,650.19	344.09	24.57	-18.62	2,038.92	5,397.30	8,589.14	8,508.10	81.04	105.992		
18,400.00	7,283.00	5,706.90	5,633.02	346.77	24.48	-18.38	2,037.37	5,400.29	8,687.40	8,606.49	80.90	107.382		
18,500.00	7,283.00	5,689.42	5,615.87	349.46	24.40	-18.13	2,035.81	5,403.27	8,785.66	8,704.89	80.77	108.775		
18,600.00	7,283.00	5,671.94	5,598.72	352.14	24.31	-17.90	2,034.22	5,406.26	8,883.93	8,803.29	80.64	110.170		
18,700.00	7,283.00	5,661.41	5,588.39	354.82	24.26	-17.75	2,033.28	5,408.06	8,982.20	8,901.62	80.57	111.477		
18,800.00	7,283.00	5,627.45	5,555.08	357.51	24.10	-17.31	2,030.15	5,413.87	9,080.47	9,000.18	80.29	113.089		
18,900.00	7,283.00	5,592.62	5,520.91	360.19	23.93	-16.87	2,027.09	5,419.89	9,178.72	9,098.71	80.02	114.710		
19,000.00	7,283.00	5,556.88	5,485.85	362.88	23.76	-16.44	2,024.12	5,426.16	9,276.94	9,197.20	79.74	116.341		
19,100.00	7,283.00	5,520.20	5,449.86	365.56	23.58	-16.03	2,021.24	5,432.67	9,375.13	9,295.67	79.46	117.980		
19,200.00	7,283.00	5,504.60	5,434.56	368.25	23.50	-15.86	2,020.06	5,435.46	9,473.31	9,393.94	79.37	119.349		
19,247.68	7,283.00	5,497.51	5,427.61	369.53	23.47	-15.78	2,019.53	5,436.73	9,520.12	9,440.79	79.34	119.997		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 158-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	0.00	0.00	0.27	0.00	75.42	1,595.64	6,133.77	6,337.95	6,337.68	0.27	N/A		
200.00	200.00	113.49	113.49	0.63	0.19	75.42	1,595.86	6,133.41	6,337.71	6,336.89	0.81	7,784.518		
300.00	299.98	269.78	269.77	0.98	0.66	5.80	1,596.59	6,131.64	6,334.99	6,333.35	1.64	3,852.706		
400.00	399.84	384.72	384.69	1.34	1.07	5.82	1,596.72	6,129.73	6,328.20	6,325.79	2.42	2,619.126		
500.00	499.45	481.95	481.91	1.71	1.42	5.84	1,596.61	6,128.15	6,317.94	6,314.82	3.13	2,020.253		
600.00	598.70	596.07	596.01	2.10	1.83	5.88	1,596.35	6,126.17	6,304.09	6,300.19	3.90	1,615.581		
700.00	697.47	1,740.43	1,730.56	2.51	6.39	6.55	1,522.33	6,017.79	6,271.02	6,262.55	8.46	741.002		
800.00	795.62	1,798.00	1,787.02	2.95	6.65	6.69	1,515.78	6,008.69	6,234.56	6,225.52	9.04	689.538		
900.00	893.06	1,864.72	1,852.54	3.43	6.96	6.86	1,508.54	5,998.37	6,195.34	6,185.69	9.66	641.506		
1,000.00	989.64	1,926.00	1,912.80	3.95	7.24	7.02	1,502.38	5,989.07	6,153.40	6,143.15	10.26	599.996		
1,100.00	1,085.27	1,987.13	1,972.96	4.52	7.52	7.21	1,496.42	5,980.03	6,108.77	6,097.91	10.86	562.686		
1,200.00	1,179.82	2,054.00	2,038.81	5.14	7.82	7.42	1,489.77	5,970.50	6,061.48	6,050.00	11.48	527.923		
1,300.00	1,273.17	2,133.67	2,117.28	5.81	8.18	7.67	1,481.61	5,959.40	6,011.39	5,999.23	12.16	494.401		
1,400.00	1,365.21	2,273.26	2,254.56	6.54	8.83	8.05	1,466.24	5,939.31	5,957.74	5,944.68	13.06	456.190		
1,500.00	1,455.84	2,378.21	2,357.61	7.33	9.32	8.41	1,454.10	5,923.57	5,900.65	5,886.81	13.84	426.467		
1,600.00	1,544.94	2,439.00	2,417.32	8.19	9.61	8.75	1,447.04	5,914.60	5,841.01	5,826.56	14.45	404.109		
1,700.00	1,632.39	2,478.69	2,456.34	9.12	9.79	9.07	1,442.51	5,908.93	5,779.03	5,764.03	15.00	385.295		
1,800.00	1,718.11	2,521.94	2,498.90	10.11	9.99	9.43	1,437.70	5,902.95	5,714.84	5,699.28	15.56	367.263		
1,900.00	1,801.97	2,567.00	2,543.29	11.18	10.20	9.82	1,432.82	5,896.95	5,648.48	5,632.35	16.13	350.139		
1,969.27	1,858.92	2,642.40	2,617.59	11.96	10.55	10.23	1,424.73	5,886.92	5,601.08	5,584.40	16.68	335.735		
2,000.00	1,883.98	2,678.60	2,653.23	12.31	10.72	10.33	1,420.80	5,881.96	5,579.69	5,562.76	16.94	329.459		
2,100.00	1,965.50	2,758.11	2,731.48	13.48	11.08	10.54	1,412.08	5,870.90	5,509.94	5,492.32	17.62	312.718		
2,200.00	2,047.03	2,826.00	2,798.28	14.65	11.40	10.72	1,404.52	5,861.44	5,440.19	5,421.92	18.27	297.737		
2,300.00	2,128.56	2,878.16	2,849.62	15.84	11.64	10.86	1,398.72	5,854.27	5,370.61	5,351.73	18.88	284.451		
2,400.00	2,210.09	2,927.69	2,898.41	17.03	11.87	11.00	1,393.32	5,847.65	5,301.35	5,281.86	19.49	272.005		
2,500.00	2,291.61	2,985.27	2,955.16	18.23	12.14	11.17	1,387.15	5,840.14	5,232.39	5,212.25	20.13	259.896		
2,600.00	2,373.14	3,051.64	3,020.60	19.44	12.44	11.36	1,380.18	5,831.54	5,163.55	5,142.74	20.81	248.138		
2,700.00	2,454.67	3,116.19	3,084.26	20.64	12.73	11.54	1,373.52	5,823.22	5,094.83	5,073.35	21.49	237.115		
2,800.00	2,536.20	3,179.14	3,146.36	21.86	13.02	11.73	1,366.98	5,815.21	5,026.26	5,004.10	22.17	226.752		
2,900.00	2,617.72	3,272.89	3,238.83	23.07	13.45	12.02	1,357.16	5,803.28	4,957.74	4,934.80	22.94	216.110		
3,000.00	2,699.25	3,368.57	3,333.10	24.29	13.89	12.33	1,347.13	5,790.44	4,888.71	4,864.99	23.72	206.073		
3,100.00	2,780.78	3,434.26	3,397.83	25.50	14.19	12.54	1,340.24	5,781.56	4,819.69	4,795.26	24.43	197.303		
3,200.00	2,862.31	3,497.95	3,460.59	26.73	14.49	12.76	1,333.51	5,773.04	4,750.79	4,725.66	25.14	189.010		
3,300.00	2,943.83	3,559.60	3,521.32	27.95	14.77	12.98	1,326.65	5,764.98	4,682.08	4,656.23	25.85	181.153		
3,400.00	3,025.36	3,625.95	3,586.67	29.17	15.08	13.23	1,318.85	5,756.51	4,613.54	4,586.96	26.58	173.579		
3,500.00	3,106.89	3,698.50	3,658.09	30.40	15.42	13.52	1,310.06	5,747.30	4,545.07	4,517.73	27.34	166.260		
3,600.00	3,188.42	3,764.67	3,723.22	31.62	15.72	13.79	1,301.92	5,738.93	4,476.66	4,448.58	28.09	159.383		
3,700.00	3,269.94	3,827.65	3,785.23	32.85	16.02	14.05	1,294.29	5,731.05	4,408.44	4,379.61	28.84	152.867		
3,800.00	3,351.47	3,892.68	3,849.30	34.07	16.31	14.32	1,286.63	5,722.99	4,340.42	4,310.81	29.60	146.632		
3,900.00	3,433.00	3,959.20	3,914.91	35.30	16.62	14.60	1,279.33	5,714.72	4,272.54	4,242.17	30.37	140.670		
4,000.00	3,514.53	4,046.99	4,001.53	36.53	17.02	14.97	1,270.38	5,703.61	4,204.69	4,173.50	31.19	134.800		
4,100.00	3,596.05	4,131.47	4,084.86	37.76	17.41	15.33	1,262.10	5,692.45	4,136.53	4,104.52	32.01	129.231		
4,200.00	3,677.58	4,195.05	4,147.55	38.99	17.70	15.62	1,255.51	5,684.12	4,068.46	4,035.67	32.80	124.048		
4,300.00	3,759.11	4,293.52	4,244.57	40.22	18.16	16.09	1,244.59	5,671.30	4,000.50	3,966.84	33.66	118.841		
4,400.00	3,840.64	4,400.51	4,349.84	41.45	18.66	16.62	1,233.18	5,655.99	3,931.63	3,897.09	34.55	113.812		
4,500.00	3,922.16	4,463.58	4,411.87	42.68	18.96	16.94	1,226.36	5,646.88	3,862.80	3,827.44	35.36	109.228		
4,600.00	4,003.69	4,532.60	4,479.75	43.91	19.28	17.32	1,218.68	5,637.04	3,794.17	3,757.96	36.21	104.788		
4,700.00	4,085.22	4,606.89	4,552.79	45.15	19.64	17.73	1,210.25	5,626.42	3,725.57	3,688.50	37.07	100.490		
4,800.00	4,166.75	4,667.39	4,612.28	46.38	19.92	18.08	1,203.34	5,617.79	3,657.11	3,619.18	37.93	96.405		
4,900.00	4,248.27	4,725.38	4,669.33	47.61	20.20	18.43	1,196.84	5,609.71	3,589.00	3,550.19	38.81	92.482		
5,000.00	4,329.80	4,779.94	4,723.05	48.84	20.45	18.76	1,190.80	5,602.29	3,521.26	3,481.57	39.69	88.712		
5,100.00	4,411.33	4,832.28	4,774.60	50.08	20.70	19.09	1,184.86	5,595.47	3,454.02	3,413.42	40.60	85.082		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 158-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,492.86	4,891.53	4,832.98	51.31	20.97	19.49	1,177.92	5,588.08	3,387.27	3,345.74	41.53	81.562		
5,300.00	4,574.38	4,986.43	4,926.39	52.54	21.42	20.15	1,166.34	5,576.05	3,320.49	3,277.95	42.53	78.069		
5,400.00	4,655.91	5,061.12	4,999.85	53.78	21.77	20.70	1,157.04	5,566.24	3,253.52	3,209.99	43.53	74.739		
5,500.00	4,737.44	5,131.35	5,068.97	55.01	22.10	21.22	1,148.72	5,556.98	3,186.73	3,142.18	44.55	71.539		
5,600.00	4,818.97	5,202.38	5,138.91	56.24	22.43	21.76	1,140.64	5,547.59	3,120.10	3,074.53	45.58	68.458		
5,700.00	4,900.49	5,262.00	5,197.63	57.48	22.71	22.23	1,134.04	5,539.68	3,053.67	3,007.05	46.62	65.497		
5,800.00	4,982.02	5,309.28	5,244.26	58.71	22.92	22.61	1,129.06	5,533.66	2,987.87	2,940.19	47.68	62.663		
5,900.00	5,063.55	5,350.95	5,285.44	59.95	23.11	22.94	1,124.96	5,528.80	2,923.00	2,874.24	48.76	59.942		
6,000.00	5,145.08	5,403.35	5,337.32	61.18	23.34	23.37	1,120.18	5,523.22	2,859.08	2,809.21	49.88	57.322		
6,100.00	5,226.60	5,537.41	5,469.88	62.42	23.94	24.51	1,107.73	5,507.50	2,794.51	2,743.46	51.05	54.742		
6,200.00	5,308.13	5,608.69	5,540.21	63.65	24.26	25.17	1,100.43	5,498.51	2,729.59	2,677.34	52.25	52.243		
6,300.00	5,389.66	5,692.05	5,622.37	64.89	24.65	26.00	1,091.14	5,487.94	2,664.86	2,611.36	53.50	49.808		
6,400.00	5,471.19	5,788.60	5,717.40	66.12	25.10	27.02	1,080.04	5,474.90	2,599.82	2,545.01	54.81	47.434		
6,500.00	5,552.72	5,842.40	5,770.37	67.36	25.35	27.61	1,074.14	5,467.63	2,535.06	2,478.91	56.14	45.154		
6,600.00	5,634.24	5,904.00	5,831.11	68.59	25.64	28.29	1,067.86	5,459.55	2,470.92	2,413.40	57.52	42.959		
6,700.00	5,715.77	6,003.25	5,928.92	69.83	26.10	29.45	1,057.58	5,446.14	2,406.86	2,347.91	58.95	40.831		
6,800.00	5,797.30	6,064.63	5,989.27	71.06	26.39	30.23	1,050.64	5,437.42	2,342.69	2,282.24	60.45	38.754		
6,900.00	5,878.83	6,111.10	6,035.01	72.30	26.60	30.84	1,045.20	5,431.26	2,279.62	2,217.60	62.02	36.756		
7,000.00	5,960.35	6,160.00	6,083.19	73.53	26.83	31.51	1,039.33	5,425.29	2,217.76	2,154.10	63.66	34.839		
7,100.00	6,041.88	6,306.53	6,227.17	74.77	27.53	33.67	1,021.21	5,405.07	2,155.08	2,089.65	65.43	32.939		
7,200.00	6,123.41	6,361.64	6,281.27	76.01	27.80	34.53	1,014.68	5,396.87	2,092.41	2,025.17	67.24	31.120		
7,300.00	6,204.94	6,419.22	6,337.92	77.24	28.08	35.44	1,008.36	5,388.75	2,030.81	1,961.70	69.12	29.382		
7,400.00	6,286.46	6,512.56	6,429.81	78.48	28.51	36.98	998.89	5,375.39	1,969.64	1,898.58	71.06	27.719		
7,500.00	6,367.99	6,608.48	6,524.14	79.71	28.97	38.65	989.69	5,360.56	1,908.28	1,835.20	73.08	26.113		
7,600.00	6,449.52	6,689.98	6,604.07	80.95	29.37	40.19	981.56	5,346.90	1,846.77	1,771.54	75.23	24.548		
7,700.00	6,531.05	6,742.55	6,655.61	82.19	29.62	41.24	975.97	5,338.19	1,786.35	1,708.80	77.55	23.036		
7,800.00	6,612.57	6,801.00	6,712.95	83.42	29.91	42.46	969.34	5,329.00	1,727.51	1,647.52	79.99	21.597		
7,900.00	6,694.10	6,854.79	6,765.74	84.66	30.17	43.64	962.94	5,320.89	1,670.24	1,587.67	82.57	20.229		
8,000.00	6,775.63	6,914.87	6,824.71	85.89	30.47	45.02	955.53	5,312.11	1,614.57	1,529.28	85.29	18.931		
8,100.00	6,857.16	6,973.16	6,881.96	87.13	30.74	46.41	948.26	5,303.94	1,560.66	1,472.52	88.14	17.706		
8,200.00	6,938.68	7,032.00	6,939.89	88.37	31.02	47.85	941.26	5,296.29	1,508.75	1,417.63	91.11	16.559		
8,300.00	7,020.21	7,097.94	7,004.90	89.60	31.33	49.52	933.72	5,288.27	1,458.85	1,364.64	94.22	15.484		
8,310.57	7,028.83	7,105.38	7,012.23	89.73	31.36	49.71	932.85	5,287.36	1,453.68	1,359.13	94.55	15.374		
8,350.00	7,060.23	7,132.25	7,038.71	90.25	31.49	49.42	929.67	5,284.09	1,433.52	1,337.68	95.84	14.957		
8,400.00	7,097.77	7,163.66	7,069.65	90.98	31.63	49.94	925.87	5,280.23	1,405.47	1,307.92	97.54	14.409		
8,450.00	7,132.48	7,192.25	7,097.80	91.79	31.76	51.35	922.33	5,276.71	1,374.86	1,275.55	99.31	13.844		
8,500.00	7,164.10	7,218.73	7,123.89	92.67	31.89	53.65	919.11	5,273.45	1,341.96	1,240.81	101.15	13.267		
8,550.00	7,192.40	7,241.72	7,146.54	93.63	31.99	56.77	916.39	5,270.65	1,307.04	1,203.99	103.04	12.685		
8,600.00	7,217.15	7,261.00	7,165.55	94.64	32.08	60.69	914.16	5,268.31	1,270.40	1,165.41	104.99	12.100		
8,650.00	7,238.16	7,276.38	7,180.72	95.70	32.15	65.38	912.42	5,266.45	1,232.36	1,125.37	106.98	11.519		
8,700.00	7,255.29	7,287.71	7,191.89	96.80	32.20	70.76	911.17	5,265.09	1,193.23	1,084.20	109.02	10.945		
8,750.00	7,268.39	7,294.85	7,198.94	97.92	32.24	76.67	910.38	5,264.23	1,153.33	1,042.23	111.10	10.381		
8,800.00	7,277.37	7,297.73	7,201.77	99.06	32.25	82.92	910.07	5,263.89	1,112.98	999.79	113.19	9.833		
8,850.00	7,282.15	7,296.28	7,200.34	100.20	32.24	89.24	910.23	5,264.06	1,072.48	957.18	115.30	9.302		
8,881.61	7,283.00	7,293.12	7,197.23	100.91	32.23	93.17	910.57	5,264.44	1,046.93	930.31	116.62	8.977		
8,900.00	7,283.00	7,290.78	7,194.92	101.33	32.22	92.96	910.83	5,264.72	1,032.15	914.75	117.40	8.792		
9,000.00	7,283.00	7,277.99	7,182.31	103.59	32.16	91.79	912.24	5,266.26	953.90	832.01	121.89	7.826		
9,100.00	7,283.00	7,265.12	7,169.60	105.87	32.10	90.62	913.69	5,267.81	879.89	753.10	126.79	6.940		
9,200.00	7,283.00	7,252.14	7,156.81	108.18	32.04	89.42	915.18	5,269.38	811.28	679.30	131.99	6.147		
9,300.00	7,283.00	7,239.07	7,143.93	110.50	31.98	88.21	916.70	5,270.97	749.55	612.33	137.22	5.462		
9,400.00	7,283.00	7,225.91	7,130.96	112.84	31.92	86.99	918.25	5,272.58	696.54	554.49	142.04	4.904		
9,500.00	7,283.00	7,212.65	7,117.89	115.19	31.86	85.76	919.84	5,274.20	654.35	508.57	145.78	4.489		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 158-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,600.00	7,283.00	7,199.29	7,104.73	117.56	31.80	84.52	921.47	5,275.84	625.18	477.58	147.60	4.236		
9,700.00	7,283.00	7,186.00	7,091.65	119.95	31.74	83.28	923.11	5,277.48	610.90	464.12	146.78	4.162 SF		
9,739.65	7,283.00	7,181.21	7,086.93	120.90	31.71	82.83	923.70	5,278.07	609.63	463.97	145.66	4.185 CC, ES		
9,800.00	7,283.00	7,174.15	7,079.98	122.34	31.68	82.17	924.58	5,278.94	612.57	469.47	143.10	4.281		
9,900.00	7,283.00	7,162.50	7,068.51	124.76	31.63	81.09	926.01	5,280.38	630.07	493.16	136.91	4.602		
10,000.00	7,283.00	7,150.91	7,057.09	127.18	31.57	80.01	927.42	5,281.80	662.16	533.04	129.12	5.128		
10,100.00	7,283.00	7,139.37	7,045.72	129.61	31.52	78.94	928.81	5,283.21	706.85	586.13	120.72	5.855		
10,200.00	7,283.00	7,127.88	7,034.40	132.06	31.47	77.87	930.19	5,284.62	761.93	649.42	112.51	6.772		
10,300.00	7,283.00	7,116.44	7,023.13	134.52	31.41	76.81	931.55	5,286.02	825.32	720.38	104.94	7.864		
10,400.00	7,283.00	7,105.05	7,011.91	136.98	31.36	75.77	932.89	5,287.40	895.26	797.03	98.24	9.113		
10,500.00	7,283.00	7,093.71	7,000.73	139.46	31.31	74.73	934.21	5,288.78	970.34	877.92	92.42	10.499		
10,600.00	7,283.00	7,082.43	6,989.60	141.94	31.26	73.70	935.51	5,290.15	1,049.45	962.00	87.45	12.000		
10,700.00	7,283.00	7,076.61	6,983.88	144.44	31.23	73.18	936.21	5,290.88	1,131.72	1,048.32	83.39	13.571		
10,800.00	7,283.00	7,060.90	6,968.38	146.94	31.16	71.76	937.97	5,292.75	1,216.59	1,136.90	79.69	15.267		
10,900.00	7,283.00	7,044.44	6,952.15	149.45	31.08	70.30	939.83	5,294.75	1,303.47	1,226.95	76.53	17.033		
11,000.00	7,283.00	7,027.18	6,935.14	151.96	31.00	68.78	941.82	5,296.89	1,391.96	1,318.15	73.81	18.858		
11,100.00	7,283.00	7,009.06	6,917.29	154.49	30.91	67.21	943.94	5,299.20	1,481.76	1,410.28	71.48	20.730		
11,200.00	7,283.00	6,990.02	6,898.54	157.01	30.82	65.58	946.21	5,301.69	1,572.65	1,503.18	69.46	22.640		
11,300.00	7,283.00	6,969.97	6,878.83	159.55	30.73	63.90	948.65	5,304.38	1,664.42	1,596.71	67.71	24.582		
11,400.00	7,283.00	6,948.84	6,858.06	162.09	30.63	62.16	951.26	5,307.28	1,756.93	1,690.76	66.17	26.551		
11,500.00	7,283.00	6,927.61	6,837.22	164.64	30.53	60.45	953.93	5,310.28	1,850.06	1,785.21	64.84	28.531		
11,600.00	7,283.00	6,911.67	6,821.57	167.19	30.45	59.20	955.93	5,312.57	1,943.73	1,879.90	63.83	30.452		
11,700.00	7,283.00	6,895.45	6,805.65	169.75	30.37	57.95	957.96	5,314.92	2,037.90	1,974.94	62.96	32.369		
11,800.00	7,283.00	6,878.93	6,789.43	172.31	30.29	56.70	960.00	5,317.33	2,132.48	2,070.28	62.20	34.282		
11,900.00	7,283.00	6,862.11	6,772.93	174.88	30.21	55.45	962.05	5,319.81	2,227.43	2,165.88	61.55	36.189		
12,000.00	7,283.00	6,844.99	6,756.12	177.45	30.13	54.22	964.12	5,322.35	2,322.69	2,261.71	60.98	38.088		
12,100.00	7,283.00	6,827.55	6,739.00	180.03	30.04	52.99	966.21	5,324.97	2,418.23	2,357.74	60.49	39.979		
12,200.00	7,283.00	6,811.54	6,723.29	182.61	29.96	51.89	968.10	5,327.40	2,514.01	2,453.92	60.09	41.838		
12,300.00	7,283.00	6,795.67	6,707.84	185.19	29.86	50.43	970.66	5,330.74	2,610.00	2,550.37	59.63	43.770		
12,400.00	7,283.00	6,776.85	6,679.44	187.78	29.74	48.96	973.26	5,334.31	2,706.15	2,646.94	59.21	45.707		
12,500.00	7,283.00	6,743.00	6,656.05	190.37	29.63	47.48	975.92	5,338.12	2,802.44	2,743.63	58.81	47.649		
12,600.00	7,283.00	6,718.06	6,631.60	192.97	29.50	45.99	978.61	5,342.20	2,898.85	2,840.40	58.44	49.600		
12,700.00	7,283.00	6,691.96	6,606.01	195.57	29.38	44.50	981.35	5,346.56	2,995.35	2,937.26	58.09	51.562		
12,800.00	7,283.00	6,673.00	6,587.43	198.17	29.28	43.46	983.29	5,349.79	3,091.93	3,034.03	57.90	53.400		
12,900.00	7,283.00	6,673.00	6,587.43	200.77	29.28	43.46	983.29	5,349.79	3,188.69	3,130.63	58.06	54.919		
13,000.00	7,283.00	6,647.35	6,562.28	203.38	29.16	42.10	985.86	5,354.15	3,285.49	3,227.69	57.80	56.845		
13,100.00	7,283.00	6,636.57	6,551.71	205.99	29.11	41.55	986.93	5,355.95	3,382.47	3,324.67	57.80	58.520		
13,200.00	7,283.00	6,626.01	6,541.35	208.61	29.06	41.02	987.97	5,357.70	3,479.57	3,421.75	57.82	60.182		
13,300.00	7,283.00	6,615.66	6,531.18	211.22	29.01	40.50	988.99	5,359.40	3,576.78	3,518.93	57.85	61.833		
13,400.00	7,283.00	6,605.50	6,521.21	213.84	28.96	40.01	989.98	5,361.04	3,674.09	3,616.21	57.88	63.472		
13,500.00	7,283.00	6,595.55	6,511.43	216.47	28.91	39.53	990.95	5,362.64	3,771.50	3,713.57	57.93	65.102		
13,600.00	7,283.00	6,585.78	6,501.84	219.09	28.86	39.07	991.89	5,364.20	3,869.01	3,811.02	57.99	66.721		
13,700.00	7,283.00	6,576.20	6,492.42	221.72	28.82	38.63	992.82	5,365.71	3,966.60	3,908.55	58.05	68.332		
13,800.00	7,283.00	6,545.00	6,461.74	224.34	28.67	37.23	995.78	5,370.52	4,064.36	4,006.56	57.81	70.308		
13,900.00	7,283.00	6,545.00	6,461.74	226.97	28.67	37.23	995.78	5,370.52	4,162.04	4,104.03	58.01	71.742		
14,000.00	7,283.00	6,545.00	6,461.74	229.61	28.67	37.23	995.78	5,370.52	4,259.83	4,201.62	58.22	73.171		
14,100.00	7,283.00	6,545.00	6,461.74	232.24	28.67	37.23	995.78	5,370.52	4,357.72	4,299.30	58.42	74.595		
14,200.00	7,283.00	6,545.00	6,461.74	234.88	28.67	37.23	995.78	5,370.52	4,455.70	4,397.09	58.62	76.015		
14,300.00	7,283.00	6,517.72	6,434.89	237.52	28.54	36.03	998.39	5,374.63	4,553.65	4,495.20	58.46	77.900		
14,400.00	7,283.00	6,507.55	6,424.88	240.16	28.49	35.65	999.38	5,376.14	4,651.70	4,593.18	58.52	79.486		
14,500.00	7,283.00	6,497.53	6,415.02	242.80	28.44	35.24	1,000.36	5,377.61	4,749.80	4,691.21	58.59	81.066		
14,600.00	7,283.00	6,487.65	6,405.30	245.44	28.40	34.84	1,001.34	5,379.05	4,847.95	4,789.29	58.66	82.638		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 158-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,700.00	7,283.00	6,477.93	6,395.73	248.09	28.35	34.45	1,002.31	5,380.46	4,946.14	4,887.40	58.74	84.205		
14,800.00	7,283.00	6,468.35	6,386.30	250.74	28.31	34.08	1,003.27	5,381.84	5,044.38	4,985.56	58.82	85.765		
14,900.00	7,283.00	6,458.91	6,377.01	253.38	28.26	33.72	1,004.23	5,383.19	5,142.66	5,083.76	58.89	87.320		
15,000.00	7,283.00	6,449.61	6,367.85	256.03	28.22	33.36	1,005.19	5,384.51	5,240.97	5,182.00	58.97	88.868		
15,100.00	7,283.00	6,440.44	6,358.82	258.69	28.17	33.02	1,006.13	5,385.80	5,339.33	5,280.27	59.06	90.410		
15,200.00	7,283.00	6,386.35	6,305.62	261.34	27.92	31.07	1,012.13	5,393.53	5,437.67	5,379.04	58.63	92.744		
15,300.00	7,283.00	6,371.70	6,291.24	263.99	27.85	30.57	1,013.82	5,395.67	5,535.97	5,477.32	58.66	94.376		
15,400.00	7,283.00	6,389.38	6,308.55	266.65	27.93	31.19	1,011.57	5,392.91	5,634.60	5,575.56	59.04	95.438		
15,500.00	7,283.00	6,288.00	6,209.00	269.31	27.44	27.91	1,023.51	5,407.91	5,732.90	5,674.76	58.14	98.608		
15,600.00	7,283.00	6,288.00	6,209.00	271.96	27.44	27.91	1,023.51	5,407.91	5,831.14	5,772.81	58.33	99.968		
15,700.00	7,283.00	6,288.00	6,209.00	274.62	27.44	27.91	1,023.51	5,407.91	5,929.44	5,870.92	58.52	101.326		
15,800.00	7,283.00	6,288.00	6,209.00	277.28	27.44	27.91	1,023.51	5,407.91	6,027.80	5,969.09	58.70	102.680		
15,900.00	7,283.00	6,288.00	6,209.00	279.94	27.44	27.91	1,023.51	5,407.91	6,126.21	6,067.32	58.89	104.032		
16,000.00	7,283.00	6,288.00	6,209.00	282.61	27.44	27.91	1,023.51	5,407.91	6,224.67	6,165.60	59.07	105.381		
16,100.00	7,283.00	6,288.00	6,209.00	285.27	27.44	27.91	1,023.51	5,407.91	6,323.18	6,263.93	59.25	106.727		
16,200.00	7,283.00	6,288.00	6,209.00	287.94	27.44	27.91	1,023.51	5,407.91	6,421.73	6,362.31	59.42	108.070		
16,300.00	7,283.00	6,288.00	6,209.00	290.60	27.44	27.91	1,023.51	5,407.91	6,520.33	6,460.73	59.60	109.411		
16,400.00	7,283.00	6,241.08	6,162.97	293.27	27.22	26.54	1,029.37	5,414.85	6,618.47	6,559.15	59.32	111.579		
16,500.00	7,283.00	6,236.44	6,158.41	295.94	27.20	26.41	1,029.95	5,415.50	6,717.05	6,657.60	59.45	112.996		
16,600.00	7,283.00	6,231.90	6,153.95	298.60	27.18	26.28	1,030.51	5,416.14	6,815.66	6,756.09	59.57	114.408		
16,700.00	7,283.00	6,227.44	6,149.57	301.27	27.16	26.16	1,031.06	5,416.75	6,914.30	6,854.60	59.70	115.815		
16,800.00	7,283.00	6,223.06	6,145.27	303.94	27.13	26.04	1,031.60	5,417.34	7,012.98	6,953.15	59.83	117.218		
16,900.00	7,283.00	6,218.77	6,141.05	306.62	27.11	25.92	1,032.13	5,417.92	7,111.68	7,051.72	59.96	118.616		
17,000.00	7,283.00	6,214.56	6,136.91	309.29	27.09	25.81	1,032.65	5,418.48	7,210.41	7,150.32	60.08	120.010		
17,100.00	7,283.00	6,210.43	6,132.85	311.96	27.07	25.69	1,033.16	5,419.03	7,309.16	7,248.95	60.21	121.399		
17,200.00	7,283.00	6,206.38	6,128.86	314.63	27.05	25.59	1,033.66	5,419.56	7,407.94	7,347.61	60.33	122.784		
17,300.00	7,283.00	6,160.00	6,083.19	317.31	26.83	24.39	1,039.33	5,425.29	7,507.14	7,447.06	60.09	124.936		
17,400.00	7,283.00	6,160.00	6,083.19	319.98	26.83	24.39	1,039.33	5,425.29	7,605.91	7,545.66	60.25	126.242		
17,500.00	7,283.00	6,160.00	6,083.19	322.66	26.83	24.39	1,039.33	5,425.29	7,704.70	7,644.29	60.41	127.544		
17,600.00	7,283.00	6,155.46	6,078.72	325.34	26.81	24.27	1,039.87	5,425.89	7,803.52	7,743.00	60.53	128.925		
17,700.00	7,283.00	6,142.37	6,065.83	328.01	26.75	23.95	1,041.40	5,427.60	7,902.36	7,841.78	60.57	130.458		
17,800.00	7,283.00	6,129.27	6,052.94	330.69	26.69	23.64	1,042.94	5,429.31	8,001.20	7,940.58	60.62	131.989		
17,900.00	7,283.00	6,116.17	6,040.04	333.37	26.63	23.33	1,044.48	5,431.02	8,100.05	8,039.38	60.67	133.516		
18,000.00	7,283.00	6,103.07	6,027.15	336.05	26.57	23.03	1,046.02	5,432.74	8,198.91	8,138.19	60.71	135.040		
18,100.00	7,283.00	6,089.98	6,014.26	338.73	26.50	22.73	1,047.56	5,434.45	8,297.77	8,237.01	60.76	136.561		
18,200.00	7,283.00	6,076.88	6,001.37	341.41	26.44	22.44	1,049.10	5,436.16	8,396.64	8,335.83	60.81	138.078		
18,300.00	7,283.00	5,991.63	5,917.48	344.09	26.04	20.67	1,058.84	5,447.78	8,495.37	8,435.08	60.30	140.896		
18,400.00	7,283.00	5,985.16	5,911.11	346.77	26.01	20.55	1,059.54	5,448.68	8,594.15	8,533.75	60.40	142.287		
18,500.00	7,283.00	5,978.76	5,904.80	349.46	25.98	20.43	1,060.23	5,449.57	8,692.94	8,632.43	60.50	143.674		
18,600.00	7,283.00	5,972.43	5,898.57	352.14	25.95	20.31	1,060.90	5,450.44	8,791.75	8,731.14	60.61	145.056		
18,700.00	7,283.00	5,966.17	5,892.41	354.82	25.93	20.19	1,061.56	5,451.30	8,890.57	8,829.86	60.71	146.434		
18,800.00	7,283.00	5,959.99	5,886.32	357.51	25.90	20.08	1,062.21	5,452.14	8,989.41	8,928.59	60.82	147.807		
18,900.00	7,283.00	5,953.88	5,880.30	360.19	25.87	19.97	1,062.84	5,452.97	9,088.27	9,027.35	60.92	149.177		
19,000.00	7,283.00	5,947.83	5,874.34	362.88	25.84	19.86	1,063.47	5,453.78	9,187.15	9,126.12	61.03	150.541		
19,100.00	7,283.00	5,941.86	5,868.45	365.56	25.81	19.75	1,064.08	5,454.59	9,286.03	9,224.90	61.13	151.902		
19,200.00	7,283.00	5,904.00	5,831.11	368.25	25.64	19.09	1,067.86	5,459.55	9,385.06	9,324.06	61.00	153.849		
19,247.68	7,283.00	5,904.00	5,831.11	369.53	25.64	19.09	1,067.86	5,459.55	9,432.20	9,371.13	61.07	154.442		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 644-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	0.00	0.00	0.27	0.00	75.07	1,635.71	6,134.32	6,348.69	6,348.42	0.27	N/A		
144.54	144.54	25.33	25.33	0.43	0.04	75.07	1,635.71	6,134.32	6,348.65	6,348.18	0.47	N/A		
200.00	200.00	82.57	82.57	0.63	0.15	75.07	1,635.68	6,134.31	6,348.64	6,347.87	0.77	8,218.939		
300.00	299.98	185.76	185.76	0.98	0.33	5.47	1,635.58	6,134.27	6,346.84	6,345.53	1.31	4,849.190		
400.00	399.84	288.82	288.82	1.34	0.51	5.48	1,635.40	6,134.19	6,341.51	6,339.66	1.85	3,429.304		
500.00	499.45	391.61	391.61	1.71	0.69	5.51	1,635.13	6,134.08	6,332.67	6,330.28	2.39	2,646.162		
600.00	598.70	494.01	494.01	2.10	0.87	5.55	1,634.79	6,133.95	6,320.32	6,317.38	2.94	2,150.281		
700.00	697.47	595.88	595.88	2.51	1.05	5.59	1,634.37	6,133.78	6,304.49	6,301.00	3.49	1,807.813		
800.00	795.62	644.00	644.00	2.95	1.13	5.64	1,634.15	6,133.68	6,285.40	6,281.46	3.94	1,594.088		
900.00	893.06	716.93	716.92	3.43	1.39	5.71	1,633.48	6,134.08	6,263.40	6,258.82	4.58	1,368.587		
1,000.00	989.64	773.00	772.97	3.95	1.59	5.78	1,632.55	6,135.12	6,238.90	6,233.75	5.15	1,210.302		
1,100.00	1,085.27	773.00	772.97	4.52	1.59	5.84	1,632.55	6,135.12	6,212.03	6,206.49	5.54	1,121.029		
1,200.00	1,179.82	846.13	846.05	5.14	1.84	5.94	1,631.27	6,137.45	6,182.29	6,176.10	6.19	998.934		
1,300.00	1,273.17	901.00	900.86	5.81	2.04	6.05	1,630.57	6,139.94	6,150.34	6,143.56	6.78	907.265		
1,400.00	1,365.21	936.01	935.82	6.54	2.16	6.15	1,630.10	6,141.83	6,115.82	6,108.51	7.31	836.736		
1,500.00	1,455.84	991.70	991.40	7.33	2.36	6.28	1,628.96	6,145.21	6,078.70	6,070.78	7.92	767.628		
1,600.00	1,544.94	1,029.00	1,028.60	8.19	2.49	6.41	1,627.94	6,147.73	6,038.98	6,030.51	8.47	712.821		
1,700.00	1,632.39	1,029.00	1,028.60	9.12	2.49	6.52	1,627.94	6,147.73	5,997.28	5,988.38	8.90	673.489		
1,800.00	1,718.11	1,099.98	1,099.32	10.11	2.75	6.71	1,626.24	6,153.47	5,952.57	5,942.98	9.59	620.552		
1,900.00	1,801.97	1,158.00	1,157.05	11.18	2.97	6.90	1,625.49	6,159.23	5,906.25	5,896.01	10.24	576.693		
1,969.27	1,858.92	1,158.00	1,157.05	11.96	2.97	6.99	1,625.49	6,159.23	5,872.58	5,862.02	10.56	556.144		
2,000.00	1,883.98	1,158.00	1,157.05	12.31	2.97	6.99	1,625.49	6,159.23	5,857.51	5,846.81	10.70	547.344		
2,100.00	1,965.50	1,210.41	1,209.14	13.48	3.16	7.05	1,625.36	6,165.00	5,808.93	5,797.59	11.34	512.348		
2,200.00	2,047.03	1,286.00	1,284.22	14.65	3.45	7.13	1,626.13	6,173.73	5,761.04	5,748.98	12.06	477.742		
2,300.00	2,128.56	1,286.00	1,284.22	15.84	3.45	7.13	1,626.13	6,173.73	5,713.61	5,701.07	12.54	455.715		
2,400.00	2,210.09	1,342.54	1,340.30	17.03	3.66	7.18	1,627.71	6,180.68	5,666.90	5,653.69	13.21	428.926		
2,500.00	2,291.61	1,414.00	1,411.05	18.23	3.94	7.22	1,631.39	6,190.09	5,621.26	5,607.32	13.94	403.372		
2,600.00	2,373.14	1,430.23	1,427.09	19.44	4.00	7.23	1,632.50	6,192.30	5,575.96	5,561.47	14.49	384.844		
2,700.00	2,454.67	1,525.18	1,520.83	20.64	4.37	7.25	1,641.23	6,204.56	5,531.10	5,515.80	15.30	361.583		
2,800.00	2,536.20	1,724.27	1,717.05	21.86	5.15	7.18	1,667.03	6,226.05	5,485.16	5,468.74	16.43	333.892		
2,900.00	2,617.72	1,842.03	1,833.06	23.07	5.62	7.12	1,684.22	6,236.78	5,438.22	5,420.91	17.31	314.120		
3,000.00	2,699.25	1,961.51	1,950.86	24.29	6.10	7.05	1,701.23	6,247.17	5,390.86	5,372.65	18.21	296.048		
3,100.00	2,780.78	2,083.05	2,070.81	25.50	6.60	6.99	1,718.27	6,256.85	5,342.78	5,323.67	19.12	279.499		
3,200.00	2,862.31	2,159.22	2,146.03	26.73	6.91	6.95	1,728.66	6,262.92	5,294.66	5,274.77	19.89	266.236		
3,300.00	2,943.83	2,219.40	2,205.46	27.95	7.16	6.92	1,736.69	6,267.95	5,246.82	5,226.20	20.62	254.511		
3,400.00	3,025.36	2,272.61	2,257.96	29.17	7.39	6.89	1,743.81	6,272.76	5,199.55	5,178.22	21.33	243.796		
3,500.00	3,106.89	2,416.56	2,399.98	30.40	8.00	6.82	1,763.20	6,285.98	5,152.65	5,130.34	22.31	230.966		
3,600.00	3,188.42	2,555.92	2,537.75	31.62	8.58	6.76	1,781.19	6,296.82	5,104.15	5,080.88	23.27	219.344		
3,700.00	3,269.94	2,664.03	2,644.84	32.85	9.02	6.72	1,793.57	6,304.94	5,055.15	5,031.02	24.14	209.439		
3,800.00	3,351.47	2,761.72	2,741.72	34.07	9.42	6.71	1,803.85	6,312.20	5,005.87	4,980.90	24.97	200.454		
3,900.00	3,433.00	2,862.89	2,842.09	35.30	9.83	6.69	1,814.17	6,319.61	4,956.44	4,930.62	25.82	191.992		
4,000.00	3,514.53	2,977.68	2,956.03	36.53	10.30	6.67	1,825.70	6,327.49	4,906.57	4,879.88	26.69	183.832		
4,100.00	3,596.05	3,080.32	3,057.92	37.76	10.71	6.65	1,836.14	6,334.05	4,856.33	4,828.80	27.53	176.384		
4,200.00	3,677.58	3,177.62	3,154.55	38.99	11.10	6.63	1,845.91	6,340.01	4,805.85	4,777.49	28.36	169.455		
4,300.00	3,759.11	3,267.49	3,243.84	40.22	11.46	6.62	1,854.50	6,345.47	4,755.22	4,726.05	29.17	163.013		
4,400.00	3,840.64	3,356.79	3,332.58	41.45	11.81	6.61	1,862.88	6,350.93	4,704.57	4,674.59	29.98	156.925		
4,500.00	3,922.16	3,461.21	3,436.31	42.68	12.23	6.58	1,873.20	6,356.89	4,653.70	4,622.88	30.82	151.000		
4,600.00	4,003.69	3,513.46	3,488.18	43.91	12.44	6.57	1,878.80	6,359.81	4,602.95	4,571.39	31.56	145.856		
4,700.00	4,085.22	3,562.52	3,536.82	45.15	12.64	6.55	1,884.50	6,362.86	4,552.90	4,520.61	32.29	140.981		
4,800.00	4,166.75	3,646.71	3,620.16	46.38	12.99	6.50	1,895.01	6,368.51	4,503.46	4,470.35	33.10	136.040		
4,900.00	4,248.27	3,761.78	3,734.16	47.61	13.47	6.44	1,909.04	6,375.45	4,453.34	4,419.37	33.97	131.089		
5,000.00	4,329.80	3,835.82	3,807.53	48.84	13.77	6.40	1,917.87	6,379.97	4,403.28	4,368.51	34.76	126.666		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 644-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,411.33	3,913.83	3,884.85	50.08	14.09	6.36	1,926.91	6,385.00	4,353.42	4,317.86	35.56	122.419		
5,200.00	4,492.86	3,998.14	3,968.45	51.31	14.44	6.33	1,936.10	6,390.74	4,303.72	4,267.35	36.37	118.324		
5,300.00	4,574.38	4,109.60	4,078.98	52.54	14.90	6.28	1,948.70	6,397.85	4,253.74	4,216.52	37.22	114.277		
5,400.00	4,655.91	4,204.30	4,172.82	53.78	15.29	6.22	1,960.10	6,403.32	4,203.44	4,165.39	38.05	110.477		
5,500.00	4,737.44	4,295.33	4,263.03	55.01	15.66	6.16	1,971.23	6,408.37	4,152.98	4,114.12	38.87	106.855		
5,600.00	4,818.97	4,382.69	4,349.67	56.24	16.02	6.12	1,981.36	6,413.30	4,102.47	4,062.79	39.68	103.393		
5,700.00	4,900.49	4,463.74	4,430.08	57.48	16.35	6.08	1,990.27	6,418.07	4,052.02	4,011.53	40.48	100.093		
5,800.00	4,982.02	4,539.68	4,505.44	58.71	16.66	6.04	1,998.40	6,422.73	4,001.71	3,960.43	41.28	96.932		
5,900.00	5,063.55	4,621.00	4,586.07	59.95	17.00	6.00	2,007.65	6,427.86	3,951.70	3,909.61	42.09	93.885		
6,000.00	5,145.08	4,743.51	4,707.51	61.18	17.50	5.92	2,022.11	6,434.94	3,901.40	3,858.46	42.93	90.873		
6,100.00	5,226.60	4,832.79	4,796.09	62.42	17.86	5.87	2,032.24	6,439.61	3,850.49	3,806.75	43.74	88.028		
6,200.00	5,308.13	4,908.86	4,871.63	63.65	18.17	5.83	2,040.18	6,443.81	3,799.62	3,755.08	44.54	85.301		
6,300.00	5,389.66	4,973.20	4,935.53	64.89	18.43	5.80	2,046.68	6,447.75	3,749.18	3,703.84	45.34	82.687		
6,400.00	5,471.19	5,036.27	4,998.13	66.12	18.69	5.78	2,052.97	6,452.03	3,699.26	3,653.11	46.14	80.168		
6,500.00	5,552.72	5,098.02	5,059.38	67.36	18.94	5.76	2,059.33	6,456.60	3,649.91	3,602.96	46.95	77.742		
6,600.00	5,634.24	5,171.14	5,131.85	68.59	19.25	5.73	2,067.15	6,462.41	3,601.12	3,553.36	47.76	75.396		
6,700.00	5,715.77	5,259.33	5,219.22	69.83	19.61	5.68	2,076.92	6,469.39	3,552.41	3,503.83	48.58	73.121		
6,800.00	5,797.30	5,358.41	5,317.38	71.06	20.03	5.63	2,088.06	6,477.01	3,503.55	3,454.14	49.40	70.918		
6,900.00	5,878.83	5,473.30	5,431.28	72.30	20.50	5.56	2,100.52	6,485.35	3,454.25	3,404.03	50.22	68.789		
7,000.00	5,960.35	5,558.95	5,516.31	73.53	20.85	5.53	2,109.00	6,491.24	3,404.38	3,353.35	51.03	66.715		
7,100.00	6,041.88	5,623.30	5,580.17	74.77	21.12	5.51	2,115.30	6,496.04	3,354.99	3,303.14	51.85	64.706		
7,200.00	6,123.41	5,710.23	5,666.40	76.01	21.47	5.48	2,123.78	6,502.96	3,306.00	3,253.34	52.66	62.774		
7,300.00	6,204.94	5,830.46	5,785.75	77.24	21.96	5.44	2,135.16	6,512.03	3,256.65	3,203.20	53.46	60.923		
7,400.00	6,286.46	5,931.40	5,886.07	78.48	22.37	5.41	2,144.24	6,518.49	3,206.12	3,151.87	54.25	59.097		
7,500.00	6,367.99	5,982.86	5,937.17	79.71	22.58	5.39	2,149.23	6,522.04	3,156.24	3,101.14	55.10	57.284		
7,600.00	6,449.52	6,043.18	5,996.95	80.95	22.83	5.36	2,155.66	6,526.77	3,107.32	3,051.38	55.94	55.549		
7,700.00	6,531.05	6,217.05	6,169.55	82.19	23.53	5.25	2,173.40	6,537.92	3,056.86	3,000.23	56.64	53.975		
7,800.00	6,612.57	6,289.00	6,241.04	83.42	23.82	5.21	2,180.65	6,541.63	3,005.67	2,948.21	57.46	52.307		
7,900.00	6,694.10	6,351.26	6,302.85	84.66	24.08	5.16	2,187.29	6,545.14	2,955.07	2,896.76	58.31	50.677		
8,000.00	6,775.63	6,417.00	6,367.97	85.89	24.35	5.10	2,194.95	6,549.78	2,905.70	2,846.54	59.16	49.117		
8,100.00	6,857.16	6,486.37	6,436.65	87.13	24.64	5.03	2,203.15	6,555.12	2,856.93	2,796.93	60.00	47.612		
8,200.00	6,938.68	6,578.93	6,528.36	88.37	25.03	4.96	2,213.45	6,562.08	2,807.92	2,747.11	60.81	46.176		
8,300.00	7,020.21	6,658.14	6,606.84	89.60	25.36	4.89	2,222.40	6,568.11	2,759.05	2,697.40	61.64	44.760		
8,310.57	7,028.83	6,666.53	6,615.15	89.73	25.40	4.88	2,223.37	6,568.76	2,753.89	2,692.16	61.73	44.613		
8,350.00	7,060.23	6,703.81	6,652.07	90.25	25.55	1.96	2,227.66	6,571.62	2,733.57	2,671.53	62.04	44.062		
8,400.00	7,097.77	6,750.78	6,698.60	90.98	25.75	-1.49	2,233.00	6,575.16	2,704.66	2,642.25	62.41	43.337		
8,450.00	7,132.48	6,794.56	6,741.98	91.79	25.93	-4.87	2,237.90	6,578.37	2,672.46	2,609.70	62.76	42.584		
8,500.00	7,164.10	6,895.69	6,842.40	92.67	26.34	-8.80	2,248.04	6,584.79	2,636.92	2,574.04	62.88	41.933		
8,550.00	7,192.40	6,960.18	6,906.60	93.63	26.59	-13.18	2,253.27	6,587.86	2,598.03	2,534.98	63.05	41.207		
8,600.00	7,217.15	7,000.31	6,946.59	94.64	26.74	-18.29	2,256.16	6,589.55	2,556.70	2,493.46	63.24	40.431		
8,650.00	7,238.16	7,034.46	6,980.64	95.70	26.87	-24.70	2,258.43	6,590.88	2,513.37	2,449.98	63.39	39.650		
8,700.00	7,255.29	7,062.47	7,008.58	96.80	26.98	-32.96	2,260.16	6,591.90	2,468.42	2,404.91	63.51	38.868		
8,750.00	7,268.39	7,084.25	7,030.31	97.92	27.06	-43.67	2,261.43	6,592.64	2,422.27	2,358.67	63.60	38.089		
8,800.00	7,277.37	7,095.87	7,041.91	99.06	27.09	-56.79	2,262.05	6,593.04	2,375.34	2,311.66	63.67	37.304		
8,850.00	7,282.15	7,104.38	7,050.40	100.20	27.12	-71.86	2,262.50	6,593.33	2,328.00	2,264.27	63.72	36.533		
8,881.61	7,283.00	7,106.87	7,052.88	100.91	27.13	-81.44	2,262.63	6,593.41	2,298.04	2,234.29	63.75	36.049		
8,900.00	7,283.00	7,107.66	7,053.68	101.33	27.14	-81.50	2,262.67	6,593.44	2,280.64	2,216.87	63.76	35.767		
9,000.00	7,283.00	7,111.96	7,057.97	103.59	27.15	-81.84	2,262.89	6,593.58	2,186.28	2,122.36	63.93	34.201		
9,100.00	7,283.00	7,116.21	7,062.21	105.87	27.17	-82.16	2,263.10	6,593.72	2,092.45	2,028.20	64.25	32.569		
9,200.00	7,283.00	7,120.41	7,066.40	108.18	27.18	-82.49	2,263.31	6,593.86	1,999.21	1,934.44	64.77	30.868		
9,300.00	7,283.00	7,124.57	7,070.55	110.50	27.20	-82.81	2,263.51	6,593.99	1,906.64	1,841.11	65.53	29.096		
9,400.00	7,283.00	7,128.68	7,074.65	112.84	27.21	-83.13	2,263.70	6,594.13	1,814.86	1,748.27	66.59	27.254		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 644-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,500.00	7,283.00	7,132.74	7,078.71	115.19	27.23	-83.44	2,263.89	6,594.26	1,723.98	1,655.97	68.01	25.348		
9,600.00	7,283.00	7,136.75	7,082.72	117.56	27.24	-83.75	2,264.08	6,594.38	1,634.17	1,564.30	69.86	23.391		
9,700.00	7,283.00	7,140.73	7,086.68	119.95	27.25	-84.06	2,264.26	6,594.51	1,545.59	1,473.37	72.22	21.401		
9,800.00	7,283.00	7,144.66	7,090.60	122.34	27.27	-84.36	2,264.44	6,594.63	1,458.48	1,383.32	75.17	19.403		
9,900.00	7,283.00	7,148.54	7,094.48	124.76	27.28	-84.67	2,264.61	6,594.76	1,373.13	1,294.33	78.79	17.427		
10,000.00	7,283.00	7,152.38	7,098.32	127.18	27.30	-84.96	2,264.77	6,594.88	1,289.87	1,206.67	83.19	15.505		
10,100.00	7,283.00	7,156.19	7,102.12	129.61	27.31	-85.26	2,264.94	6,594.99	1,209.14	1,120.67	88.46	13.668		
10,200.00	7,283.00	7,159.95	7,105.87	132.06	27.32	-85.55	2,265.09	6,595.11	1,131.48	1,036.78	94.70	11.948		
10,300.00	7,283.00	7,163.67	7,109.59	134.52	27.34	-85.84	2,265.25	6,595.23	1,057.57	955.59	101.98	10.370		
10,400.00	7,283.00	7,167.35	7,113.27	136.98	27.35	-86.13	2,265.40	6,595.34	988.25	877.89	110.36	8.955		
10,500.00	7,283.00	7,170.99	7,116.90	139.46	27.36	-86.41	2,265.54	6,595.45	924.55	804.74	119.81	7.717		
10,600.00	7,283.00	7,174.59	7,120.50	141.94	27.38	-86.69	2,265.68	6,595.56	867.72	737.51	130.21	6.664		
10,700.00	7,283.00	7,178.16	7,124.06	144.44	27.39	-86.97	2,265.82	6,595.66	819.18	677.93	141.25	5.799		
10,800.00	7,283.00	7,181.69	7,127.59	146.94	27.40	-87.24	2,265.95	6,595.77	780.48	628.05	152.43	5.120		
10,900.00	7,283.00	7,185.18	7,131.07	149.45	27.41	-87.51	2,266.08	6,595.87	753.14	590.14	163.01	4.620		
11,000.00	7,283.00	7,188.63	7,134.53	151.96	27.43	-87.78	2,266.21	6,595.98	738.43	566.29	172.14	4.290		
11,059.84	7,283.00	7,190.68	7,136.57	153.47	27.43	-87.94	2,266.29	6,596.04	736.01	559.42	176.59	4.168	CC	
11,100.00	7,283.00	7,192.05	7,137.94	154.49	27.44	-88.05	2,266.33	6,596.08	737.10	558.03	179.07	4.116	ES	
11,200.00	7,283.00	7,195.44	7,141.32	157.01	27.45	-88.31	2,266.45	6,596.18	749.22	565.86	183.36	4.086	SF	
11,300.00	7,283.00	7,197.84	7,143.73	159.55	27.46	-88.50	2,266.54	6,596.25	774.17	589.18	184.99	4.185		
11,400.00	7,283.00	7,200.91	7,146.79	162.09	27.47	-88.74	2,266.65	6,596.34	810.75	626.40	184.35	4.398		
11,500.00	7,283.00	7,203.96	7,149.84	164.64	27.48	-88.98	2,266.76	6,596.43	857.49	675.49	182.00	4.712		
11,600.00	7,283.00	7,206.99	7,152.86	167.19	27.49	-89.21	2,266.87	6,596.51	912.81	734.29	178.52	5.113		
11,700.00	7,283.00	7,209.99	7,155.86	169.75	27.50	-89.44	2,266.97	6,596.60	975.27	800.86	174.41	5.592		
11,800.00	7,283.00	7,212.97	7,158.84	172.31	27.51	-89.68	2,267.08	6,596.69	1,043.58	873.54	170.04	6.137		
11,900.00	7,283.00	7,215.93	7,161.79	174.88	27.52	-89.91	2,267.18	6,596.77	1,116.67	951.01	165.66	6.741		
12,000.00	7,283.00	7,218.87	7,164.73	177.45	27.53	-90.13	2,267.28	6,596.86	1,193.67	1,032.25	161.42	7.395		
12,100.00	7,283.00	7,221.78	7,167.64	180.03	27.54	-90.36	2,267.38	6,596.94	1,273.85	1,116.45	157.40	8.093		
12,200.00	7,283.00	7,224.68	7,170.53	182.61	27.55	-90.59	2,267.48	6,597.02	1,356.67	1,203.03	153.64	8.830		
12,300.00	7,283.00	7,227.55	7,173.41	185.19	27.56	-90.81	2,267.57	6,597.10	1,441.66	1,291.50	150.16	9.601		
12,400.00	7,283.00	7,230.41	7,176.26	187.78	27.57	-91.03	2,267.67	6,597.18	1,528.46	1,381.51	146.94	10.402		
12,500.00	7,283.00	7,233.24	7,179.09	190.37	27.58	-91.25	2,267.76	6,597.26	1,616.78	1,472.79	143.99	11.228		
12,600.00	7,283.00	7,236.05	7,181.90	192.97	27.59	-91.47	2,267.85	6,597.34	1,706.39	1,565.11	141.28	12.078		
12,700.00	7,283.00	7,238.85	7,184.69	195.57	27.60	-91.69	2,267.95	6,597.42	1,797.09	1,658.30	138.78	12.949		
12,800.00	7,283.00	7,241.62	7,187.46	198.17	27.61	-91.90	2,268.04	6,597.49	1,888.72	1,752.23	136.49	13.837		
12,900.00	7,283.00	7,244.38	7,190.21	200.77	27.62	-92.11	2,268.12	6,597.57	1,981.16	1,846.77	134.39	14.742		
13,000.00	7,283.00	7,247.11	7,192.95	203.38	27.63	-92.33	2,268.21	6,597.65	2,074.30	1,941.85	132.45	15.661		
13,100.00	7,283.00	7,249.83	7,195.66	205.99	27.64	-92.54	2,268.30	6,597.72	2,168.05	2,037.39	130.66	16.593		
13,200.00	7,283.00	7,252.53	7,198.36	208.61	27.65	-92.74	2,268.38	6,597.79	2,262.32	2,133.32	129.01	17.536		
13,300.00	7,283.00	7,255.20	7,201.03	211.22	27.66	-92.95	2,268.47	6,597.87	2,357.07	2,229.59	127.48	18.490		
13,400.00	7,283.00	7,257.86	7,203.69	213.84	27.67	-93.16	2,268.55	6,597.94	2,452.23	2,326.17	126.06	19.453		
13,500.00	7,283.00	7,260.51	7,206.33	216.47	27.67	-93.36	2,268.63	6,598.01	2,547.76	2,423.02	124.74	20.424		
13,600.00	7,283.00	7,263.13	7,208.95	219.09	27.68	-93.56	2,268.71	6,598.08	2,643.62	2,520.10	123.52	21.403		
13,700.00	7,283.00	7,265.74	7,211.56	221.72	27.69	-93.76	2,268.79	6,598.15	2,739.77	2,617.39	122.38	22.388		
13,800.00	7,283.00	7,268.32	7,214.14	224.34	27.70	-93.96	2,268.87	6,598.22	2,836.18	2,714.87	121.31	23.379		
13,900.00	7,283.00	7,270.90	7,216.71	226.97	27.71	-94.16	2,268.95	6,598.29	2,932.84	2,812.52	120.32	24.375		
14,000.00	7,283.00	7,273.45	7,219.26	229.61	27.72	-94.36	2,269.03	6,598.36	3,029.70	2,910.31	119.39	25.377		
14,100.00	7,283.00	7,275.99	7,221.80	232.24	27.73	-94.55	2,269.10	6,598.43	3,126.77	3,008.25	118.52	26.383		
14,200.00	7,283.00	7,278.50	7,224.31	234.88	27.74	-94.75	2,269.18	6,598.49	3,224.01	3,106.31	117.70	27.392		
14,300.00	7,283.00	7,281.01	7,226.81	237.52	27.75	-94.94	2,269.25	6,598.56	3,321.41	3,204.48	116.93	28.406		
14,400.00	7,283.00	7,283.49	7,229.30	240.16	27.75	-95.13	2,269.32	6,598.62	3,418.96	3,302.75	116.20	29.422		
14,500.00	7,283.00	7,285.96	7,231.76	242.80	27.76	-95.32	2,269.39	6,598.69	3,516.64	3,401.12	115.52	30.441		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 2-T4N-R68W - EXIST DD AVEX 21-2D - Wellbore #1 - Wellbore #1													Offset Site Error:	0.00 usft
Survey Program: 644-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,600.00	7,283.00	7,288.41	7,234.22	245.44	27.77	-95.51	2,269.47	6,598.75	3,614.45	3,499.57	114.88	31.463		
14,700.00	7,283.00	7,290.85	7,236.65	248.09	27.78	-95.69	2,269.54	6,598.82	3,712.38	3,598.11	114.27	32.487		
14,800.00	7,283.00	7,293.27	7,239.07	250.74	27.79	-95.88	2,269.60	6,598.88	3,810.41	3,696.71	113.70	33.513		
14,900.00	7,283.00	7,295.68	7,241.47	253.38	27.80	-96.06	2,269.67	6,598.94	3,908.54	3,795.38	113.16	34.541		
15,000.00	7,283.00	7,298.06	7,243.86	256.03	27.80	-96.24	2,269.74	6,599.00	4,006.76	3,894.12	112.64	35.570		
15,100.00	7,283.00	7,300.44	7,246.23	258.69	27.81	-96.43	2,269.81	6,599.06	4,105.06	3,992.91	112.16	36.601		
15,200.00	7,283.00	7,302.80	7,248.59	261.34	27.82	-96.61	2,269.87	6,599.12	4,203.45	4,091.75	111.70	37.633		
15,300.00	7,283.00	7,305.14	7,250.93	263.99	27.83	-96.78	2,269.94	6,599.18	4,301.90	4,190.65	111.26	38.666		
15,400.00	7,283.00	7,307.47	7,253.25	266.65	27.84	-96.96	2,270.00	6,599.24	4,400.43	4,289.59	110.84	39.699		
15,500.00	7,283.00	7,315.00	7,260.78	269.31	27.86	-97.53	2,270.20	6,599.43	4,499.02	4,388.52	110.50	40.715		
15,600.00	7,283.00	7,315.00	7,260.78	271.96	27.86	-97.53	2,270.20	6,599.43	4,597.67	4,487.57	110.10	41.758		
15,700.00	7,283.00	7,315.00	7,260.78	274.62	27.86	-97.53	2,270.20	6,599.43	4,696.37	4,586.65	109.72	42.802		
15,800.00	7,283.00	7,315.00	7,260.78	277.28	27.86	-97.53	2,270.20	6,599.43	4,795.13	4,685.77	109.36	43.847		
15,900.00	7,283.00	7,315.00	7,260.78	279.94	27.86	-97.53	2,270.20	6,599.43	4,893.94	4,784.92	109.01	44.893		
16,000.00	7,283.00	7,315.00	7,260.78	282.61	27.86	-97.53	2,270.20	6,599.43	4,992.79	4,884.11	108.68	45.938		
16,100.00	7,283.00	7,315.00	7,260.78	285.27	27.86	-97.53	2,270.20	6,599.43	5,091.69	4,983.32	108.37	46.985		
16,200.00	7,283.00	7,315.00	7,260.78	287.94	27.86	-97.53	2,270.20	6,599.43	5,190.63	5,082.56	108.07	48.032		
16,300.00	7,283.00	7,315.00	7,260.78	290.60	27.86	-97.53	2,270.20	6,599.43	5,289.61	5,181.84	107.78	49.078		
16,400.00	7,283.00	7,328.50	7,274.27	293.27	27.91	-98.55	2,270.56	6,599.77	5,388.61	5,280.98	107.63	50.065		
16,500.00	7,283.00	7,330.44	7,276.21	295.94	27.91	-98.70	2,270.61	6,599.81	5,487.66	5,380.27	107.39	51.102		
16,600.00	7,283.00	7,332.36	7,278.13	298.60	27.92	-98.84	2,270.65	6,599.86	5,586.74	5,479.59	107.15	52.139		
16,700.00	7,283.00	7,334.26	7,280.03	301.27	27.93	-98.99	2,270.70	6,599.91	5,685.86	5,578.93	106.93	53.175		
16,800.00	7,283.00	7,336.15	7,281.92	303.94	27.93	-99.13	2,270.75	6,599.95	5,785.00	5,678.29	106.71	54.211		
16,900.00	7,283.00	7,338.02	7,283.79	306.62	27.94	-99.27	2,270.80	6,600.00	5,884.17	5,777.66	106.51	55.247		
17,000.00	7,283.00	7,339.87	7,285.64	309.29	27.95	-99.41	2,270.84	6,600.04	5,983.37	5,877.06	106.31	56.282		
17,100.00	7,283.00	7,341.71	7,287.47	311.96	27.95	-99.55	2,270.89	6,600.08	6,082.59	5,976.47	106.12	57.317		
17,200.00	7,283.00	7,343.53	7,289.29	314.63	27.96	-99.68	2,270.93	6,600.13	6,181.84	6,075.90	105.94	58.351		
17,300.00	7,283.00	7,345.33	7,291.09	317.31	27.97	-99.82	2,270.98	6,600.17	6,281.11	6,175.34	105.77	59.384		
17,400.00	7,283.00	7,347.12	7,292.88	319.98	27.97	-99.95	2,271.02	6,600.21	6,380.40	6,274.80	105.61	60.417		
17,500.00	7,283.00	7,348.89	7,294.65	322.66	27.98	-100.08	2,271.06	6,600.25	6,479.72	6,374.27	105.45	61.449		
17,600.00	7,283.00	7,350.65	7,296.41	325.34	27.98	-100.21	2,271.10	6,600.29	6,579.05	6,473.75	105.30	62.480		
17,700.00	7,283.00	7,352.39	7,298.15	328.01	27.99	-100.34	2,271.15	6,600.33	6,678.41	6,573.25	105.15	63.510		
17,800.00	7,283.00	7,354.11	7,299.87	330.69	27.99	-100.47	2,271.19	6,600.37	6,777.78	6,672.76	105.02	64.540		
17,900.00	7,283.00	7,355.82	7,301.58	333.37	28.00	-100.60	2,271.23	6,600.41	6,877.17	6,772.28	104.89	65.568		
18,000.00	7,283.00	7,357.52	7,303.28	336.05	28.01	-100.73	2,271.27	6,600.45	6,976.57	6,871.81	104.76	66.596		
18,100.00	7,283.00	7,359.20	7,304.96	338.73	28.01	-100.85	2,271.31	6,600.49	7,076.00	6,971.36	104.64	67.623		
18,200.00	7,283.00	7,360.87	7,306.62	341.41	28.02	-100.98	2,271.35	6,600.53	7,175.43	7,070.91	104.52	68.649		
18,300.00	7,283.00	7,362.52	7,308.28	344.09	28.02	-101.10	2,271.38	6,600.56	7,274.89	7,170.47	104.41	69.674		
18,400.00	7,283.00	7,364.16	7,309.91	346.77	28.03	-101.22	2,271.42	6,600.60	7,374.35	7,270.05	104.31	70.697		
18,500.00	7,283.00	7,365.79	7,311.54	349.46	28.03	-101.34	2,271.46	6,600.63	7,473.84	7,369.63	104.21	71.720		
18,600.00	7,283.00	7,367.40	7,313.15	352.14	28.04	-101.46	2,271.50	6,600.67	7,573.33	7,469.22	104.11	72.742		
18,700.00	7,283.00	7,369.00	7,314.75	354.82	28.04	-101.58	2,271.53	6,600.71	7,672.84	7,568.82	104.02	73.762		
18,800.00	7,283.00	7,370.58	7,316.33	357.51	28.05	-101.69	2,271.57	6,600.74	7,772.36	7,668.42	103.93	74.782		
18,900.00	7,283.00	7,372.15	7,317.90	360.19	28.06	-101.81	2,271.60	6,600.78	7,871.89	7,768.04	103.85	75.800		
19,000.00	7,283.00	7,373.71	7,319.46	362.88	28.06	-101.92	2,271.64	6,600.81	7,971.43	7,867.66	103.77	76.818		
19,100.00	7,283.00	7,375.26	7,321.01	365.56	28.07	-102.04	2,271.67	6,600.84	8,070.98	7,967.29	103.70	77.834		
19,200.00	7,283.00	7,376.79	7,322.54	368.25	28.07	-102.15	2,271.71	6,600.88	8,170.55	8,066.92	103.62	78.848		
19,247.68	7,283.00	7,377.52	7,323.27	369.53	28.07	-102.20	2,271.72	6,600.89	8,218.02	8,114.43	103.59	79.332		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 128-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	0.00	0.00	0.27	0.00	75.59	1,575.97	6,133.50	6,332.76	6,332.49	0.27	N/A		
120.00	120.00	0.00	0.00	0.34	0.00	75.59	1,575.97	6,133.50	6,332.73	6,332.39	0.34	N/A		
200.00	200.00	76.56	76.56	0.63	0.12	75.59	1,576.09	6,133.49	6,332.75	6,332.00	0.75	8,437.145		
300.00	299.98	210.80	210.80	0.98	0.50	5.98	1,576.49	6,133.26	6,330.96	6,329.48	1.48	4,278.788		
400.00	399.84	377.37	377.36	1.34	1.09	6.00	1,576.71	6,131.35	6,324.64	6,322.21	2.43	2,600.568		
500.00	499.45	466.13	466.11	1.71	1.41	6.02	1,576.90	6,129.96	6,314.52	6,311.41	3.11	2,028.791		
600.00	598.70	557.74	557.71	2.10	1.74	6.06	1,576.97	6,128.71	6,301.11	6,297.30	3.81	1,655.648		
700.00	697.47	649.43	649.39	2.51	2.06	6.10	1,577.06	6,127.55	6,284.37	6,279.87	4.50	1,395.827		
800.00	795.62	786.98	786.92	2.95	2.56	6.17	1,577.30	6,125.42	6,263.96	6,258.59	5.37	1,167.117		
900.00	893.06	844.63	844.57	3.43	2.76	6.23	1,576.89	6,124.72	6,240.24	6,234.30	5.94	1,050.245		
1,000.00	989.64	900.00	899.93	3.95	2.95	6.32	1,576.05	6,124.40	6,213.65	6,207.13	6.51	953.850		
1,100.00	1,085.27	961.80	961.71	4.52	3.16	6.42	1,574.65	6,124.55	6,184.30	6,177.19	7.11	869.899		
1,200.00	1,179.82	1,028.00	1,027.88	5.14	3.39	6.54	1,572.66	6,125.38	6,152.33	6,144.60	7.72	796.468		
1,300.00	1,273.17	1,066.68	1,066.53	5.81	3.52	6.65	1,571.23	6,126.20	6,117.68	6,109.42	8.25	741.231		
1,400.00	1,365.21	1,117.28	1,117.05	6.54	3.69	6.80	1,569.05	6,127.67	6,080.46	6,071.64	8.83	688.672		
1,500.00	1,455.84	1,157.00	1,156.70	7.33	3.83	6.94	1,567.08	6,129.14	6,040.71	6,031.34	9.38	644.306		
1,600.00	1,544.94	1,234.24	1,233.74	8.19	4.10	7.16	1,562.77	6,132.53	5,998.24	5,988.18	10.06	596.301		
1,700.00	1,632.39	1,285.00	1,284.34	9.12	4.27	7.36	1,559.66	6,135.05	5,953.09	5,942.43	10.66	558.494		
1,800.00	1,718.11	1,366.70	1,365.72	10.11	4.56	7.63	1,553.92	6,139.60	5,905.18	5,893.80	11.38	519.081		
1,900.00	1,801.97	1,413.00	1,411.77	11.18	4.73	7.88	1,550.15	6,142.44	5,854.62	5,842.64	11.98	488.727		
1,969.27	1,858.92	1,471.06	1,469.48	11.96	4.94	8.12	1,545.07	6,146.28	5,818.02	5,805.52	12.50	465.597		
2,000.00	1,883.98	1,488.70	1,487.01	12.31	5.01	8.15	1,543.47	6,147.52	5,801.55	5,788.85	12.70	456.909		
2,100.00	1,965.50	1,542.00	1,539.93	13.48	5.20	8.27	1,538.50	6,151.42	5,748.22	5,734.89	13.33	431.114		
2,200.00	2,047.03	1,604.01	1,601.46	14.65	5.44	8.42	1,532.52	6,156.30	5,695.31	5,681.30	14.01	406.401		
2,300.00	2,128.56	1,670.00	1,666.89	15.84	5.69	8.57	1,526.02	6,161.85	5,642.83	5,628.11	14.72	383.429		
2,400.00	2,210.09	1,729.60	1,725.96	17.03	5.92	8.72	1,520.05	6,167.10	5,590.70	5,575.29	15.41	362.812		
2,500.00	2,291.61	1,798.00	1,793.72	18.23	6.18	8.89	1,513.13	6,173.32	5,538.85	5,522.71	16.14	343.159		
2,600.00	2,373.14	1,878.91	1,873.84	19.44	6.50	9.09	1,504.77	6,180.85	5,487.19	5,470.26	16.93	324.171		
2,700.00	2,454.67	1,956.88	1,951.02	20.64	6.82	9.30	1,496.45	6,188.22	5,435.66	5,417.95	17.71	306.906		
2,800.00	2,536.20	2,032.03	2,025.35	21.86	7.12	9.51	1,488.12	6,195.50	5,384.31	5,365.81	18.50	291.122		
2,900.00	2,617.72	2,119.39	2,111.73	23.07	7.48	9.75	1,478.26	6,204.06	5,333.09	5,313.76	19.33	275.901		
3,000.00	2,699.25	2,212.23	2,203.60	24.29	7.86	10.01	1,468.25	6,212.93	5,281.82	5,261.63	20.19	261.616		
3,100.00	2,780.78	2,305.79	2,296.22	25.50	8.24	10.28	1,458.29	6,221.66	5,230.47	5,209.41	21.06	248.408		
3,200.00	2,862.31	2,381.88	2,371.54	26.73	8.56	10.50	1,450.19	6,228.74	5,179.15	5,157.28	21.87	236.820		
3,300.00	2,943.83	2,466.01	2,454.82	27.95	8.91	10.75	1,441.27	6,236.68	5,128.04	5,105.32	22.72	225.744		
3,400.00	3,025.36	2,578.19	2,565.96	29.17	9.37	11.08	1,429.85	6,246.78	5,076.70	5,053.04	23.66	214.568		
3,500.00	3,106.89	2,659.29	2,646.34	30.40	9.71	11.32	1,421.72	6,253.87	5,025.25	5,000.74	24.50	205.071		
3,600.00	3,188.42	2,748.87	2,735.10	31.62	10.08	11.60	1,412.49	6,261.71	4,973.84	4,948.45	25.39	195.927		
3,700.00	3,269.94	2,840.71	2,825.99	32.85	10.47	11.90	1,402.09	6,269.74	4,922.35	4,896.06	26.28	187.270		
3,800.00	3,351.47	2,923.74	2,908.13	34.07	10.82	12.18	1,392.37	6,276.99	4,870.89	4,843.73	27.16	179.309		
3,900.00	3,433.00	3,013.21	2,996.67	35.30	11.20	12.49	1,382.02	6,284.74	4,819.50	4,791.43	28.07	171.691		
4,000.00	3,514.53	3,101.35	3,083.96	36.53	11.57	12.80	1,372.37	6,292.13	4,768.04	4,739.07	28.98	164.550		
4,100.00	3,596.05	3,174.42	3,156.36	37.76	11.88	13.05	1,364.60	6,298.29	4,716.76	4,686.92	29.84	158.074		
4,200.00	3,677.58	3,258.26	3,239.42	38.99	12.23	13.35	1,355.74	6,305.48	4,665.70	4,634.96	30.74	151.766		
4,300.00	3,759.11	3,349.25	3,329.53	40.22	12.62	13.68	1,345.79	6,313.18	4,614.61	4,582.93	31.68	145.674		
4,400.00	3,840.64	3,425.41	3,404.91	41.45	12.94	13.97	1,337.04	6,319.69	4,563.63	4,531.05	32.58	140.075		
4,500.00	3,922.16	3,497.34	3,476.04	42.68	13.25	14.25	1,328.39	6,326.01	4,512.91	4,479.43	33.48	134.791		
4,600.00	4,003.69	3,564.39	3,542.29	43.91	13.54	14.53	1,320.11	6,332.16	4,462.58	4,428.20	34.38	129.807		
4,700.00	4,085.22	3,633.00	3,610.03	45.15	13.85	14.82	1,311.42	6,338.72	4,412.67	4,377.38	35.29	125.025		
4,800.00	4,166.75	3,702.82	3,678.89	46.38	14.16	15.12	1,302.22	6,345.65	4,363.16	4,326.93	36.23	120.438		
4,900.00	4,248.27	3,774.46	3,749.49	47.61	14.48	15.44	1,292.54	6,353.00	4,314.04	4,276.86	37.18	116.032		
5,000.00	4,329.80	3,852.00	3,825.92	48.84	14.82	15.80	1,282.27	6,361.13	4,265.29	4,227.13	38.16	111.767		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 128-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,411.33	3,944.61	3,917.26	50.08	15.24	16.22	1,270.43	6,370.77	4,216.67	4,177.47	39.20	107.568		
5,200.00	4,492.86	4,031.61	4,003.17	51.31	15.62	16.62	1,259.84	6,379.54	4,167.99	4,127.76	40.23	103.614		
5,300.00	4,574.38	4,108.00	4,078.64	52.54	15.96	16.97	1,250.89	6,387.24	4,119.50	4,078.27	41.23	99.922		
5,400.00	4,655.91	4,186.48	4,156.22	53.78	16.30	17.33	1,242.17	6,395.24	4,071.29	4,029.05	42.24	96.385		
5,500.00	4,737.44	4,271.26	4,240.08	55.01	16.67	17.72	1,233.32	6,403.98	4,023.40	3,980.12	43.28	92.963		
5,600.00	4,818.97	4,375.34	4,343.07	56.24	17.12	18.21	1,222.40	6,414.38	3,975.38	3,930.99	44.39	89.563		
5,700.00	4,900.49	4,459.21	4,426.05	57.48	17.48	18.62	1,213.40	6,422.58	3,927.33	3,881.88	45.45	86.408		
5,800.00	4,982.02	4,531.37	4,497.43	58.71	17.80	18.98	1,205.58	6,429.66	3,879.50	3,833.00	46.50	83.436		
5,900.00	5,063.55	4,594.70	4,560.05	59.95	18.07	19.30	1,198.78	6,436.20	3,832.26	3,784.73	47.53	80.627		
6,000.00	5,145.08	4,703.15	4,667.30	61.18	18.54	19.86	1,187.26	6,447.52	3,785.36	3,736.65	48.71	77.711		
6,100.00	5,226.60	4,825.12	4,788.03	62.42	19.07	20.52	1,174.24	6,458.97	3,737.70	3,687.76	49.94	74.839		
6,200.00	5,308.13	4,930.76	4,892.65	63.65	19.52	21.10	1,162.87	6,468.05	3,689.58	3,638.43	51.14	72.140		
6,300.00	5,389.66	5,029.79	4,990.77	64.89	19.95	21.66	1,152.09	6,476.09	3,641.28	3,588.93	52.35	69.563		
6,400.00	5,471.19	5,130.62	5,090.76	66.12	20.37	22.24	1,141.65	6,483.80	3,592.80	3,539.24	53.56	67.078		
6,500.00	5,552.72	5,206.42	5,165.97	67.36	20.69	22.69	1,134.10	6,489.46	3,544.41	3,489.68	54.73	64.763		
6,600.00	5,634.24	5,283.41	5,242.35	68.59	21.01	23.15	1,126.38	6,495.39	3,496.42	3,440.50	55.92	62.526		
6,700.00	5,715.77	5,366.05	5,324.34	69.83	21.36	23.65	1,118.25	6,501.81	3,448.73	3,391.58	57.14	60.353		
6,800.00	5,797.30	5,461.68	5,419.21	71.06	21.76	24.25	1,108.78	6,509.11	3,401.17	3,342.74	58.42	58.215		
6,900.00	5,878.83	5,545.95	5,502.77	72.30	22.11	24.81	1,099.71	6,515.21	3,353.54	3,293.83	59.71	56.164		
7,000.00	5,960.35	5,610.23	5,566.47	73.53	22.39	25.25	1,092.65	6,520.10	3,306.51	3,245.54	60.97	54.231		
7,100.00	6,041.88	5,672.34	5,627.99	74.77	22.65	25.68	1,085.81	6,525.17	3,260.24	3,197.99	62.25	52.374		
7,200.00	6,123.41	5,731.54	5,686.61	76.01	22.91	26.10	1,079.33	6,530.43	3,214.87	3,151.33	63.54	50.596		
7,300.00	6,204.94	5,792.61	5,747.03	77.24	23.17	26.53	1,072.70	6,536.32	3,170.43	3,105.57	64.86	48.881		
7,400.00	6,286.46	5,857.67	5,811.36	78.48	23.46	27.00	1,065.65	6,543.01	3,126.85	3,060.63	66.22	47.222		
7,500.00	6,367.99	5,943.47	5,896.14	79.71	23.84	27.64	1,056.32	6,552.25	3,084.04	3,016.37	67.67	45.575		
7,600.00	6,449.52	6,066.35	6,017.69	80.95	24.37	28.58	1,042.89	6,564.29	3,040.72	2,971.44	69.28	43.889		
7,700.00	6,531.05	6,166.81	6,117.12	82.19	24.81	29.39	1,031.64	6,573.26	2,997.11	2,926.26	70.86	42.299		
7,800.00	6,612.57	6,228.97	6,178.63	83.42	25.08	29.90	1,024.63	6,578.88	2,953.99	2,881.66	72.34	40.837		
7,900.00	6,694.10	6,298.39	6,247.28	84.66	25.39	30.47	1,016.85	6,585.60	2,911.80	2,837.93	73.87	39.418		
8,000.00	6,775.63	6,409.97	6,357.73	85.89	25.87	31.42	1,004.95	6,596.12	2,869.78	2,794.20	75.58	37.970		
8,100.00	6,857.16	6,480.21	6,427.28	87.13	26.17	32.03	997.57	6,602.55	2,827.94	2,750.76	77.18	36.641		
8,200.00	6,938.68	6,548.94	6,495.26	88.37	26.47	32.64	989.87	6,609.15	2,787.03	2,708.21	78.82	35.361		
8,300.00	7,020.21	6,634.86	6,580.15	89.60	26.86	33.44	979.61	6,617.47	2,746.79	2,666.21	80.58	34.089		
8,310.57	7,028.83	6,643.90	6,589.08	89.73	26.90	33.53	978.49	6,618.33	2,742.56	2,661.79	80.76	33.957		
8,350.00	7,060.23	6,678.84	6,623.59	90.25	27.05	32.13	974.10	6,621.64	2,725.62	2,644.13	81.48	33.449		
8,400.00	7,097.77	6,737.81	6,681.84	90.98	27.31	31.22	966.69	6,626.97	2,700.68	2,618.20	82.48	32.742		
8,450.00	7,132.48	6,792.54	6,735.96	91.79	27.55	30.98	959.90	6,631.53	2,672.00	2,588.52	83.48	32.008		
8,500.00	7,164.10	6,841.90	6,784.81	92.67	27.77	31.37	953.85	6,635.33	2,639.85	2,555.39	84.46	31.255		
8,550.00	7,192.40	6,886.14	6,828.60	93.63	27.96	32.38	948.48	6,638.49	2,604.53	2,519.11	85.42	30.490		
8,600.00	7,217.15	6,925.06	6,867.15	94.64	28.13	34.10	943.79	6,641.07	2,566.36	2,480.00	86.36	29.716		
8,650.00	7,238.16	6,950.17	6,892.03	95.70	28.23	36.47	940.79	6,642.67	2,525.70	2,438.47	87.24	28.952		
8,700.00	7,255.29	6,970.10	6,911.78	96.80	28.32	39.87	938.43	6,643.94	2,482.93	2,394.85	88.08	28.191		
8,750.00	7,268.39	6,986.16	6,927.70	97.92	28.39	44.74	936.54	6,644.96	2,438.35	2,349.48	88.88	27.436		
8,800.00	7,277.37	6,998.23	6,939.65	99.06	28.44	51.75	935.13	6,645.73	2,392.30	2,302.67	89.63	26.691		
8,850.00	7,282.15	7,006.20	6,947.55	100.20	28.47	61.87	934.20	6,646.23	2,345.10	2,254.77	90.33	25.960		
8,881.61	7,283.00	7,009.09	6,950.42	100.91	28.48	70.40	933.86	6,646.42	2,314.83	2,224.09	90.75	25.508		
8,900.00	7,283.00	7,010.29	6,951.61	101.33	28.49	70.50	933.72	6,646.49	2,297.15	2,206.16	90.98	25.248		
9,000.00	7,283.00	7,016.80	6,958.07	103.59	28.52	71.08	932.97	6,646.91	2,201.19	2,108.86	92.33	23.840		
9,100.00	7,283.00	7,023.32	6,964.53	105.87	28.54	71.66	932.21	6,647.32	2,105.58	2,011.78	93.81	22.446		
9,200.00	7,283.00	7,029.84	6,970.99	108.18	28.57	72.24	931.46	6,647.74	2,010.39	1,914.97	95.42	21.068		
9,300.00	7,283.00	7,036.36	6,977.45	110.50	28.60	72.82	930.71	6,648.15	1,915.66	1,818.46	97.20	19.708		
9,400.00	7,283.00	7,042.89	6,983.92	112.84	28.63	73.40	929.96	6,648.57	1,821.47	1,722.31	99.17	18.368		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 128-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,500.00	7,283.00	7,049.41	6,990.39	115.19	28.65	73.99	929.21	6,648.99	1,727.92	1,626.57	101.35	17.050		
9,600.00	7,283.00	7,055.94	6,996.86	117.56	28.68	74.58	928.47	6,649.40	1,635.10	1,531.33	103.77	15.757		
9,700.00	7,283.00	7,062.79	7,003.66	119.95	28.71	75.20	927.69	6,649.84	1,543.15	1,436.67	106.48	14.493		
9,800.00	7,283.00	7,069.81	7,010.61	122.34	28.74	75.84	926.90	6,650.28	1,452.23	1,342.71	109.51	13.261		
9,900.00	7,283.00	7,076.83	7,017.57	124.76	28.77	76.48	926.12	6,650.73	1,362.55	1,249.62	112.93	12.066		
10,000.00	7,283.00	7,083.86	7,024.55	127.18	28.80	77.12	925.34	6,651.18	1,274.38	1,157.60	116.78	10.913		
10,100.00	7,283.00	7,090.89	7,031.53	129.61	28.83	77.76	924.57	6,651.63	1,188.04	1,066.92	121.12	9.809		
10,200.00	7,283.00	7,097.94	7,038.52	132.06	28.86	78.41	923.81	6,652.08	1,103.97	977.95	126.02	8.760		
10,300.00	7,283.00	7,104.99	7,045.51	134.52	28.88	79.06	923.06	6,652.53	1,022.73	891.18	131.55	7.775		
10,400.00	7,283.00	7,112.05	7,052.52	136.98	28.91	79.71	922.31	6,652.98	945.05	807.32	137.73	6.862		
10,500.00	7,283.00	7,119.12	7,059.53	139.46	28.94	80.36	921.57	6,653.43	871.87	727.31	144.56	6.031		
10,600.00	7,283.00	7,126.19	7,066.56	141.94	28.97	81.02	920.84	6,653.89	804.43	652.50	151.93	5.295		
10,700.00	7,283.00	7,133.28	7,073.59	144.44	29.00	81.67	920.12	6,654.34	744.29	584.72	159.57	4.664		
10,800.00	7,283.00	7,140.37	7,080.63	146.94	29.03	82.33	919.40	6,654.80	693.36	526.42	166.94	4.153		
10,900.00	7,283.00	7,147.47	7,087.68	149.45	29.06	82.99	918.69	6,655.25	653.78	480.56	173.22	3.774		
11,000.00	7,283.00	7,154.57	7,094.73	151.96	29.09	83.64	917.99	6,655.71	627.71	450.34	177.36	3.539		
11,100.00	7,283.00	7,161.69	7,101.80	154.49	29.12	84.30	917.29	6,656.16	616.86	438.46	178.40	3.458 SF		
11,117.81	7,283.00	7,162.96	7,103.06	154.94	29.13	84.42	917.17	6,656.24	616.60	438.39	178.21	3.460 CC, ES		
11,200.00	7,283.00	7,168.81	7,108.87	157.01	29.15	84.96	916.60	6,656.62	622.03	446.15	175.88	3.537		
11,300.00	7,283.00	7,175.94	7,115.96	159.55	29.18	85.63	915.92	6,657.08	642.84	472.69	170.15	3.778		
11,400.00	7,283.00	7,183.08	7,123.05	162.09	29.21	86.29	915.25	6,657.54	677.84	515.68	162.16	4.180		
11,500.00	7,283.00	7,190.22	7,130.15	164.64	29.24	86.95	914.59	6,658.00	724.98	571.93	153.05	4.737		
11,600.00	7,283.00	7,195.84	7,135.72	167.19	29.26	87.47	914.06	6,658.36	782.09	638.35	143.73	5.441		
11,700.00	7,283.00	7,202.07	7,141.92	169.75	29.29	88.04	913.47	6,658.76	847.13	712.23	134.91	6.279		
11,800.00	7,283.00	7,208.36	7,148.16	172.31	29.31	88.62	912.87	6,659.17	918.44	791.57	126.86	7.239		
11,900.00	7,283.00	7,214.68	7,154.45	174.88	29.34	89.21	912.27	6,659.58	994.66	874.93	119.73	8.308		
12,000.00	7,283.00	7,221.06	7,160.78	177.45	29.37	89.79	911.66	6,660.00	1,074.74	961.26	113.48	9.470		
12,100.00	7,283.00	7,227.48	7,167.15	180.03	29.39	90.38	911.04	6,660.42	1,157.89	1,049.82	108.07	10.714		
12,200.00	7,283.00	7,233.94	7,173.57	182.61	29.42	90.98	910.41	6,660.85	1,243.49	1,140.09	103.40	12.025		
12,300.00	7,283.00	7,240.45	7,180.04	185.19	29.45	91.57	909.77	6,661.28	1,331.07	1,231.69	99.39	13.393		
12,400.00	7,283.00	7,247.01	7,186.55	187.78	29.47	92.17	909.13	6,661.72	1,420.26	1,324.33	95.93	14.805		
12,500.00	7,283.00	7,253.61	7,193.10	190.37	29.50	92.77	908.48	6,662.16	1,510.78	1,417.82	92.95	16.253		
12,600.00	7,283.00	7,260.27	7,199.71	192.97	29.53	93.37	907.81	6,662.60	1,602.39	1,512.00	90.39	17.727		
12,700.00	7,283.00	7,266.97	7,206.36	195.57	29.56	93.98	907.14	6,663.05	1,694.93	1,606.75	88.18	19.221		
12,800.00	7,283.00	7,273.72	7,213.06	198.17	29.58	94.58	906.46	6,663.51	1,788.24	1,701.97	86.28	20.727		
12,900.00	7,283.00	7,280.52	7,219.81	200.77	29.61	95.19	905.78	6,663.97	1,882.22	1,797.59	84.63	22.240		
13,000.00	7,283.00	7,287.37	7,226.61	203.38	29.64	95.80	905.08	6,664.43	1,976.77	1,893.56	83.21	23.756		
13,100.00	7,283.00	7,294.27	7,233.46	205.99	29.67	96.42	904.37	6,664.90	2,071.80	1,989.82	81.98	25.272		
13,200.00	7,283.00	7,301.22	7,240.36	208.61	29.70	97.03	903.65	6,665.38	2,167.26	2,086.35	80.92	26.784		
13,300.00	7,283.00	7,308.23	7,247.31	211.22	29.73	97.65	902.93	6,665.86	2,263.10	2,183.10	80.00	28.290		
13,400.00	7,283.00	7,315.29	7,254.31	213.84	29.76	98.26	902.19	6,666.34	2,359.25	2,280.05	79.20	29.789		
13,500.00	7,283.00	7,321.90	7,260.87	216.47	29.78	98.84	901.50	6,666.80	2,455.70	2,377.20	78.50	31.284		
13,600.00	7,283.00	7,328.48	7,267.40	219.09	29.81	99.41	900.82	6,667.25	2,552.40	2,474.51	77.89	32.770		
13,700.00	7,283.00	7,335.02	7,273.89	221.72	29.84	99.97	900.14	6,667.70	2,649.33	2,571.97	77.36	34.246		
13,800.00	7,283.00	7,341.51	7,280.34	224.34	29.87	100.53	899.47	6,668.14	2,746.46	2,669.56	76.90	35.714		
13,900.00	7,283.00	7,347.96	7,286.74	226.97	29.89	101.08	898.81	6,668.58	2,843.78	2,767.27	76.51	37.171		
14,000.00	7,283.00	7,354.37	7,293.10	229.61	29.92	101.62	898.16	6,669.01	2,941.26	2,865.10	76.16	38.618		
14,100.00	7,283.00	7,360.73	7,299.41	232.24	29.94	102.15	897.51	6,669.44	3,038.89	2,963.02	75.87	40.056		
14,200.00	7,283.00	7,367.05	7,305.69	234.88	29.97	102.68	896.88	6,669.87	3,136.65	3,061.04	75.61	41.483		
14,300.00	7,283.00	7,373.33	7,311.92	237.52	30.00	103.21	896.24	6,670.29	3,234.54	3,159.15	75.40	42.901		
14,400.00	7,283.00	7,379.57	7,318.11	240.16	30.02	103.72	895.62	6,670.71	3,332.55	3,257.34	75.21	44.308		
14,500.00	7,283.00	7,385.77	7,324.27	242.80	30.05	104.23	895.00	6,671.12	3,430.65	3,355.60	75.06	45.707		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 128-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,600.00	7,283.00	7,391.93	7,330.38	245.44	30.07	104.73	894.39	6,671.53	3,528.85	3,453.93	74.93	47.096		
14,700.00	7,283.00	7,398.04	7,336.45	248.09	30.10	105.23	893.79	6,671.93	3,627.14	3,552.32	74.82	48.476		
14,800.00	7,283.00	7,404.12	7,342.48	250.74	30.12	105.72	893.19	6,672.33	3,725.51	3,650.77	74.74	49.847		
14,900.00	7,283.00	7,410.15	7,348.48	253.38	30.15	106.20	892.60	6,672.73	3,823.95	3,749.28	74.67	51.209		
15,000.00	7,283.00	7,416.15	7,354.43	256.03	30.17	106.68	892.02	6,673.12	3,922.46	3,847.84	74.62	52.563		
15,100.00	7,283.00	7,422.11	7,360.35	258.69	30.20	107.15	891.44	6,673.51	4,021.04	3,946.45	74.59	53.909		
15,200.00	7,283.00	7,428.03	7,366.23	261.34	30.22	107.62	890.87	6,673.90	4,119.67	4,045.11	74.57	55.248		
15,300.00	7,283.00	7,433.91	7,372.07	263.99	30.25	108.08	890.30	6,674.28	4,218.36	4,143.81	74.56	56.578		
15,400.00	7,283.00	7,443.00	7,381.10	266.65	30.29	108.78	889.44	6,674.87	4,317.11	4,242.49	74.62	57.857		
15,500.00	7,283.00	7,443.00	7,381.10	269.31	30.29	108.78	889.44	6,674.87	4,415.89	4,341.37	74.53	59.252		
15,600.00	7,283.00	7,443.00	7,381.10	271.96	30.29	108.78	889.44	6,674.87	4,514.74	4,440.29	74.45	60.642		
15,700.00	7,283.00	7,455.71	7,393.73	274.62	30.34	109.75	888.22	6,675.68	4,613.61	4,539.01	74.60	61.847		
15,800.00	7,283.00	7,460.85	7,398.83	277.28	30.36	110.14	887.73	6,676.01	4,712.53	4,637.90	74.62	63.150		
15,900.00	7,283.00	7,465.94	7,403.89	279.94	30.38	110.52	887.25	6,676.33	4,811.48	4,736.82	74.66	64.447		
16,000.00	7,283.00	7,471.00	7,408.91	282.61	30.40	110.90	886.77	6,676.65	4,910.47	4,835.78	74.70	65.738		
16,100.00	7,283.00	7,476.01	7,413.90	285.27	30.42	111.27	886.29	6,676.97	5,009.50	4,934.76	74.74	67.023		
16,200.00	7,283.00	7,480.99	7,418.84	287.94	30.44	111.63	885.81	6,677.28	5,108.56	5,033.76	74.79	68.302		
16,300.00	7,283.00	7,485.92	7,423.74	290.60	30.46	111.99	885.34	6,677.59	5,207.65	5,132.80	74.85	69.576		
16,400.00	7,283.00	7,490.82	7,428.61	293.27	30.48	112.35	884.87	6,677.89	5,306.76	5,231.85	74.91	70.843		
16,500.00	7,283.00	7,495.68	7,433.44	295.94	30.50	112.70	884.40	6,678.20	5,405.91	5,330.93	74.97	72.105		
16,600.00	7,283.00	7,500.51	7,438.23	298.60	30.52	113.05	883.94	6,678.49	5,505.07	5,430.03	75.04	73.362		
16,700.00	7,283.00	7,505.30	7,442.99	301.27	30.54	113.39	883.48	6,678.79	5,604.27	5,529.16	75.11	74.614		
16,800.00	7,283.00	7,510.05	7,447.71	303.94	30.56	113.72	883.02	6,679.08	5,703.48	5,628.30	75.18	75.860		
16,900.00	7,283.00	7,514.76	7,452.39	306.62	30.58	114.05	882.57	6,679.37	5,802.72	5,727.46	75.26	77.102		
17,000.00	7,283.00	7,519.44	7,457.04	309.29	30.60	114.38	882.12	6,679.65	5,901.98	5,826.64	75.34	78.338		
17,100.00	7,283.00	7,524.08	7,461.65	311.96	30.62	114.70	881.67	6,679.93	6,001.26	5,925.84	75.42	79.569		
17,200.00	7,283.00	7,528.69	7,466.23	314.63	30.64	115.02	881.23	6,680.21	6,100.56	6,025.05	75.51	80.796		
17,300.00	7,283.00	7,533.26	7,470.77	317.31	30.66	115.33	880.78	6,680.49	6,199.87	6,124.28	75.59	82.018		
17,400.00	7,283.00	7,537.80	7,475.28	319.98	30.67	115.64	880.35	6,680.76	6,299.21	6,223.53	75.68	83.235		
17,500.00	7,283.00	7,542.31	7,479.76	322.66	30.69	115.95	879.91	6,681.03	6,398.56	6,322.79	75.77	84.448		
17,600.00	7,283.00	7,546.78	7,484.20	325.34	30.71	116.25	879.48	6,681.29	6,497.92	6,422.06	75.86	85.656		
17,700.00	7,283.00	7,551.22	7,488.61	328.01	30.73	116.54	879.05	6,681.56	6,597.30	6,521.35	75.95	86.860		
17,800.00	7,283.00	7,551.00	7,508.27	330.69	30.81	117.84	877.13	6,682.72	6,696.72	6,620.46	76.26	87.813		
17,900.00	7,283.00	7,571.00	7,508.27	333.37	30.81	117.84	877.13	6,682.72	6,796.12	6,719.82	76.30	89.077		
18,000.00	7,283.00	7,571.00	7,508.27	336.05	30.81	117.84	877.13	6,682.72	6,895.53	6,819.20	76.33	90.337		
18,100.00	7,283.00	7,571.00	7,508.27	338.73	30.81	117.84	877.13	6,682.72	6,994.97	6,918.60	76.37	91.593		
18,200.00	7,283.00	7,576.17	7,513.41	341.41	30.83	118.17	876.63	6,683.02	7,094.41	7,017.93	76.48	92.760		
18,300.00	7,283.00	7,587.88	7,525.04	344.09	30.88	118.92	875.49	6,683.71	7,193.87	7,117.19	76.68	93.815		
18,400.00	7,283.00	7,599.93	7,537.01	346.77	30.93	119.67	874.31	6,684.43	7,293.33	7,216.44	76.89	94.859		
18,500.00	7,283.00	7,612.33	7,549.33	349.46	30.98	120.43	873.10	6,685.18	7,392.79	7,315.69	77.10	95.891		
18,600.00	7,283.00	7,625.11	7,562.02	352.14	31.03	121.19	871.85	6,685.97	7,492.26	7,414.95	77.31	96.911		
18,700.00	7,283.00	7,638.27	7,575.09	354.82	31.09	121.97	870.56	6,686.79	7,591.73	7,514.20	77.53	97.919		
18,800.00	7,283.00	7,651.84	7,588.57	357.51	31.14	122.75	869.22	6,687.65	7,691.20	7,613.45	77.76	98.915		
18,900.00	7,283.00	7,665.83	7,602.46	360.19	31.20	123.54	867.84	6,688.55	7,790.68	7,712.69	77.99	99.898		
19,000.00	7,283.00	7,680.27	7,616.80	362.88	31.26	124.33	866.41	6,689.50	7,890.16	7,811.94	78.22	100.869		
19,100.00	7,283.00	7,695.18	7,631.60	365.56	31.32	125.13	864.93	6,690.49	7,989.64	7,911.17	78.46	101.826		
19,200.00	7,283.00	7,716.02	7,652.29	368.25	31.41	126.22	862.86	6,691.90	8,089.12	8,010.33	78.78	102.677		
19,247.68	7,283.00	7,727.58	7,663.77	369.53	31.45	126.81	861.72	6,692.70	8,136.54	8,057.59	78.95	103.054		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 48-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	0.00	0.00	0.27	0.00	96.53	-678.33	5,926.11	5,964.84	5,964.57	0.27	N/A		
121.00	121.00	0.00	0.00	0.34	0.00	96.53	-678.33	5,926.11	5,964.80	5,964.46	0.34	N/A		
200.00	200.00	68.65	68.65	0.63	0.14	96.53	-678.11	5,926.18	5,964.86	5,964.10	0.76	7,808.894		
300.00	299.98	153.88	153.88	0.98	0.44	26.93	-677.82	5,926.49	5,963.62	5,962.20	1.42	4,192.258		
400.00	399.84	261.53	261.53	1.34	0.82	26.99	-677.63	5,926.97	5,959.38	5,957.22	2.16	2,758.265		
500.00	499.45	390.15	390.15	1.71	1.26	27.12	-677.90	5,926.94	5,951.60	5,948.64	2.97	2,006.281		
600.00	598.70	508.07	508.06	2.10	1.67	27.28	-677.93	5,926.53	5,940.41	5,936.67	3.74	1,587.461		
700.00	697.47	615.00	614.99	2.51	2.04	27.49	-677.76	5,925.86	5,925.84	5,921.35	4.49	1,319.370		
800.00	795.62	754.03	754.00	2.95	2.53	27.78	-677.00	5,924.75	5,908.08	5,902.72	5.36	1,101.628		
900.00	893.06	925.94	925.73	3.43	3.13	28.11	-670.45	5,921.79	5,885.83	5,879.47	6.36	925.074		
1,000.00	989.64	1,041.27	1,040.67	3.95	3.55	28.41	-661.37	5,919.70	5,860.18	5,853.00	7.18	816.084		
1,100.00	1,085.27	1,143.19	1,142.00	4.52	3.92	28.74	-650.56	5,917.91	5,831.31	5,823.34	7.97	731.444		
1,200.00	1,179.82	1,235.11	1,233.22	5.14	4.27	29.10	-639.27	5,916.48	5,799.51	5,790.76	8.75	662.806		
1,300.00	1,273.17	1,321.11	1,318.38	5.81	4.60	29.50	-627.35	5,915.41	5,764.95	5,755.42	9.53	604.988		
1,400.00	1,365.21	1,391.29	1,387.77	6.54	4.88	29.93	-616.89	5,914.80	5,727.78	5,717.51	10.28	557.365		
1,500.00	1,455.84	1,456.00	1,451.72	7.33	5.13	30.41	-607.00	5,914.53	5,688.21	5,677.19	11.03	515.904		
1,600.00	1,544.94	1,527.51	1,522.32	8.19	5.42	30.94	-595.63	5,914.59	5,646.26	5,634.43	11.83	477.185		
1,700.00	1,632.39	1,600.38	1,594.16	9.12	5.72	31.52	-583.43	5,915.02	5,601.97	5,589.30	12.67	442.117		
1,800.00	1,718.11	1,702.28	1,694.61	10.11	6.15	32.21	-566.28	5,915.61	5,555.03	5,541.38	13.65	406.861		
1,900.00	1,801.97	1,795.62	1,786.63	11.18	6.54	32.97	-550.67	5,915.95	5,505.35	5,490.71	14.63	376.230		
1,969.27	1,858.92	1,857.45	1,847.57	11.96	6.80	33.54	-540.28	5,916.12	5,469.41	5,454.09	15.32	357.052		
2,000.00	1,883.98	1,883.40	1,873.18	12.31	6.91	33.60	-535.98	5,916.18	5,453.20	5,437.58	15.62	349.109		
2,100.00	1,965.50	1,967.72	1,956.40	13.48	7.27	33.77	-522.46	5,916.29	5,400.47	5,383.86	16.61	325.226		
2,200.00	2,047.03	2,048.09	2,035.79	14.65	7.61	33.95	-509.97	5,916.37	5,347.80	5,330.21	17.59	304.040		
2,300.00	2,128.56	2,122.75	2,109.57	15.84	7.92	34.11	-498.53	5,916.48	5,295.24	5,276.68	18.57	285.216		
2,400.00	2,210.09	2,189.15	2,175.21	17.03	8.20	34.26	-488.48	5,916.75	5,242.97	5,223.44	19.53	268.514		
2,500.00	2,291.61	2,294.45	2,279.25	18.23	8.65	34.51	-472.28	5,917.35	5,190.87	5,170.23	20.64	251.498		
2,600.00	2,373.14	2,414.40	2,397.41	19.44	9.17	34.76	-451.70	5,917.39	5,138.09	5,116.27	21.82	235.502		
2,700.00	2,454.67	2,506.02	2,487.58	20.64	9.58	34.96	-435.44	5,917.13	5,085.03	5,062.12	22.91	222.001		
2,800.00	2,536.20	2,580.20	2,560.65	21.86	9.90	35.12	-422.60	5,916.93	5,032.07	5,008.13	23.94	210.181		
2,900.00	2,617.72	2,646.74	2,626.25	23.07	10.19	35.28	-411.49	5,916.83	4,979.35	4,954.39	24.96	199.485		
3,000.00	2,699.25	2,708.10	2,686.78	24.29	10.46	35.43	-401.42	5,916.98	4,927.03	4,901.06	25.97	189.700		
3,100.00	2,780.78	2,777.14	2,754.92	25.50	10.76	35.60	-390.36	5,917.40	4,875.12	4,848.10	27.02	180.441		
3,200.00	2,862.31	2,854.02	2,830.93	26.73	11.09	35.81	-378.80	5,917.88	4,823.41	4,795.31	28.10	171.674		
3,300.00	2,943.83	2,922.21	2,898.43	27.95	11.38	36.00	-369.14	5,918.36	4,771.95	4,742.79	29.15	163.675		
3,400.00	3,025.36	2,996.00	2,971.50	29.17	11.68	36.21	-358.92	5,919.13	4,720.87	4,690.63	30.24	156.114		
3,500.00	3,106.89	3,119.75	3,094.02	30.40	12.21	36.58	-341.53	5,920.06	4,669.64	4,638.16	31.48	148.349		
3,600.00	3,188.42	3,225.03	3,198.26	31.62	12.65	36.91	-326.75	5,920.03	4,617.79	4,585.13	32.66	141.370		
3,700.00	3,269.94	3,307.66	3,280.13	32.85	12.99	37.18	-315.61	5,919.69	4,565.80	4,532.00	33.80	135.092		
3,800.00	3,351.47	3,381.00	3,352.79	34.07	13.30	37.42	-305.61	5,919.52	4,514.01	4,479.10	34.91	129.286		
3,900.00	3,433.00	3,455.96	3,427.03	35.30	13.61	37.67	-295.27	5,919.53	4,462.48	4,426.43	36.05	123.793		
4,000.00	3,514.53	3,532.01	3,502.34	36.53	13.93	37.92	-284.68	5,919.74	4,411.22	4,374.02	37.19	118.597		
4,100.00	3,596.05	3,616.06	3,585.51	37.76	14.29	38.20	-272.55	5,920.11	4,360.09	4,321.72	38.37	113.626		
4,200.00	3,677.58	3,712.95	3,681.28	38.99	14.71	38.53	-257.86	5,920.57	4,308.95	4,269.36	39.59	108.836		
4,300.00	3,759.11	3,809.06	3,776.19	40.22	15.12	38.85	-242.75	5,920.79	4,257.58	4,216.77	40.81	104.320		
4,400.00	3,840.64	3,901.53	3,867.66	41.45	15.52	39.18	-229.19	5,920.60	4,206.14	4,164.10	42.04	100.059		
4,500.00	3,922.16	4,037.07	4,001.81	42.68	16.09	39.70	-209.89	5,919.14	4,154.15	4,110.80	43.35	95.832		
4,600.00	4,003.69	4,088.28	4,052.47	43.91	16.31	39.89	-202.41	5,918.60	4,102.15	4,057.64	44.51	92.163		
4,700.00	4,085.22	4,150.00	4,113.50	45.15	16.58	40.13	-193.19	5,918.31	4,050.73	4,005.03	45.70	88.632		
4,800.00	4,166.75	4,211.85	4,174.60	46.38	16.85	40.37	-183.56	5,918.46	3,999.85	3,952.94	46.91	85.260		
4,900.00	4,248.27	4,279.00	4,240.82	47.61	17.14	40.61	-172.49	5,919.12	3,949.48	3,901.34	48.14	82.036		
5,000.00	4,329.80	4,382.97	4,343.33	48.84	17.60	41.00	-155.12	5,920.15	3,899.19	3,849.74	49.45	78.852		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 48-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,411.33	4,483.63	4,442.58	50.08	18.05	41.39	-138.36	5,920.60	3,848.54	3,797.78	50.76	75.819		
5,200.00	4,492.86	4,583.52	4,540.90	51.31	18.50	41.78	-120.73	5,920.89	3,797.66	3,745.59	52.07	72.929		
5,300.00	4,574.38	4,679.59	4,635.32	52.54	18.94	42.14	-103.01	5,920.96	3,746.51	3,693.12	53.39	70.174		
5,400.00	4,655.91	4,757.84	4,712.31	53.78	19.29	42.46	-89.05	5,920.84	3,695.42	3,640.73	54.70	67.563		
5,500.00	4,737.44	4,821.76	4,775.34	55.01	19.58	42.74	-78.40	5,920.70	3,644.67	3,588.66	56.00	65.079		
5,600.00	4,818.97	4,875.50	4,828.43	56.24	19.81	42.99	-70.08	5,920.84	3,594.67	3,537.36	57.32	62.714		
5,700.00	4,900.49	4,947.08	4,899.27	57.48	20.12	43.34	-59.84	5,921.39	3,545.48	3,486.81	58.67	60.431		
5,800.00	4,982.02	5,070.08	5,021.10	58.71	20.64	43.97	-42.93	5,921.16	3,495.79	3,435.71	60.08	58.185		
5,900.00	5,063.55	5,145.56	5,095.79	59.95	20.96	44.37	-32.03	5,920.94	3,446.05	3,384.59	61.47	56.064		
6,000.00	5,145.08	5,214.78	5,164.20	61.18	21.26	44.72	-21.44	5,921.12	3,396.72	3,333.86	62.86	54.035		
6,100.00	5,226.60	5,279.72	5,228.40	62.42	21.54	45.07	-11.72	5,921.59	3,348.00	3,283.72	64.28	52.087		
6,200.00	5,308.13	5,342.28	5,290.32	63.65	21.80	45.41	-2.80	5,922.29	3,299.95	3,234.24	65.71	50.221		
6,300.00	5,389.66	5,403.20	5,350.75	64.89	22.05	45.77	4.87	5,923.07	3,252.68	3,185.52	67.16	48.428		
6,400.00	5,471.19	5,528.11	5,474.86	66.12	22.55	46.57	18.92	5,924.14	3,205.80	3,137.12	68.68	46.679		
6,500.00	5,552.72	5,622.77	5,568.82	67.36	22.94	47.18	30.40	5,923.91	3,157.89	3,087.70	70.19	44.990		
6,600.00	5,634.24	5,699.04	5,644.40	68.59	23.26	47.67	40.65	5,924.19	3,110.36	3,038.64	71.71	43.372		
6,700.00	5,715.77	5,771.16	5,715.79	69.83	23.56	48.13	50.84	5,924.90	3,063.33	2,990.07	73.26	41.815		
6,800.00	5,797.30	5,853.12	5,796.87	71.06	23.91	48.66	62.73	5,926.11	3,016.81	2,941.98	74.82	40.319		
6,900.00	5,878.83	5,951.04	5,893.67	72.30	24.33	49.30	77.41	5,927.45	2,970.29	2,893.89	76.40	38.879		
7,000.00	5,960.35	6,038.31	5,979.95	73.53	24.71	49.89	90.50	5,928.39	2,923.78	2,845.78	78.00	37.484		
7,100.00	6,041.88	6,124.01	6,064.73	74.77	25.08	50.50	103.03	5,929.08	2,877.46	2,797.83	79.63	36.136		
7,200.00	6,123.41	6,207.86	6,147.67	76.01	25.43	51.11	115.26	5,929.73	2,831.39	2,750.11	81.28	34.835		
7,300.00	6,204.94	6,284.20	6,223.25	77.24	25.76	51.69	126.09	5,930.30	2,785.75	2,702.79	82.96	33.578		
7,400.00	6,286.46	6,357.26	6,295.63	78.48	26.06	52.27	135.99	5,930.87	2,740.68	2,655.99	84.69	32.363		
7,500.00	6,367.99	6,425.83	6,363.53	79.71	26.35	52.82	145.44	5,931.89	2,696.39	2,609.96	86.43	31.196		
7,600.00	6,449.52	6,503.34	6,440.26	80.95	26.68	53.44	156.31	5,933.56	2,652.86	2,564.67	88.19	30.080		
7,700.00	6,531.05	6,587.00	6,523.19	82.19	27.03	54.16	167.22	5,934.99	2,609.74	2,519.76	89.99	29.002		
7,800.00	6,612.57	6,662.51	6,598.14	83.42	27.33	54.84	176.31	5,936.05	2,567.19	2,475.37	91.82	27.959		
7,900.00	6,694.10	6,783.74	6,718.56	84.66	27.82	55.98	190.30	5,937.30	2,525.17	2,431.54	93.63	26.969		
8,000.00	6,775.63	6,892.27	6,826.16	85.89	28.27	57.04	204.45	5,936.63	2,481.52	2,386.06	95.47	25.994		
8,100.00	6,857.16	6,959.22	6,892.53	87.13	28.55	57.71	213.26	5,936.50	2,438.74	2,341.33	97.41	25.036		
8,200.00	6,938.68	7,021.96	6,954.76	88.37	28.80	58.35	221.21	5,936.74	2,397.08	2,297.70	99.38	24.119		
8,300.00	7,020.21	7,100.00	7,032.30	89.60	29.12	59.18	230.06	5,937.34	2,356.82	2,255.44	101.37	23.249		
8,310.57	7,028.83	7,100.00	7,032.30	89.73	29.12	59.18	230.06	5,937.34	2,352.58	2,250.98	101.60	23.155		
8,350.00	7,060.23	7,115.53	7,047.74	90.25	29.18	58.36	231.67	5,937.49	2,336.07	2,233.63	102.44	22.805		
8,400.00	7,097.77	7,146.89	7,078.94	90.98	29.30	58.32	234.79	5,937.79	2,312.62	2,209.07	103.54	22.335		
8,450.00	7,132.48	7,175.86	7,107.78	91.79	29.41	59.11	237.50	5,938.06	2,286.51	2,181.80	104.72	21.835		
8,500.00	7,164.10	7,202.23	7,134.05	92.67	29.51	60.66	239.81	5,938.30	2,257.98	2,152.03	105.95	21.311		
8,550.00	7,192.40	7,228.00	7,159.73	93.63	29.61	62.97	241.93	5,938.51	2,227.28	2,120.03	107.24	20.769		
8,600.00	7,217.15	7,252.93	7,184.58	94.64	29.70	66.05	243.96	5,938.73	2,194.61	2,086.04	108.57	20.213		
8,650.00	7,238.16	7,276.78	7,208.35	95.70	29.79	69.89	245.96	5,938.97	2,160.23	2,050.29	109.94	19.649		
8,700.00	7,255.29	7,296.42	7,227.91	96.80	29.87	74.38	247.67	5,939.17	2,124.46	2,013.12	111.34	19.081		
8,750.00	7,268.39	7,311.67	7,243.10	97.92	29.93	79.44	249.02	5,939.35	2,087.60	1,974.84	112.76	18.514		
8,800.00	7,277.37	7,322.37	7,253.75	99.06	29.97	84.95	249.99	5,939.47	2,049.98	1,935.80	114.18	17.953		
8,850.00	7,282.15	7,328.41	7,259.77	100.20	29.99	90.72	250.54	5,939.54	2,011.92	1,896.31	115.61	17.402		
8,881.61	7,283.00	7,329.79	7,261.14	100.91	30.00	94.43	250.67	5,939.56	1,987.78	1,871.27	116.51	17.061		
8,900.00	7,283.00	7,330.04	7,261.39	101.33	30.00	94.44	250.69	5,939.56	1,973.77	1,856.73	117.04	16.865		
9,000.00	7,283.00	7,331.41	7,262.76	103.59	30.00	94.50	250.81	5,939.58	1,898.88	1,778.90	119.98	15.826		
9,100.00	7,283.00	7,332.80	7,264.13	105.67	30.01	94.57	250.94	5,939.60	1,826.40	1,703.31	123.09	14.838		
9,200.00	7,283.00	7,334.19	7,265.52	108.18	30.01	94.63	251.07	5,939.61	1,756.62	1,630.27	126.35	13.903		
9,300.00	7,283.00	7,335.59	7,266.92	110.50	30.02	94.69	251.20	5,939.63	1,689.88	1,560.13	129.75	13.024		
9,400.00	7,283.00	7,337.01	7,268.33	112.84	30.02	94.75	251.33	5,939.65	1,626.55	1,493.29	133.27	12.205		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 2-T4N-R68W - EXIST DD SRC PRATT 2KD - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 48-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,500.00	7,283.00	7,338.44	7,269.75	115.19	30.03	94.82	251.46	5,939.67	1,567.05	1,430.19	136.86	11.450		
9,600.00	7,283.00	7,339.88	7,271.19	117.56	30.03	94.88	251.60	5,939.68	1,511.83	1,371.34	140.48	10.762		
9,700.00	7,283.00	7,341.34	7,272.64	119.95	30.04	94.95	251.73	5,939.70	1,461.37	1,317.29	144.07	10.143		
9,800.00	7,283.00	7,342.80	7,274.10	122.34	30.04	95.01	251.87	5,939.72	1,416.18	1,268.63	147.55	9.598		
9,900.00	7,283.00	7,344.28	7,275.57	124.76	30.05	95.08	252.01	5,939.74	1,376.78	1,225.96	150.81	9.129		
10,000.00	7,283.00	7,345.77	7,277.06	127.18	30.06	95.15	252.15	5,939.76	1,343.68	1,189.91	153.77	8.738		
10,100.00	7,283.00	7,347.28	7,278.55	129.61	30.06	95.21	252.29	5,939.78	1,317.36	1,161.05	156.31	8.428		
10,200.00	7,283.00	7,348.80	7,280.07	132.06	30.07	95.28	252.43	5,939.80	1,298.22	1,139.90	158.32	8.200		
10,300.00	7,283.00	7,350.33	7,281.59	134.52	30.07	95.35	252.58	5,939.82	1,286.59	1,126.86	159.73	8.055		
10,400.00	7,283.00	7,351.87	7,283.13	136.98	30.08	95.42	252.72	5,939.84	1,282.68	1,122.21	160.47	7.993 CC		
10,404.45	7,283.00	7,351.94	7,283.20	137.09	30.08	95.42	252.73	5,939.84	1,282.68	1,122.19	160.49	7.992 ES, SF		
10,500.00	7,283.00	7,353.43	7,284.68	139.46	30.08	95.49	252.87	5,939.86	1,286.54	1,126.03	160.52	8.015		
10,600.00	7,283.00	7,355.01	7,286.25	141.94	30.09	95.56	253.02	5,939.88	1,298.13	1,138.24	159.89	8.119		
10,700.00	7,283.00	7,356.59	7,287.83	144.44	30.10	95.63	253.17	5,939.90	1,317.22	1,158.60	158.62	8.304		
10,800.00	7,283.00	7,358.19	7,289.42	146.94	30.10	95.70	253.32	5,939.92	1,343.50	1,186.71	156.79	8.569		
10,900.00	7,283.00	7,359.81	7,291.03	149.45	30.11	95.77	253.48	5,939.94	1,376.55	1,222.06	154.50	8.910		
11,000.00	7,283.00	7,361.44	7,292.65	151.96	30.12	95.85	253.63	5,939.96	1,415.92	1,264.07	151.85	9.325		
11,100.00	7,283.00	7,363.09	7,294.29	154.49	30.12	95.92	253.79	5,939.99	1,461.07	1,312.14	148.93	9.810		
11,200.00	7,283.00	7,364.75	7,295.94	157.01	30.13	95.99	253.95	5,940.01	1,511.50	1,365.65	145.85	10.363		
11,300.00	7,283.00	7,366.42	7,297.61	159.55	30.13	96.07	254.11	5,940.03	1,566.70	1,424.01	142.69	10.980		
11,400.00	7,283.00	7,368.12	7,299.29	162.09	30.14	96.14	254.27	5,940.05	1,626.17	1,486.67	139.50	11.657		
11,500.00	7,283.00	7,369.82	7,300.99	164.64	30.15	96.22	254.44	5,940.08	1,689.47	1,553.12	136.36	12.390		
11,600.00	7,283.00	7,371.55	7,302.71	167.19	30.15	96.30	254.60	5,940.10	1,756.19	1,622.91	133.28	13.177		
11,700.00	7,283.00	7,373.29	7,304.44	169.75	30.16	96.38	254.77	5,940.12	1,826.02	1,695.77	130.24	14.020		
11,800.00	7,283.00	7,375.03	7,306.17	172.31	30.17	96.46	254.94	5,940.14	1,898.49	1,771.11	127.38	14.904		
11,900.00	7,283.00	7,376.78	7,307.90	174.88	30.18	96.54	255.11	5,940.16	1,973.37	1,848.72	124.65	15.832		
12,000.00	7,283.00	7,378.52	7,309.63	177.45	30.19	96.62	255.28	5,940.18	2,050.39	1,928.34	122.05	16.799		
12,100.00	7,283.00	7,380.27	7,311.36	180.03	30.20	96.70	255.45	5,940.20	2,129.33	2,009.73	119.60	17.803		
12,200.00	7,283.00	7,382.01	7,313.09	182.61	30.21	96.78	255.62	5,940.22	2,209.97	2,092.68	117.29	18.842		
12,300.00	7,283.00	7,383.76	7,314.82	185.19	30.22	96.86	255.79	5,940.24	2,292.14	2,177.03	115.11	19.912		
12,400.00	7,283.00	7,385.50	7,316.55	187.78	30.23	96.94	255.96	5,940.26	2,375.67	2,262.61	113.07	21.011		
12,500.00	7,283.00	7,387.25	7,318.28	190.37	30.24	97.02	256.13	5,940.28	2,460.44	2,349.29	111.15	22.137		
12,600.00	7,283.00	7,389.00	7,320.01	192.97	30.25	97.10	256.30	5,940.30	2,546.31	2,436.96	109.35	23.287		
12,700.00	7,283.00	7,390.75	7,321.74	195.57	30.26	97.18	256.47	5,940.32	2,633.08	2,525.29	107.78	24.429		
12,800.00	7,283.00	7,392.50	7,323.47	198.17	30.27	97.26	256.64	5,940.34	2,720.84	2,614.63	106.21	25.618		
12,900.00	7,283.00	7,394.25	7,325.20	200.77	30.28	97.34	256.81	5,940.36	2,809.42	2,704.69	104.73	26.825		
13,000.00	7,283.00	7,396.00	7,326.93	203.38	30.29	97.42	256.98	5,940.38	2,898.74	2,795.39	103.35	28.048		
13,100.00	7,283.00	7,397.75	7,328.66	205.99	30.30	97.50	257.15	5,940.40	2,988.74	2,886.69	102.05	29.287		
13,200.00	7,283.00	7,399.50	7,330.39	208.61	30.31	97.58	257.32	5,940.42	3,079.36	2,978.52	100.84	30.539		
13,300.00	7,283.00	7,401.25	7,332.12	211.22	30.32	97.66	257.49	5,940.44	3,170.54	3,070.85	99.69	31.803		
13,400.00	7,283.00	7,403.00	7,333.85	213.84	30.33	97.74	257.66	5,940.46	3,262.24	3,163.61	98.62	33.078		
13,500.00	7,283.00	7,404.75	7,335.58	216.47	30.34	97.82	257.83	5,940.48	3,354.41	3,256.79	97.62	34.363		
13,600.00	7,283.00	7,406.50	7,337.31	219.09	30.35	97.90	258.00	5,940.50	3,447.01	3,350.34	96.67	35.657		
13,700.00	7,283.00	7,408.25	7,339.04	221.72	30.36	97.98	258.17	5,940.52	3,540.02	3,444.24	95.78	36.958		
13,800.00	7,283.00	7,410.00	7,340.77	224.34	30.37	98.06	258.34	5,940.54	3,633.40	3,538.45	94.95	38.266		
13,900.00	7,283.00	7,411.75	7,342.50	226.97	30.38	98.14	258.51	5,940.56	3,727.13	3,632.96	94.16	39.581		
14,000.00	7,283.00	7,413.50	7,344.23	229.61	30.39	98.22	258.68	5,940.58	3,821.17	3,727.74	93.43	40.900		
14,100.00	7,283.00	7,415.25	7,345.96	232.24	30.40	98.30	258.85	5,940.60	3,915.50	3,822.77	92.73	42.225		
14,200.00	7,283.00	7,417.00	7,347.69	234.88	30.41	98.38	259.02	5,940.62	4,010.11	3,918.04	92.07	43.553		
14,300.00	7,283.00	7,418.75	7,349.42	237.52	30.42	98.46	259.19	5,940.64	4,104.98	4,013.52	91.46	44.884		
14,400.00	7,283.00	7,420.50	7,351.15	240.16	30.43	98.54	259.36	5,940.66	4,200.08	4,109.21	90.87	46.218		
14,500.00	7,283.00	7,422.25	7,352.88	242.80	30.44	98.62	259.53	5,940.68	4,295.41	4,205.08	90.33	47.555		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 48-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,600.00	7,283.00	7,391.34	7,322.43	245.44	30.23	97.18	256.31	5,940.33	4,390.94	4,301.14	89.81	48.893		
14,700.00	7,283.00	7,392.15	7,323.23	248.09	30.23	97.22	256.38	5,940.34	4,486.67	4,397.35	89.32	50.233		
14,800.00	7,283.00	7,392.95	7,324.03	250.74	30.23	97.25	256.45	5,940.35	4,582.58	4,493.73	88.86	51.573		
14,900.00	7,283.00	7,393.75	7,324.83	253.38	30.23	97.29	256.52	5,940.36	4,678.66	4,590.24	88.42	52.914		
15,000.00	7,283.00	7,394.54	7,325.62	256.03	30.24	97.32	256.58	5,940.37	4,774.91	4,686.90	88.01	54.255		
15,100.00	7,283.00	7,395.34	7,326.41	258.69	30.24	97.36	256.65	5,940.38	4,871.30	4,783.68	87.62	55.596		
15,200.00	7,283.00	7,396.12	7,327.19	261.34	30.24	97.39	256.72	5,940.39	4,967.83	4,880.58	87.25	56.937		
15,300.00	7,283.00	7,396.91	7,327.97	263.99	30.25	97.43	256.78	5,940.40	5,064.50	4,977.60	86.90	58.277		
15,400.00	7,283.00	7,397.68	7,328.75	266.65	30.25	97.46	256.85	5,940.41	5,161.30	5,074.73	86.58	59.616		
15,500.00	7,283.00	7,398.46	7,329.52	269.31	30.25	97.50	256.92	5,940.42	5,258.22	5,171.95	86.26	60.955		
15,600.00	7,283.00	7,399.23	7,330.29	271.96	30.25	97.53	256.98	5,940.43	5,355.25	5,269.28	85.97	62.291		
15,700.00	7,283.00	7,400.00	7,331.06	274.62	30.26	97.57	257.04	5,940.43	5,452.38	5,366.69	85.69	63.627		
15,800.00	7,283.00	7,400.76	7,331.82	277.28	30.26	97.60	257.11	5,940.44	5,549.62	5,464.19	85.43	64.960		
15,900.00	7,283.00	7,401.52	7,332.57	279.94	30.26	97.63	257.17	5,940.45	5,646.96	5,561.77	85.18	66.292		
16,000.00	7,283.00	7,402.28	7,333.33	282.61	30.27	97.67	257.24	5,940.46	5,744.38	5,659.43	84.95	67.622		
16,100.00	7,283.00	7,403.03	7,334.08	285.27	30.27	97.70	257.30	5,940.47	5,841.90	5,757.17	84.73	68.950		
16,200.00	7,283.00	7,403.78	7,334.83	287.94	30.27	97.74	257.36	5,940.48	5,939.49	5,854.97	84.52	70.275		
16,300.00	7,283.00	7,404.53	7,335.57	290.60	30.27	97.77	257.42	5,940.49	6,037.17	5,952.84	84.32	71.598		
16,400.00	7,283.00	7,405.27	7,336.31	293.27	30.28	97.80	257.48	5,940.50	6,134.91	6,050.78	84.13	72.918		
16,500.00	7,283.00	7,406.01	7,337.04	295.94	30.28	97.83	257.54	5,940.50	6,232.73	6,148.78	83.96	74.236		
16,600.00	7,283.00	7,406.74	7,337.78	298.60	30.28	97.87	257.60	5,940.51	6,330.62	6,246.83	83.79	75.552		
16,700.00	7,283.00	7,407.48	7,338.51	301.27	30.29	97.90	257.66	5,940.52	6,428.58	6,344.94	83.64	76.864		
16,800.00	7,283.00	7,408.20	7,339.23	303.94	30.29	97.93	257.72	5,940.53	6,526.59	6,443.10	83.49	78.174		
16,900.00	7,283.00	7,408.93	7,339.95	306.62	30.29	97.96	257.78	5,940.54	6,624.66	6,541.32	83.35	79.481		
17,000.00	7,283.00	7,409.65	7,340.67	309.29	30.29	98.00	257.84	5,940.54	6,722.80	6,639.58	83.22	80.785		
17,100.00	7,283.00	7,410.37	7,341.39	311.96	30.30	98.03	257.90	5,940.55	6,820.98	6,737.88	83.10	82.085		
17,200.00	7,283.00	7,411.08	7,342.10	314.63	30.30	98.06	257.96	5,940.56	6,919.22	6,836.24	82.98	83.383		
17,300.00	7,283.00	7,411.79	7,342.81	317.31	30.30	98.09	258.02	5,940.57	7,017.50	6,934.63	82.87	84.678		
17,400.00	7,283.00	7,412.50	7,343.51	319.98	30.30	98.12	258.07	5,940.58	7,115.84	7,033.07	82.77	85.969		
17,500.00	7,283.00	7,413.20	7,344.22	322.66	30.31	98.16	258.13	5,940.58	7,214.22	7,131.54	82.68	87.257		
17,600.00	7,283.00	7,413.91	7,344.91	325.34	30.31	98.19	258.19	5,940.59	7,312.64	7,230.05	82.59	88.542		
17,700.00	7,283.00	7,414.60	7,345.61	328.01	30.31	98.22	258.24	5,940.60	7,411.11	7,328.60	82.51	89.824		
17,800.00	7,283.00	7,415.30	7,346.30	330.69	30.31	98.25	258.30	5,940.61	7,509.61	7,427.18	82.43	91.102		
17,900.00	7,283.00	7,415.99	7,346.99	333.37	30.32	98.28	258.35	5,940.61	7,608.16	7,525.80	82.36	92.377		
18,000.00	7,283.00	7,416.68	7,347.68	336.05	30.32	98.31	258.41	5,940.62	7,706.74	7,624.45	82.29	93.649		
18,100.00	7,283.00	7,417.36	7,348.36	338.73	30.32	98.34	258.46	5,940.63	7,805.36	7,723.13	82.23	94.917		
18,200.00	7,283.00	7,418.04	7,349.04	341.41	30.32	98.37	258.52	5,940.64	7,904.01	7,821.83	82.18	96.182		
18,300.00	7,283.00	7,418.72	7,349.72	344.09	30.33	98.40	258.57	5,940.64	8,002.70	7,920.57	82.13	97.443		
18,400.00	7,283.00	7,419.40	7,350.39	346.77	30.33	98.43	258.62	5,940.65	8,101.42	8,019.34	82.08	98.701		
18,500.00	7,283.00	7,420.07	7,351.06	349.46	30.33	98.46	258.68	5,940.66	8,200.17	8,118.13	82.04	99.955		
18,600.00	7,283.00	7,420.74	7,351.73	352.14	30.33	98.49	258.73	5,940.67	8,298.95	8,216.95	82.00	101.206		
18,700.00	7,283.00	7,421.41	7,352.39	354.82	30.34	98.52	258.78	5,940.67	8,397.75	8,315.79	81.97	102.453		
18,800.00	7,283.00	7,422.07	7,353.05	357.51	30.34	98.55	258.83	5,940.68	8,496.59	8,414.65	81.94	103.697		
18,900.00	7,283.00	7,422.73	7,353.71	360.19	30.34	98.58	258.88	5,940.69	8,595.45	8,513.54	81.91	104.937		
19,000.00	7,283.00	7,423.39	7,354.37	362.88	30.34	98.61	258.94	5,940.69	8,694.34	8,612.45	81.89	106.173		
19,100.00	7,283.00	7,424.04	7,355.02	365.56	30.35	98.64	258.99	5,940.70	8,793.26	8,711.39	81.87	107.406		
19,200.00	7,283.00	7,424.69	7,355.67	368.25	30.35	98.67	259.04	5,940.71	8,892.19	8,810.34	81.85	108.636		
19,247.68	7,283.00	7,425.00	7,355.98	369.53	30.35	98.68	259.06	5,940.71	8,939.37	8,857.52	81.85	109.220		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 2-T4N-R68W - SRC VISTA 43-2C - Wellbore #1 - Wellbore #1		Offset Site Error:		0.00 usft
Survey Program: 225-MWD OWSG															Offset Well Error:		0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
100.00	100.00	0.00	0.00	0.27	0.00	90.88	-76.00	4,942.81	4,943.42	4,943.15	0.27	N/A					
141.18	141.18	25.54	25.54	0.42	0.04	90.88	-76.02	4,942.81	4,943.39	4,942.93	0.46	N/A					
200.00	200.00	85.20	85.20	0.63	0.14	90.88	-76.22	4,942.79	4,943.38	4,942.61	0.77	6,445.116					
300.00	299.98	186.60	186.59	0.98	0.31	21.30	-77.04	4,942.74	4,941.72	4,940.43	1.29	3,836.752					
400.00	399.84	528.07	527.88	1.34	1.46	21.50	-82.89	4,934.97	4,935.21	4,932.40	2.81	1,759.130					
500.00	499.45	695.70	695.23	1.71	2.06	21.67	-82.67	4,925.47	4,921.43	4,917.67	3.77	1,307.051					
600.00	598.70	801.03	800.33	2.10	2.45	21.84	-81.43	4,918.51	4,903.53	4,899.02	4.50	1,088.641					
700.00	697.47	870.42	869.57	2.51	2.70	22.04	-80.31	4,914.22	4,882.86	4,877.74	5.12	953.596					
800.00	795.62	939.00	938.04	2.95	2.95	22.26	-79.23	4,910.44	4,859.69	4,853.95	5.74	846.781					
900.00	893.06	997.99	996.95	3.43	3.16	22.52	-78.42	4,907.59	4,834.04	4,827.71	6.33	763.379					
1,000.00	989.64	1,083.97	1,082.85	3.95	3.48	22.85	-77.68	4,903.91	4,805.85	4,798.82	7.03	683.340					
1,100.00	1,085.27	1,248.53	1,247.18	4.52	4.08	23.37	-79.50	4,895.41	4,773.80	4,765.78	8.03	594.830					
1,200.00	1,179.82	1,317.00	1,315.53	5.14	4.34	23.81	-80.70	4,891.54	4,738.39	4,729.70	8.69	545.367					
1,300.00	1,273.17	1,363.65	1,362.11	5.81	4.51	24.24	-81.39	4,889.25	4,700.72	4,691.43	9.29	506.067					
1,400.00	1,365.21	1,411.00	1,409.43	6.54	4.68	24.71	-81.83	4,887.41	4,661.05	4,651.14	9.91	470.403					
1,500.00	1,455.84	1,493.35	1,491.73	7.33	4.98	25.30	-82.12	4,884.67	4,619.03	4,608.37	10.67	433.009					
1,600.00	1,544.94	1,614.67	1,612.95	8.19	5.42	26.10	-83.56	4,880.15	4,573.93	4,562.35	11.58	395.029					
1,700.00	1,632.39	1,699.17	1,697.33	9.12	5.73	26.89	-86.31	4,876.60	4,525.81	4,513.42	12.39	365.392					
1,800.00	1,718.11	1,870.76	1,868.66	10.11	6.36	28.12	-90.31	4,868.13	4,474.60	4,461.10	13.51	331.327					
1,900.00	1,801.97	1,947.77	1,945.52	11.18	6.65	29.07	-91.23	4,863.50	4,419.82	4,405.49	14.33	308.404					
1,969.27	1,858.92	1,991.09	1,988.76	11.96	6.81	29.74	-91.68	4,860.98	4,380.56	4,365.67	14.89	294.231					
2,000.00	1,883.98	2,010.19	2,007.83	12.31	6.88	29.83	-91.86	4,859.90	4,362.95	4,347.81	15.14	288.200					
2,100.00	1,965.50	2,084.79	2,082.32	13.48	7.16	30.19	-92.52	4,855.82	4,305.82	4,289.83	16.00	269.165					
2,200.00	2,047.03	2,160.19	2,157.60	14.65	7.44	30.57	-93.29	4,851.68	4,248.85	4,231.97	16.88	251.742					
2,300.00	2,128.56	2,230.67	2,227.98	15.84	7.70	30.94	-94.34	4,847.89	4,192.15	4,174.38	17.76	236.004					
2,400.00	2,210.09	2,300.30	2,297.50	17.03	7.96	31.31	-95.50	4,844.28	4,135.76	4,117.10	18.66	221.581					
2,500.00	2,291.61	2,392.02	2,389.08	18.23	8.30	31.81	-97.06	4,839.50	4,079.53	4,059.88	19.65	207.610					
2,600.00	2,373.14	2,478.61	2,475.53	19.44	8.62	32.30	-98.52	4,834.70	4,023.23	4,002.59	20.64	194.959					
2,700.00	2,454.67	2,556.44	2,553.23	20.64	8.91	32.74	-99.65	4,830.32	3,967.02	3,945.41	21.61	183.545					
2,800.00	2,536.20	2,624.36	2,621.04	21.86	9.16	33.14	-100.36	4,826.60	3,911.09	3,888.51	22.58	173.217					
2,900.00	2,617.72	2,691.00	2,687.59	23.07	9.41	33.53	-101.23	4,823.24	3,855.69	3,832.13	23.56	163.655					
3,000.00	2,699.25	2,749.63	2,746.14	24.29	9.62	33.89	-102.07	4,820.51	3,800.82	3,776.28	24.54	154.898					
3,100.00	2,780.78	2,813.57	2,810.02	25.50	9.86	34.29	-102.87	4,817.75	3,746.42	3,720.88	25.55	146.644					
3,200.00	2,862.31	2,881.00	2,877.40	26.73	10.10	34.71	-103.47	4,815.22	3,692.63	3,666.05	26.58	138.900					
3,300.00	2,943.83	3,038.18	3,034.35	27.95	10.69	35.75	-105.52	4,807.04	3,637.73	3,609.86	27.87	130.517					
3,400.00	3,025.36	3,101.19	3,097.24	29.17	10.92	36.18	-106.50	4,803.33	3,582.88	3,553.94	28.94	123.807					
3,500.00	3,106.89	3,161.00	3,156.96	30.40	11.14	36.60	-107.54	4,800.21	3,528.78	3,498.76	30.02	117.547					
3,600.00	3,188.42	3,240.64	3,236.49	31.62	11.44	37.18	-109.01	4,796.24	3,475.18	3,444.00	31.17	111.487					
3,700.00	3,269.94	3,336.02	3,331.72	32.85	11.79	37.89	-110.52	4,791.16	3,421.56	3,389.18	32.38	105.672					
3,800.00	3,351.47	3,408.45	3,404.04	34.07	12.06	38.43	-111.27	4,787.20	3,368.07	3,334.51	33.55	100.381					
3,900.00	3,433.00	3,489.31	3,484.79	35.30	12.36	39.05	-111.92	4,782.99	3,315.03	3,280.26	34.77	95.351					
4,000.00	3,514.53	3,583.69	3,579.02	36.53	12.71	39.80	-112.45	4,777.77	3,262.01	3,225.98	36.03	90.536					
4,100.00	3,596.05	3,665.79	3,660.98	37.76	13.01	40.47	-112.95	4,772.87	3,209.01	3,171.72	37.29	86.050					
4,200.00	3,677.58	3,727.00	3,722.08	38.99	13.24	40.98	-113.07	4,769.37	3,156.50	3,117.96	38.54	81.910					
4,300.00	3,759.11	3,792.32	3,787.32	40.22	13.48	41.52	-112.91	4,766.03	3,104.71	3,064.90	39.81	77.987					
4,400.00	3,840.64	3,860.07	3,855.00	41.45	13.73	42.10	-112.70	4,763.03	3,053.77	3,012.65	41.12	74.273					
4,500.00	3,922.16	3,931.98	3,926.83	42.68	13.99	42.75	-113.48	4,759.68	3,003.35	2,960.89	42.47	70.724					
4,600.00	4,003.69	3,994.01	3,988.79	43.91	14.22	43.33	-114.46	4,757.00	2,953.72	2,909.89	43.83	67.392					
4,700.00	4,085.22	4,120.22	4,114.85	45.15	14.68	44.53	-115.70	4,751.09	2,904.14	2,858.80	45.34	64.051					
4,800.00	4,166.75	4,199.16	4,193.68	46.38	14.98	45.31	-116.09	4,746.83	2,854.37	2,807.58	46.79	61.001					
4,900.00	4,248.27	4,281.75	4,276.14	47.61	15.28	46.14	-116.35	4,742.34	2,805.02	2,756.74	48.28	58.099					
5,000.00	4,329.80	4,353.98	4,348.28	48.84	15.55	46.88	-116.34	4,738.51	2,756.21	2,706.43	49.78	55.367					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 225-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,411.33	4,431.00	4,425.20	50.08	15.83	47.69	-116.08	4,734.68	2,708.08	2,656.76	51.32	52.769		
5,200.00	4,492.86	4,505.34	4,499.45	51.31	16.10	48.49	-115.68	4,731.03	2,660.51	2,607.62	52.89	50.306		
5,300.00	4,574.38	4,574.00	4,568.04	52.54	16.35	49.24	-115.39	4,727.96	2,613.85	2,559.37	54.48	47.978		
5,400.00	4,655.91	4,638.47	4,632.46	53.78	16.59	49.97	-115.27	4,725.36	2,568.19	2,512.09	56.10	45.775		
5,500.00	4,737.44	4,711.15	4,705.08	55.01	16.85	50.81	-115.38	4,722.60	2,523.47	2,465.69	57.78	43.674		
5,600.00	4,818.97	4,788.70	4,782.57	56.24	17.14	51.75	-116.09	4,719.53	2,479.58	2,420.07	59.51	41.668		
5,700.00	4,900.49	4,870.27	4,864.07	57.48	17.43	52.76	-116.77	4,716.30	2,436.39	2,375.10	61.28	39.757		
5,800.00	4,982.02	4,950.19	4,943.93	58.71	17.73	53.78	-117.36	4,713.10	2,393.93	2,330.84	63.09	37.944		
5,900.00	5,063.55	4,998.89	4,992.60	59.95	17.90	54.41	-117.69	4,711.52	2,352.79	2,287.91	64.88	36.264		
6,000.00	5,145.08	5,055.24	5,048.94	61.18	18.10	55.14	-117.95	4,710.61	2,313.53	2,246.82	66.70	34.684		
6,100.00	5,226.60	5,153.61	5,147.30	62.42	18.45	56.42	-117.85	4,709.16	2,275.03	2,206.40	68.63	33.150		
6,200.00	5,308.13	5,231.00	5,224.68	63.65	18.72	57.46	-117.35	4,708.14	2,237.32	2,166.78	70.55	31.715		
6,300.00	5,389.66	5,308.18	5,301.85	64.89	18.99	58.50	-116.50	4,707.49	2,200.67	2,128.18	72.48	30.362		
6,400.00	5,471.19	5,382.07	5,375.73	66.12	19.23	59.51	-115.40	4,707.19	2,165.08	2,090.65	74.44	29.087		
6,500.00	5,552.72	5,465.06	5,458.71	67.36	19.51	60.67	-114.19	4,707.13	2,130.72	2,054.29	76.43	27.878		
6,600.00	5,634.24	5,534.59	5,528.24	68.59	19.75	61.68	-113.48	4,706.72	2,097.26	2,018.82	78.44	26.736		
6,700.00	5,715.77	5,580.87	5,574.52	69.83	19.90	62.35	-113.37	4,707.01	2,066.05	1,985.62	80.43	25.687		
6,800.00	5,797.30	5,657.05	5,650.68	71.06	20.14	63.49	-113.67	4,708.48	2,037.11	1,954.62	82.48	24.697		
6,900.00	5,878.83	5,747.90	5,741.52	72.30	20.43	64.86	-113.64	4,709.84	2,008.85	1,924.27	84.58	23.750		
7,000.00	5,960.35	5,827.37	5,820.99	73.53	20.68	66.09	-113.69	4,710.96	1,981.83	1,895.15	86.68	22.863		
7,100.00	6,041.88	5,907.56	5,901.17	74.77	20.95	67.39	-114.87	4,711.27	1,956.26	1,867.43	88.82	22.024		
7,200.00	6,123.41	5,998.65	5,992.25	76.01	21.26	68.91	-116.21	4,711.24	1,931.85	1,840.84	91.01	21.226		
7,300.00	6,204.94	6,082.31	6,075.89	77.24	21.54	70.32	-117.30	4,711.01	1,908.69	1,815.50	93.19	20.482		
7,400.00	6,286.46	6,174.16	6,167.74	78.48	21.86	71.91	-118.40	4,710.40	1,886.77	1,791.38	95.39	19.780		
7,500.00	6,367.99	6,258.49	6,252.07	79.71	22.16	73.38	-118.87	4,709.96	1,866.13	1,768.58	97.55	19.130		
7,600.00	6,449.52	6,330.94	6,324.52	80.95	22.41	74.66	-119.11	4,709.90	1,847.20	1,747.54	99.66	18.535		
7,700.00	6,531.05	6,411.18	6,404.75	82.19	22.68	76.09	-119.77	4,709.88	1,830.25	1,728.48	101.77	17.985		
7,800.00	6,612.57	6,456.00	6,449.57	83.42	22.84	76.90	-120.07	4,709.85	1,815.28	1,711.57	103.71	17.504		
7,900.00	6,694.10	6,517.87	6,511.40	84.66	23.04	77.97	-120.31	4,711.79	1,803.14	1,697.51	105.63	17.071		
8,000.00	6,775.63	6,550.00	6,543.42	85.89	23.14	78.50	-120.34	4,714.38	1,794.74	1,687.43	107.31	16.725		
8,100.00	6,857.16	6,606.59	6,599.44	87.13	23.31	79.34	-119.89	4,722.30	1,789.58	1,680.60	108.98	16.422		
8,196.42	6,935.77	6,645.00	6,636.97	88.32	23.42	79.83	-119.07	4,730.40	1,787.79	1,677.40	110.38	16.196		
8,200.00	6,938.68	6,645.00	6,636.97	88.37	23.42	79.83	-119.07	4,730.40	1,787.79	1,677.37	110.42	16.190		
8,300.00	7,020.21	6,686.28	6,676.76	89.60	23.53	80.30	-118.28	4,741.36	1,789.51	1,677.76	111.75	16.014		
8,310.57	7,028.83	6,690.00	6,680.31	89.73	23.54	80.34	-118.24	4,742.45	1,789.91	1,678.04	111.88	15.999		
8,350.00	7,060.23	6,703.80	6,693.45	90.25	23.58	78.35	-118.14	4,746.65	1,791.03	1,678.66	112.37	15.938		
8,400.00	7,097.77	6,738.00	6,725.68	90.98	23.67	76.72	-118.18	4,758.09	1,791.33	1,678.11	113.23	15.821		
8,450.00	7,132.48	6,738.00	6,725.68	91.79	23.67	75.24	-118.18	4,758.09	1,789.75	1,675.92	113.83	15.724		
8,500.00	7,164.10	6,765.04	6,750.83	92.67	23.74	74.66	-118.35	4,768.01	1,786.83	1,672.06	114.77	15.569		
8,550.00	7,192.40	6,791.57	6,775.26	93.63	23.81	74.50	-118.47	4,778.36	1,782.32	1,666.53	115.78	15.393		
8,600.00	7,217.15	6,833.00	6,812.88	94.64	23.93	75.03	-118.56	4,795.72	1,776.39	1,659.35	117.04	15.177		
8,650.00	7,238.16	6,852.64	6,830.41	95.70	23.98	75.49	-118.42	4,804.55	1,768.82	1,650.70	118.11	14.975		
8,700.00	7,255.29	6,905.50	6,876.15	96.80	24.13	76.94	-116.50	4,830.96	1,759.59	1,639.97	119.62	14.710		
8,750.00	7,268.39	6,948.39	6,911.55	97.92	24.26	78.50	-113.42	4,854.95	1,748.65	1,627.60	121.05	14.446		
8,800.00	7,277.37	6,982.74	6,939.08	99.06	24.37	80.19	-110.47	4,875.28	1,736.44	1,614.02	122.42	14.185		
8,850.00	7,282.15	7,016.37	6,965.33	100.20	24.47	82.15	-107.22	4,896.05	1,723.18	1,599.39	123.79	13.920		
8,881.61	7,283.00	7,021.00	6,968.89	100.91	24.49	83.09	-106.75	4,898.97	1,714.42	1,589.94	124.48	13.772		
8,900.00	7,283.00	7,021.00	6,968.89	101.33	24.49	83.09	-106.75	4,898.97	1,709.39	1,584.54	124.85	13.691		
9,000.00	7,283.00	7,063.05	7,000.21	103.59	24.66	84.16	-102.70	4,926.73	1,684.17	1,556.88	127.29	13.231		
9,100.00	7,283.00	7,116.00	7,036.83	105.87	24.87	85.42	-98.37	4,964.71	1,663.60	1,533.85	129.75	12.821		
9,200.00	7,283.00	7,143.49	7,054.48	108.18	25.01	86.04	-96.33	4,985.67	1,646.72	1,514.93	131.79	12.495		
9,300.00	7,283.00	7,208.00	7,091.93	110.50	25.35	87.35	-91.29	5,037.92	1,633.23	1,498.94	134.29	12.162		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 225-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,400.00	7,283.00	7,264.04	7,119.27	112.84	25.73	88.31	-87.07	5,086.62	1,622.66	1,486.01	136.66	11.874		
9,500.00	7,283.00	7,321.95	7,141.81	115.19	26.17	89.10	-83.42	5,139.81	1,615.04	1,476.02	139.02	11.617		
9,600.00	7,283.00	7,395.00	7,163.51	117.56	26.81	89.88	-80.50	5,209.47	1,610.45	1,468.71	141.74	11.362		
9,700.00	7,283.00	7,462.52	7,175.08	119.95	27.53	90.29	-78.80	5,275.89	1,607.79	1,463.36	144.43	11.132		
9,800.00	7,283.00	7,580.82	7,177.97	122.34	28.93	90.39	-75.47	5,394.07	1,605.18	1,456.58	148.60	10.802		
9,900.00	7,283.00	7,717.08	7,178.78	124.76	30.91	90.42	-68.06	5,530.12	1,599.63	1,446.03	153.60	10.415		
10,000.00	7,283.00	7,800.00	7,181.04	127.18	32.23	90.50	-63.93	5,612.91	1,594.78	1,437.61	157.17	10.147		
10,100.00	7,283.00	7,887.87	7,184.59	129.61	33.77	90.63	-60.34	5,700.63	1,590.86	1,429.82	161.04	9.879		
10,200.00	7,283.00	7,988.00	7,189.75	132.06	35.63	90.82	-55.94	5,800.53	1,586.69	1,421.27	165.42	9.592		
10,300.00	7,283.00	8,082.00	7,194.35	134.52	37.47	90.99	-52.17	5,894.34	1,582.93	1,413.23	169.69	9.328		
10,400.00	7,283.00	8,157.47	7,196.69	136.98	39.01	91.08	-50.17	5,969.74	1,580.45	1,407.08	173.37	9.116		
10,500.00	7,283.00	8,262.30	7,198.20	139.46	41.21	91.13	-48.02	6,074.54	1,578.59	1,400.40	178.19	8.859		
10,600.00	7,283.00	8,385.31	7,199.08	141.94	43.89	91.17	-43.99	6,197.48	1,575.46	1,391.70	183.77	8.573		
10,700.00	7,283.00	8,472.31	7,200.00	144.44	45.83	91.20	-40.95	6,284.42	1,572.16	1,384.10	188.06	8.360		
10,800.00	7,283.00	8,554.00	7,201.00	146.94	47.69	91.24	-39.19	6,366.09	1,570.15	1,377.98	192.17	8.171		
10,900.00	7,283.00	8,643.25	7,200.92	149.45	49.75	91.24	-38.13	6,455.33	1,569.09	1,372.47	196.61	7.981		
11,000.00	7,283.00	8,733.08	7,200.19	151.96	51.86	91.21	-37.39	6,545.15	1,568.42	1,367.31	201.11	7.799		
11,100.00	7,283.00	8,861.73	7,199.55	154.49	54.93	91.19	-35.65	6,673.78	1,567.23	1,359.98	207.25	7.562		
11,200.00	7,283.00	8,966.85	7,200.16	157.01	57.48	91.21	-32.77	6,778.86	1,564.66	1,352.21	212.45	7.365		
11,300.00	7,283.00	9,046.92	7,202.04	159.55	59.43	91.28	-30.99	6,858.88	1,562.69	1,346.03	216.65	7.213		
11,355.42	7,283.00	9,083.46	7,202.93	160.96	60.33	91.32	-30.69	6,895.42	1,562.35	1,343.71	218.64	7.146 CC		
11,400.00	7,283.00	9,123.00	7,203.75	162.09	61.31	91.35	-30.87	6,934.95	1,562.62	1,341.95	220.67	7.081		
11,500.00	7,283.00	9,204.62	7,204.91	164.64	63.33	91.39	-31.85	7,016.55	1,563.93	1,339.01	224.92	6.953		
11,600.00	7,283.00	9,299.75	7,205.29	167.19	65.71	91.40	-33.25	7,111.67	1,565.58	1,335.79	229.78	6.813		
11,700.00	7,283.00	9,406.39	7,204.93	169.75	68.39	91.39	-34.83	7,218.30	1,567.22	1,332.02	235.20	6.663		
11,800.00	7,283.00	9,488.01	7,205.41	172.31	70.45	91.40	-36.30	7,299.90	1,569.20	1,329.73	239.47	6.553		
11,900.00	7,283.00	9,594.81	7,206.79	174.88	73.17	91.45	-38.72	7,406.67	1,571.67	1,326.72	244.95	6.416		
12,000.00	7,283.00	9,689.00	7,208.09	177.45	75.57	91.50	-40.74	7,500.82	1,574.02	1,324.18	249.83	6.300		
12,100.00	7,283.00	9,794.14	7,209.75	180.03	78.27	91.55	-43.04	7,605.92	1,576.41	1,321.16	255.26	6.176		
12,200.00	7,283.00	9,902.53	7,209.93	182.61	81.06	91.56	-44.79	7,714.30	1,578.19	1,317.34	260.85	6.050		
12,300.00	7,283.00	9,997.38	7,210.07	185.19	83.52	91.56	-46.39	7,809.14	1,580.04	1,314.23	265.81	5.944		
12,400.00	7,283.00	10,094.97	7,210.43	187.78	86.05	91.57	-48.07	7,906.71	1,581.94	1,311.03	270.91	5.839		
12,500.00	7,283.00	10,182.59	7,209.52	190.37	88.32	91.54	-50.23	7,994.30	1,584.53	1,308.99	275.53	5.751		
12,600.00	7,283.00	10,298.15	7,207.60	192.97	91.34	91.47	-53.14	8,109.80	1,587.20	1,305.67	281.53	5.638		
12,700.00	7,283.00	10,434.79	7,205.46	195.57	94.91	91.39	-53.84	8,246.42	1,587.80	1,299.35	288.45	5.505		
12,800.00	7,283.00	10,546.97	7,205.16	198.17	97.85	91.38	-52.72	8,358.59	1,586.96	1,292.73	294.23	5.394		
12,900.00	7,283.00	10,633.54	7,204.85	200.77	100.12	91.37	-51.96	8,445.16	1,586.22	1,287.32	298.90	5.307		
12,969.30	7,283.00	10,697.72	7,204.54	202.58	101.80	91.36	-51.76	8,509.34	1,586.12	1,283.80	302.32	5.246		
13,000.00	7,283.00	10,726.36	7,204.65	203.38	102.56	91.36	-51.73	8,537.97	1,586.14	1,282.29	303.85	5.220		
13,100.00	7,283.00	10,842.27	7,206.05	205.99	105.61	91.41	-51.05	8,653.88	1,585.75	1,275.93	309.82	5.118		
13,200.00	7,283.00	10,938.41	7,206.72	208.61	108.15	91.44	-50.13	8,750.01	1,584.97	1,270.04	314.93	5.033		
13,300.00	7,283.00	11,030.94	7,207.39	211.22	110.59	91.46	-49.64	8,842.53	1,584.63	1,264.75	319.88	4.954		
13,400.00	7,283.00	11,137.09	7,207.84	213.84	113.40	91.48	-49.06	8,948.68	1,584.25	1,258.81	325.44	4.868		
13,500.00	7,283.00	11,239.72	7,207.39	216.47	116.12	91.46	-48.24	9,051.30	1,583.61	1,252.76	330.85	4.787		
13,600.00	7,283.00	11,339.17	7,209.04	219.09	118.75	91.52	-47.31	9,150.74	1,582.88	1,246.76	336.12	4.709		
13,700.00	7,283.00	11,436.93	7,210.85	221.72	121.35	91.59	-46.53	9,248.48	1,582.30	1,240.98	341.32	4.636		
13,800.00	7,283.00	11,534.73	7,211.70	224.34	123.95	91.62	-45.86	9,346.27	1,581.80	1,235.27	346.53	4.565		
13,900.00	7,283.00	11,647.34	7,211.87	226.97	126.94	91.63	-45.07	9,458.87	1,581.30	1,228.92	352.38	4.487		
13,971.51	7,283.00	11,700.00	7,211.84	228.86	128.34	91.63	-44.42	9,511.53	1,580.62	1,225.27	355.36	4.448 ES		
14,000.00	7,283.00	11,700.00	7,211.84	229.61	128.34	91.63	-44.42	9,511.53	1,580.88	1,225.35	355.53	4.447 SF		
14,100.00	7,283.00	11,700.00	7,211.84	232.24	128.34	91.63	-44.42	9,511.53	1,585.84	1,230.59	355.25	4.464		
14,200.00	7,283.00	11,700.00	7,211.84	234.88	128.34	91.63	-44.42	9,511.53	1,597.05	1,243.42	353.64	4.516		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 225-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,283.00	11,700.00	7,211.84	237.52	128.34	91.63	-44.42	9,511.53	1,614.40	1,263.64	350.76	4.603		
14,400.00	7,283.00	11,700.00	7,211.84	240.16	128.34	91.63	-44.42	9,511.53	1,637.68	1,290.95	346.73	4.723		
14,500.00	7,283.00	11,700.00	7,211.84	242.80	128.34	91.63	-44.42	9,511.53	1,666.64	1,324.95	341.69	4.878		
14,600.00	7,283.00	11,700.00	7,211.84	245.44	128.34	91.63	-44.42	9,511.53	1,700.99	1,365.19	335.80	5.065		
14,700.00	7,283.00	11,700.00	7,211.84	248.09	128.34	91.63	-44.42	9,511.53	1,740.42	1,411.19	329.23	5.286		
14,800.00	7,283.00	11,700.00	7,211.84	250.74	128.34	91.63	-44.42	9,511.53	1,784.59	1,462.45	322.14	5.540		
14,900.00	7,283.00	11,700.00	7,211.84	253.38	128.34	91.63	-44.42	9,511.53	1,833.16	1,518.48	314.68	5.825		
15,000.00	7,283.00	11,700.00	7,211.84	256.03	128.34	91.63	-44.42	9,511.53	1,885.78	1,578.80	306.98	6.143		
15,100.00	7,283.00	11,700.00	7,211.84	258.69	128.34	91.63	-44.42	9,511.53	1,942.13	1,642.96	299.17	6.492		
15,200.00	7,283.00	11,700.00	7,211.84	261.34	128.34	91.63	-44.42	9,511.53	2,001.89	1,710.55	291.34	6.871		
15,300.00	7,283.00	11,700.00	7,211.84	263.99	128.34	91.63	-44.42	9,511.53	2,064.77	1,781.20	283.57	7.281		
15,400.00	7,283.00	11,700.00	7,211.84	266.65	128.34	91.63	-44.42	9,511.53	2,130.49	1,854.55	275.93	7.721		
15,500.00	7,283.00	11,700.00	7,211.84	269.31	128.34	91.63	-44.42	9,511.53	2,198.79	1,930.32	268.47	8.190		
15,600.00	7,283.00	11,700.00	7,211.84	271.96	128.34	91.63	-44.42	9,511.53	2,269.44	2,008.23	261.22	8.688		
15,700.00	7,283.00	11,700.00	7,211.84	274.62	128.34	91.63	-44.42	9,511.53	2,342.24	2,088.03	254.20	9.214		
15,800.00	7,283.00	11,700.00	7,211.84	277.28	128.34	91.63	-44.42	9,511.53	2,416.97	2,169.53	247.44	9.768		
15,900.00	7,283.00	11,700.00	7,211.84	279.94	128.34	91.63	-44.42	9,511.53	2,493.48	2,252.53	240.95	10.349		
16,000.00	7,283.00	11,700.00	7,211.84	282.61	128.34	91.63	-44.42	9,511.53	2,571.61	2,336.88	234.73	10.956		
16,100.00	7,283.00	11,700.00	7,211.84	285.27	128.34	91.63	-44.42	9,511.53	2,651.20	2,422.43	228.77	11.589		
16,200.00	7,283.00	11,700.00	7,211.84	287.94	128.34	91.63	-44.42	9,511.53	2,732.13	2,509.06	223.08	12.247		
16,300.00	7,283.00	11,700.00	7,211.84	290.60	128.34	91.63	-44.42	9,511.53	2,814.30	2,596.65	217.64	12.931		
16,400.00	7,283.00	11,700.00	7,211.84	293.27	128.34	91.63	-44.42	9,511.53	2,897.58	2,685.12	212.46	13.638		
16,500.00	7,283.00	11,700.00	7,211.84	295.94	128.34	91.63	-44.42	9,511.53	2,981.89	2,774.37	207.52	14.369		
16,600.00	7,283.00	11,700.00	7,211.84	298.60	128.34	91.63	-44.42	9,511.53	3,067.14	2,864.33	202.82	15.123		
16,700.00	7,283.00	11,700.00	7,211.84	301.27	128.34	91.63	-44.42	9,511.53	3,153.26	2,954.93	198.33	15.899		
16,800.00	7,283.00	11,700.00	7,211.84	303.94	128.34	91.63	-44.42	9,511.53	3,240.18	3,046.12	194.06	16.697		
16,900.00	7,283.00	11,700.00	7,211.84	306.62	128.34	91.63	-44.42	9,511.53	3,327.83	3,137.84	189.99	17.516		
17,000.00	7,283.00	11,700.00	7,211.84	309.29	128.34	91.63	-44.42	9,511.53	3,416.16	3,230.05	186.11	18.355		
17,100.00	7,283.00	11,700.00	7,211.84	311.96	128.34	91.63	-44.42	9,511.53	3,505.12	3,322.70	182.42	19.215		
17,200.00	7,283.00	11,700.00	7,211.84	314.63	128.34	91.63	-44.42	9,511.53	3,594.66	3,415.76	178.90	20.093		
17,300.00	7,283.00	11,700.00	7,211.84	317.31	128.34	91.63	-44.42	9,511.53	3,684.73	3,509.19	175.54	20.991		
17,400.00	7,283.00	11,700.00	7,211.84	319.98	128.34	91.63	-44.42	9,511.53	3,775.31	3,602.97	172.34	21.906		
17,500.00	7,283.00	11,700.00	7,211.84	322.66	128.34	91.63	-44.42	9,511.53	3,866.35	3,697.06	169.29	22.839		
17,600.00	7,283.00	11,700.00	7,211.84	325.34	128.34	91.63	-44.42	9,511.53	3,957.82	3,791.45	166.37	23.789		
17,700.00	7,283.00	11,700.00	7,211.84	328.01	128.34	91.63	-44.42	9,511.53	4,049.70	3,886.11	163.59	24.756		
17,800.00	7,283.00	11,700.00	7,211.84	330.69	128.34	91.63	-44.42	9,511.53	4,141.95	3,981.02	160.93	25.738		
17,900.00	7,283.00	11,700.00	7,211.84	333.37	128.34	91.63	-44.42	9,511.53	4,234.55	4,076.17	158.39	26.736		
18,000.00	7,283.00	11,700.00	7,211.84	336.05	128.34	91.63	-44.42	9,511.53	4,327.49	4,171.53	155.96	27.748		
18,100.00	7,283.00	11,700.00	7,211.84	338.73	128.34	91.63	-44.42	9,511.53	4,420.73	4,267.10	153.63	28.775		
18,200.00	7,283.00	11,700.00	7,211.84	341.41	128.34	91.63	-44.42	9,511.53	4,514.26	4,362.85	151.41	29.815		
18,300.00	7,283.00	11,700.00	7,211.84	344.09	128.34	91.63	-44.42	9,511.53	4,608.06	4,458.78	149.28	30.869		
18,400.00	7,283.00	11,700.00	7,211.84	346.77	128.34	91.63	-44.42	9,511.53	4,702.12	4,554.88	147.24	31.935		
18,500.00	7,283.00	11,700.00	7,211.84	349.46	128.34	91.63	-44.42	9,511.53	4,796.42	4,651.13	145.29	33.013		
18,600.00	7,283.00	11,700.00	7,211.84	352.14	128.34	91.63	-44.42	9,511.53	4,890.94	4,747.53	143.42	34.103		
18,700.00	7,283.00	11,700.00	7,211.84	354.82	128.34	91.63	-44.42	9,511.53	4,985.68	4,844.06	141.62	35.204		
18,800.00	7,283.00	11,700.00	7,211.84	357.51	128.34	91.63	-44.42	9,511.53	5,080.62	4,940.72	139.90	36.316		
18,900.00	7,283.00	11,700.00	7,211.84	360.19	128.34	91.63	-44.42	9,511.53	5,175.75	5,037.51	138.25	37.439		
19,000.00	7,283.00	11,700.00	7,211.84	362.88	128.34	91.63	-44.42	9,511.53	5,271.07	5,134.41	136.66	38.571		
19,100.00	7,283.00	11,700.00	7,211.84	365.56	128.34	91.63	-44.42	9,511.53	5,366.55	5,231.41	135.14	39.712		
19,200.00	7,283.00	11,700.00	7,211.84	368.25	128.34	91.63	-44.42	9,511.53	5,462.19	5,328.52	133.67	40.863		
19,247.68	7,283.00	11,700.00	7,211.84	369.53	128.34	91.63	-44.42	9,511.53	5,507.84	5,374.85	132.99	41.414		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 195-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	0.00	0.00	0.27	0.00	90.65	-56.33	4,942.80	4,943.15	4,942.88	0.27	N/A		
200.00	200.00	153.17	153.16	0.63	0.25	90.66	-56.98	4,941.72	4,942.54	4,941.66	0.88	5,645.931		
300.00	299.98	395.91	395.77	0.98	1.05	21.14	-60.00	4,934.71	4,937.99	4,935.97	2.03	2,435.147		
400.00	399.84	495.37	495.14	1.34	1.41	21.22	-59.64	4,930.41	4,928.79	4,926.05	2.74	1,796.551		
500.00	499.45	592.34	592.02	1.71	1.76	21.34	-58.93	4,926.30	4,916.44	4,912.98	3.45	1,423.707		
600.00	598.70	758.16	757.62	2.10	2.37	21.55	-59.02	4,918.06	4,900.13	4,895.71	4.42	1,108.906		
700.00	697.47	844.89	844.22	2.51	2.69	21.75	-58.34	4,913.25	4,880.08	4,874.98	5.10	956.691		
800.00	795.62	927.36	926.58	2.95	2.99	21.99	-57.24	4,909.03	4,857.28	4,851.50	5.77	841.528		
900.00	893.06	1,047.72	1,046.75	3.43	3.43	22.30	-55.67	4,902.54	4,831.06	4,824.48	6.59	733.400		
1,000.00	989.64	1,127.71	1,126.61	3.95	3.73	22.62	-54.60	4,898.13	4,801.68	4,794.42	7.27	660.810		
1,100.00	1,085.27	1,191.00	1,189.82	4.52	3.96	22.96	-53.90	4,895.04	4,769.82	4,761.92	7.90	604.021		
1,200.00	1,179.82	1,306.15	1,304.83	5.14	4.38	23.43	-52.55	4,889.45	4,734.99	4,726.27	8.72	542.846		
1,300.00	1,273.17	1,393.06	1,391.62	5.81	4.70	23.91	-51.37	4,885.08	4,697.04	4,687.58	9.46	496.444		
1,400.00	1,365.21	1,475.00	1,473.47	6.54	5.00	24.45	-51.05	4,881.16	4,656.44	4,646.24	10.20	456.603		
1,500.00	1,455.84	1,551.64	1,550.02	7.33	5.28	25.04	-51.48	4,877.65	4,613.19	4,602.26	10.93	421.935		
1,600.00	1,544.94	1,638.36	1,636.65	8.19	5.60	25.74	-52.20	4,873.67	4,567.21	4,555.49	11.72	389.631		
1,700.00	1,632.39	1,690.19	1,688.43	9.12	5.79	26.38	-52.32	4,871.49	4,518.83	4,506.42	12.41	364.075		
1,800.00	1,718.11	1,749.00	1,747.20	10.11	6.00	27.10	-51.54	4,869.55	4,468.49	4,455.35	13.15	339.854		
1,900.00	1,801.97	2,120.37	2,117.58	11.18	7.38	29.04	-39.52	4,846.68	4,413.78	4,398.89	14.90	296.311		
1,969.27	1,858.92	2,174.78	2,171.70	11.96	7.59	29.78	-37.79	4,841.40	4,372.11	4,356.64	15.47	282.557		
2,000.00	1,883.98	2,195.71	2,192.53	12.31	7.67	29.87	-37.16	4,839.38	4,353.40	4,337.68	15.72	276.882		
2,100.00	1,965.50	2,310.31	2,306.52	13.48	8.11	30.40	-34.55	4,828.01	4,292.47	4,275.79	16.68	257.395		
2,200.00	2,047.03	2,416.18	2,411.75	14.65	8.53	30.94	-33.54	4,816.37	4,230.82	4,213.20	17.62	240.124		
2,300.00	2,128.56	2,446.59	2,441.99	15.84	8.65	31.09	-33.36	4,813.09	4,169.47	4,151.11	18.36	227.062		
2,400.00	2,210.09	2,478.33	2,473.57	17.03	8.77	31.26	-33.23	4,809.99	4,109.06	4,089.93	19.13	214.781		
2,500.00	2,291.61	2,510.00	2,505.12	18.23	8.89	31.43	-33.18	4,807.23	4,049.62	4,029.70	19.92	203.286		
2,600.00	2,373.14	2,573.18	2,568.10	19.44	9.13	31.78	-33.15	4,802.17	3,990.88	3,970.06	20.82	191.716		
2,700.00	2,454.67	2,634.50	2,629.24	20.64	9.36	32.12	-33.10	4,797.50	3,932.59	3,910.86	21.73	181.017		
2,800.00	2,536.20	2,700.00	2,694.57	21.86	9.61	32.49	-32.91	4,792.81	3,874.79	3,852.13	22.66	170.982		
2,900.00	2,617.72	2,788.94	2,783.29	23.07	9.95	33.00	-32.31	4,786.48	3,817.19	3,793.52	23.68	161.228		
3,000.00	2,699.25	2,885.42	2,879.48	24.29	10.32	33.56	-31.16	4,779.21	3,759.39	3,734.66	24.72	152.072		
3,100.00	2,780.78	2,939.77	2,933.67	25.50	10.52	33.89	-30.83	4,775.07	3,701.78	3,676.09	25.68	144.142		
3,200.00	2,862.31	2,984.00	2,977.78	26.73	10.69	34.18	-31.47	4,771.89	3,644.91	3,618.27	26.64	136.818		
3,300.00	2,943.83	3,031.26	3,024.94	27.95	10.86	34.50	-32.38	4,768.88	3,588.95	3,561.32	27.63	129.903		
3,400.00	3,025.36	3,077.00	3,070.61	29.17	11.03	34.81	-32.87	4,766.53	3,534.02	3,505.39	28.63	123.436		
3,500.00	3,106.89	3,152.83	3,146.36	30.40	11.31	35.32	-33.22	4,763.09	3,479.74	3,450.02	29.72	117.069		
3,600.00	3,188.42	3,224.96	3,218.42	31.62	11.57	35.81	-33.27	4,759.87	3,425.73	3,394.90	30.83	111.127		
3,700.00	3,269.94	3,302.06	3,295.45	32.85	11.85	36.34	-33.12	4,756.63	3,372.13	3,340.17	31.96	105.507		
3,800.00	3,351.47	3,360.00	3,353.34	34.07	12.06	36.75	-33.34	4,754.09	3,318.81	3,285.73	33.08	100.338		
3,900.00	3,433.00	3,424.57	3,417.85	35.30	12.30	37.23	-33.59	4,751.61	3,266.16	3,231.93	34.23	95.423		
4,000.00	3,514.53	3,525.89	3,519.12	36.53	12.66	37.97	-33.01	4,748.12	3,213.90	3,178.42	35.48	90.592		
4,100.00	3,596.05	3,657.18	3,650.24	37.76	13.15	38.98	-32.15	4,741.60	3,160.51	3,123.70	36.80	85.874		
4,200.00	3,677.58	3,726.56	3,719.51	38.99	13.40	39.55	-32.08	4,737.90	3,107.47	3,069.43	38.04	81.695		
4,300.00	3,759.11	3,816.37	3,809.20	40.22	13.73	40.29	-31.83	4,733.15	3,054.77	3,015.43	39.33	77.664		
4,400.00	3,840.64	3,873.52	3,866.27	41.45	13.94	40.78	-31.44	4,730.18	3,002.44	2,961.85	40.59	73.962		
4,500.00	3,922.16	3,924.00	3,916.71	42.68	14.13	41.21	-30.97	4,728.09	2,951.20	2,909.33	41.87	70.485		
4,600.00	4,003.69	3,993.71	3,986.36	43.91	14.38	41.82	-30.70	4,725.57	2,900.85	2,857.64	43.21	67.135		
4,700.00	4,085.22	4,066.74	4,059.35	45.15	14.64	42.49	-30.65	4,723.12	2,851.16	2,806.57	44.58	63.951		
4,800.00	4,166.75	4,152.58	4,145.14	46.38	14.95	43.25	-28.51	4,720.90	2,801.94	2,755.95	45.99	60.928		
4,900.00	4,248.27	4,233.48	4,225.98	47.61	15.24	43.98	-26.22	4,718.59	2,752.82	2,705.41	47.41	58.064		
5,000.00	4,329.80	4,298.00	4,290.46	48.84	15.46	44.58	-24.76	4,716.99	2,704.52	2,655.68	48.85	55.368		
5,100.00	4,411.33	4,432.76	4,425.09	50.08	15.95	45.96	-23.70	4,711.42	2,655.64	2,605.20	50.44	52.654		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 195-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,492.86	4,488.00	4,480.26	51.31	16.16	46.55	-23.81	4,708.58	2,607.03	2,555.07	51.96	50.178		
5,300.00	4,574.38	4,545.98	4,538.17	52.54	16.37	47.20	-24.31	4,705.99	2,559.65	2,506.13	53.52	47.829		
5,400.00	4,655.91	4,584.00	4,576.17	53.78	16.51	47.64	-24.95	4,704.70	2,513.96	2,458.88	55.08	45.644		
5,500.00	4,737.44	4,654.40	4,646.52	55.01	16.75	48.46	-26.49	4,702.93	2,469.62	2,412.89	56.73	43.529		
5,600.00	4,818.97	4,712.16	4,704.27	56.24	16.95	49.15	-27.85	4,702.03	2,426.70	2,368.31	58.40	41.556		
5,700.00	4,900.49	4,771.00	4,763.10	57.48	17.14	49.85	-28.91	4,701.86	2,385.27	2,325.18	60.08	39.699		
5,800.00	4,982.02	4,852.82	4,844.90	58.71	17.41	50.84	-30.11	4,702.16	2,344.93	2,283.08	61.84	37.917		
5,900.00	5,063.55	4,929.64	4,921.72	59.95	17.66	51.80	-31.36	4,702.40	2,305.37	2,241.74	63.63	36.228		
6,000.00	5,145.08	5,024.49	5,016.54	61.18	17.97	53.02	-33.23	4,702.51	2,266.62	2,201.11	65.51	34.599		
6,100.00	5,226.60	5,104.51	5,096.55	62.42	18.23	54.08	-34.55	4,702.22	2,228.24	2,160.84	67.39	33.063		
6,200.00	5,308.13	5,176.70	5,168.74	63.65	18.47	55.04	-35.07	4,702.64	2,191.05	2,121.77	69.28	31.627		
6,300.00	5,389.66	5,252.63	5,244.67	64.89	18.71	56.06	-35.42	4,703.54	2,155.09	2,083.89	71.20	30.270		
6,400.00	5,471.19	5,343.74	5,335.77	66.12	19.00	57.32	-35.89	4,704.45	2,119.95	2,046.77	73.18	28.969		
6,500.00	5,552.72	5,429.94	5,421.96	67.36	19.27	58.55	-36.27	4,705.04	2,085.54	2,010.34	75.19	27.736		
6,600.00	5,634.24	5,515.18	5,507.20	68.59	19.55	59.77	-35.84	4,705.98	2,052.01	1,974.79	77.22	26.573		
6,700.00	5,715.77	5,613.44	5,605.45	69.83	19.87	61.20	-34.44	4,707.12	2,019.13	1,939.84	79.29	25.464		
6,800.00	5,797.30	5,697.83	5,689.83	71.06	20.15	62.47	-33.27	4,707.60	1,986.95	1,905.57	81.38	24.415		
6,900.00	5,878.83	5,768.47	5,760.45	72.30	20.39	63.57	-32.71	4,707.85	1,956.07	1,872.58	83.49	23.429		
7,000.00	5,960.35	5,840.10	5,832.08	73.53	20.63	64.73	-33.08	4,707.94	1,926.95	1,841.32	85.63	22.504		
7,100.00	6,041.88	5,919.22	5,911.20	74.77	20.89	66.03	-33.66	4,708.25	1,899.42	1,811.63	87.80	21.634		
7,200.00	6,123.41	6,008.50	6,000.48	76.01	21.18	67.53	-33.95	4,708.64	1,873.08	1,783.08	90.00	20.813		
7,300.00	6,204.94	6,088.00	6,079.98	77.24	21.45	68.89	-34.28	4,708.73	1,848.02	1,755.83	92.19	20.046		
7,400.00	6,286.46	6,144.47	6,136.45	78.48	21.64	69.89	-35.06	4,708.82	1,825.08	1,730.75	94.33	19.348		
7,500.00	6,367.99	6,183.00	6,174.96	79.71	21.77	70.58	-36.10	4,709.06	1,805.03	1,708.67	96.36	18.731		
7,600.00	6,449.52	6,183.00	6,174.96	80.95	21.77	70.58	-36.10	4,709.06	1,789.74	1,691.66	98.07	18.249		
7,700.00	6,531.05	6,240.77	6,232.55	82.19	21.95	71.56	-38.05	4,712.76	1,776.90	1,676.90	100.00	17.769		
7,800.00	6,612.57	6,276.00	6,267.33	83.42	22.05	72.09	-39.33	4,718.16	1,769.32	1,667.66	101.65	17.405		
7,900.00	6,694.10	6,309.83	6,300.42	84.66	22.15	72.57	-40.46	4,725.14	1,765.62	1,662.47	103.15	17.118		
7,962.80	6,745.30	6,340.11	6,329.77	85.43	22.23	72.96	-41.27	4,732.49	1,765.00	1,660.90	104.10	16.956		
8,000.00	6,775.63	6,370.00	6,358.49	85.89	22.32	73.32	-41.87	4,740.76	1,765.28	1,660.53	104.75	16.853		
8,100.00	6,857.16	6,400.59	6,387.61	87.13	22.40	73.66	-42.58	4,750.08	1,768.02	1,662.07	105.95	16.687		
8,200.00	6,938.68	6,465.00	6,448.13	88.37	22.58	74.35	-45.27	4,771.95	1,774.73	1,667.31	107.41	16.522		
8,300.00	7,020.21	6,465.00	6,448.13	89.60	22.58	74.35	-45.27	4,771.95	1,784.29	1,676.34	107.95	16.529		
8,310.57	7,028.83	6,490.08	6,471.34	89.73	22.65	74.59	-46.62	4,781.34	1,785.29	1,676.94	108.35	16.478		
8,350.00	7,060.23	6,509.76	6,489.39	90.25	22.70	72.43	-47.67	4,789.13	1,789.22	1,680.40	108.82	16.443		
8,400.00	7,097.77	6,534.60	6,511.94	90.98	22.77	70.39	-48.96	4,799.47	1,792.36	1,682.87	109.49	16.370		
8,450.00	7,132.48	6,560.00	6,534.72	91.79	22.84	69.02	-50.25	4,810.62	1,793.46	1,683.19	110.27	16.264		
8,500.00	7,164.10	6,560.00	6,534.72	92.67	22.84	67.80	-50.25	4,810.62	1,792.84	1,682.11	110.73	16.191		
8,550.00	7,192.40	6,597.54	6,567.66	93.63	22.96	67.57	-52.12	4,828.52	1,789.92	1,678.03	111.89	15.998		
8,600.00	7,217.15	6,616.33	6,583.74	94.64	23.01	67.44	-53.02	4,838.20	1,785.43	1,672.62	112.81	15.827		
8,650.00	7,238.16	6,654.00	6,615.09	95.70	23.13	67.99	-54.80	4,859.00	1,779.42	1,665.29	114.13	15.592		
8,700.00	7,255.29	6,654.00	6,615.09	96.80	23.13	68.18	-54.80	4,859.00	1,771.29	1,656.43	114.86	15.421		
8,750.00	7,268.39	6,654.00	6,615.09	97.92	23.13	68.61	-54.80	4,859.00	1,761.99	1,646.36	115.63	15.239		
8,800.00	7,277.37	6,695.72	6,648.27	99.06	23.28	70.22	-56.45	4,884.22	1,750.70	1,633.45	117.25	14.932		
8,850.00	7,282.15	6,716.78	6,664.34	100.20	23.35	71.67	-57.07	4,897.82	1,738.17	1,619.66	118.51	14.666		
8,881.61	7,283.00	6,748.00	6,687.27	100.91	23.46	73.17	-57.72	4,918.98	1,729.72	1,610.04	119.67	14.453		
8,900.00	7,283.00	6,748.00	6,687.27	101.33	23.46	73.17	-57.72	4,918.98	1,724.52	1,604.51	120.01	14.370		
9,000.00	7,283.00	6,783.46	6,712.15	103.59	23.63	74.00	-58.18	4,944.25	1,698.91	1,576.43	122.48	13.871		
9,100.00	7,283.00	6,843.00	6,751.36	105.87	23.90	75.32	-58.49	4,989.04	1,676.84	1,551.47	125.37	13.375		
9,200.00	7,283.00	6,873.75	6,770.31	108.18	24.09	75.96	-58.68	5,013.25	1,658.30	1,530.70	127.60	12.996		
9,300.00	7,283.00	6,912.16	6,792.73	110.50	24.32	76.73	-59.39	5,044.42	1,643.86	1,513.98	129.88	12.657		
9,400.00	7,283.00	6,937.00	6,806.45	112.84	24.47	77.21	-60.14	5,065.11	1,633.56	1,501.90	131.67	12.407		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 195-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,500.00	7,283.00	7,006.53	6,840.69	115.19	25.01	78.41	-62.79	5,125.53	1,626.47	1,491.85	134.62	12.082		
9,600.00	7,283.00	7,063.18	6,863.56	117.56	25.52	79.22	-65.28	5,177.28	1,622.74	1,485.59	137.15	11.832		
9,692.60	7,283.00	7,125.00	6,883.62	119.77	26.12	79.94	-68.31	5,235.65	1,621.76	1,482.03	139.73	11.606		
9,700.00	7,283.00	7,125.00	6,883.62	119.95	26.12	79.94	-68.31	5,235.65	1,621.76	1,481.99	139.78	11.603		
9,800.00	7,283.00	7,217.00	6,904.05	122.34	27.20	80.67	-72.26	5,325.21	1,622.43	1,479.01	143.41	11.313		
9,900.00	7,283.00	7,277.30	6,911.71	124.76	28.02	80.95	-74.72	5,384.96	1,624.60	1,478.58	146.01	11.126		
10,000.00	7,283.00	7,369.74	6,917.23	127.18	29.36	81.17	-79.36	5,477.10	1,628.76	1,479.02	149.74	10.877		
10,100.00	7,283.00	7,515.01	6,920.81	129.61	31.73	81.32	-83.43	5,622.25	1,631.35	1,475.85	155.51	10.491		
10,200.00	7,283.00	7,669.36	6,920.00	132.06	34.55	81.28	-81.83	5,776.58	1,630.46	1,468.76	161.69	10.084		
10,300.00	7,283.00	7,776.38	6,919.06	134.52	36.65	81.24	-78.67	5,883.55	1,627.83	1,461.47	166.35	9.785		
10,400.00	7,283.00	7,899.94	6,917.86	136.98	39.20	81.17	-74.32	6,007.02	1,624.71	1,453.02	171.69	9.463		
10,500.00	7,283.00	8,027.19	6,914.73	139.46	41.94	81.02	-66.17	6,133.96	1,618.70	1,441.51	177.19	9.135		
10,600.00	7,283.00	8,092.00	6,913.49	141.94	43.36	80.96	-63.00	6,198.69	1,614.21	1,433.59	180.61	8.937		
10,700.00	7,283.00	8,187.00	6,911.90	144.44	45.51	80.88	-58.81	6,293.58	1,610.29	1,425.15	185.14	8.698		
10,800.00	7,283.00	8,260.02	6,910.43	146.94	47.19	80.81	-56.02	6,366.53	1,607.22	1,418.35	188.87	8.510		
10,900.00	7,283.00	8,367.24	6,908.07	149.45	49.69	80.72	-53.98	6,473.70	1,605.90	1,411.96	193.94	8.280		
11,000.00	7,283.00	8,467.57	6,907.40	151.96	52.08	80.68	-51.51	6,573.99	1,603.74	1,404.92	198.82	8.066		
11,100.00	7,283.00	8,543.91	6,907.16	154.49	53.92	80.67	-50.27	6,650.32	1,602.35	1,399.58	202.77	7.902		
11,200.00	7,283.00	8,637.06	6,905.71	157.01	56.18	80.61	-49.62	6,743.45	1,602.07	1,394.67	207.40	7.725		
11,300.00	7,283.00	8,758.59	6,904.52	159.55	59.17	80.56	-48.28	6,864.97	1,601.33	1,388.10	213.24	7.510		
11,400.00	7,283.00	8,835.48	6,902.95	162.09	61.08	80.50	-47.31	6,941.84	1,600.57	1,383.33	217.23	7.368		
11,500.00	7,283.00	8,959.22	6,899.96	164.64	64.17	80.39	-45.36	7,065.52	1,599.54	1,376.37	223.18	7.167		
11,600.00	7,283.00	9,038.00	6,898.88	167.19	66.15	80.35	-44.65	7,144.29	1,598.95	1,371.66	227.29	7.035		
11,700.00	7,283.00	9,147.49	6,898.34	169.75	68.92	80.33	-44.12	7,253.77	1,598.76	1,366.01	232.75	6.869		
11,800.00	7,283.00	9,251.07	6,898.55	172.31	71.56	80.33	-43.04	7,357.35	1,597.86	1,359.88	237.98	6.714		
11,900.00	7,283.00	9,346.32	6,899.33	174.88	73.99	80.35	-41.74	7,452.59	1,596.55	1,353.66	242.89	6.573		
11,935.69	7,283.00	9,369.44	6,899.56	175.80	74.59	80.36	-41.64	7,475.71	1,596.41	1,352.24	244.17	6.538 CC		
12,000.00	7,283.00	9,415.00	6,900.03	177.45	75.76	80.38	-42.01	7,521.26	1,596.87	1,350.24	246.63	6.475		
12,100.00	7,283.00	9,508.82	6,900.37	180.03	78.18	80.40	-43.39	7,615.07	1,598.42	1,346.93	251.49	6.356		
12,200.00	7,283.00	9,638.95	6,899.23	182.61	81.54	80.36	-43.17	7,745.19	1,598.42	1,340.47	257.95	6.197		
12,225.77	7,283.00	9,659.55	6,898.90	183.27	82.08	80.34	-43.04	7,765.79	1,598.38	1,339.34	259.04	6.170		
12,300.00	7,283.00	9,720.81	6,897.63	185.19	83.67	80.30	-43.01	7,827.04	1,598.71	1,336.47	262.24	6.096		
12,400.00	7,283.00	9,816.55	6,895.42	187.78	86.16	80.23	-43.61	7,922.75	1,599.87	1,332.73	267.14	5.989		
12,500.00	7,283.00	9,925.61	6,892.85	190.37	89.00	80.13	-43.34	8,031.78	1,600.15	1,327.51	272.64	5.869		
12,600.00	7,283.00	10,006.72	6,891.61	192.97	91.12	80.10	-44.07	8,112.87	1,601.42	1,324.51	276.90	5.783		
12,700.00	7,283.00	10,108.67	6,889.94	195.57	93.80	80.05	-45.20	8,214.80	1,602.95	1,320.82	282.13	5.682		
12,800.00	7,283.00	10,202.46	6,890.27	198.17	96.26	80.07	-46.82	8,308.58	1,604.76	1,317.71	287.04	5.591		
12,900.00	7,283.00	10,311.20	6,892.00	200.77	99.13	80.14	-49.04	8,417.28	1,606.68	1,313.96	292.72	5.489		
13,000.00	7,283.00	10,407.78	6,893.13	203.38	101.68	80.19	-50.12	8,513.84	1,607.76	1,309.96	297.80	5.399		
13,100.00	7,283.00	10,494.38	6,893.61	205.99	103.96	80.22	-52.17	8,600.42	1,610.11	1,307.71	302.40	5.324		
13,200.00	7,283.00	10,593.76	6,892.79	208.61	106.59	80.20	-54.02	8,699.77	1,612.25	1,304.69	307.57	5.242		
13,300.00	7,283.00	10,689.00	6,891.12	211.22	109.12	80.16	-56.53	8,794.96	1,615.29	1,302.78	312.51	5.169		
13,400.00	7,283.00	10,816.74	6,887.68	213.84	112.51	80.05	-58.06	8,922.65	1,617.06	1,298.10	318.96	5.070		
13,500.00	7,283.00	10,936.14	6,888.23	216.47	115.68	80.08	-58.54	9,042.04	1,617.54	1,292.45	325.09	4.976		
13,513.50	7,283.00	10,952.25	6,888.64	216.82	116.10	80.09	-58.55	9,058.14	1,617.51	1,291.59	325.92	4.963		
13,600.00	7,283.00	11,029.00	6,890.46	219.09	118.15	80.16	-58.96	9,134.87	1,617.73	1,287.64	330.08	4.901		
13,700.00	7,283.00	11,121.00	6,892.31	221.72	120.59	80.23	-59.77	9,226.85	1,618.41	1,283.38	335.03	4.831		
13,800.00	7,283.00	11,306.33	6,897.06	224.34	125.53	80.38	-57.63	9,412.08	1,617.35	1,273.47	343.88	4.703		
13,900.00	7,283.00	11,408.97	6,901.32	226.97	128.25	80.51	-53.37	9,514.54	1,612.73	1,263.39	349.34	4.617		
13,975.53	7,283.00	11,410.00	6,901.37	228.96	128.28	80.51	-53.33	9,515.57	1,610.96	1,260.61	350.35	4.598 ES		
14,000.00	7,283.00	11,410.00	6,901.37	229.61	128.28	80.51	-53.33	9,515.57	1,611.15	1,260.64	350.51	4.597 SF		
14,100.00	7,283.00	11,410.00	6,901.37	232.24	128.28	80.51	-53.33	9,515.57	1,615.76	1,265.42	350.35	4.612		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 195-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)						
14,200.00	7,283.00	11,410.00	6,901.37	234.88	128.28	80.51	-53.33	9,515.57	1,626.53	1,277.62	348.90	4.662		
14,300.00	7,283.00	11,410.00	6,901.37	237.52	128.28	80.51	-53.33	9,515.57	1,643.31	1,297.06	346.25	4.746		
14,400.00	7,283.00	11,410.00	6,901.37	240.16	128.28	80.51	-53.33	9,515.57	1,665.94	1,323.45	342.50	4.864		
14,500.00	7,283.00	11,410.00	6,901.37	242.80	128.28	80.51	-53.33	9,515.57	1,694.19	1,356.42	337.76	5.016		
14,600.00	7,283.00	11,410.00	6,901.37	245.44	128.28	80.51	-53.33	9,515.57	1,727.76	1,395.56	332.20	5.201		
14,700.00	7,283.00	11,410.00	6,901.37	248.09	128.28	80.51	-53.33	9,515.57	1,766.37	1,440.41	325.96	5.419		
14,800.00	7,283.00	11,410.00	6,901.37	250.74	128.28	80.51	-53.33	9,515.57	1,809.68	1,490.49	319.19	5.670		
14,900.00	7,283.00	11,410.00	6,901.37	253.38	128.28	80.51	-53.33	9,515.57	1,857.38	1,545.33	312.05	5.952		
15,000.00	7,283.00	11,410.00	6,901.37	256.03	128.28	80.51	-53.33	9,515.57	1,909.12	1,604.47	304.65	6.267		
15,100.00	7,283.00	11,410.00	6,901.37	258.69	128.28	80.51	-53.33	9,515.57	1,964.59	1,667.48	297.12	6.612		
15,200.00	7,283.00	11,410.00	6,901.37	261.34	128.28	80.51	-53.33	9,515.57	2,023.49	1,733.95	289.54	6.989		
15,300.00	7,283.00	11,410.00	6,901.37	263.99	128.28	80.51	-53.33	9,515.57	2,085.53	1,803.52	282.01	7.395		
15,400.00	7,283.00	11,410.00	6,901.37	266.65	128.28	80.51	-53.33	9,515.57	2,150.42	1,875.85	274.57	7.832		
15,500.00	7,283.00	11,410.00	6,901.37	269.31	128.28	80.51	-53.33	9,515.57	2,217.93	1,950.63	267.30	8.298		
15,600.00	7,283.00	11,410.00	6,901.37	271.96	128.28	80.51	-53.33	9,515.57	2,287.82	2,027.61	260.21	8.792		
15,700.00	7,283.00	11,410.00	6,901.37	274.62	128.28	80.51	-53.33	9,515.57	2,359.87	2,106.54	253.34	9.315		
15,800.00	7,283.00	11,410.00	6,901.37	277.28	128.28	80.51	-53.33	9,515.57	2,433.90	2,187.20	246.70	9.866		
15,900.00	7,283.00	11,410.00	6,901.37	279.94	128.28	80.51	-53.33	9,515.57	2,509.74	2,269.42	240.31	10.444		
16,000.00	7,283.00	11,410.00	6,901.37	282.61	128.28	80.51	-53.33	9,515.57	2,587.21	2,353.04	234.18	11.048		
16,100.00	7,283.00	11,410.00	6,901.37	285.27	128.28	80.51	-53.33	9,515.57	2,666.19	2,437.89	228.30	11.679		
16,200.00	7,283.00	11,410.00	6,901.37	287.94	128.28	80.51	-53.33	9,515.57	2,746.54	2,523.87	222.67	12.335		
16,300.00	7,283.00	11,410.00	6,901.37	290.60	128.28	80.51	-53.33	9,515.57	2,828.14	2,610.85	217.29	13.015		
16,400.00	7,283.00	11,410.00	6,901.37	293.27	128.28	80.51	-53.33	9,515.57	2,910.89	2,698.73	212.15	13.721		
16,500.00	7,283.00	11,410.00	6,901.37	295.94	128.28	80.51	-53.33	9,515.57	2,994.69	2,787.44	207.25	14.450		
16,600.00	7,283.00	11,410.00	6,901.37	298.60	128.28	80.51	-53.33	9,515.57	3,079.45	2,876.88	202.57	15.202		
16,700.00	7,283.00	11,410.00	6,901.37	301.27	128.28	80.51	-53.33	9,515.57	3,165.11	2,967.00	198.11	15.977		
16,800.00	7,283.00	11,410.00	6,901.37	303.94	128.28	80.51	-53.33	9,515.57	3,251.59	3,057.73	193.85	16.773		
16,900.00	7,283.00	11,410.00	6,901.37	306.62	128.28	80.51	-53.33	9,515.57	3,338.82	3,149.02	189.80	17.592		
17,000.00	7,283.00	11,410.00	6,901.37	309.29	128.28	80.51	-53.33	9,515.57	3,426.75	3,240.82	185.93	18.431		
17,100.00	7,283.00	11,410.00	6,901.37	311.96	128.28	80.51	-53.33	9,515.57	3,515.33	3,333.09	182.24	19.290		
17,200.00	7,283.00	11,410.00	6,901.37	314.63	128.28	80.51	-53.33	9,515.57	3,604.50	3,425.78	178.72	20.169		
17,300.00	7,283.00	11,410.00	6,901.37	317.31	128.28	80.51	-53.33	9,515.57	3,694.23	3,518.87	175.36	21.067		
17,400.00	7,283.00	11,410.00	6,901.37	319.98	128.28	80.51	-53.33	9,515.57	3,784.47	3,612.32	172.15	21.984		
17,500.00	7,283.00	11,410.00	6,901.37	322.66	128.28	80.51	-53.33	9,515.57	3,875.19	3,706.10	169.09	22.918		
17,600.00	7,283.00	11,410.00	6,901.37	325.34	128.28	80.51	-53.33	9,515.57	3,966.36	3,800.20	166.16	23.871		
17,700.00	7,283.00	11,410.00	6,901.37	328.01	128.28	80.51	-53.33	9,515.57	4,057.94	3,894.57	163.37	24.840		
17,800.00	7,283.00	11,410.00	6,901.37	330.69	128.28	80.51	-53.33	9,515.57	4,149.91	3,989.22	160.69	25.825		
17,900.00	7,283.00	11,410.00	6,901.37	333.37	128.28	80.51	-53.33	9,515.57	4,242.25	4,084.11	158.14	26.826		
18,000.00	7,283.00	11,410.00	6,901.37	336.05	128.28	80.51	-53.33	9,515.57	4,334.92	4,179.23	155.70	27.842		
18,100.00	7,283.00	11,410.00	6,901.37	338.73	128.28	80.51	-53.33	9,515.57	4,427.92	4,274.56	153.36	28.873		
18,200.00	7,283.00	11,410.00	6,901.37	341.41	128.28	80.51	-53.33	9,515.57	4,521.21	4,370.09	151.12	29.919		
18,300.00	7,283.00	11,410.00	6,901.37	344.09	128.28	80.51	-53.33	9,515.57	4,614.78	4,465.81	148.97	30.978		
18,400.00	7,283.00	11,410.00	6,901.37	346.77	128.28	80.51	-53.33	9,515.57	4,708.62	4,561.71	146.92	32.050		
18,500.00	7,283.00	11,410.00	6,901.37	349.46	128.28	80.51	-53.33	9,515.57	4,802.71	4,657.77	144.94	33.135		
18,600.00	7,283.00	11,410.00	6,901.37	352.14	128.28	80.51	-53.33	9,515.57	4,897.03	4,753.98	143.05	34.232		
18,700.00	7,283.00	11,410.00	6,901.37	354.82	128.28	80.51	-53.33	9,515.57	4,991.57	4,850.33	141.24	35.341		
18,800.00	7,283.00	11,410.00	6,901.37	357.51	128.28	80.51	-53.33	9,515.57	5,086.33	4,946.82	139.50	36.461		
18,900.00	7,283.00	11,410.00	6,901.37	360.19	128.28	80.51	-53.33	9,515.57	5,181.27	5,043.44	137.83	37.592		
19,000.00	7,283.00	11,410.00	6,901.37	362.88	128.28	80.51	-53.33	9,515.57	5,276.41	5,140.18	136.22	38.733		
19,100.00	7,283.00	11,410.00	6,901.37	365.56	128.28	80.51	-53.33	9,515.57	5,371.72	5,237.04	134.68	39.884		
19,200.00	7,283.00	11,410.00	6,901.37	368.25	128.28	80.51	-53.33	9,515.57	5,467.20	5,334.00	133.20	41.045		
19,247.68	7,283.00	11,410.00	6,901.37	369.53	128.28	80.51	-53.33	9,515.57	5,512.78	5,380.26	132.51	41.602		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 195-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	0.00	0.00	0.27	0.00	91.11	-95.77	4,942.81	4,943.76	4,943.50	0.27	N/A		
116.00	116.00	0.00	0.00	0.33	0.00	91.11	-95.77	4,942.81	4,943.74	4,943.41	0.33	N/A		
200.00	200.00	76.45	76.45	0.63	0.12	91.11	-95.83	4,942.87	4,943.80	4,943.05	0.75	6,588.134		
300.00	299.98	167.44	167.44	0.98	0.27	21.52	-96.06	4,943.09	4,942.42	4,941.17	1.25	3,949.707		
400.00	399.84	540.99	540.67	1.34	1.55	21.76	-104.31	4,933.57	4,934.88	4,931.98	2.90	1,702.099		
500.00	499.45	655.00	654.36	1.71	1.98	21.97	-109.82	4,927.21	4,921.32	4,917.64	3.68	1,336.790		
600.00	598.70	715.27	714.45	2.10	2.21	22.17	-113.23	4,924.14	4,905.03	4,900.76	4.27	1,148.645		
700.00	697.47	818.34	817.25	2.51	2.60	22.46	-119.07	4,919.23	4,885.97	4,880.95	5.02	972.337		
800.00	795.62	939.00	937.59	2.95	3.05	22.81	-124.69	4,912.70	4,863.08	4,857.23	5.85	831.532		
900.00	893.06	1,016.98	1,015.40	3.43	3.34	23.14	-127.56	4,908.42	4,837.09	4,830.57	6.52	742.036		
1,000.00	989.64	1,066.94	1,065.26	3.95	3.53	23.47	-129.72	4,906.09	4,808.84	4,801.74	7.10	677.466		
1,100.00	1,085.27	1,128.00	1,126.19	4.52	3.76	23.86	-133.05	4,903.97	4,778.58	4,770.85	7.73	618.065		
1,200.00	1,179.82	1,223.91	1,221.86	5.14	4.12	24.38	-139.05	4,900.89	4,745.76	4,737.25	8.51	557.686		
1,300.00	1,273.17	1,335.16	1,332.82	5.81	4.54	25.01	-145.84	4,896.63	4,709.45	4,700.09	9.36	503.170		
1,400.00	1,365.21	1,426.52	1,423.95	6.54	4.89	25.66	-151.23	4,892.96	4,670.12	4,659.97	10.15	460.015		
1,500.00	1,455.84	1,529.89	1,527.07	7.33	5.28	26.41	-157.08	4,888.72	4,627.95	4,616.94	11.01	420.499		
1,600.00	1,544.94	1,641.40	1,638.29	8.19	5.70	27.27	-163.19	4,883.36	4,582.40	4,570.49	11.91	384.837		
1,700.00	1,632.39	1,724.31	1,720.98	9.12	6.02	28.12	-167.57	4,879.33	4,534.22	4,521.49	12.73	356.197		
1,800.00	1,718.11	1,808.04	1,804.46	10.11	6.34	29.06	-172.55	4,875.20	4,483.49	4,469.91	13.58	330.113		
1,900.00	1,801.97	1,920.68	1,916.68	11.18	6.78	30.26	-180.09	4,869.04	4,429.89	4,415.33	14.57	304.124		
1,969.27	1,858.92	1,986.24	1,981.93	11.96	7.03	31.11	-184.92	4,865.03	4,391.08	4,375.86	15.22	288.420		
2,000.00	1,883.98	2,002.39	1,998.00	12.31	7.10	31.21	-186.11	4,864.07	4,373.67	4,358.20	15.48	282.612		
2,100.00	1,965.50	2,057.07	2,052.46	13.48	7.31	31.54	-190.03	4,861.00	4,317.43	4,301.13	16.31	264.750		
2,200.00	2,047.03	2,115.81	2,110.98	14.65	7.54	31.89	-194.20	4,857.97	4,261.77	4,244.59	17.18	248.122		
2,300.00	2,128.56	2,172.97	2,167.94	15.84	7.76	32.24	-198.13	4,855.29	4,206.67	4,188.61	18.06	232.928		
2,400.00	2,210.09	2,234.69	2,229.49	17.03	8.00	32.61	-201.88	4,852.76	4,152.19	4,133.21	18.98	218.782		
2,500.00	2,291.61	2,336.15	2,330.72	18.23	8.38	33.24	-207.30	4,848.48	4,097.79	4,077.74	20.04	204.454		
2,600.00	2,373.14	2,413.00	2,407.38	19.44	8.67	33.72	-211.41	4,845.02	4,043.42	4,022.37	21.05	192.122		
2,700.00	2,454.67	2,471.22	2,465.44	20.64	8.89	34.09	-214.71	4,842.54	3,989.50	3,967.49	22.01	181.243		
2,800.00	2,536.20	2,530.23	2,524.31	21.86	9.12	34.48	-218.20	4,840.33	3,936.28	3,913.28	23.00	171.138		
2,900.00	2,617.72	2,595.10	2,589.03	23.07	9.36	34.92	-221.97	4,838.16	3,883.63	3,859.60	24.03	161.631		
3,000.00	2,699.25	2,677.16	2,670.88	24.29	9.67	35.48	-227.18	4,835.47	3,831.39	3,806.25	25.13	152.446		
3,100.00	2,780.78	2,755.79	2,749.25	25.50	9.97	36.06	-232.02	4,832.67	3,779.37	3,753.12	26.25	143.961		
3,200.00	2,862.31	2,826.73	2,819.97	26.73	10.25	36.58	-238.03	4,830.24	3,727.74	3,700.37	27.37	136.207		
3,300.00	2,943.83	2,894.01	2,887.08	27.95	10.50	37.08	-242.47	4,828.19	3,676.68	3,648.19	28.49	129.046		
3,400.00	3,025.36	2,991.86	2,984.67	29.17	10.87	37.82	-248.76	4,825.11	3,625.85	3,596.12	29.73	121.963		
3,500.00	3,106.89	3,070.31	3,062.94	30.40	11.17	38.42	-253.49	4,822.51	3,575.19	3,544.27	30.93	115.600		
3,600.00	3,188.42	3,158.16	3,150.57	31.62	11.50	39.12	-258.85	4,819.44	3,524.78	3,492.60	32.18	109.539		
3,700.00	3,269.94	3,228.68	3,220.88	32.85	11.77	39.70	-263.62	4,816.78	3,474.65	3,441.25	33.40	104.020		
3,800.00	3,351.47	3,290.42	3,282.47	34.07	12.01	40.21	-267.40	4,814.84	3,425.30	3,390.68	34.62	98.927		
3,900.00	3,433.00	3,427.95	3,419.69	35.30	12.53	41.38	-275.12	4,809.92	3,376.01	3,339.92	36.09	93.556		
4,000.00	3,514.53	3,546.69	3,538.02	36.53	12.99	42.44	-282.50	4,803.30	3,325.63	3,288.11	37.53	88.622		
4,100.00	3,596.05	3,612.24	3,603.26	37.76	13.24	43.06	-287.24	4,799.19	3,275.52	3,236.67	38.85	84.309		
4,200.00	3,677.58	3,670.56	3,661.34	38.99	13.47	43.62	-291.43	4,795.91	3,226.35	3,186.17	40.18	80.291		
4,300.00	3,759.11	3,742.23	3,732.73	40.22	13.75	44.32	-296.57	4,792.12	3,177.99	3,136.40	41.58	76.426		
4,400.00	3,840.64	3,806.88	3,797.14	41.45	14.00	44.97	-301.17	4,788.89	3,130.37	3,087.38	42.99	72.819		
4,500.00	3,922.16	3,872.96	3,863.00	42.68	14.26	45.63	-305.60	4,785.98	3,083.67	3,039.25	44.42	69.416		
4,600.00	4,003.69	3,948.17	3,938.04	43.91	14.54	46.38	-309.80	4,783.12	3,037.71	2,991.81	45.90	66.176		
4,700.00	4,085.22	4,022.80	4,012.50	45.15	14.82	47.14	-313.91	4,780.38	2,992.43	2,945.02	47.41	63.116		
4,800.00	4,166.75	4,143.12	4,132.38	46.38	15.29	48.45	-322.37	4,774.56	2,947.39	2,898.29	49.10	60.022		
4,900.00	4,248.27	4,235.74	4,224.50	47.61	15.66	49.52	-329.82	4,768.65	2,902.20	2,851.43	50.77	57.164		
5,000.00	4,329.80	4,300.73	4,289.19	48.84	15.92	50.27	-334.64	4,764.61	2,857.70	2,805.33	52.38	54.561		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 195-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,411.33	4,390.99	4,379.12	50.08	16.27	51.33	-340.40	4,759.41	2,813.99	2,759.91	54.08	52.036		
5,200.00	4,492.86	4,466.67	4,454.52	51.31	16.56	52.23	-344.95	4,754.82	2,770.73	2,714.96	55.77	49.682		
5,300.00	4,574.38	4,535.60	4,523.22	52.54	16.83	53.07	-348.95	4,750.92	2,728.50	2,671.03	57.47	47.475		
5,400.00	4,655.91	4,606.00	4,593.40	53.78	17.10	53.94	-353.10	4,747.12	2,687.32	2,628.11	59.21	45.385		
5,500.00	4,737.44	4,681.75	4,668.91	55.01	17.39	54.89	-357.59	4,743.14	2,647.15	2,586.15	61.00	43.397		
5,600.00	4,818.97	4,763.10	4,750.04	56.24	17.70	55.93	-362.05	4,739.04	2,607.89	2,545.06	62.83	41.509		
5,700.00	4,900.49	4,825.05	4,811.85	57.48	17.93	56.73	-364.93	4,736.23	2,569.61	2,504.99	64.62	39.764		
5,800.00	4,982.02	4,888.00	4,874.69	58.71	18.17	57.55	-368.06	4,734.11	2,533.14	2,466.70	66.44	38.125		
5,900.00	5,063.55	4,999.67	4,986.05	59.95	18.59	59.06	-374.70	4,729.19	2,497.58	2,429.12	68.46	36.484		
6,000.00	5,145.08	5,062.00	5,048.19	61.18	18.83	59.93	-378.38	4,726.09	2,462.57	2,392.21	70.36	35.001		
6,100.00	5,226.60	5,142.54	5,128.52	62.42	19.14	61.06	-382.77	4,722.36	2,428.75	2,356.42	72.33	33.579		
6,200.00	5,308.13	5,204.47	5,190.31	63.65	19.37	61.94	-386.06	4,719.60	2,396.18	2,321.92	74.26	32.266		
6,300.00	5,389.66	5,263.00	5,248.71	64.89	19.59	62.78	-389.31	4,717.68	2,365.61	2,289.41	76.20	31.045		
6,400.00	5,471.19	5,318.91	5,304.52	66.12	19.80	63.59	-392.49	4,716.42	2,336.98	2,258.85	78.13	29.911		
6,500.00	5,552.72	5,394.45	5,379.93	67.36	20.08	64.68	-396.75	4,715.34	2,310.12	2,229.98	80.14	28.827		
6,600.00	5,634.24	5,482.58	5,467.93	68.59	20.40	65.97	-401.26	4,714.01	2,284.24	2,202.04	82.20	27.789		
6,700.00	5,715.77	5,568.51	5,553.74	69.83	20.72	67.25	-405.65	4,712.66	2,259.66	2,175.40	84.26	26.817		
6,800.00	5,797.30	5,690.46	5,675.57	71.06	21.16	69.08	-410.24	4,710.13	2,235.39	2,148.95	86.44	25.862		
6,900.00	5,878.83	5,774.08	5,759.17	72.30	21.46	70.33	-411.69	4,708.61	2,211.50	2,123.03	88.47	24.997		
7,000.00	5,960.35	5,843.56	5,828.62	73.53	21.71	71.39	-413.30	4,707.45	2,189.40	2,098.93	90.47	24.200		
7,100.00	6,041.88	5,934.02	5,919.05	74.77	22.03	72.78	-415.04	4,706.25	2,168.70	2,076.18	92.52	23.441		
7,200.00	6,123.41	6,029.23	6,014.25	76.01	22.36	74.25	-416.16	4,704.72	2,148.80	2,054.24	94.56	22.724		
7,300.00	6,204.94	6,089.83	6,074.84	77.24	22.57	75.20	-417.04	4,703.80	2,130.62	2,034.11	96.50	22.078		
7,400.00	6,286.46	6,166.25	6,151.23	78.48	22.84	76.41	-418.43	4,703.13	2,114.49	2,016.03	98.46	21.475		
7,500.00	6,367.99	6,260.18	6,245.16	79.71	23.16	77.88	-419.38	4,702.95	2,099.70	1,999.26	100.44	20.904		
7,600.00	6,449.52	6,349.27	6,334.25	80.95	23.47	79.28	-419.56	4,702.74	2,085.86	1,983.48	102.38	20.374		
7,700.00	6,531.05	6,393.00	6,377.98	82.19	23.62	79.98	-419.74	4,702.44	2,073.84	1,969.70	104.15	19.913		
7,800.00	6,612.57	6,451.95	6,436.85	83.42	23.80	80.86	-419.28	4,704.93	2,064.45	1,958.59	105.87	19.501		
7,900.00	6,694.10	6,507.40	6,491.72	84.66	23.96	81.57	-417.39	4,712.57	2,058.18	1,950.70	107.48	19.149		
8,000.00	6,775.63	6,582.00	6,564.35	85.89	24.15	82.35	-411.85	4,728.55	2,053.20	1,944.14	109.07	18.825		
8,100.00	6,857.16	6,643.15	6,622.46	87.13	24.28	82.85	-405.56	4,746.46	2,050.06	1,939.53	110.54	18.547		
8,168.38	6,912.91	6,677.00	6,653.91	87.98	24.36	83.08	-401.88	4,758.42	2,049.48	1,938.00	111.48	18.384		
8,200.00	6,938.68	6,677.00	6,653.91	88.37	24.36	83.08	-401.88	4,758.42	2,049.72	1,937.88	111.84	18.327		
8,300.00	7,020.21	6,730.01	6,701.81	89.60	24.46	83.35	-396.04	4,780.30	2,052.05	1,938.92	113.13	18.138		
8,310.57	7,028.83	6,734.35	6,705.65	89.73	24.47	83.36	-395.57	4,782.27	2,052.48	1,939.22	113.26	18.122		
8,350.00	7,060.23	6,770.00	6,736.66	90.25	24.55	81.36	-391.71	4,799.44	2,053.87	1,940.01	113.86	18.039		
8,400.00	7,097.77	6,772.61	6,738.89	90.98	24.55	79.32	-391.43	4,800.76	2,053.77	1,939.32	114.46	17.944		
8,450.00	7,132.48	6,825.80	6,783.74	91.79	24.65	78.21	-385.15	4,828.64	2,051.96	1,936.52	115.45	17.774		
8,500.00	7,164.10	6,865.00	6,815.98	92.67	24.73	77.57	-379.85	4,850.30	2,047.95	1,931.51	116.43	17.589		
8,550.00	7,192.40	6,865.00	6,815.98	93.63	24.73	77.04	-379.85	4,850.30	2,042.64	1,925.41	117.23	17.424		
8,600.00	7,217.15	6,898.45	6,842.67	94.64	24.79	77.19	-375.36	4,869.96	2,035.56	1,917.21	118.34	17.201		
8,650.00	7,238.16	6,912.86	6,853.83	95.70	24.82	77.46	-373.59	4,878.89	2,027.57	1,908.21	119.36	16.988		
8,700.00	7,255.29	6,926.97	6,864.55	96.80	24.85	78.01	-371.95	4,887.92	2,018.48	1,898.07	120.41	16.764		
8,750.00	7,268.39	6,959.00	6,888.11	97.92	24.91	79.10	-368.59	4,909.35	2,008.63	1,886.98	121.65	16.511		
8,800.00	7,277.37	6,959.00	6,888.11	99.06	24.91	79.92	-368.59	4,909.35	1,997.38	1,874.76	122.62	16.289		
8,850.00	7,282.15	6,959.00	6,888.11	100.20	24.91	80.92	-368.59	4,909.35	1,985.59	1,862.01	123.58	16.067		
8,881.61	7,283.00	6,959.00	6,888.11	100.91	24.91	81.63	-368.59	4,909.35	1,977.89	1,853.71	124.17	15.928		
8,900.00	7,283.00	6,959.00	6,888.11	101.33	24.91	81.63	-368.59	4,909.35	1,973.44	1,848.92	124.52	15.849		
9,000.00	7,283.00	7,014.78	6,925.96	103.59	25.04	82.74	-363.49	4,949.98	1,950.28	1,823.24	127.04	15.352		
9,100.00	7,283.00	7,053.00	6,949.19	105.87	25.14	83.42	-360.37	4,980.14	1,931.06	1,801.79	129.28	14.938		
9,200.00	7,283.00	7,053.00	6,949.19	108.18	25.14	83.42	-360.37	4,980.14	1,916.01	1,785.15	130.85	14.643		
9,300.00	7,283.00	7,112.47	6,981.27	110.50	25.36	84.37	-356.89	5,030.07	1,903.64	1,770.32	133.32	14.279		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 195-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,400.00	7,283.00	7,147.00	6,997.71	112.84	25.51	84.87	-355.93	5,060.41	1,895.53	1,760.26	135.26	14.013		
9,500.00	7,283.00	7,196.26	7,018.51	115.19	25.82	85.49	-355.47	5,105.05	1,890.70	1,753.20	137.49	13.751		
9,600.00	7,283.00	7,254.16	7,039.09	117.56	26.25	86.12	-355.81	5,159.16	1,888.61	1,748.73	139.88	13.502		
9,694.79	7,283.00	7,333.00	7,059.21	119.82	26.97	86.73	-356.56	5,235.33	1,888.14	1,745.35	142.79	13.223 CC		
9,700.00	7,283.00	7,333.00	7,059.21	119.95	26.97	86.73	-356.56	5,235.33	1,888.15	1,745.31	142.84	13.219		
9,800.00	7,283.00	7,426.00	7,069.75	122.34	28.01	87.05	-357.48	5,327.62	1,888.69	1,742.39	146.29	12.910		
9,900.00	7,283.00	7,508.61	7,070.54	124.76	29.08	87.07	-358.52	5,410.21	1,890.02	1,740.43	149.58	12.635		
10,000.00	7,283.00	7,599.40	7,069.12	127.18	30.40	87.03	-359.98	5,500.97	1,891.87	1,738.63	153.24	12.346		
10,100.00	7,283.00	7,708.29	7,068.63	129.61	32.15	87.02	-361.87	5,609.85	1,893.80	1,736.17	157.63	12.014		
10,200.00	7,283.00	7,830.18	7,069.17	132.06	34.33	87.04	-362.88	5,731.73	1,894.75	1,732.10	162.66	11.649		
10,300.00	7,283.00	7,930.97	7,069.62	134.52	36.26	87.05	-363.05	5,832.52	1,895.06	1,727.95	167.11	11.340		
10,400.00	7,283.00	8,017.79	7,067.87	136.98	37.99	87.00	-363.45	5,919.32	1,895.80	1,724.64	171.16	11.077		
10,500.00	7,283.00	8,100.25	7,065.54	139.46	39.70	86.93	-364.47	6,001.74	1,897.36	1,722.26	175.10	10.836		
10,600.00	7,283.00	8,182.36	7,063.76	141.94	41.45	86.88	-366.41	6,083.81	1,899.97	1,720.89	179.08	10.610		
10,700.00	7,283.00	8,332.92	7,061.43	144.44	44.78	86.82	-368.00	6,234.33	1,901.10	1,715.36	185.74	10.235		
10,800.00	7,283.00	8,440.24	7,061.05	146.94	47.22	86.81	-367.90	6,341.66	1,901.19	1,710.35	190.83	9.963		
10,900.00	7,283.00	8,547.74	7,061.78	149.45	49.72	86.83	-367.50	6,449.15	1,900.94	1,704.95	195.99	9.699		
10,963.75	7,283.00	8,602.90	7,061.91	151.05	51.02	86.83	-367.27	6,504.31	1,900.78	1,701.98	198.80	9.561		
11,000.00	7,283.00	8,633.62	7,062.21	151.96	51.75	86.84	-367.28	6,535.02	1,900.83	1,700.45	200.38	9.486		
11,100.00	7,283.00	8,718.83	7,062.62	154.49	53.79	86.85	-367.75	6,620.23	1,901.52	1,696.75	204.76	9.286		
11,200.00	7,283.00	8,795.31	7,061.74	157.01	55.64	86.83	-368.80	6,696.69	1,903.14	1,694.34	208.80	9.115		
11,300.00	7,283.00	8,872.32	7,062.11	159.55	57.51	86.84	-371.00	6,773.67	1,906.11	1,693.25	212.85	8.955		
11,400.00	7,283.00	8,957.51	7,063.00	162.09	59.61	86.88	-374.28	6,858.80	1,910.05	1,692.78	217.27	8.791		
11,500.00	7,283.00	9,120.72	7,066.42	164.64	63.67	86.99	-379.90	7,021.86	1,914.09	1,689.09	225.00	8.507		
11,600.00	7,283.00	9,232.26	7,070.14	167.19	66.47	87.10	-380.55	7,133.33	1,914.65	1,684.06	230.59	8.303		
11,700.00	7,283.00	9,326.10	7,070.68	169.75	68.84	87.12	-380.99	7,227.17	1,915.26	1,679.79	235.46	8.134		
11,800.00	7,283.00	9,438.43	7,072.56	172.31	71.69	87.17	-381.35	7,339.47	1,915.66	1,674.55	241.10	7.945		
11,900.00	7,283.00	9,587.65	7,075.12	174.88	75.50	87.25	-379.87	7,488.66	1,914.90	1,666.76	248.15	7.717		
12,000.00	7,283.00	9,701.70	7,077.70	177.45	78.42	87.32	-376.40	7,602.62	1,911.91	1,658.07	253.84	7.532		
12,100.00	7,283.00	9,798.55	7,079.09	180.03	80.91	87.36	-373.19	7,699.41	1,908.70	1,649.79	258.91	7.372		
12,200.00	7,283.00	9,879.00	7,079.07	182.61	82.98	87.36	-370.84	7,779.82	1,905.98	1,642.59	263.38	7.237		
12,300.00	7,283.00	9,957.68	7,078.50	185.19	85.01	87.34	-369.35	7,858.48	1,904.33	1,636.56	267.77	7.112		
12,400.00	7,283.00	10,042.24	7,078.84	187.78	87.21	87.35	-368.84	7,943.04	1,903.86	1,631.48	272.38	6.990		
12,420.21	7,283.00	10,059.97	7,079.11	188.30	87.67	87.35	-368.81	7,960.77	1,903.85	1,630.51	273.33	6.965		
12,500.00	7,283.00	10,123.32	7,079.84	190.37	89.32	87.38	-369.00	8,024.11	1,904.17	1,627.34	276.84	6.878		
12,600.00	7,283.00	10,229.78	7,079.92	192.97	92.10	87.38	-369.94	8,130.57	1,905.24	1,622.90	282.34	6.748		
12,700.00	7,283.00	10,333.50	7,081.88	195.57	94.82	87.44	-370.13	8,234.27	1,905.50	1,617.75	287.75	6.622		
12,800.00	7,283.00	10,450.58	7,083.51	198.17	97.89	87.49	-369.99	8,351.34	1,905.50	1,611.80	293.70	6.488		
12,900.00	7,283.00	10,564.57	7,084.56	200.77	100.88	87.52	-368.64	8,465.32	1,904.43	1,604.92	299.51	6.359		
13,000.00	7,283.00	10,662.31	7,083.59	203.38	103.45	87.49	-367.39	8,563.04	1,903.35	1,598.68	304.67	6.247		
13,100.00	7,283.00	10,782.55	7,082.78	205.99	106.62	87.46	-364.89	8,683.24	1,901.44	1,590.74	310.70	6.120		
13,200.00	7,283.00	10,875.25	7,082.85	208.61	109.06	87.46	-362.71	8,775.92	1,899.26	1,583.56	315.70	6.016		
13,300.00	7,283.00	10,964.71	7,083.84	211.22	111.43	87.49	-361.27	8,865.36	1,897.76	1,577.17	320.59	5.920		
13,400.00	7,283.00	11,066.92	7,084.07	213.84	114.13	87.49	-359.78	8,967.56	1,896.46	1,570.50	325.96	5.818		
13,500.00	7,283.00	11,166.81	7,082.37	216.47	116.77	87.44	-358.03	9,067.42	1,894.95	1,563.73	331.23	5.721		
13,600.00	7,283.00	11,257.91	7,082.16	219.09	119.19	87.43	-356.76	9,158.51	1,893.73	1,557.56	336.17	5.633		
13,700.00	7,283.00	11,347.61	7,082.67	221.72	121.57	87.45	-356.04	9,248.21	1,893.07	1,552.00	341.07	5.550		
13,800.00	7,283.00	11,456.91	7,082.24	224.34	124.47	87.43	-355.39	9,357.50	1,892.68	1,545.94	346.74	5.458		
13,900.00	7,283.00	11,563.64	7,082.88	226.97	127.31	87.45	-353.94	9,464.22	1,891.45	1,539.13	352.32	5.369		
13,975.04	7,283.00	11,615.00	7,082.91	228.95	128.68	87.45	-353.21	9,515.57	1,890.66	1,535.30	355.36	5.320		
14,000.00	7,283.00	11,615.00	7,082.91	229.61	128.68	87.45	-353.21	9,515.57	1,890.82	1,535.19	355.63	5.317 ES, SF		
14,100.00	7,283.00	11,615.00	7,082.91	232.24	128.68	87.45	-353.21	9,515.57	1,894.78	1,538.66	356.12	5.321		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 195-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,283.00	11,615.00	7,082.91	234.88	128.68	87.45	-353.21	9,515.57	1,903.99	1,548.33	355.66	5.353		
14,300.00	7,283.00	11,615.00	7,082.91	237.52	128.68	87.45	-353.21	9,515.57	1,918.38	1,564.10	354.28	5.415		
14,400.00	7,283.00	11,615.00	7,082.91	240.16	128.68	87.45	-353.21	9,515.57	1,937.83	1,585.79	352.04	5.505		
14,500.00	7,283.00	11,615.00	7,082.91	242.80	128.68	87.45	-353.21	9,515.57	1,962.19	1,613.19	349.00	5.622		
14,600.00	7,283.00	11,615.00	7,082.91	245.44	128.68	87.45	-353.21	9,515.57	1,991.27	1,646.03	345.24	5.768		
14,700.00	7,283.00	11,615.00	7,082.91	248.09	128.68	87.45	-353.21	9,515.57	2,024.88	1,684.02	340.87	5.940		
14,800.00	7,283.00	11,615.00	7,082.91	250.74	128.68	87.45	-353.21	9,515.57	2,062.80	1,726.84	335.96	6.140		
14,900.00	7,283.00	11,615.00	7,082.91	253.38	128.68	87.45	-353.21	9,515.57	2,104.79	1,774.16	330.63	6.366		
15,000.00	7,283.00	11,615.00	7,082.91	256.03	128.68	87.45	-353.21	9,515.57	2,150.61	1,825.66	324.95	6.618		
15,100.00	7,283.00	11,615.00	7,082.91	258.69	128.68	87.45	-353.21	9,515.57	2,200.03	1,881.01	319.02	6.896		
15,200.00	7,283.00	11,615.00	7,082.91	261.34	128.68	87.45	-353.21	9,515.57	2,252.80	1,939.90	312.91	7.200		
15,300.00	7,283.00	11,615.00	7,082.91	263.99	128.68	87.45	-353.21	9,515.57	2,308.70	2,002.02	306.69	7.528		
15,400.00	7,283.00	11,615.00	7,082.91	266.65	128.68	87.45	-353.21	9,515.57	2,367.51	2,067.09	300.42	7.881		
15,500.00	7,283.00	11,615.00	7,082.91	269.31	128.68	87.45	-353.21	9,515.57	2,429.01	2,134.85	294.16	8.258		
15,600.00	7,283.00	11,615.00	7,082.91	271.96	128.68	87.45	-353.21	9,515.57	2,493.01	2,205.07	287.94	8.658		
15,700.00	7,283.00	11,615.00	7,082.91	274.62	128.68	87.45	-353.21	9,515.57	2,559.31	2,277.51	281.80	9.082		
15,800.00	7,283.00	11,615.00	7,082.91	277.28	128.68	87.45	-353.21	9,515.57	2,627.75	2,351.98	275.78	9.529		
15,900.00	7,283.00	11,615.00	7,082.91	279.94	128.68	87.45	-353.21	9,515.57	2,698.16	2,428.28	269.88	9.998		
16,000.00	7,283.00	11,615.00	7,082.91	282.61	128.68	87.45	-353.21	9,515.57	2,770.39	2,506.26	264.13	10.489		
16,100.00	7,283.00	11,615.00	7,082.91	285.27	128.68	87.45	-353.21	9,515.57	2,844.30	2,585.75	258.55	11.001		
16,200.00	7,283.00	11,615.00	7,082.91	287.94	128.68	87.45	-353.21	9,515.57	2,919.77	2,666.64	253.13	11.535		
16,300.00	7,283.00	11,615.00	7,082.91	290.60	128.68	87.45	-353.21	9,515.57	2,996.67	2,748.79	247.89	12.089		
16,400.00	7,283.00	11,615.00	7,082.91	293.27	128.68	87.45	-353.21	9,515.57	3,074.90	2,832.08	242.82	12.663		
16,500.00	7,283.00	11,615.00	7,082.91	295.94	128.68	87.45	-353.21	9,515.57	3,154.37	2,916.44	237.93	13.258		
16,600.00	7,283.00	11,615.00	7,082.91	298.60	128.68	87.45	-353.21	9,515.57	3,234.97	3,001.75	233.22	13.871		
16,700.00	7,283.00	11,615.00	7,082.91	301.27	128.68	87.45	-353.21	9,515.57	3,316.63	3,087.95	228.68	14.503		
16,800.00	7,283.00	11,615.00	7,082.91	303.94	128.68	87.45	-353.21	9,515.57	3,399.26	3,174.96	224.31	15.154		
16,900.00	7,283.00	11,615.00	7,082.91	306.62	128.68	87.45	-353.21	9,515.57	3,482.81	3,262.71	220.11	15.823		
17,000.00	7,283.00	11,615.00	7,082.91	309.29	128.68	87.45	-353.21	9,515.57	3,567.21	3,351.14	216.07	16.510		
17,100.00	7,283.00	11,615.00	7,082.91	311.96	128.68	87.45	-353.21	9,515.57	3,652.39	3,440.21	212.18	17.214		
17,200.00	7,283.00	11,615.00	7,082.91	314.63	128.68	87.45	-353.21	9,515.57	3,738.31	3,529.86	208.45	17.934		
17,300.00	7,283.00	11,615.00	7,082.91	317.31	128.68	87.45	-353.21	9,515.57	3,824.91	3,620.05	204.86	18.671		
17,400.00	7,283.00	11,615.00	7,082.91	319.98	128.68	87.45	-353.21	9,515.57	3,912.16	3,710.74	201.41	19.423		
17,500.00	7,283.00	11,615.00	7,082.91	322.66	128.68	87.45	-353.21	9,515.57	3,999.99	3,801.89	198.10	20.192		
17,600.00	7,283.00	11,615.00	7,082.91	325.34	128.68	87.45	-353.21	9,515.57	4,088.39	3,893.47	194.92	20.975		
17,700.00	7,283.00	11,615.00	7,082.91	328.01	128.68	87.45	-353.21	9,515.57	4,177.31	3,985.46	191.86	21.773		
17,800.00	7,283.00	11,615.00	7,082.91	330.69	128.68	87.45	-353.21	9,515.57	4,266.72	4,077.81	188.92	22.585		
17,900.00	7,283.00	11,615.00	7,082.91	333.37	128.68	87.45	-353.21	9,515.57	4,356.59	4,170.51	186.09	23.412		
18,000.00	7,283.00	11,615.00	7,082.91	336.05	128.68	87.45	-353.21	9,515.57	4,446.90	4,263.53	183.37	24.251		
18,100.00	7,283.00	11,615.00	7,082.91	338.73	128.68	87.45	-353.21	9,515.57	4,537.61	4,356.86	180.75	25.104		
18,200.00	7,283.00	11,615.00	7,082.91	341.41	128.68	87.45	-353.21	9,515.57	4,628.70	4,450.47	178.23	25.970		
18,300.00	7,283.00	11,615.00	7,082.91	344.09	128.68	87.45	-353.21	9,515.57	4,720.16	4,544.35	175.81	26.848		
18,400.00	7,283.00	11,615.00	7,082.91	346.77	128.68	87.45	-353.21	9,515.57	4,811.95	4,638.47	173.48	27.738		
18,500.00	7,283.00	11,615.00	7,082.91	349.46	128.68	87.45	-353.21	9,515.57	4,904.07	4,732.83	171.23	28.640		
18,600.00	7,283.00	11,615.00	7,082.91	352.14	128.68	87.45	-353.21	9,515.57	4,996.49	4,827.42	169.07	29.553		
18,700.00	7,283.00	11,615.00	7,082.91	354.82	128.68	87.45	-353.21	9,515.57	5,089.19	4,922.21	166.99	30.477		
18,800.00	7,283.00	11,615.00	7,082.91	357.51	128.68	87.45	-353.21	9,515.57	5,182.17	5,017.19	164.98	31.411		
18,900.00	7,283.00	11,615.00	7,082.91	360.19	128.68	87.45	-353.21	9,515.57	5,275.40	5,112.36	163.04	32.356		
19,000.00	7,283.00	11,615.00	7,082.91	362.88	128.68	87.45	-353.21	9,515.57	5,368.88	5,207.70	161.17	33.311		
19,100.00	7,283.00	11,615.00	7,082.91	365.56	128.68	87.45	-353.21	9,515.57	5,462.58	5,303.21	159.37	34.276		
19,200.00	7,283.00	11,615.00	7,082.91	368.25	128.68	87.45	-353.21	9,515.57	5,556.51	5,398.88	157.63	35.249		
19,247.68	7,283.00	11,615.00	7,082.91	369.53	128.68	87.45	-353.21	9,515.57	5,601.37	5,444.54	156.83	35.717		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 2-T4N-R68W - SRC VISTA 44-2C - Wellbore #1 - Wellbore #1		Offset Site Error: 0.00 usft	
Survey Program: 126-MWD												Offset Well Error: 0.00 usft				
Reference		Offset		Semi Major Axis		Distance							Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
100.00	100.00	0.00	0.00	0.27	0.00	92.27	-196.30	4,942.83	4,946.78	4,946.51	0.27	N/A				
123.00	123.00	0.00	0.00	0.35	0.00	92.27	-196.30	4,942.83	4,946.73	4,946.38	0.35	N/A				
200.00	200.00	58.51	58.51	0.63	0.09	92.27	-196.23	4,942.94	4,946.87	4,946.15	0.72	6,856.032				
300.00	299.98	135.54	135.54	0.98	0.24	22.67	-195.91	4,943.43	4,945.88	4,944.66	1.22	4,061.645				
400.00	399.84	220.76	220.76	1.34	0.54	22.73	-196.34	4,944.26	4,942.03	4,940.16	1.88	2,635.659				
500.00	499.45	305.78	305.73	1.71	0.84	22.84	-198.46	4,945.26	4,935.27	4,932.73	2.54	1,944.373				
600.00	598.70	435.86	435.55	2.10	1.31	23.08	-206.45	4,946.55	4,925.33	4,921.95	3.38	1,457.905				
700.00	697.47	548.84	547.99	2.51	1.74	23.40	-217.49	4,946.88	4,911.67	4,907.48	4.19	1,173.489				
800.00	795.62	721.14	718.51	2.95	2.45	23.99	-241.99	4,945.45	4,894.10	4,888.82	5.28	927.671				
900.00	893.06	969.92	961.91	3.43	3.61	25.07	-292.28	4,937.32	4,871.99	4,865.16	6.83	713.353				
1,000.00	989.64	1,045.71	1,035.18	3.95	4.01	25.64	-311.15	4,932.97	4,844.53	4,836.91	7.63	635.147				
1,100.00	1,085.27	1,097.00	1,084.47	4.52	4.29	26.17	-325.15	4,930.70	4,815.37	4,807.05	8.32	578.809				
1,200.00	1,179.82	1,097.00	1,084.47	5.14	4.29	26.46	-325.15	4,930.70	4,784.38	4,775.63	8.75	546.644				
1,300.00	1,273.17	1,152.37	1,137.61	5.81	4.60	27.07	-340.59	4,929.11	4,751.60	4,742.09	9.51	499.474				
1,400.00	1,365.21	1,191.43	1,175.16	6.54	4.82	27.63	-351.36	4,928.46	4,717.13	4,706.92	10.20	462.252				
1,500.00	1,455.84	1,346.95	1,325.19	7.33	5.68	28.93	-392.16	4,925.33	4,679.63	4,668.06	11.56	404.683				
1,600.00	1,544.94	1,514.23	1,486.80	8.19	6.61	30.44	-434.96	4,919.46	4,638.53	4,625.52	13.01	356.443				
1,700.00	1,632.39	1,594.32	1,564.02	9.12	7.06	31.49	-455.88	4,915.75	4,594.30	4,580.28	14.02	327.745				
1,800.00	1,718.11	1,659.00	1,626.48	10.11	7.42	32.51	-472.43	4,913.02	4,548.11	4,533.14	14.97	303.732				
1,900.00	1,801.97	1,727.99	1,693.16	11.18	7.81	33.65	-489.91	4,910.26	4,499.94	4,483.95	15.99	281.408				
1,969.27	1,858.92	1,773.30	1,736.91	11.96	8.06	34.46	-501.54	4,908.39	4,465.35	4,448.64	16.71	267.270				
2,000.00	1,883.98	1,789.88	1,752.93	12.31	8.16	34.60	-505.78	4,907.74	4,449.85	4,432.84	17.01	261.583				
2,100.00	1,965.50	1,847.00	1,808.15	13.48	8.48	35.08	-520.23	4,905.67	4,399.95	4,381.92	18.03	244.038				
2,200.00	2,047.03	1,912.47	1,871.48	14.65	8.84	35.64	-536.71	4,903.47	4,350.77	4,331.65	19.12	227.531				
2,300.00	2,128.56	2,014.67	1,970.37	15.84	9.41	36.52	-562.18	4,899.60	4,301.76	4,281.32	20.44	210.413				
2,400.00	2,210.09	2,156.97	2,108.07	17.03	10.21	37.77	-597.32	4,892.44	4,252.31	4,230.29	22.02	193.115				
2,500.00	2,291.61	2,223.00	2,171.76	18.23	10.58	38.38	-614.32	4,888.45	4,203.10	4,179.89	23.21	181.113				
2,600.00	2,373.14	2,276.21	2,222.97	19.44	10.89	38.88	-628.38	4,885.30	4,154.73	4,130.38	24.35	170.595				
2,700.00	2,454.67	2,317.00	2,262.22	20.64	11.13	39.27	-639.30	4,883.16	4,107.54	4,082.08	25.45	161.378				
2,800.00	2,536.20	2,384.55	2,327.06	21.86	11.53	39.92	-657.91	4,879.76	4,061.31	4,034.57	26.75	151.850				
2,900.00	2,617.72	2,440.66	2,380.74	23.07	11.87	40.48	-674.00	4,876.87	4,015.97	3,987.96	28.00	143.424				
3,000.00	2,699.25	2,491.13	2,428.89	24.29	12.18	41.00	-688.92	4,874.38	3,971.72	3,942.47	29.25	135.789				
3,100.00	2,780.78	2,616.58	2,549.42	25.50	12.92	42.26	-723.14	4,868.64	3,928.16	3,897.18	30.98	126.796				
3,200.00	2,862.31	2,660.75	2,592.22	26.73	13.16	42.70	-733.93	4,866.90	3,885.04	3,852.84	32.20	120.665				
3,300.00	2,943.83	2,733.98	2,663.28	27.95	13.56	43.42	-751.41	4,864.31	3,842.93	3,809.32	33.61	114.337				
3,400.00	3,025.36	2,820.33	2,746.93	29.17	14.04	44.29	-772.53	4,860.70	3,801.29	3,766.16	35.13	108.200				
3,500.00	3,106.89	2,889.80	2,814.12	30.40	14.43	45.01	-789.92	4,857.60	3,760.45	3,723.87	36.58	102.790				
3,600.00	3,188.42	2,967.58	2,889.66	31.62	14.86	45.81	-808.20	4,854.54	3,720.43	3,682.34	38.09	97.672				
3,700.00	3,269.94	3,035.77	2,956.18	32.85	15.22	46.50	-822.98	4,852.31	3,681.22	3,641.67	39.55	93.080				
3,800.00	3,351.47	3,103.12	3,021.82	34.07	15.57	47.20	-837.90	4,850.12	3,643.00	3,601.97	41.02	88.801				
3,900.00	3,433.00	3,170.00	3,087.02	35.30	15.92	47.89	-852.66	4,848.05	3,605.74	3,563.22	42.52	84.802				
4,000.00	3,514.53	3,239.33	3,154.54	36.53	16.29	48.63	-868.24	4,845.88	3,569.49	3,525.44	44.06	81.021				
4,100.00	3,596.05	3,318.61	3,231.60	37.76	16.72	49.49	-886.67	4,843.19	3,534.26	3,488.58	45.68	77.364				
4,200.00	3,677.58	3,399.99	3,310.67	38.99	17.16	50.39	-905.70	4,840.07	3,499.78	3,452.42	47.35	73.908				
4,300.00	3,759.11	3,469.64	3,378.12	40.22	17.55	51.18	-922.76	4,836.91	3,466.26	3,417.28	48.98	70.764				
4,400.00	3,840.64	3,524.71	3,431.19	41.45	17.87	51.82	-937.18	4,834.10	3,434.07	3,383.52	50.55	67.929				
4,500.00	3,922.16	3,581.15	3,485.28	42.68	18.21	52.50	-952.99	4,830.92	3,403.39	3,351.22	52.17	65.240				
4,600.00	4,003.69	3,645.00	3,546.01	43.91	18.61	53.30	-972.25	4,826.77	3,374.23	3,320.36	53.87	62.636				
4,700.00	4,085.22	3,685.44	3,584.24	45.15	18.88	53.81	-985.11	4,823.94	3,346.73	3,291.31	55.42	60.394				
4,800.00	4,166.75	3,741.00	3,636.55	46.38	19.24	54.53	-1,003.44	4,820.05	3,321.12	3,264.02	57.10	58.164				
4,900.00	4,248.27	3,792.98	3,685.28	47.61	19.60	55.22	-1,021.12	4,816.28	3,297.26	3,238.49	58.77	56.102				
5,000.00	4,329.80	3,858.85	3,746.89	48.84	20.04	56.09	-1,043.87	4,811.22	3,274.99	3,214.42	60.58	54.064				

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 126-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,411.33	3,931.43	3,815.61	50.08	20.52	57.03	-1,066.86	4,807.19	3,254.26	3,191.84	62.42	52.135		
5,200.00	4,492.86	4,068.09	3,947.66	51.31	21.30	58.69	-1,101.74	4,803.80	3,233.80	3,169.12	64.68	49.998		
5,300.00	4,574.38	4,261.79	4,136.45	52.54	22.32	61.02	-1,144.54	4,797.80	3,212.81	3,145.55	67.26	47.765		
5,400.00	4,655.91	4,311.00	4,184.33	53.78	22.58	61.63	-1,155.60	4,795.09	3,192.09	3,123.22	68.87	46.346		
5,500.00	4,737.44	4,375.11	4,246.54	55.01	22.93	62.44	-1,170.65	4,791.40	3,173.09	3,102.49	70.60	44.942		
5,600.00	4,818.97	4,405.00	4,275.51	56.24	23.09	62.82	-1,177.81	4,789.71	3,156.03	3,083.96	72.07	43.790		
5,700.00	4,900.49	4,448.02	4,317.13	57.48	23.34	63.37	-1,188.48	4,787.58	3,141.17	3,067.55	73.63	42.663		
5,800.00	4,982.02	4,501.00	4,368.20	58.71	23.64	64.05	-1,202.44	4,785.74	3,129.06	3,053.80	75.25	41.582		
5,900.00	5,063.55	4,523.11	4,389.47	59.95	23.77	64.33	-1,208.45	4,785.12	3,118.95	3,042.36	76.59	40.721		
6,000.00	5,145.08	4,620.83	4,483.46	61.18	24.35	65.60	-1,234.94	4,781.59	3,110.40	3,031.82	78.58	39.581		
6,100.00	5,226.60	4,706.39	4,565.82	62.42	24.85	66.71	-1,257.88	4,778.09	3,103.07	3,022.61	80.46	38.568		
6,200.00	5,308.13	4,865.13	4,718.56	63.65	25.78	68.81	-1,299.97	4,768.50	3,096.49	3,013.53	82.96	37.324		
6,300.00	5,389.66	4,994.40	4,844.27	64.89	26.48	70.48	-1,329.23	4,761.59	3,089.41	3,004.29	85.12	36.294		
6,400.00	5,471.19	5,079.21	4,927.05	66.12	26.92	71.56	-1,347.20	4,757.28	3,083.19	2,996.29	86.90	35.481		
6,500.00	5,552.72	5,160.80	5,006.56	67.36	27.35	72.62	-1,364.76	4,752.16	3,078.19	2,989.54	88.65	34.724		
6,600.00	5,634.24	5,206.03	5,050.55	68.59	27.59	73.21	-1,374.79	4,749.05	3,074.93	2,984.84	90.10	34.129		
6,700.00	5,715.77	5,260.00	5,102.97	69.83	27.88	73.92	-1,387.21	4,745.67	3,073.96	2,982.37	91.59	33.563		
6,704.45	5,719.40	5,260.00	5,102.97	69.88	27.88	73.92	-1,387.21	4,745.67	3,073.96	2,982.32	91.63	33.546		
6,800.00	5,797.30	5,318.34	5,159.55	71.06	28.20	74.69	-1,400.95	4,742.03	3,074.95	2,981.86	93.09	33.033		
6,900.00	5,878.83	5,514.81	5,351.33	72.30	29.21	77.21	-1,441.98	4,731.27	3,076.37	2,980.74	95.62	32.172		
7,000.00	5,960.35	5,592.21	5,427.37	73.53	29.58	78.19	-1,455.84	4,727.23	3,077.29	2,980.09	97.20	31.661		
7,100.00	6,041.88	5,704.27	5,537.75	74.77	30.10	79.56	-1,474.81	4,723.56	3,079.89	2,980.93	98.96	31.122		
7,200.00	6,123.41	5,977.05	5,808.89	76.01	31.13	82.72	-1,503.70	4,720.01	3,079.03	2,977.57	101.45	30.350		
7,300.00	6,204.94	6,152.22	5,983.76	77.24	31.69	84.70	-1,513.57	4,717.79	3,076.66	2,973.42	103.25	29.800		
7,400.00	6,286.46	6,249.21	6,080.66	78.48	31.97	85.78	-1,517.32	4,716.65	3,074.44	2,969.71	104.73	29.356		
7,500.00	6,367.99	6,355.11	6,186.52	79.71	32.28	86.95	-1,520.34	4,715.81	3,072.75	2,966.53	106.21	28.930		
7,600.00	6,449.52	6,453.19	6,284.58	80.95	32.55	88.03	-1,522.19	4,715.45	3,071.61	2,963.96	107.65	28.534		
7,682.05	6,516.41	6,525.50	6,356.88	81.96	32.74	88.82	-1,523.38	4,714.91	3,071.27	2,962.48	108.79	28.231		
7,700.00	6,531.05	6,540.39	6,371.77	82.19	32.78	88.99	-1,523.60	4,714.82	3,071.29	2,962.25	109.04	28.168		
7,800.00	6,612.57	6,587.00	6,418.37	83.42	32.91	89.50	-1,524.25	4,714.66	3,072.22	2,961.92	110.30	27.854		
7,900.00	6,694.10	6,648.43	6,479.77	84.66	33.07	90.14	-1,525.07	4,716.15	3,074.90	2,963.34	111.56	27.563		
8,000.00	6,775.63	6,682.00	6,513.27	85.89	33.15	90.48	-1,525.55	4,718.33	3,079.76	2,967.06	112.70	27.326		
8,100.00	6,857.16	6,751.22	6,581.94	87.13	33.30	91.10	-1,526.04	4,726.87	3,086.32	2,972.41	113.91	27.094		
8,200.00	6,938.68	6,777.00	6,607.27	88.37	33.36	91.30	-1,525.96	4,731.61	3,094.74	2,979.80	114.95	26.923		
8,300.00	7,020.21	6,839.46	6,668.07	89.60	33.48	91.75	-1,525.90	4,745.88	3,104.77	2,988.69	116.08	26.747		
8,310.57	7,028.83	6,843.77	6,672.24	89.73	33.49	91.78	-1,525.92	4,746.99	3,105.97	2,989.78	116.19	26.732		
8,350.00	7,060.23	6,872.00	6,699.39	90.25	33.54	89.54	-1,526.13	4,754.71	3,110.16	2,993.48	116.68	26.656		
8,400.00	7,097.77	6,872.00	6,699.39	90.98	33.54	87.09	-1,526.13	4,754.71	3,114.30	2,997.12	117.18	26.576		
8,450.00	7,132.48	6,872.00	6,699.39	91.79	33.54	85.18	-1,526.13	4,754.71	3,117.54	2,999.79	117.74	26.477		
8,500.00	7,164.10	6,916.56	6,741.73	92.67	33.62	84.18	-1,526.68	4,768.56	3,119.11	3,000.50	118.61	26.297		
8,550.00	7,192.40	6,934.45	6,758.51	93.63	33.66	83.32	-1,526.97	4,774.75	3,119.77	3,000.38	119.39	26.130		
8,600.00	7,217.15	6,967.00	6,788.70	94.64	33.72	82.96	-1,527.60	4,786.91	3,119.39	2,999.07	120.32	25.926		
8,650.00	7,238.16	6,967.00	6,788.70	95.70	33.72	82.50	-1,527.60	4,786.91	3,117.75	2,996.66	121.09	25.748		
8,700.00	7,255.29	6,987.95	6,807.83	96.80	33.75	82.55	-1,528.03	4,795.43	3,115.11	2,993.09	122.02	25.529		
8,750.00	7,268.39	7,006.66	6,824.68	97.92	33.79	82.82	-1,528.38	4,803.57	3,111.44	2,988.47	122.97	25.303		
8,800.00	7,277.37	7,024.81	6,840.78	99.06	33.82	83.30	-1,528.70	4,811.94	3,106.80	2,982.86	123.93	25.069		
8,850.00	7,282.15	7,042.29	6,856.05	100.20	33.84	83.97	-1,528.98	4,820.43	3,101.25	2,976.35	124.89	24.831		
8,881.61	7,283.00	7,062.00	6,872.99	100.91	33.88	84.64	-1,529.27	4,830.50	3,097.33	2,971.76	125.57	24.666		
8,900.00	7,283.00	7,062.00	6,872.99	101.33	33.88	84.64	-1,529.27	4,830.50	3,094.97	2,969.09	125.87	24.588		
9,000.00	7,283.00	7,090.82	6,897.13	103.59	33.92	85.09	-1,529.67	4,846.23	3,083.80	2,956.06	127.74	24.142		
9,100.00	7,283.00	7,127.90	6,926.98	105.87	33.96	85.64	-1,530.17	4,868.20	3,075.22	2,945.56	129.66	23.718		
9,200.00	7,283.00	7,157.00	6,949.39	108.18	34.01	86.06	-1,530.54	4,886.77	3,069.10	2,937.61	131.49	23.340		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 2-T4N-R68W - SRC VISTA 44-2C - Wellbore #1 - Wellbore #1		Offset Site Error:		0.00 usft	
Survey Program: 126-MWD												Offset Well Error:		0.00 usft				
Reference		Offset		Semi Major Axis		Distance								Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor						
9,300.00	7,283.00	7,215.94	6,991.11	110.50	34.06	86.84	-1,531.34	4,928.33	3,065.19	2,931.54	133.65	22.935						
9,400.00	7,283.00	7,252.00	7,013.80	112.84	34.10	87.26	-1,531.86	4,956.34	3,063.42	2,927.86	135.57	22.597						
9,413.95	7,283.00	7,252.00	7,013.80	113.16	34.10	87.26	-1,531.86	4,956.34	3,063.39	2,927.61	135.78	22.562						
9,500.00	7,283.00	7,291.35	7,036.35	115.19	34.14	87.69	-1,532.85	4,988.57	3,063.92	2,926.35	137.57	22.272						
9,600.00	7,283.00	7,347.00	7,064.82	117.56	34.20	88.22	-1,535.64	5,036.28	3,067.12	2,927.33	139.79	21.941						
9,700.00	7,283.00	7,347.00	7,064.82	119.95	34.20	88.22	-1,535.64	5,036.28	3,072.21	2,931.02	141.19	21.759						
9,800.00	7,283.00	7,413.59	7,093.62	122.34	34.29	88.76	-1,540.47	5,096.10	3,079.33	2,935.65	143.68	21.432						
9,900.00	7,283.00	7,627.67	7,140.15	124.76	34.76	89.63	-1,554.76	5,303.06	3,086.59	2,937.29	149.30	20.673						
10,000.00	7,283.00	7,721.30	7,139.97	127.18	35.13	89.63	-1,558.35	5,396.61	3,090.62	2,937.76	152.86	20.218						
10,100.00	7,283.00	7,888.86	7,140.74	129.61	36.29	89.64	-1,564.39	5,564.04	3,094.49	2,936.10	158.39	19.537						
10,200.00	7,283.00	8,011.08	7,141.78	132.06	37.63	89.66	-1,566.78	5,686.24	3,096.59	2,933.49	163.09	18.986						
10,300.00	7,283.00	8,070.17	7,141.88	134.52	38.44	89.66	-1,568.05	5,745.31	3,098.97	2,932.63	166.34	18.630						
10,400.00	7,283.00	8,125.90	7,141.72	136.98	39.27	89.66	-1,570.15	5,801.00	3,102.87	2,933.35	169.52	18.304						
10,500.00	7,283.00	8,214.40	7,143.15	139.46	40.74	89.69	-1,574.22	5,889.40	3,107.62	2,933.97	173.65	17.896						
10,600.00	7,283.00	8,350.47	7,149.97	141.94	43.25	89.82	-1,579.85	6,025.18	3,111.88	2,932.61	179.27	17.359						
10,700.00	7,283.00	8,467.41	7,154.52	144.44	45.56	89.90	-1,583.73	6,141.96	3,115.35	2,930.92	184.43	16.892						
10,800.00	7,283.00	8,568.60	7,155.98	146.94	47.65	89.93	-1,586.75	6,243.08	3,118.51	2,929.31	189.20	16.482						
10,900.00	7,283.00	8,689.20	7,155.65	149.45	50.24	89.92	-1,590.10	6,363.64	3,121.47	2,926.85	194.62	16.039						
11,000.00	7,283.00	8,829.17	7,156.18	151.96	53.34	89.93	-1,592.36	6,503.58	3,123.20	2,922.52	200.68	15.563						
11,100.00	7,283.00	8,971.66	7,155.20	154.49	56.58	89.91	-1,593.11	6,646.07	3,123.95	2,917.09	206.86	15.102						
11,200.00	7,283.00	9,072.46	7,154.72	157.01	58.92	89.90	-1,592.83	6,746.87	3,123.84	2,911.99	211.85	14.746						
11,300.00	7,283.00	9,207.81	7,154.54	159.55	62.10	89.90	-1,591.73	6,882.22	3,123.21	2,905.32	217.89	14.334						
11,400.00	7,283.00	9,423.51	7,158.25	162.09	67.25	89.97	-1,585.21	7,097.77	3,120.65	2,894.47	226.18	13.797						
11,500.00	7,283.00	9,562.19	7,160.68	164.64	70.59	90.01	-1,576.98	7,236.18	3,114.82	2,882.55	232.27	13.410						
11,600.00	7,283.00	9,677.99	7,161.14	167.19	73.40	90.02	-1,569.27	7,351.73	3,108.32	2,870.56	237.76	13.073						
11,700.00	7,283.00	9,781.90	7,160.91	169.75	75.93	90.02	-1,561.98	7,455.38	3,101.46	2,858.50	242.97	12.765						
11,800.00	7,283.00	9,895.24	7,161.90	172.31	78.72	90.04	-1,553.89	7,568.42	3,094.51	2,846.08	248.43	12.456						
11,900.00	7,283.00	9,956.92	7,162.83	174.88	80.25	90.05	-1,549.44	7,629.93	3,087.60	2,835.04	252.56	12.225						
12,000.00	7,283.00	10,017.00	7,163.69	177.45	81.75	90.07	-1,546.43	7,689.93	3,082.52	2,825.90	256.62	12.012						
12,100.00	7,283.00	10,076.77	7,164.20	180.03	83.26	90.08	-1,544.21	7,749.66	3,078.74	2,818.08	260.65	11.812						
12,200.00	7,283.00	10,159.23	7,164.01	182.61	85.34	90.07	-1,541.37	7,832.07	3,075.47	2,810.15	265.32	11.591						
12,300.00	7,283.00	10,240.86	7,162.96	185.19	87.42	90.06	-1,539.16	7,913.66	3,072.92	2,802.95	269.97	11.382						
12,400.00	7,283.00	10,354.98	7,160.84	187.78	90.33	90.02	-1,536.32	8,027.72	3,070.62	2,795.03	275.59	11.142						
12,500.00	7,283.00	10,490.90	7,160.58	190.37	93.80	90.01	-1,531.42	8,163.56	3,067.15	2,785.32	281.84	10.883						
12,600.00	7,283.00	10,626.01	7,161.36	192.97	97.26	90.03	-1,525.02	8,298.51	3,062.56	2,774.53	288.04	10.633						
12,700.00	7,283.00	10,745.24	7,162.41	195.57	100.32	90.05	-1,518.36	8,417.55	3,057.14	2,763.36	293.78	10.406						
12,800.00	7,283.00	10,850.86	7,163.07	198.17	103.04	90.06	-1,511.98	8,522.98	3,051.26	2,752.10	299.16	10.199						
12,900.00	7,283.00	10,971.31	7,163.17	200.77	106.14	90.06	-1,504.32	8,643.18	3,045.08	2,740.14	304.93	9.986						
13,000.00	7,283.00	11,029.73	7,163.03	203.38	107.65	90.06	-1,500.80	8,701.50	3,039.19	2,730.12	309.07	9.833						
13,100.00	7,283.00	11,117.92	7,162.91	205.99	109.93	90.06	-1,496.46	8,789.58	3,034.41	2,720.40	314.00	9.664						
13,200.00	7,283.00	11,231.71	7,162.77	208.61	112.89	90.05	-1,490.44	8,903.21	3,029.28	2,709.64	319.64	9.477						
13,300.00	7,283.00	11,372.75	7,163.04	211.22	116.55	90.06	-1,481.54	9,043.96	3,023.07	2,697.09	325.99	9.274						
13,400.00	7,283.00	11,455.49	7,162.98	213.84	118.70	90.06	-1,476.21	9,126.53	3,016.77	2,685.97	330.80	9.120						
13,500.00	7,283.00	11,594.04	7,163.20	216.47	122.31	90.06	-1,466.70	9,264.76	3,010.09	2,673.03	337.06	8.931						
13,600.00	7,283.00	11,717.68	7,163.70	219.09	125.52	90.07	-1,456.76	9,387.99	3,002.20	2,659.30	342.90	8.755						
13,700.00	7,283.00	11,821.69	7,164.28	221.72	128.23	90.08	-1,447.98	9,491.62	2,993.92	2,645.65	348.27	8.597						
13,800.00	7,283.00	11,854.00	7,164.54	224.34	129.07	90.09	-1,445.23	9,523.82	2,986.35	2,634.49	351.86	8.487						
13,900.00	7,283.00	11,854.00	7,164.54	226.97	129.07	90.09	-1,445.23	9,523.82	2,981.94	2,627.60	354.34	8.416						
13,981.48	7,283.00	11,854.00	7,164.54	229.12	129.07	90.09	-1,445.23	9,523.82	2,980.83	2,624.74	356.08	8.371 CC						
14,000.00	7,283.00	11,854.00	7,164.54	229.61	129.07	90.09	-1,445.23	9,523.82	2,980.89	2,624.44	356.45	8.363 ES						
14,100.00	7,283.00	11,854.00	7,164.54	232.24	129.07	90.09	-1,445.23	9,523.82	2,983.18	2,625.01	358.17	8.329						
14,200.00	7,283.00	11,854.00	7,164.54	234.88	129.07	90.09	-1,445.23	9,523.82	2,988.83	2,629.32	359.51	8.314 SF						

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 126-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,283.00	11,854.00	7,164.54	237.52	129.07	90.09	-1,445.23	9,523.82	2,997.80	2,637.33	360.47	8.316		
14,400.00	7,283.00	11,854.00	7,164.54	240.16	129.07	90.09	-1,445.23	9,523.82	3,010.07	2,649.03	361.04	8.337		
14,500.00	7,283.00	11,854.00	7,164.54	242.80	129.07	90.09	-1,445.23	9,523.82	3,025.59	2,664.36	361.23	8.376		
14,600.00	7,283.00	11,854.00	7,164.54	245.44	129.07	90.09	-1,445.23	9,523.82	3,044.32	2,683.27	361.06	8.432		
14,700.00	7,283.00	11,854.00	7,164.54	248.09	129.07	90.09	-1,445.23	9,523.82	3,066.21	2,705.67	360.54	8.505		
14,800.00	7,283.00	11,854.00	7,164.54	250.74	129.07	90.09	-1,445.23	9,523.82	3,091.17	2,731.49	359.68	8.594		
14,900.00	7,283.00	11,854.00	7,164.54	253.38	129.07	90.09	-1,445.23	9,523.82	3,119.14	2,760.63	358.51	8.700		
15,000.00	7,283.00	11,854.00	7,164.54	256.03	129.07	90.09	-1,445.23	9,523.82	3,150.04	2,792.99	357.05	8.822		
15,100.00	7,283.00	11,854.00	7,164.54	258.69	129.07	90.09	-1,445.23	9,523.82	3,183.78	2,828.47	355.31	8.961		
15,200.00	7,283.00	11,854.00	7,164.54	261.34	129.07	90.09	-1,445.23	9,523.82	3,220.27	2,866.95	353.32	9.114		
15,300.00	7,283.00	11,854.00	7,164.54	263.99	129.07	90.09	-1,445.23	9,523.82	3,259.42	2,908.32	351.11	9.283		
15,400.00	7,283.00	11,854.00	7,164.54	266.65	129.07	90.09	-1,445.23	9,523.82	3,301.14	2,952.46	348.69	9.467		
15,500.00	7,283.00	11,854.00	7,164.54	269.31	129.07	90.09	-1,445.23	9,523.82	3,345.33	2,999.24	346.09	9.666		
15,600.00	7,283.00	11,854.00	7,164.54	271.96	129.07	90.09	-1,445.23	9,523.82	3,391.90	3,048.56	343.33	9.879		
15,700.00	7,283.00	11,854.00	7,164.54	274.62	129.07	90.09	-1,445.23	9,523.82	3,440.74	3,100.30	340.44	10.107		
15,800.00	7,283.00	11,854.00	7,164.54	277.28	129.07	90.09	-1,445.23	9,523.82	3,491.76	3,154.33	337.43	10.348		
15,900.00	7,283.00	11,854.00	7,164.54	279.94	129.07	90.09	-1,445.23	9,523.82	3,544.87	3,210.54	334.33	10.603		
16,000.00	7,283.00	11,854.00	7,164.54	282.61	129.07	90.09	-1,445.23	9,523.82	3,599.97	3,268.83	331.14	10.871		
16,100.00	7,283.00	11,854.00	7,164.54	285.27	129.07	90.09	-1,445.23	9,523.82	3,656.98	3,329.08	327.90	11.153		
16,200.00	7,283.00	11,854.00	7,164.54	287.94	129.07	90.09	-1,445.23	9,523.82	3,715.80	3,391.20	324.60	11.447		
16,300.00	7,283.00	11,854.00	7,164.54	290.60	129.07	90.09	-1,445.23	9,523.82	3,776.36	3,455.08	321.28	11.754		
16,400.00	7,283.00	11,854.00	7,164.54	293.27	129.07	90.09	-1,445.23	9,523.82	3,838.57	3,520.64	317.93	12.074		
16,500.00	7,283.00	11,854.00	7,164.54	295.94	129.07	90.09	-1,445.23	9,523.82	3,902.35	3,587.77	314.58	12.405		
16,600.00	7,283.00	11,854.00	7,164.54	298.60	129.07	90.09	-1,445.23	9,523.82	3,967.62	3,656.40	311.22	12.748		
16,700.00	7,283.00	11,854.00	7,164.54	301.27	129.07	90.09	-1,445.23	9,523.82	4,034.32	3,726.43	307.88	13.103		
16,800.00	7,283.00	11,854.00	7,164.54	303.94	129.07	90.09	-1,445.23	9,523.82	4,102.37	3,797.81	304.56	13.470		
16,900.00	7,283.00	11,854.00	7,164.54	306.62	129.07	90.09	-1,445.23	9,523.82	4,171.70	3,870.44	301.26	13.847		
17,000.00	7,283.00	11,854.00	7,164.54	309.29	129.07	90.09	-1,445.23	9,523.82	4,242.27	3,944.27	298.00	14.236		
17,100.00	7,283.00	11,854.00	7,164.54	311.96	129.07	90.09	-1,445.23	9,523.82	4,313.99	4,019.22	294.77	14.635		
17,200.00	7,283.00	11,854.00	7,164.54	314.63	129.07	90.09	-1,445.23	9,523.82	4,386.83	4,095.24	291.59	15.045		
17,300.00	7,283.00	11,854.00	7,164.54	317.31	129.07	90.09	-1,445.23	9,523.82	4,460.71	4,172.27	288.45	15.465		
17,400.00	7,283.00	11,854.00	7,164.54	319.98	129.07	90.09	-1,445.23	9,523.82	4,535.60	4,250.24	285.35	15.895		
17,500.00	7,283.00	11,854.00	7,164.54	322.66	129.07	90.09	-1,445.23	9,523.82	4,611.44	4,329.12	282.31	16.335		
17,600.00	7,283.00	11,854.00	7,164.54	325.34	129.07	90.09	-1,445.23	9,523.82	4,688.18	4,408.86	279.32	16.784		
17,700.00	7,283.00	11,854.00	7,164.54	328.01	129.07	90.09	-1,445.23	9,523.82	4,765.79	4,489.40	276.39	17.243		
17,800.00	7,283.00	11,854.00	7,164.54	330.69	129.07	90.09	-1,445.23	9,523.82	4,844.22	4,570.71	273.51	17.711		
17,900.00	7,283.00	11,854.00	7,164.54	333.37	129.07	90.09	-1,445.23	9,523.82	4,923.43	4,652.74	270.69	18.188		
18,000.00	7,283.00	11,854.00	7,164.54	336.05	129.07	90.09	-1,445.23	9,523.82	5,003.39	4,735.46	267.93	18.674		
18,100.00	7,283.00	11,854.00	7,164.54	338.73	129.07	90.09	-1,445.23	9,523.82	5,084.05	4,818.83	265.22	19.169		
18,200.00	7,283.00	11,854.00	7,164.54	341.41	129.07	90.09	-1,445.23	9,523.82	5,165.39	4,902.82	262.58	19.672		
18,300.00	7,283.00	11,854.00	7,164.54	344.09	129.07	90.09	-1,445.23	9,523.82	5,247.38	4,987.39	259.98	20.183		
18,400.00	7,283.00	11,854.00	7,164.54	346.77	129.07	90.09	-1,445.23	9,523.82	5,329.98	5,072.53	257.45	20.703		
18,500.00	7,283.00	11,854.00	7,164.54	349.46	129.07	90.09	-1,445.23	9,523.82	5,413.17	5,158.19	254.97	21.230		
18,600.00	7,283.00	11,854.00	7,164.54	352.14	129.07	90.09	-1,445.23	9,523.82	5,496.92	5,244.36	252.55	21.765		
18,700.00	7,283.00	11,854.00	7,164.54	354.82	129.07	90.09	-1,445.23	9,523.82	5,581.20	5,331.01	250.19	22.308		
18,800.00	7,283.00	11,854.00	7,164.54	357.51	129.07	90.09	-1,445.23	9,523.82	5,666.00	5,418.12	247.88	22.858		
18,900.00	7,283.00	11,854.00	7,164.54	360.19	129.07	90.09	-1,445.23	9,523.82	5,751.28	5,505.66	245.62	23.415		
19,000.00	7,283.00	11,854.00	7,164.54	362.88	129.07	90.09	-1,445.23	9,523.82	5,837.03	5,593.62	243.41	23.980		
19,100.00	7,283.00	11,854.00	7,164.54	365.56	129.07	90.09	-1,445.23	9,523.82	5,923.23	5,681.97	241.26	24.551		
19,200.00	7,283.00	11,854.00	7,164.54	368.25	129.07	90.09	-1,445.23	9,523.82	6,009.85	5,770.69	239.16	25.129		
19,247.68	7,283.00	11,854.00	7,164.54	369.53	129.07	90.09	-1,445.23	9,523.82	6,051.30	5,813.12	238.17	25.407		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 126-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	0.00	0.00	0.27	0.00	92.04	-176.26	4,943.14	4,946.33	4,946.06	0.27	N/A		
200.00	200.00	95.13	95.13	0.63	0.15	92.04	-176.33	4,942.96	4,946.14	4,945.36	0.78	6,338.253		
300.00	299.98	234.97	234.96	0.98	0.59	22.48	-177.45	4,941.88	4,943.80	4,942.22	1.58	3,136.355		
400.00	399.84	346.73	346.63	1.34	1.00	22.60	-181.48	4,940.26	4,937.64	4,935.30	2.34	2,110.014		
500.00	499.45	449.11	448.67	1.71	1.38	22.80	-189.48	4,938.42	4,928.10	4,925.01	3.09	1,596.420		
600.00	598.70	532.32	531.38	2.10	1.71	23.05	-198.43	4,937.04	4,915.63	4,911.85	3.78	1,301.136		
700.00	697.47	667.64	665.36	2.51	2.27	23.50	-217.10	4,933.92	4,899.48	4,894.77	4.71	1,039.992		
800.00	795.62	771.49	767.62	2.95	2.73	23.97	-234.98	4,931.11	4,880.11	4,874.56	5.55	879.203		
900.00	893.06	906.13	899.23	3.43	3.37	24.65	-262.97	4,926.38	4,857.16	4,850.58	6.58	737.765		
1,000.00	989.64	1,005.69	996.25	3.95	3.87	25.28	-284.96	4,922.45	4,831.02	4,823.54	7.48	645.819		
1,100.00	1,085.27	1,091.18	1,079.56	4.52	4.30	25.91	-303.78	4,918.82	4,801.79	4,793.47	8.32	576.846		
1,200.00	1,179.82	1,158.00	1,144.82	5.14	4.64	26.50	-317.96	4,916.51	4,770.39	4,761.30	9.09	524.809		
1,300.00	1,273.17	1,220.39	1,205.87	5.81	4.94	27.11	-330.66	4,914.71	4,736.71	4,726.86	9.85	481.078		
1,400.00	1,365.21	1,332.90	1,316.01	6.54	5.50	28.03	-353.30	4,911.02	4,700.05	4,689.18	10.87	432.350		
1,500.00	1,455.84	1,396.88	1,378.63	7.33	5.82	28.77	-366.30	4,908.78	4,660.73	4,649.05	11.68	399.021		
1,600.00	1,544.94	1,442.64	1,423.52	8.19	6.04	29.46	-375.05	4,907.66	4,619.60	4,607.17	12.43	371.734		
1,700.00	1,632.39	1,549.97	1,528.87	9.12	6.56	30.57	-395.44	4,905.11	4,576.09	4,562.59	13.49	339.101		
1,800.00	1,718.11	1,637.36	1,614.54	10.11	6.99	31.67	-412.50	4,902.67	4,529.94	4,515.44	14.51	312.298		
1,900.00	1,801.97	1,715.15	1,690.73	11.18	7.38	32.80	-428.07	4,900.38	4,481.48	4,465.97	15.51	288.930		
1,969.27	1,858.92	1,807.14	1,780.59	11.96	7.84	33.94	-447.41	4,896.77	4,446.07	4,429.64	16.43	270.632		
2,000.00	1,883.98	1,850.20	1,822.58	12.31	8.06	34.29	-456.67	4,894.80	4,430.05	4,413.19	16.85	262.854		
2,100.00	1,965.50	1,895.58	1,866.89	13.48	8.30	34.65	-466.30	4,892.90	4,378.63	4,360.85	17.77	246.350		
2,200.00	2,047.03	1,971.37	1,940.97	14.65	8.68	35.25	-482.06	4,890.09	4,327.98	4,309.11	18.87	229.335		
2,300.00	2,128.56	2,045.14	2,013.04	15.84	9.06	35.85	-497.56	4,887.14	4,277.61	4,257.62	19.99	214.008		
2,400.00	2,210.09	2,105.06	2,071.51	17.03	9.37	36.36	-510.45	4,884.84	4,227.93	4,206.87	21.06	200.726		
2,500.00	2,291.61	2,182.88	2,147.34	18.23	9.78	37.02	-527.68	4,881.84	4,178.84	4,156.58	22.26	187.703		
2,600.00	2,373.14	2,264.83	2,227.16	19.44	10.21	37.74	-545.94	4,878.52	4,130.20	4,106.69	23.51	175.683		
2,700.00	2,454.67	2,363.30	2,323.13	20.64	10.72	38.62	-567.53	4,874.22	4,081.86	4,056.99	24.87	164.111		
2,800.00	2,536.20	2,461.98	2,418.77	21.86	11.26	39.54	-591.20	4,868.71	4,033.58	4,007.30	26.29	153.453		
2,900.00	2,617.72	2,550.89	2,505.01	23.07	11.74	40.39	-612.13	4,863.34	3,985.57	3,957.91	27.67	144.062		
3,000.00	2,699.25	2,630.08	2,582.39	24.29	12.15	41.13	-628.34	4,858.90	3,937.96	3,908.97	28.99	135.824		
3,100.00	2,780.78	2,683.00	2,634.25	25.50	12.41	41.62	-638.51	4,856.09	3,891.01	3,860.80	30.20	128.835		
3,200.00	2,862.31	2,736.20	2,686.43	26.73	12.67	42.11	-648.60	4,853.59	3,845.06	3,813.63	31.43	122.340		
3,300.00	2,943.83	2,779.48	2,728.87	27.95	12.89	42.52	-656.93	4,851.95	3,800.41	3,767.78	32.63	116.470		
3,400.00	3,025.36	2,911.29	2,858.10	29.17	13.54	43.79	-682.18	4,846.12	3,755.84	3,721.53	34.30	109.496		
3,500.00	3,106.89	2,982.48	2,927.95	30.40	13.89	44.49	-695.50	4,842.70	3,711.73	3,676.04	35.69	103.994		
3,600.00	3,188.42	3,051.72	2,995.90	31.62	14.22	45.17	-708.39	4,839.47	3,668.41	3,631.32	37.10	98.891		
3,700.00	3,269.94	3,121.90	3,064.83	32.85	14.56	45.87	-721.25	4,836.35	3,625.92	3,587.40	38.52	94.122		
3,800.00	3,351.47	3,198.86	3,140.55	34.07	14.93	46.65	-734.66	4,833.24	3,584.22	3,544.22	40.00	89.607		
3,900.00	3,433.00	3,271.73	3,212.41	35.30	15.26	47.37	-746.41	4,830.55	3,543.16	3,501.69	41.47	85.444		
4,000.00	3,514.53	3,324.62	3,264.60	36.53	15.51	47.90	-754.85	4,828.89	3,503.20	3,460.34	42.86	81.738		
4,100.00	3,596.05	3,388.86	3,327.99	37.76	15.80	48.56	-765.12	4,827.27	3,464.44	3,420.11	44.32	78.165		
4,200.00	3,677.58	3,459.21	3,397.49	38.99	16.11	49.27	-775.91	4,825.79	3,426.58	3,380.75	45.83	74.761		
4,300.00	3,759.11	3,519.66	3,457.11	40.22	16.39	49.90	-785.79	4,824.47	3,389.80	3,342.48	47.33	71.625		
4,400.00	3,840.64	3,576.53	3,513.02	41.45	16.67	50.52	-796.12	4,823.04	3,354.28	3,305.44	48.84	68.676		
4,500.00	3,922.16	3,633.00	3,568.28	42.68	16.94	51.15	-807.62	4,821.36	3,320.14	3,269.75	50.39	65.893		
4,600.00	4,003.69	3,672.57	3,606.85	43.91	17.16	51.61	-816.37	4,820.17	3,287.61	3,235.75	51.86	63.388		
4,700.00	4,085.22	3,728.00	3,660.69	45.15	17.45	52.07	-829.44	4,818.76	3,256.96	3,203.50	53.46	60.921		
4,800.00	4,166.75	3,873.74	3,801.85	46.38	18.25	54.05	-865.01	4,811.93	3,226.38	3,170.66	55.73	57.897		
4,900.00	4,248.27	3,955.99	3,881.94	47.61	18.69	55.05	-883.34	4,808.18	3,196.45	3,138.91	57.55	55.544		
5,000.00	4,329.80	4,036.07	3,960.17	48.84	19.10	56.02	-900.10	4,804.68	3,167.28	3,107.92	59.36	53.357		
5,100.00	4,411.33	4,085.39	4,008.19	50.08	19.37	56.64	-911.12	4,802.31	3,139.68	3,078.68	60.99	51.475		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 126-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,492.86	4,162.73	4,083.20	51.31	19.78	57.63	-929.52	4,798.28	3,113.74	3,050.89	62.85	49.545		
5,300.00	4,574.38	4,239.34	4,157.65	52.54	20.20	58.61	-947.13	4,794.23	3,088.76	3,024.05	64.71	47.736		
5,400.00	4,655.91	4,298.00	4,214.52	53.78	20.52	59.37	-961.12	4,790.96	3,065.38	2,998.94	66.45	46.133		
5,500.00	4,737.44	4,334.19	4,249.55	55.01	20.72	59.85	-970.02	4,789.08	3,044.01	2,975.99	68.02	44.750		
5,600.00	4,818.97	4,393.00	4,306.42	56.24	21.05	60.62	-984.82	4,786.89	3,025.08	2,955.32	69.77	43.360		
5,700.00	4,900.49	4,483.79	4,394.28	57.48	21.56	61.82	-1,007.44	4,783.56	3,007.80	2,936.04	71.76	41.913		
5,800.00	4,982.02	4,542.55	4,451.18	58.71	21.88	62.61	-1,021.87	4,780.91	2,991.28	2,917.77	73.51	40.695		
5,900.00	5,063.55	4,697.33	4,600.61	59.95	22.76	64.72	-1,061.04	4,771.57	2,976.38	2,900.33	76.04	39.140		
6,000.00	5,145.08	4,822.86	4,722.65	61.18	23.43	66.43	-1,088.98	4,762.54	2,960.43	2,882.14	78.29	37.811		
6,100.00	5,226.60	4,927.78	4,825.50	62.42	23.95	67.82	-1,108.89	4,756.67	2,945.22	2,864.89	80.32	36.666		
6,200.00	5,308.13	5,006.83	4,903.27	63.65	24.33	68.85	-1,122.51	4,752.73	2,930.81	2,848.65	82.16	35.673		
6,300.00	5,389.66	5,057.00	4,952.52	64.89	24.57	69.52	-1,131.60	4,749.91	2,918.15	2,834.36	83.79	34.827		
6,400.00	5,471.19	5,119.38	5,013.74	66.12	24.87	70.35	-1,143.13	4,746.73	2,907.44	2,821.95	85.49	34.010		
6,500.00	5,552.72	5,179.42	5,072.73	67.36	25.16	71.14	-1,154.13	4,744.48	2,898.76	2,811.61	87.15	33.263		
6,600.00	5,634.24	5,248.44	5,140.43	68.59	25.50	72.06	-1,167.18	4,741.65	2,891.81	2,802.96	88.85	32.547		
6,700.00	5,715.77	5,333.72	5,224.13	69.83	25.92	73.20	-1,183.19	4,738.18	2,886.34	2,795.69	90.65	31.839		
6,800.00	5,797.30	5,406.95	5,296.10	71.06	26.27	74.17	-1,196.47	4,735.62	2,882.27	2,789.93	92.34	31.214		
6,900.00	5,878.83	5,484.61	5,372.44	72.30	26.64	75.19	-1,210.48	4,733.04	2,879.74	2,785.71	94.03	30.625		
7,000.00	5,960.35	5,564.13	5,470.30	73.53	27.11	76.51	-1,228.19	4,729.42	2,878.51	2,782.65	95.86	30.029		
7,100.00	6,041.88	5,732.31	5,616.71	74.77	27.78	78.43	-1,250.67	4,725.48	2,877.45	2,779.49	97.96	29.374		
7,200.00	6,123.41	5,841.05	5,724.37	76.01	28.24	79.83	-1,265.47	4,721.63	2,876.47	2,776.72	99.75	28.836		
7,300.00	6,204.94	6,064.91	5,947.04	77.24	29.10	82.64	-1,286.99	4,715.57	2,874.55	2,772.51	102.04	28.172		
7,400.00	6,286.46	6,257.93	6,139.87	78.48	29.69	84.95	-1,294.32	4,712.90	2,870.27	2,766.37	103.90	27.625		
7,500.00	6,367.99	6,328.26	6,210.20	79.71	29.87	85.75	-1,294.46	4,713.54	2,865.46	2,760.12	105.34	27.202		
7,600.00	6,449.52	6,385.00	6,266.85	80.95	30.00	86.36	-1,294.28	4,716.64	2,862.79	2,756.08	106.71	26.827		
7,700.00	6,531.05	6,437.32	6,318.88	82.19	30.11	86.88	-1,293.63	4,722.00	2,861.98	2,753.95	108.02	26.494		
7,704.45	6,534.67	6,440.38	6,321.92	82.24	30.12	86.91	-1,293.56	4,722.39	2,861.98	2,753.89	108.08	26.479		
7,800.00	6,612.57	6,479.00	6,360.08	83.42	30.20	87.26	-1,292.49	4,728.19	2,862.77	2,753.49	109.28	26.197		
7,900.00	6,694.10	6,541.27	6,421.11	84.66	30.31	87.77	-1,290.51	4,740.32	2,865.29	2,754.74	110.54	25.921		
8,000.00	6,775.63	6,574.00	6,452.92	85.89	30.37	88.02	-1,289.57	4,747.98	2,870.01	2,758.33	111.68	25.699		
8,100.00	6,857.16	6,626.01	6,503.01	87.13	30.47	88.38	-1,288.37	4,761.90	2,876.74	2,763.90	112.84	25.493		
8,200.00	6,938.68	6,668.00	6,543.00	88.37	30.54	88.64	-1,287.77	4,774.70	2,885.64	2,771.71	113.93	25.327		
8,300.00	7,020.21	6,712.13	6,584.29	89.60	30.62	88.88	-1,287.22	4,790.25	2,896.56	2,781.57	114.99	25.190		
8,310.57	7,028.83	6,716.95	6,588.73	89.73	30.62	88.91	-1,287.15	4,792.11	2,897.83	2,782.73	115.10	25.177		
8,350.00	7,060.23	6,755.00	6,623.33	90.25	30.69	86.64	-1,286.53	4,807.93	2,902.30	2,786.64	115.65	25.095		
8,400.00	7,097.77	6,755.00	6,623.33	90.98	30.69	84.21	-1,286.53	4,807.93	2,906.38	2,790.23	116.14	25.024		
8,450.00	7,132.48	6,755.00	6,623.33	91.79	30.69	82.33	-1,286.53	4,807.93	2,909.40	2,792.72	116.68	24.934		
8,500.00	7,164.10	6,755.00	6,623.33	92.67	30.69	80.89	-1,286.53	4,807.93	2,911.35	2,794.07	117.28	24.825		
8,550.00	7,192.40	6,755.00	6,623.33	93.63	30.69	79.81	-1,286.53	4,807.93	2,912.21	2,794.29	117.92	24.697		
8,600.00	7,217.15	6,795.52	6,658.00	94.64	30.73	79.47	-1,285.83	4,828.79	2,910.70	2,791.78	118.92	24.475		
8,650.00	7,238.16	6,805.36	6,665.86	95.70	30.74	79.12	-1,285.67	4,834.71	2,908.72	2,788.97	119.75	24.290		
8,700.00	7,255.29	6,850.00	6,698.18	96.80	30.79	79.36	-1,285.05	4,865.41	2,906.46	2,785.54	120.91	24.038		
8,750.00	7,268.39	6,850.00	6,698.18	97.92	30.79	79.46	-1,285.05	4,865.41	2,901.68	2,779.95	121.73	23.836		
8,800.00	7,277.37	6,850.00	6,698.18	99.06	30.79	79.76	-1,285.05	4,865.41	2,895.95	2,773.38	122.56	23.628		
8,850.00	7,282.15	6,850.00	6,698.18	100.20	30.79	80.26	-1,285.05	4,865.41	2,889.28	2,765.89	123.40	23.415		
8,881.61	7,283.00	6,850.00	6,698.18	100.91	30.79	80.68	-1,285.05	4,865.41	2,884.62	2,760.70	123.92	23.278		
8,900.00	7,283.00	6,850.00	6,698.18	101.33	30.79	80.68	-1,285.05	4,865.41	2,881.86	2,757.63	124.22	23.199		
9,000.00	7,283.00	6,850.00	6,698.18	103.59	30.79	80.68	-1,285.05	4,865.41	2,868.87	2,743.04	125.84	22.799		
9,100.00	7,283.00	6,893.12	6,724.80	105.67	30.82	81.21	-1,285.06	4,899.30	2,858.07	2,730.14	127.93	22.342		
9,200.00	7,283.00	6,945.00	6,751.90	108.18	30.86	81.75	-1,286.52	4,943.48	2,851.09	2,720.97	130.12	21.911		
9,300.00	7,283.00	6,945.00	6,751.90	110.50	30.86	81.75	-1,286.52	4,943.48	2,845.78	2,714.15	131.62	21.621		
9,400.00	7,283.00	7,155.57	6,836.14	112.84	30.96	83.44	-1,286.17	5,136.11	2,839.72	2,703.28	136.44	20.813		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 126-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,500.00	7,283.00	7,241.90	6,856.74	115.19	31.03	83.84	-1,282.84	5,219.82	2,833.21	2,693.65	139.55	20.302		
9,600.00	7,283.00	7,367.49	6,874.13	117.56	31.31	84.18	-1,276.46	5,344.00	2,826.89	2,683.32	143.58	19.689		
9,700.00	7,283.00	7,437.84	6,878.18	119.95	31.65	84.25	-1,272.12	5,414.07	2,820.31	2,673.58	146.73	19.221		
9,800.00	7,283.00	7,500.08	6,877.58	122.34	32.13	84.24	-1,268.52	5,476.20	2,814.84	2,665.06	149.78	18.793		
9,900.00	7,283.00	7,568.84	6,877.02	124.76	32.86	84.22	-1,265.57	5,544.90	2,810.75	2,657.71	153.04	18.366		
10,000.00	7,283.00	7,642.00	6,878.38	127.18	33.83	84.24	-1,262.88	5,617.99	2,807.21	2,650.71	156.49	17.938		
10,100.00	7,283.00	7,737.00	6,882.17	129.61	35.33	84.31	-1,260.53	5,712.88	2,804.51	2,643.90	160.61	17.461		
10,200.00	7,283.00	7,777.91	6,883.97	132.06	36.05	84.35	-1,260.20	5,753.76	2,803.20	2,639.80	163.40	17.155		
10,224.00	7,283.00	7,790.65	6,884.55	132.65	36.28	84.36	-1,260.21	5,766.48	2,803.15	2,639.01	164.15	17.077		
10,300.00	7,283.00	7,832.00	6,886.43	134.52	37.02	84.40	-1,260.59	5,807.78	2,803.62	2,637.10	166.52	16.836		
10,400.00	7,283.00	7,893.00	6,888.90	136.98	38.19	84.45	-1,261.92	5,868.72	2,805.56	2,635.68	169.88	16.515		
10,500.00	7,283.00	7,979.70	6,891.19	139.46	39.91	84.51	-1,264.72	5,955.34	2,808.65	2,634.62	174.03	16.139		
10,600.00	7,283.00	8,073.30	6,891.84	141.94	41.84	84.52	-1,267.49	6,048.90	2,811.70	2,633.25	178.46	15.756		
10,700.00	7,283.00	8,158.57	6,889.95	144.44	43.66	84.49	-1,270.28	6,134.10	2,815.32	2,632.65	182.67	15.412		
10,800.00	7,283.00	8,245.14	6,886.76	146.94	45.56	84.43	-1,273.32	6,220.55	2,819.35	2,632.39	186.96	15.080		
10,900.00	7,283.00	8,336.31	6,881.51	149.45	47.60	84.33	-1,276.88	6,311.50	2,823.96	2,632.53	191.43	14.752		
11,000.00	7,283.00	8,568.68	6,875.45	151.96	52.96	84.22	-1,281.61	6,543.64	2,826.64	2,626.08	200.55	14.094		
11,073.34	7,283.00	8,640.49	6,876.31	153.81	54.65	84.24	-1,281.08	6,615.44	2,826.14	2,622.02	204.12	13.845		
11,100.00	7,283.00	8,652.80	6,876.37	154.49	54.94	84.24	-1,281.10	6,627.75	2,826.20	2,621.22	204.98	13.788		
11,200.00	7,283.00	8,717.78	6,876.07	157.01	56.49	84.24	-1,281.94	6,692.73	2,827.58	2,618.78	208.80	13.542		
11,300.00	7,283.00	8,817.74	6,876.18	159.55	58.90	84.24	-1,283.36	6,792.67	2,829.14	2,615.36	213.79	13.234		
11,400.00	7,283.00	9,026.09	6,873.74	162.09	63.98	84.19	-1,282.77	7,000.97	2,829.32	2,607.07	222.25	12.730		
11,500.00	7,283.00	9,142.66	6,873.28	164.64	66.85	84.18	-1,279.99	7,117.50	2,827.19	2,599.39	227.80	12.411		
11,600.00	7,283.00	9,226.80	6,873.72	167.19	68.94	84.18	-1,277.74	7,201.61	2,824.66	2,592.27	232.39	12.155		
11,700.00	7,283.00	9,339.96	6,873.71	169.75	71.76	84.18	-1,275.16	7,314.74	2,822.59	2,584.71	237.88	11.865		
11,800.00	7,283.00	9,436.10	6,874.09	172.31	74.18	84.18	-1,272.55	7,410.84	2,820.02	2,577.15	242.87	11.611		
11,900.00	7,283.00	9,567.65	6,874.09	174.88	77.50	84.17	-1,268.04	7,542.31	2,816.70	2,567.74	248.96	11.314		
12,000.00	7,283.00	9,637.00	6,873.61	177.45	79.26	84.16	-1,265.80	7,611.63	2,813.70	2,560.55	253.15	11.115		
12,100.00	7,283.00	9,742.02	6,871.80	180.03	81.93	84.11	-1,262.72	7,716.58	2,811.13	2,552.69	258.44	10.877		
12,200.00	7,283.00	9,827.63	6,870.40	182.61	84.12	84.08	-1,260.37	7,802.15	2,808.74	2,545.60	263.14	10.674		
12,300.00	7,283.00	9,922.00	6,869.79	185.19	86.54	84.06	-1,258.10	7,896.49	2,806.58	2,538.45	268.13	10.467		
12,400.00	7,283.00	10,017.00	6,869.68	187.78	88.99	84.06	-1,256.13	7,991.47	2,804.69	2,531.54	273.15	10.268		
12,500.00	7,283.00	10,075.28	6,869.19	190.37	90.50	84.05	-1,255.44	8,049.75	2,803.73	2,526.75	276.98	10.122		
12,600.00	7,283.00	10,302.00	6,866.99	192.97	96.38	83.99	-1,251.22	8,276.37	2,803.34	2,517.23	286.11	9.798		
12,700.00	7,283.00	10,360.09	6,865.16	195.57	97.89	83.95	-1,248.54	8,334.37	2,799.26	2,509.21	290.05	9.651		
12,800.00	7,283.00	10,397.00	6,863.90	198.17	98.85	83.92	-1,247.31	8,371.24	2,796.86	2,503.60	293.26	9.537		
12,900.00	7,283.00	10,469.68	6,861.21	200.77	100.74	83.87	-1,246.04	8,443.86	2,795.86	2,498.31	297.54	9.396		
12,924.00	7,283.00	10,492.00	6,860.32	201.40	101.33	83.85	-1,245.97	8,466.16	2,795.92	2,497.19	298.73	9.359		
13,000.00	7,283.00	10,548.39	6,858.28	203.38	102.80	83.81	-1,246.03	8,522.51	2,796.36	2,494.34	302.02	9.259		
13,100.00	7,283.00	10,654.13	6,855.30	205.99	105.58	83.75	-1,246.23	8,628.21	2,797.02	2,489.60	307.42	9.098		
13,200.00	7,283.00	10,752.94	6,853.64	208.61	108.18	83.71	-1,246.34	8,726.99	2,797.48	2,484.87	312.61	8.949		
13,300.00	7,283.00	10,866.31	6,856.70	211.22	111.17	83.78	-1,246.91	8,840.32	2,797.86	2,479.51	318.36	8.788		
13,400.00	7,283.00	10,945.92	6,859.71	213.84	113.28	83.84	-1,247.42	8,919.87	2,798.26	2,475.30	322.95	8.665		
13,500.00	7,283.00	11,031.65	6,862.66	216.47	115.54	83.90	-1,248.53	9,005.54	2,799.34	2,471.59	327.75	8.541		
13,600.00	7,283.00	11,208.88	6,864.54	219.09	120.23	83.94	-1,248.36	9,182.74	2,799.32	2,463.66	335.66	8.340		
13,700.00	7,283.00	11,377.15	6,864.11	221.72	124.67	83.92	-1,243.52	9,350.93	2,796.66	2,453.63	343.03	8.153		
13,800.00	7,283.00	11,482.55	6,865.98	224.34	127.45	83.95	-1,239.27	9,456.23	2,792.62	2,444.14	348.48	8.014		
13,900.00	7,283.00	11,550.00	6,867.95	226.97	129.23	83.99	-1,236.59	9,523.59	2,788.72	2,435.92	352.80	7.905		
13,981.59	7,283.00	11,550.00	6,867.95	229.12	129.23	83.99	-1,236.59	9,523.59	2,787.52	2,433.06	354.46	7.864 CC		
14,000.00	7,283.00	11,550.00	6,867.95	229.61	129.23	83.99	-1,236.59	9,523.59	2,787.59	2,432.79	354.80	7.857 ES		
14,100.00	7,283.00	11,550.00	6,867.95	232.24	129.23	83.99	-1,236.59	9,523.59	2,790.04	2,433.67	356.37	7.829		
14,200.00	7,283.00	11,550.00	6,867.95	234.88	129.23	83.99	-1,236.59	9,523.59	2,796.07	2,438.58	357.49	7.821 SF		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 126-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,283.00	11,550.00	6,867.95	237.52	129.23	83.99	-1,236.59	9,523.59	2,805.65	2,447.48	358.17	7.833		
14,400.00	7,283.00	11,550.00	6,867.95	240.16	129.23	83.99	-1,236.59	9,523.59	2,818.75	2,460.33	358.42	7.864		
14,500.00	7,283.00	11,550.00	6,867.95	242.80	129.23	83.99	-1,236.59	9,523.59	2,835.32	2,477.07	358.25	7.914		
14,600.00	7,283.00	11,550.00	6,867.95	245.44	129.23	83.99	-1,236.59	9,523.59	2,855.30	2,497.62	357.68	7.983		
14,700.00	7,283.00	11,550.00	6,867.95	248.09	129.23	83.99	-1,236.59	9,523.59	2,878.61	2,521.90	356.71	8.070		
14,800.00	7,283.00	11,550.00	6,867.95	250.74	129.23	83.99	-1,236.59	9,523.59	2,905.18	2,549.80	355.38	8.175		
14,900.00	7,283.00	11,550.00	6,867.95	253.38	129.23	83.99	-1,236.59	9,523.59	2,934.92	2,581.21	353.71	8.298		
15,000.00	7,283.00	11,550.00	6,867.95	256.03	129.23	83.99	-1,236.59	9,523.59	2,967.73	2,616.01	351.72	8.438		
15,100.00	7,283.00	11,550.00	6,867.95	258.69	129.23	83.99	-1,236.59	9,523.59	3,003.52	2,654.07	349.45	8.595		
15,200.00	7,283.00	11,550.00	6,867.95	261.34	129.23	83.99	-1,236.59	9,523.59	3,042.17	2,695.25	346.92	8.769		
15,300.00	7,283.00	11,550.00	6,867.95	263.99	129.23	83.99	-1,236.59	9,523.59	3,083.58	2,739.42	344.17	8.960		
15,400.00	7,283.00	11,550.00	6,867.95	266.65	129.23	83.99	-1,236.59	9,523.59	3,127.65	2,786.44	341.21	9.166		
15,500.00	7,283.00	11,550.00	6,867.95	269.31	129.23	83.99	-1,236.59	9,523.59	3,174.25	2,836.17	338.08	9.389		
15,600.00	7,283.00	11,550.00	6,867.95	271.96	129.23	83.99	-1,236.59	9,523.59	3,223.28	2,888.48	334.80	9.628		
15,700.00	7,283.00	11,550.00	6,867.95	274.62	129.23	83.99	-1,236.59	9,523.59	3,274.63	2,943.23	331.40	9.881		
15,800.00	7,283.00	11,550.00	6,867.95	277.28	129.23	83.99	-1,236.59	9,523.59	3,328.20	3,000.30	327.90	10.150		
15,900.00	7,283.00	11,550.00	6,867.95	279.94	129.23	83.99	-1,236.59	9,523.59	3,383.87	3,059.55	324.32	10.434		
16,000.00	7,283.00	11,550.00	6,867.95	282.61	129.23	83.99	-1,236.59	9,523.59	3,441.55	3,120.86	320.69	10.732		
16,100.00	7,283.00	11,550.00	6,867.95	285.27	129.23	83.99	-1,236.59	9,523.59	3,501.13	3,184.12	317.01	11.044		
16,200.00	7,283.00	11,550.00	6,867.95	287.94	129.23	83.99	-1,236.59	9,523.59	3,562.53	3,249.21	313.32	11.370		
16,300.00	7,283.00	11,550.00	6,867.95	290.60	129.23	83.99	-1,236.59	9,523.59	3,625.64	3,316.03	309.61	11.710		
16,400.00	7,283.00	11,550.00	6,867.95	293.27	129.23	83.99	-1,236.59	9,523.59	3,690.39	3,384.48	305.91	12.064		
16,500.00	7,283.00	11,550.00	6,867.95	295.94	129.23	83.99	-1,236.59	9,523.59	3,756.68	3,454.46	302.22	12.430		
16,600.00	7,283.00	11,550.00	6,867.95	298.60	129.23	83.99	-1,236.59	9,523.59	3,824.44	3,525.88	298.55	12.810		
16,700.00	7,283.00	11,550.00	6,867.95	301.27	129.23	83.99	-1,236.59	9,523.59	3,893.59	3,598.66	294.93	13.202		
16,800.00	7,283.00	11,550.00	6,867.95	303.94	129.23	83.99	-1,236.59	9,523.59	3,964.05	3,672.71	291.34	13.606		
16,900.00	7,283.00	11,550.00	6,867.95	306.62	129.23	83.99	-1,236.59	9,523.59	4,035.76	3,747.97	287.79	14.023		
17,000.00	7,283.00	11,550.00	6,867.95	309.29	129.23	83.99	-1,236.59	9,523.59	4,108.66	3,824.35	284.30	14.452		
17,100.00	7,283.00	11,550.00	6,867.95	311.96	129.23	83.99	-1,236.59	9,523.59	4,182.67	3,901.80	280.87	14.892		
17,200.00	7,283.00	11,550.00	6,867.95	314.63	129.23	83.99	-1,236.59	9,523.59	4,257.75	3,980.25	277.50	15.343		
17,300.00	7,283.00	11,550.00	6,867.95	317.31	129.23	83.99	-1,236.59	9,523.59	4,333.83	4,059.65	274.19	15.806		
17,400.00	7,283.00	11,550.00	6,867.95	319.98	129.23	83.99	-1,236.59	9,523.59	4,410.87	4,139.93	270.94	16.280		
17,500.00	7,283.00	11,550.00	6,867.95	322.66	129.23	83.99	-1,236.59	9,523.59	4,488.82	4,221.05	267.76	16.764		
17,600.00	7,283.00	11,550.00	6,867.95	325.34	129.23	83.99	-1,236.59	9,523.59	4,567.62	4,302.97	264.65	17.259		
17,700.00	7,283.00	11,550.00	6,867.95	328.01	129.23	83.99	-1,236.59	9,523.59	4,647.24	4,385.63	261.61	17.764		
17,800.00	7,283.00	11,550.00	6,867.95	330.69	129.23	83.99	-1,236.59	9,523.59	4,727.63	4,469.00	258.63	18.279		
17,900.00	7,283.00	11,550.00	6,867.95	333.37	129.23	83.99	-1,236.59	9,523.59	4,808.76	4,553.04	255.72	18.804		
18,000.00	7,283.00	11,550.00	6,867.95	336.05	129.23	83.99	-1,236.59	9,523.59	4,890.59	4,637.70	252.89	19.339		
18,100.00	7,283.00	11,550.00	6,867.95	338.73	129.23	83.99	-1,236.59	9,523.59	4,973.08	4,722.97	250.12	19.883		
18,200.00	7,283.00	11,550.00	6,867.95	341.41	129.23	83.99	-1,236.59	9,523.59	5,056.21	4,808.79	247.41	20.436		
18,300.00	7,283.00	11,550.00	6,867.95	344.09	129.23	83.99	-1,236.59	9,523.59	5,139.93	4,895.16	244.78	20.999		
18,400.00	7,283.00	11,550.00	6,867.95	346.77	129.23	83.99	-1,236.59	9,523.59	5,224.23	4,982.03	242.20	21.570		
18,500.00	7,283.00	11,550.00	6,867.95	349.46	129.23	83.99	-1,236.59	9,523.59	5,309.08	5,069.38	239.70	22.149		
18,600.00	7,283.00	11,550.00	6,867.95	352.14	129.23	83.99	-1,236.59	9,523.59	5,394.44	5,157.19	237.25	22.737		
18,700.00	7,283.00	11,550.00	6,867.95	354.82	129.23	83.99	-1,236.59	9,523.59	5,480.30	5,245.43	234.87	23.333		
18,800.00	7,283.00	11,550.00	6,867.95	357.51	129.23	83.99	-1,236.59	9,523.59	5,566.63	5,334.08	232.55	23.938		
18,900.00	7,283.00	11,550.00	6,867.95	360.19	129.23	83.99	-1,236.59	9,523.59	5,653.41	5,423.12	230.28	24.550		
19,000.00	7,283.00	11,550.00	6,867.95	362.88	129.23	83.99	-1,236.59	9,523.59	5,740.62	5,512.54	228.08	25.170		
19,100.00	7,283.00	11,550.00	6,867.95	365.56	129.23	83.99	-1,236.59	9,523.59	5,828.24	5,602.31	225.93	25.797		
19,200.00	7,283.00	11,550.00	6,867.95	368.25	129.23	83.99	-1,236.59	9,523.59	5,916.25	5,692.42	223.83	26.432		
19,247.68	7,283.00	11,550.00	6,867.95	369.53	129.23	83.99	-1,236.59	9,523.59	5,958.35	5,735.50	222.85	26.737		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 157-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	0.00	0.00	0.27	0.00	92.51	-216.34	4,943.14	4,947.93	4,947.66	0.27	N/A		
123.00	123.00	0.00	0.00	0.35	0.00	92.51	-216.34	4,943.14	4,947.88	4,947.53	0.35	N/A		
200.00	200.00	45.34	45.34	0.63	0.08	92.51	-216.46	4,943.28	4,948.12	4,947.42	0.70	7,035.588		
300.00	299.98	104.21	104.20	0.98	0.18	22.91	-217.01	4,943.88	4,947.57	4,946.42	1.15	4,286.234		
400.00	399.84	193.56	193.52	1.34	0.39	22.98	-218.72	4,945.49	4,944.60	4,942.87	1.73	2,856.565		
500.00	499.45	298.84	298.71	1.71	0.78	23.12	-222.77	4,946.64	4,937.82	4,935.34	2.48	1,993.607		
600.00	598.70	360.26	360.00	2.10	1.01	23.27	-226.68	4,947.67	4,928.57	4,925.50	3.07	1,604.111		
700.00	697.47	430.00	429.46	2.51	1.28	23.48	-232.69	4,949.27	4,916.87	4,913.16	3.71	1,324.756		
800.00	795.62	471.02	470.23	2.95	1.44	23.68	-237.05	4,950.53	4,902.87	4,898.62	4.26	1,151.999		
900.00	893.06	522.00	520.77	3.43	1.65	23.94	-243.36	4,952.60	4,886.84	4,881.99	4.85	1,007.551		
1,000.00	989.64	606.56	604.32	3.95	2.01	24.35	-255.80	4,956.39	4,868.36	4,862.75	5.61	867.614		
1,100.00	1,085.27	1,117.89	1,104.23	4.52	4.47	26.61	-360.57	4,953.74	4,841.75	4,833.26	8.49	570.369		
1,200.00	1,179.82	1,165.67	1,150.21	5.14	4.74	27.16	-373.37	4,951.49	4,810.04	4,800.85	9.19	523.605		
1,300.00	1,273.17	1,220.96	1,203.16	5.81	5.05	27.80	-389.15	4,949.24	4,776.38	4,766.42	9.96	479.676		
1,400.00	1,365.21	1,284.00	1,263.10	6.54	5.43	28.55	-408.49	4,946.82	4,740.60	4,729.79	10.81	438.681		
1,500.00	1,455.84	1,393.82	1,367.04	7.33	6.11	29.69	-443.67	4,942.32	4,702.33	4,690.34	11.99	392.246		
1,600.00	1,544.94	1,420.54	1,392.34	8.19	6.28	30.32	-452.21	4,941.39	4,662.02	4,649.34	12.69	367.474		
1,700.00	1,632.39	1,471.00	1,440.17	9.12	6.59	31.17	-468.24	4,940.02	4,620.16	4,606.59	13.57	340.593		
1,800.00	1,718.11	1,501.91	1,469.48	10.11	6.79	31.92	-478.02	4,939.41	4,576.64	4,562.29	14.36	318.810		
1,900.00	1,801.97	1,565.00	1,529.30	11.18	7.18	32.98	-498.04	4,938.53	4,531.55	4,516.16	15.39	294.497		
1,969.27	1,858.92	1,584.43	1,547.73	11.96	7.31	33.54	-504.21	4,938.34	4,499.29	4,483.31	15.97	281.667		
2,000.00	1,883.98	1,601.22	1,563.65	12.31	7.41	33.69	-509.54	4,938.20	4,484.85	4,468.56	16.29	275.289		
2,100.00	1,965.50	1,659.00	1,618.47	13.48	7.78	34.19	-527.80	4,937.86	4,438.48	4,421.12	17.36	255.710		
2,200.00	2,047.03	1,969.98	1,914.07	14.65	9.74	37.00	-623.80	4,929.23	4,391.93	4,371.87	20.06	218.889		
2,300.00	2,128.56	2,034.66	1,975.37	15.84	10.15	37.61	-644.06	4,925.37	4,343.17	4,321.92	21.25	204.424		
2,400.00	2,210.09	2,109.29	2,046.04	17.03	10.62	38.33	-667.61	4,920.85	4,295.09	4,272.56	22.53	190.680		
2,500.00	2,291.61	2,158.51	2,092.76	18.23	10.94	38.81	-682.83	4,917.96	4,247.78	4,224.11	23.66	179.502		
2,600.00	2,373.14	2,199.29	2,131.44	19.44	11.20	39.21	-695.56	4,915.80	4,201.64	4,176.86	24.77	169.612		
2,700.00	2,454.67	2,244.76	2,174.53	20.64	11.49	39.66	-709.90	4,913.66	4,156.70	4,130.77	25.94	160.272		
2,800.00	2,536.20	2,295.98	2,223.06	21.86	11.82	40.17	-726.15	4,911.46	4,112.88	4,085.72	27.16	151.422		
2,900.00	2,617.72	2,342.85	2,267.43	23.07	12.13	40.64	-741.16	4,909.62	4,070.21	4,041.82	28.38	143.398		
3,000.00	2,699.25	2,386.71	2,308.84	24.29	12.42	41.09	-755.51	4,908.08	4,028.81	3,999.20	29.61	136.067		
3,100.00	2,780.78	2,516.26	2,430.87	25.50	13.28	42.45	-798.70	4,903.03	3,988.37	3,956.89	31.48	126.681		
3,200.00	2,862.31	2,616.13	2,525.45	26.73	13.94	43.50	-830.41	4,898.21	3,947.77	3,914.62	33.16	119.069		
3,300.00	2,943.83	2,658.94	2,566.08	27.95	14.21	43.95	-843.75	4,896.27	3,908.09	3,873.65	34.44	113.484		
3,400.00	3,025.36	2,757.49	2,659.63	29.17	14.84	45.01	-874.38	4,891.49	3,869.18	3,833.05	36.14	107.063		
3,500.00	3,106.89	2,843.81	2,741.61	30.40	15.39	45.94	-900.95	4,886.66	3,830.69	3,792.91	37.78	101.402		
3,600.00	3,188.42	2,898.55	2,793.73	31.62	15.74	46.54	-917.44	4,883.91	3,793.43	3,754.22	39.21	96.749		
3,700.00	3,269.94	2,984.06	2,875.29	32.85	16.27	47.47	-942.77	4,879.69	3,757.12	3,716.25	40.87	91.922		
3,800.00	3,351.47	3,072.49	2,959.66	34.07	16.83	48.45	-968.84	4,874.92	3,721.54	3,678.96	42.58	87.400		
3,900.00	3,433.00	3,151.32	3,034.84	35.30	17.32	49.34	-992.09	4,870.31	3,686.76	3,642.51	44.25	83.326		
4,000.00	3,514.53	3,209.77	3,090.60	36.53	17.68	50.00	-1,009.29	4,866.87	3,653.06	3,607.27	45.78	79.791		
4,100.00	3,596.05	3,265.00	3,143.27	37.76	18.03	50.63	-1,025.64	4,863.83	3,620.79	3,573.48	47.31	76.527		
4,200.00	3,677.58	3,366.19	3,239.88	38.99	18.66	51.80	-1,055.20	4,858.20	3,589.54	3,540.35	49.20	72.961		
4,300.00	3,759.11	3,409.82	3,281.63	40.22	18.92	52.30	-1,067.68	4,855.90	3,559.42	3,508.75	50.67	70.251		
4,400.00	3,840.64	3,459.13	3,328.86	41.45	19.22	52.87	-1,081.66	4,853.72	3,530.93	3,478.74	52.19	67.659		
4,500.00	3,922.16	3,530.42	3,397.13	42.68	19.66	53.70	-1,101.96	4,850.70	3,503.84	3,449.95	53.88	65.028		
4,600.00	4,003.69	3,586.66	3,450.86	43.91	20.01	54.36	-1,118.37	4,848.13	3,478.09	3,422.60	55.49	62.685		
4,700.00	4,085.22	3,645.00	3,506.25	45.15	20.38	55.06	-1,136.45	4,845.15	3,454.05	3,396.92	57.12	60.467		
4,800.00	4,166.75	3,700.07	3,558.19	46.38	20.76	55.75	-1,154.45	4,841.89	3,431.63	3,372.86	58.77	58.395		
4,900.00	4,248.27	3,769.18	3,622.97	47.61	21.23	56.62	-1,178.04	4,837.03	3,410.70	3,350.16	60.55	56.332		
5,000.00	4,329.80	3,929.00	3,773.58	48.84	22.30	58.65	-1,230.18	4,825.49	3,390.92	3,327.80	63.12	53.719		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 157-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,411.33	3,987.45	3,829.70	50.08	22.64	59.36	-1,246.21	4,822.47	3,371.16	3,306.40	64.76	52.060		
5,200.00	4,492.86	4,061.78	3,901.93	51.31	23.04	60.21	-1,263.70	4,821.54	3,353.07	3,286.60	66.46	50.450		
5,300.00	4,574.38	4,162.40	4,000.55	52.54	23.54	61.31	-1,283.62	4,822.62	3,335.64	3,267.34	68.30	48.840		
5,400.00	4,655.91	4,240.39	4,076.87	53.78	23.93	62.18	-1,299.61	4,822.62	3,319.17	3,249.18	69.99	47.421		
5,500.00	4,737.44	4,309.00	4,143.79	55.01	24.28	62.97	-1,314.72	4,821.70	3,303.96	3,232.31	71.65	46.112		
5,600.00	4,818.97	4,347.45	4,181.16	56.24	24.49	63.43	-1,323.74	4,820.97	3,290.54	3,217.43	73.10	45.011		
5,700.00	4,900.49	4,405.00	4,236.82	57.48	24.81	64.12	-1,338.33	4,819.96	3,279.43	3,204.74	74.69	43.905		
5,800.00	4,982.02	4,470.81	4,300.42	58.71	25.19	64.91	-1,355.16	4,818.44	3,269.67	3,193.32	76.35	42.827		
5,900.00	5,063.55	4,642.38	4,466.57	59.95	26.15	67.00	-1,397.41	4,811.98	3,259.93	3,181.10	78.83	41.353		
6,000.00	5,145.08	4,723.31	4,544.46	61.18	26.62	68.03	-1,418.39	4,805.55	3,250.61	3,169.98	80.63	40.313		
6,100.00	5,226.60	4,784.00	4,602.24	62.42	26.99	68.84	-1,435.76	4,799.02	3,243.18	3,160.90	82.28	39.416		
6,200.00	5,308.13	4,849.96	4,664.71	63.65	27.41	69.73	-1,455.37	4,791.06	3,237.57	3,153.60	83.97	38.555		
6,300.00	5,389.66	4,925.50	4,736.49	64.89	27.88	70.74	-1,477.21	4,782.29	3,233.47	3,147.75	85.72	37.723		
6,400.00	5,471.19	4,999.34	4,807.37	66.12	28.32	71.70	-1,496.85	4,775.85	3,230.92	3,143.51	87.41	36.964		
6,500.00	5,552.72	5,067.13	4,872.42	67.36	28.72	72.58	-1,514.95	4,769.76	3,229.98	3,140.96	89.01	36.287		
6,504.54	5,556.42	5,069.00	4,874.21	67.41	28.73	72.60	-1,515.45	4,769.58	3,229.97	3,140.90	89.07	36.261 CC		
6,600.00	5,634.24	5,099.76	4,903.62	68.59	28.92	73.01	-1,523.97	4,766.64	3,231.07	3,140.78	90.29	35.786		
6,700.00	5,715.77	5,131.07	4,933.47	69.83	29.12	73.42	-1,532.98	4,763.71	3,234.61	3,143.10	91.51	35.347		
6,800.00	5,797.30	5,164.00	4,964.74	71.06	29.32	73.86	-1,542.84	4,760.71	3,240.59	3,147.89	92.70	34.958		
6,900.00	5,878.83	5,193.40	4,992.63	72.30	29.51	74.24	-1,551.84	4,758.34	3,249.00	3,155.19	93.81	34.635		
7,000.00	5,960.35	5,225.88	5,023.48	73.53	29.72	74.66	-1,561.82	4,756.37	3,259.80	3,164.90	94.90	34.351		
7,100.00	6,041.88	5,259.00	5,054.96	74.77	29.93	75.08	-1,572.03	4,755.07	3,272.92	3,176.98	95.95	34.111		
7,200.00	6,123.41	5,319.37	5,112.33	76.01	30.32	75.84	-1,590.74	4,753.44	3,288.04	3,190.79	97.25	33.810		
7,300.00	6,204.94	5,683.47	5,462.91	77.24	32.45	80.27	-1,687.58	4,741.94	3,301.45	3,200.01	101.44	32.545		
7,400.00	6,286.46	5,845.03	5,620.55	78.48	33.28	82.18	-1,722.08	4,734.46	3,312.59	3,209.08	103.51	32.002		
7,500.00	6,367.99	6,513.04	6,284.14	79.71	35.50	89.37	-1,776.68	4,719.05	3,310.52	3,203.19	107.33	30.843		
7,600.00	6,449.52	6,590.00	6,361.09	80.95	35.65	90.14	-1,775.91	4,718.86	3,308.92	3,200.30	108.62	30.463		
7,636.68	6,479.42	6,590.00	6,361.09	81.40	35.65	90.14	-1,775.91	4,718.86	3,308.71	3,199.66	109.06	30.340		
7,700.00	6,531.05	6,590.00	6,361.09	82.19	35.65	90.14	-1,775.91	4,718.86	3,309.32	3,199.54	109.78	30.144		
7,800.00	6,612.57	6,646.13	6,417.19	83.42	35.76	90.68	-1,775.77	4,720.42	3,311.41	3,200.42	110.99	29.836		
7,900.00	6,694.10	6,685.00	6,455.92	84.66	35.84	91.03	-1,776.00	4,723.66	3,316.08	3,203.94	112.14	29.572		
8,000.00	6,775.63	6,712.45	6,483.12	85.89	35.89	91.25	-1,776.20	4,727.28	3,322.84	3,209.64	113.20	29.354		
8,100.00	6,857.16	6,751.62	6,521.53	87.13	35.96	91.53	-1,776.28	4,734.92	3,331.61	3,217.35	114.27	29.156		
8,200.00	6,938.68	6,780.00	6,548.95	88.37	36.01	91.71	-1,776.17	4,742.24	3,342.30	3,227.04	115.27	28.996		
8,300.00	7,020.21	6,853.00	6,617.97	89.60	36.12	92.08	-1,775.46	4,765.94	3,354.33	3,237.92	116.41	28.814		
8,310.57	7,028.83	6,874.00	6,637.43	89.73	36.15	92.17	-1,775.15	4,773.83	3,355.74	3,239.15	116.59	28.781		
8,350.00	7,060.23	6,874.00	6,637.43	90.25	36.15	89.67	-1,775.15	4,773.83	3,360.37	3,243.43	116.94	28.735		
8,400.00	7,097.77	6,915.78	6,675.35	90.98	36.20	87.38	-1,774.23	4,791.32	3,365.04	3,247.41	117.63	28.606		
8,450.00	7,132.48	6,949.29	6,704.82	91.79	36.23	85.65	-1,773.11	4,807.22	3,368.30	3,249.93	118.37	28.455		
8,500.00	7,164.10	6,969.00	6,721.72	92.67	36.25	84.32	-1,772.30	4,817.33	3,370.17	3,251.06	119.11	28.294		
8,550.00	7,192.40	6,999.42	6,747.22	93.63	36.27	83.47	-1,770.97	4,833.86	3,370.69	3,250.72	119.97	28.096		
8,600.00	7,217.15	7,020.59	6,764.56	94.64	36.29	82.90	-1,770.06	4,845.97	3,369.99	3,249.15	120.84	27.888		
8,650.00	7,238.16	7,064.00	6,799.02	95.70	36.32	82.82	-1,768.25	4,872.29	3,368.23	3,246.34	121.89	27.633		
8,700.00	7,255.29	7,064.00	6,799.02	96.80	36.32	82.66	-1,768.25	4,872.29	3,364.98	3,242.25	122.72	27.419		
8,750.00	7,268.39	7,064.00	6,799.02	97.92	36.32	82.71	-1,768.25	4,872.29	3,360.84	3,237.27	123.57	27.198		
8,800.00	7,277.37	7,096.80	6,823.92	99.06	36.33	83.32	-1,766.94	4,893.60	3,355.48	3,230.82	124.67	26.916		
8,850.00	7,282.15	7,113.48	6,836.13	100.20	36.34	83.99	-1,766.31	4,904.94	3,349.23	3,223.57	125.66	26.653		
8,881.61	7,283.00	7,123.77	6,843.51	100.91	36.35	84.51	-1,765.92	4,912.11	3,344.80	3,218.51	126.28	26.486		
8,900.00	7,283.00	7,129.76	6,847.75	101.33	36.35	84.58	-1,765.71	4,916.34	3,342.15	3,215.50	126.65	26.389		
9,000.00	7,283.00	7,159.00	6,867.83	103.59	36.37	84.93	-1,764.67	4,937.56	3,329.10	3,200.50	128.60	25.887		
9,100.00	7,283.00	7,191.74	6,889.08	105.87	36.38	85.30	-1,763.70	4,962.44	3,318.30	3,187.70	130.61	25.406		
9,200.00	7,283.00	7,222.68	6,907.94	108.18	36.40	85.62	-1,763.07	4,986.95	3,309.81	3,177.20	132.61	24.959		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 157-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,300.00	7,283.00	7,254.00	6,925.77	110.50	36.42	85.93	-1,762.71	5,012.70	3,303.53	3,168.92	134.62	24.541		
9,400.00	7,283.00	7,302.90	6,951.51	112.84	36.45	86.37	-1,762.57	5,054.27	3,299.25	3,162.36	136.89	24.102		
9,500.00	7,283.00	7,356.66	6,977.27	115.19	36.49	86.82	-1,762.87	5,101.44	3,296.74	3,157.49	139.25	23.676		
9,600.00	7,283.00	7,479.63	7,022.78	117.56	36.61	87.61	-1,762.51	5,215.49	3,294.64	3,151.83	142.81	23.071		
9,700.00	7,283.00	7,539.00	7,036.21	119.95	36.68	87.85	-1,761.69	5,273.29	3,292.72	3,147.22	145.51	22.629		
9,800.00	7,283.00	7,687.67	7,047.61	122.34	37.01	88.04	-1,759.64	5,421.31	3,291.31	3,141.25	150.05	21.935		
9,900.00	7,283.00	7,737.00	7,048.13	124.76	37.18	88.05	-1,759.23	5,470.64	3,290.13	3,137.30	152.83	21.528		
9,927.78	7,283.00	7,737.00	7,048.13	125.43	37.18	88.05	-1,759.23	5,470.64	3,290.02	3,136.69	153.32	21.458		
10,000.00	7,283.00	7,781.65	7,048.32	127.18	37.38	88.06	-1,759.56	5,515.28	3,290.53	3,134.95	155.58	21.150		
10,100.00	7,283.00	7,962.70	7,049.04	129.61	38.71	88.07	-1,758.82	5,696.33	3,290.39	3,128.88	161.51	20.373		
10,200.00	7,283.00	8,080.49	7,048.77	132.06	40.07	88.06	-1,756.30	5,814.09	3,288.41	3,122.20	166.21	19.784		
10,300.00	7,283.00	8,183.47	7,048.70	134.52	41.55	88.06	-1,753.82	5,917.03	3,286.17	3,115.48	170.69	19.252		
10,400.00	7,283.00	8,270.02	7,048.11	136.98	42.98	88.05	-1,751.82	6,003.56	3,284.06	3,109.20	174.86	18.781		
10,500.00	7,283.00	8,348.91	7,047.10	139.46	44.40	88.03	-1,750.44	6,082.43	3,282.52	3,103.63	178.89	18.349		
10,600.00	7,283.00	8,428.84	7,046.19	141.94	45.92	88.01	-1,749.58	6,162.35	3,281.65	3,098.65	183.00	17.932		
10,700.00	7,283.00	8,515.14	7,045.10	144.44	47.65	87.99	-1,749.07	6,248.65	3,281.26	3,093.93	187.34	17.515		
10,743.95	7,283.00	8,553.28	7,044.49	145.54	48.44	87.98	-1,748.95	6,286.77	3,281.23	3,091.96	189.26	17.337		
10,800.00	7,283.00	8,615.09	7,043.36	146.94	49.74	87.96	-1,748.85	6,348.58	3,281.27	3,089.16	192.11	17.081		
10,900.00	7,283.00	8,733.69	7,042.76	149.45	52.31	87.95	-1,747.63	6,467.17	3,280.35	3,082.89	197.46	16.613		
11,000.00	7,283.00	8,809.53	7,042.69	151.96	53.99	87.95	-1,747.26	6,543.01	3,280.02	3,078.37	201.64	16.267		
11,004.45	7,283.00	8,813.21	7,042.69	152.07	54.08	87.95	-1,747.25	6,546.69	3,280.02	3,078.18	201.84	16.251		
11,100.00	7,283.00	8,892.95	7,042.79	154.49	55.88	87.95	-1,747.34	6,626.43	3,280.27	3,074.21	206.07	15.918		
11,200.00	7,283.00	8,971.00	7,042.81	157.01	57.68	87.95	-1,747.74	6,704.48	3,280.98	3,070.63	210.36	15.597		
11,300.00	7,283.00	9,067.00	7,042.81	159.55	59.93	87.95	-1,748.74	6,800.47	3,282.19	3,066.98	215.21	15.251		
11,400.00	7,283.00	9,209.00	7,043.99	162.09	63.31	87.98	-1,749.80	6,942.46	3,283.17	3,061.67	221.50	14.822		
11,484.86	7,283.00	9,294.25	7,044.57	164.25	65.36	87.98	-1,749.38	7,027.70	3,282.88	3,057.08	225.80	14.539		
11,500.00	7,283.00	9,303.59	7,044.54	164.64	65.59	87.98	-1,749.38	7,037.05	3,282.89	3,056.50	226.39	14.501		
11,600.00	7,283.00	9,409.41	7,043.29	167.19	68.16	87.96	-1,749.78	7,142.86	3,283.50	3,051.88	231.63	14.176		
11,700.00	7,283.00	9,589.35	7,045.11	169.75	72.58	87.99	-1,746.84	7,322.73	3,281.77	3,042.68	239.09	13.726		
11,800.00	7,283.00	9,714.86	7,048.00	172.31	75.68	88.04	-1,743.30	7,448.16	3,279.06	3,034.12	244.95	13.387		
11,900.00	7,283.00	9,809.67	7,049.88	174.88	78.04	88.07	-1,740.15	7,542.91	3,275.85	3,025.92	249.93	13.107		
12,000.00	7,283.00	9,886.65	7,050.15	177.45	79.96	88.08	-1,737.92	7,619.85	3,273.11	3,018.70	254.41	12.865		
12,100.00	7,283.00	9,965.18	7,049.81	180.03	81.94	88.07	-1,736.22	7,698.36	3,271.12	3,012.18	258.94	12.633		
12,200.00	7,283.00	10,047.71	7,048.51	182.61	84.03	88.05	-1,734.86	7,780.87	3,269.69	3,006.10	263.59	12.405		
12,300.00	7,283.00	10,143.49	7,047.23	185.19	86.46	88.02	-1,733.75	7,876.64	3,268.74	3,000.10	268.64	12.168		
12,400.00	7,283.00	10,293.70	7,047.79	187.78	90.29	88.03	-1,730.91	8,026.81	3,267.03	2,991.70	275.34	11.866		
12,500.00	7,283.00	10,345.05	7,048.22	190.37	91.61	88.04	-1,729.82	8,078.15	3,265.12	2,986.03	279.09	11.699		
12,556.53	7,283.00	10,370.71	7,047.98	191.84	92.27	88.03	-1,729.61	8,103.80	3,264.78	2,983.69	281.09	11.615		
12,600.00	7,283.00	10,397.00	7,047.42	192.97	92.94	88.02	-1,729.64	8,130.09	3,264.89	2,982.08	282.81	11.544		
12,700.00	7,283.00	10,503.70	7,045.24	195.57	95.70	87.99	-1,729.87	8,236.76	3,265.35	2,977.11	288.25	11.328		
12,800.00	7,283.00	10,593.92	7,043.63	198.17	98.04	87.96	-1,729.97	8,326.97	3,265.70	2,972.53	293.17	11.139		
12,900.00	7,283.00	10,682.00	7,042.38	200.77	100.33	87.94	-1,730.25	8,415.04	3,266.25	2,968.22	298.03	10.960		
13,000.00	7,283.00	10,777.00	7,041.26	203.38	102.80	87.92	-1,731.00	8,510.03	3,267.24	2,964.13	303.11	10.779		
13,100.00	7,283.00	10,900.20	7,040.88	205.99	106.02	87.91	-1,731.45	8,633.23	3,267.76	2,958.64	309.12	10.571		
13,200.00	7,283.00	10,974.72	7,040.96	208.61	107.96	87.91	-1,731.91	8,707.75	3,268.51	2,954.94	313.56	10.424		
13,300.00	7,283.00	11,117.43	7,042.48	211.22	111.70	87.94	-1,732.07	8,850.44	3,268.67	2,948.46	320.21	10.208		
13,400.00	7,283.00	11,246.45	7,045.43	213.84	115.08	87.99	-1,730.84	8,979.42	3,267.75	2,941.35	326.39	10.012		
13,500.00	7,283.00	11,328.21	7,046.68	216.47	117.23	88.01	-1,729.75	9,061.16	3,266.59	2,935.47	331.12	9.865		
13,577.12	7,283.00	11,386.98	7,047.14	218.49	118.78	88.02	-1,729.54	9,119.93	3,266.41	2,931.79	334.62	9.762		
13,600.00	7,283.00	11,406.05	7,047.24	219.09	119.28	88.02	-1,729.52	9,138.99	3,266.43	2,930.72	335.71	9.730		
13,700.00	7,283.00	11,482.81	7,047.48	221.72	121.30	88.03	-1,729.73	9,215.76	3,266.86	2,926.60	340.26	9.601		
13,800.00	7,283.00	11,536.00	7,047.82	224.34	122.71	88.03	-1,730.26	9,268.94	3,268.19	2,924.19	344.00	9.501		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 157-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,900.00	7,283.00	11,594.94	7,048.31	226.97	124.27	88.04	-1,731.64	9,327.86	3,270.84	2,922.96	347.88	9.402		
14,000.00	7,283.00	11,656.52	7,048.81	229.61	125.90	88.05	-1,734.26	9,389.38	3,275.12	2,923.31	351.81	9.309		
14,100.00	7,283.00	11,764.56	7,049.01	232.24	128.78	88.06	-1,738.98	9,497.32	3,279.63	2,922.22	357.42	9.176 ES		
14,200.00	7,283.00	11,791.00	7,049.00	234.88	129.48	88.06	-1,740.11	9,523.74	3,284.89	2,924.93	359.97	9.126		
14,300.00	7,283.00	11,791.00	7,049.00	237.52	129.48	88.06	-1,740.11	9,523.74	3,293.07	2,931.83	361.25	9.116 SF		
14,400.00	7,283.00	11,791.00	7,049.00	240.16	129.48	88.06	-1,740.11	9,523.74	3,304.26	2,942.06	362.21	9.123		
14,500.00	7,283.00	11,791.00	7,049.00	242.80	129.48	88.06	-1,740.11	9,523.74	3,318.43	2,955.58	362.85	9.145		
14,600.00	7,283.00	11,791.00	7,049.00	245.44	129.48	88.06	-1,740.11	9,523.74	3,335.53	2,972.35	363.19	9.184		
14,700.00	7,283.00	11,791.00	7,049.00	248.09	129.48	88.06	-1,740.11	9,523.74	3,355.53	2,992.32	363.22	9.238		
14,800.00	7,283.00	11,791.00	7,049.00	250.74	129.48	88.06	-1,740.11	9,523.74	3,378.38	3,015.42	362.96	9.308		
14,900.00	7,283.00	11,791.00	7,049.00	253.38	129.48	88.06	-1,740.11	9,523.74	3,404.00	3,041.58	362.42	9.392		
15,000.00	7,283.00	11,791.00	7,049.00	256.03	129.48	88.06	-1,740.11	9,523.74	3,432.36	3,070.73	361.62	9.492		
15,100.00	7,283.00	11,791.00	7,049.00	258.69	129.48	88.06	-1,740.11	9,523.74	3,463.36	3,102.79	360.57	9.605		
15,200.00	7,283.00	11,791.00	7,049.00	261.34	129.48	88.06	-1,740.11	9,523.74	3,496.96	3,137.67	359.29	9.733		
15,300.00	7,283.00	11,791.00	7,049.00	263.99	129.48	88.06	-1,740.11	9,523.74	3,533.06	3,175.27	357.79	9.875		
15,400.00	7,283.00	11,791.00	7,049.00	266.65	129.48	88.06	-1,740.11	9,523.74	3,571.60	3,215.51	356.09	10.030		
15,500.00	7,283.00	11,791.00	7,049.00	269.31	129.48	88.06	-1,740.11	9,523.74	3,612.50	3,258.29	354.21	10.199		
15,600.00	7,283.00	11,791.00	7,049.00	271.96	129.48	88.06	-1,740.11	9,523.74	3,655.68	3,303.51	352.17	10.381		
15,700.00	7,283.00	11,791.00	7,049.00	274.62	129.48	88.06	-1,740.11	9,523.74	3,701.05	3,351.08	349.98	10.575		
15,800.00	7,283.00	11,791.00	7,049.00	277.28	129.48	88.06	-1,740.11	9,523.74	3,748.55	3,400.90	347.65	10.782		
15,900.00	7,283.00	11,791.00	7,049.00	279.94	129.48	88.06	-1,740.11	9,523.74	3,798.08	3,452.87	345.21	11.002		
16,000.00	7,283.00	11,791.00	7,049.00	282.61	129.48	88.06	-1,740.11	9,523.74	3,849.58	3,506.90	342.67	11.234		
16,100.00	7,283.00	11,791.00	7,049.00	285.27	129.48	88.06	-1,740.11	9,523.74	3,902.96	3,562.91	340.05	11.478		
16,200.00	7,283.00	11,791.00	7,049.00	287.94	129.48	88.06	-1,740.11	9,523.74	3,958.14	3,620.79	337.35	11.733		
16,300.00	7,283.00	11,791.00	7,049.00	290.60	129.48	88.06	-1,740.11	9,523.74	4,015.06	3,680.46	334.60	12.000		
16,400.00	7,283.00	11,791.00	7,049.00	293.27	129.48	88.06	-1,740.11	9,523.74	4,073.64	3,741.85	331.79	12.278		
16,500.00	7,283.00	11,791.00	7,049.00	295.94	129.48	88.06	-1,740.11	9,523.74	4,133.80	3,804.85	328.95	12.567		
16,600.00	7,283.00	11,791.00	7,049.00	298.60	129.48	88.06	-1,740.11	9,523.74	4,195.49	3,869.41	326.08	12.866		
16,700.00	7,283.00	11,791.00	7,049.00	301.27	129.48	88.06	-1,740.11	9,523.74	4,258.64	3,935.44	323.20	13.176		
16,800.00	7,283.00	11,791.00	7,049.00	303.94	129.48	88.06	-1,740.11	9,523.74	4,323.17	4,002.86	320.31	13.497		
16,900.00	7,283.00	11,791.00	7,049.00	306.62	129.48	88.06	-1,740.11	9,523.74	4,389.03	4,071.62	317.41	13.828		
17,000.00	7,283.00	11,791.00	7,049.00	309.29	129.48	88.06	-1,740.11	9,523.74	4,456.17	4,141.65	314.52	14.168		
17,100.00	7,283.00	11,791.00	7,049.00	311.96	129.48	88.06	-1,740.11	9,523.74	4,524.52	4,212.88	311.64	14.518		
17,200.00	7,283.00	11,791.00	7,049.00	314.63	129.48	88.06	-1,740.11	9,523.74	4,594.03	4,285.25	308.78	14.878		
17,300.00	7,283.00	11,791.00	7,049.00	317.31	129.48	88.06	-1,740.11	9,523.74	4,664.64	4,358.71	305.94	15.247		
17,400.00	7,283.00	11,791.00	7,049.00	319.98	129.48	88.06	-1,740.11	9,523.74	4,736.32	4,433.20	303.12	15.625		
17,500.00	7,283.00	11,791.00	7,049.00	322.66	129.48	88.06	-1,740.11	9,523.74	4,809.00	4,508.67	300.33	16.012		
17,600.00	7,283.00	11,791.00	7,049.00	325.34	129.48	88.06	-1,740.11	9,523.74	4,882.66	4,585.08	297.58	16.408		
17,700.00	7,283.00	11,791.00	7,049.00	328.01	129.48	88.06	-1,740.11	9,523.74	4,957.23	4,662.38	294.85	16.813		
17,800.00	7,283.00	11,791.00	7,049.00	330.69	129.48	88.06	-1,740.11	9,523.74	5,032.69	4,740.52	292.17	17.225		
17,900.00	7,283.00	11,791.00	7,049.00	333.37	129.48	88.06	-1,740.11	9,523.74	5,108.99	4,819.47	289.52	17.646		
18,000.00	7,283.00	11,791.00	7,049.00	336.05	129.48	88.06	-1,740.11	9,523.74	5,186.10	4,899.18	286.92	18.075		
18,100.00	7,283.00	11,791.00	7,049.00	338.73	129.48	88.06	-1,740.11	9,523.74	5,263.98	4,979.62	284.36	18.512		
18,200.00	7,283.00	11,791.00	7,049.00	341.41	129.48	88.06	-1,740.11	9,523.74	5,342.59	5,060.75	281.83	18.956		
18,300.00	7,283.00	11,791.00	7,049.00	344.09	129.48	88.06	-1,740.11	9,523.74	5,421.91	5,142.55	279.36	19.408		
18,400.00	7,283.00	11,791.00	7,049.00	346.77	129.48	88.06	-1,740.11	9,523.74	5,501.90	5,224.97	276.92	19.868		
18,500.00	7,283.00	11,791.00	7,049.00	349.46	129.48	88.06	-1,740.11	9,523.74	5,582.54	5,308.00	274.54	20.335		
18,600.00	7,283.00	11,791.00	7,049.00	352.14	129.48	88.06	-1,740.11	9,523.74	5,663.79	5,391.60	272.19	20.808		
18,700.00	7,283.00	11,791.00	7,049.00	354.82	129.48	88.06	-1,740.11	9,523.74	5,745.64	5,475.75	269.89	21.289		
18,800.00	7,283.00	11,791.00	7,049.00	357.51	129.48	88.06	-1,740.11	9,523.74	5,828.05	5,560.41	267.64	21.776		
18,900.00	7,283.00	11,791.00	7,049.00	360.19	129.48	88.06	-1,740.11	9,523.74	5,911.01	5,645.58	265.42	22.270		
19,000.00	7,283.00	11,791.00	7,049.00	362.88	129.48	88.06	-1,740.11	9,523.74	5,994.48	5,731.22	263.26	22.770		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 2-T4N-R68W - SRC VISTA 44-2N-C - Wellbore #1 - Wellbore #1												Offset Site Error:	0.00 usft
Survey Program: 157-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
19,100.00	7,283.00	11,791.00	7,049.00	365.56	129.48	88.06	-1,740.11	9,523.74	6,078.46	5,817.32	261.13	23.277	
19,200.00	7,283.00	11,791.00	7,049.00	368.25	129.48	88.06	-1,740.11	9,523.74	6,162.91	5,903.86	259.05	23.790	
19,247.68	7,283.00	11,791.00	7,049.00	369.53	129.48	88.06	-1,740.11	9,523.74	6,203.33	5,945.26	258.08	24.037	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 195-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	0.00	0.00	0.27	0.00	91.58	-136.14	4,943.10	4,945.00	4,944.73	0.27	N/A		
143.02	143.02	27.81	27.81	0.42	0.05	91.58	-136.19	4,943.09	4,944.97	4,944.50	0.47	N/A		
200.00	200.00	86.45	86.45	0.63	0.14	91.58	-136.62	4,943.06	4,944.95	4,944.18	0.77	6,439.714		
300.00	299.98	189.30	189.28	0.98	0.31	22.01	-138.44	4,942.93	4,943.25	4,941.96	1.29	3,832.236		
400.00	399.84	409.78	409.40	1.34	1.12	22.25	-149.92	4,939.59	4,937.00	4,934.54	2.46	2,006.545		
500.00	499.45	563.37	562.36	1.71	1.71	22.54	-162.74	4,934.57	4,925.99	4,922.57	3.42	1,440.957		
600.00	598.70	645.19	643.75	2.10	2.04	22.80	-170.59	4,931.49	4,911.31	4,907.20	4.11	1,195.402		
700.00	697.47	809.91	806.78	2.51	2.73	23.33	-192.75	4,924.00	4,892.82	4,887.65	5.17	945.589		
800.00	795.62	914.46	910.05	2.95	3.19	23.79	-208.07	4,918.45	4,870.66	4,864.65	6.00	811.111		
900.00	893.06	984.78	979.57	3.43	3.50	24.20	-217.99	4,914.79	4,845.60	4,838.90	6.70	723.753		
1,000.00	989.64	1,034.00	1,028.26	3.95	3.71	24.58	-224.84	4,912.54	4,818.21	4,810.90	7.31	659.513		
1,100.00	1,085.27	1,113.69	1,107.22	4.52	4.05	25.10	-235.12	4,909.40	4,788.39	4,780.34	8.05	594.597		
1,200.00	1,179.82	1,199.38	1,192.30	5.14	4.41	25.66	-244.88	4,906.45	4,756.05	4,747.21	8.83	538.489		
1,300.00	1,273.17	1,342.13	1,334.16	5.81	4.99	26.49	-259.90	4,901.05	4,720.58	4,710.73	9.85	479.253		
1,400.00	1,365.21	1,458.33	1,449.66	6.54	5.46	27.30	-271.29	4,895.22	4,681.04	4,670.27	10.77	434.524		
1,500.00	1,455.84	1,506.00	1,497.03	7.33	5.66	27.91	-275.98	4,892.90	4,639.15	4,627.70	11.45	405.205		
1,600.00	1,544.94	1,562.71	1,553.37	8.19	5.89	28.62	-281.99	4,890.53	4,595.24	4,583.05	12.19	376.983		
1,700.00	1,632.39	1,621.12	1,611.34	9.12	6.13	29.41	-288.89	4,888.59	4,549.50	4,536.53	12.97	350.851		
1,800.00	1,718.11	1,695.19	1,684.83	10.11	6.44	30.36	-297.87	4,886.26	4,501.49	4,487.65	13.84	325.260		
1,900.00	1,801.97	1,819.80	1,808.51	11.18	6.96	31.69	-312.50	4,882.25	4,451.16	4,436.22	14.94	297.882		
1,969.27	1,858.92	1,894.53	1,882.71	11.96	7.27	32.63	-320.81	4,879.02	4,414.21	4,398.53	15.68	281.532		
2,000.00	1,883.98	1,919.87	1,907.86	12.31	7.38	32.79	-323.68	4,877.88	4,397.57	4,381.59	15.98	275.189		
2,100.00	1,965.50	2,052.96	2,039.85	13.48	7.94	33.69	-339.17	4,870.65	4,342.82	4,325.65	17.17	252.950		
2,200.00	2,047.03	2,095.56	2,082.02	14.65	8.12	33.99	-344.62	4,868.25	4,288.45	4,270.42	18.04	237.781		
2,300.00	2,128.56	2,147.32	2,133.23	15.84	8.35	34.37	-351.73	4,865.67	4,234.97	4,216.00	18.97	223.303		
2,400.00	2,210.09	2,217.78	2,202.97	17.03	8.65	34.89	-361.20	4,862.34	4,182.04	4,162.04	20.00	209.149		
2,500.00	2,291.61	2,292.29	2,276.74	18.23	8.98	35.44	-371.07	4,858.89	4,129.52	4,108.46	21.06	196.051		
2,600.00	2,373.14	2,362.01	2,345.75	19.44	9.28	35.97	-380.44	4,855.69	4,077.44	4,055.30	22.14	184.189		
2,700.00	2,454.67	2,432.39	2,415.40	20.64	9.59	36.52	-390.06	4,852.56	4,025.87	4,002.64	23.24	173.250		
2,800.00	2,536.20	2,506.83	2,489.11	21.86	9.91	37.11	-399.98	4,849.33	3,974.76	3,950.39	24.38	163.066		
2,900.00	2,617.72	2,578.44	2,560.09	23.07	10.21	37.68	-408.94	4,846.40	3,924.13	3,898.61	25.52	153.783		
3,000.00	2,699.25	2,677.29	2,658.08	24.29	10.63	38.48	-421.25	4,842.17	3,873.80	3,847.01	26.79	144.594		
3,100.00	2,780.78	2,737.44	2,717.61	25.50	10.89	38.99	-429.43	4,839.31	3,823.73	3,795.79	27.94	136.841		
3,200.00	2,862.31	2,786.00	2,765.69	26.73	11.11	39.40	-435.89	4,837.29	3,774.56	3,745.49	29.07	129.837		
3,300.00	2,943.83	2,851.44	2,830.54	27.95	11.38	39.96	-444.31	4,834.98	3,726.25	3,695.97	30.29	123.039		
3,400.00	3,025.36	2,934.36	2,912.77	29.17	11.74	40.68	-454.69	4,832.40	3,678.67	3,647.08	31.59	116.446		
3,500.00	3,106.89	3,019.75	2,997.37	30.40	12.10	41.44	-465.87	4,829.21	3,631.25	3,598.32	32.93	110.255		
3,600.00	3,188.42	3,118.71	3,095.53	31.62	12.52	42.33	-477.92	4,825.58	3,584.28	3,549.93	34.35	104.341		
3,700.00	3,269.94	3,217.30	3,193.32	32.85	12.93	43.24	-489.56	4,821.12	3,537.08	3,501.30	35.79	98.842		
3,800.00	3,351.47	3,279.11	3,254.75	34.07	13.19	43.81	-495.89	4,818.52	3,490.39	3,453.29	37.10	94.089		
3,900.00	3,433.00	3,323.80	3,299.16	35.30	13.37	44.23	-500.63	4,816.99	3,444.88	3,406.52	38.37	89.788		
4,000.00	3,514.53	3,449.73	3,424.18	36.53	13.89	45.44	-515.09	4,812.52	3,400.31	3,360.33	39.98	85.053		
4,100.00	3,596.05	3,502.95	3,476.98	37.76	14.12	45.97	-521.33	4,810.20	3,355.61	3,314.26	41.35	81.159		
4,200.00	3,677.58	3,573.83	3,547.31	38.99	14.41	46.69	-529.67	4,807.42	3,311.92	3,269.11	42.81	77.367		
4,300.00	3,759.11	3,657.29	3,630.11	40.22	14.76	47.55	-539.52	4,803.97	3,268.77	3,224.43	44.35	73.709		
4,400.00	3,840.64	3,731.94	3,704.19	41.45	15.08	48.33	-548.20	4,800.90	3,226.33	3,180.45	45.88	70.323		
4,500.00	3,922.16	3,812.42	3,784.09	42.68	15.41	49.19	-557.38	4,797.63	3,184.59	3,137.13	47.46	67.103		
4,600.00	4,003.69	3,893.73	3,864.74	43.91	15.76	50.08	-567.02	4,794.04	3,143.52	3,094.44	49.08	64.051		
4,700.00	4,085.22	3,967.01	3,937.37	45.15	16.07	50.90	-576.12	4,790.57	3,103.21	3,052.52	50.70	61.212		
4,800.00	4,166.75	4,032.05	4,001.94	46.38	16.34	51.63	-583.41	4,787.98	3,063.90	3,011.60	52.30	58.584		
4,900.00	4,248.27	4,088.11	4,057.58	47.61	16.57	52.27	-590.02	4,785.96	3,025.89	2,972.01	53.89	56.150		
5,000.00	4,329.80	4,181.74	4,150.40	48.84	16.97	53.37	-601.82	4,782.38	2,988.95	2,933.27	55.68	53.681		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 195-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,411.33	4,264.53	4,232.43	50.08	17.33	54.37	-612.33	4,778.63	2,952.51	2,895.06	57.45	51.389		
5,200.00	4,492.86	4,338.28	4,305.55	51.31	17.64	55.26	-621.40	4,775.41	2,917.03	2,857.82	59.21	49.267		
5,300.00	4,574.38	4,420.52	4,387.18	52.54	17.98	56.27	-630.88	4,772.25	2,882.62	2,821.61	61.02	47.243		
5,400.00	4,655.91	4,523.54	4,489.35	53.78	18.42	57.56	-643.09	4,767.31	2,848.78	2,785.82	62.95	45.254		
5,500.00	4,737.44	4,614.76	4,579.60	55.01	18.82	58.76	-654.92	4,761.30	2,815.35	2,750.47	64.88	43.391		
5,600.00	4,818.97	4,697.56	4,661.44	56.24	19.18	59.88	-665.98	4,755.36	2,782.95	2,716.14	66.81	41.656		
5,700.00	4,900.49	4,761.00	4,724.23	57.48	19.45	60.74	-673.86	4,750.85	2,751.48	2,682.83	68.65	40.078		
5,800.00	4,982.02	4,821.56	4,784.22	58.71	19.71	61.56	-681.21	4,747.00	2,721.64	2,651.15	70.49	38.610		
5,900.00	5,063.55	4,871.88	4,834.07	59.95	19.93	62.25	-687.60	4,744.42	2,693.98	2,621.69	72.29	37.268		
6,000.00	5,145.08	4,937.45	4,899.01	61.18	20.21	63.15	-696.07	4,741.39	2,668.08	2,593.92	74.16	35.975		
6,100.00	5,226.60	5,033.71	4,994.42	62.42	20.62	64.48	-708.14	4,737.12	2,643.48	2,567.28	76.21	34.688		
6,200.00	5,308.13	5,097.92	5,058.08	63.65	20.90	65.38	-715.95	4,734.20	2,620.01	2,541.92	78.09	33.552		
6,300.00	5,389.66	5,157.36	5,116.96	64.89	21.15	66.23	-723.69	4,731.51	2,598.41	2,518.47	79.95	32.501		
6,400.00	5,471.19	5,215.24	5,174.24	66.12	21.41	67.06	-731.57	4,729.10	2,578.80	2,497.01	81.80	31.527		
6,500.00	5,552.72	5,312.95	5,271.06	67.36	21.82	68.46	-744.33	4,725.71	2,560.80	2,476.94	83.86	30.537		
6,600.00	5,634.24	5,384.18	5,341.79	68.59	22.12	69.47	-752.55	4,723.78	2,543.82	2,458.07	85.75	29.666		
6,700.00	5,715.77	5,462.78	5,419.83	69.83	22.44	70.59	-761.74	4,721.90	2,528.56	2,440.89	87.67	28.842		
6,800.00	5,797.30	5,549.92	5,506.38	71.06	22.80	71.84	-771.61	4,719.67	2,514.50	2,424.88	89.62	28.057		
6,900.00	5,878.83	5,637.18	5,593.10	72.30	23.16	73.09	-781.02	4,717.62	2,501.76	2,410.20	91.56	27.325		
7,000.00	5,960.35	5,736.64	5,692.08	73.53	23.55	74.51	-790.57	4,715.71	2,490.00	2,396.48	93.53	26.624		
7,100.00	6,041.88	5,848.84	5,803.93	74.77	23.97	76.08	-799.33	4,714.35	2,478.95	2,383.44	95.51	25.955		
7,200.00	6,123.41	5,955.10	5,909.99	76.01	24.36	77.57	-805.69	4,713.26	2,468.19	2,370.77	97.42	25.335		
7,300.00	6,204.94	6,042.19	5,996.97	77.24	24.67	78.78	-810.12	4,712.52	2,458.37	2,359.15	99.22	24.776		
7,400.00	6,286.46	6,142.50	6,097.17	78.48	25.02	80.18	-814.67	4,711.84	2,449.71	2,348.67	101.04	24.244		
7,500.00	6,367.99	6,231.35	6,185.98	79.71	25.32	81.39	-817.29	4,712.16	2,441.75	2,338.97	102.78	23.757		
7,600.00	6,449.52	6,340.38	6,294.98	80.95	25.67	82.88	-819.82	4,712.87	2,434.90	2,330.36	104.54	23.291		
7,700.00	6,531.05	6,447.56	6,402.15	82.19	26.00	84.33	-820.77	4,713.36	2,428.24	2,321.98	106.25	22.853		
7,800.00	6,612.57	6,485.33	6,438.92	83.42	26.12	84.84	-821.01	4,713.89	2,423.22	2,315.49	107.72	22.494		
7,900.00	6,694.10	6,517.95	6,472.51	84.66	26.22	85.27	-821.65	4,715.12	2,421.21	2,312.11	109.10	22.192		
7,910.50	6,702.66	6,521.42	6,475.97	84.79	26.23	85.31	-821.74	4,715.29	2,421.17	2,311.93	109.24	22.163		
8,000.00	6,775.63	6,550.00	6,504.48	85.89	26.31	85.68	-822.67	4,717.04	2,422.19	2,311.80	110.39	21.942		
8,100.00	6,857.16	6,587.55	6,541.82	87.13	26.42	86.14	-824.12	4,720.65	2,426.08	2,314.47	111.62	21.735		
8,200.00	6,938.68	6,645.00	6,598.47	88.37	26.59	86.77	-826.46	4,729.82	2,432.94	2,320.04	112.90	21.550		
8,300.00	7,020.21	6,645.00	6,598.47	89.60	26.59	86.77	-826.46	4,729.82	2,442.29	2,328.57	113.71	21.477		
8,310.57	7,028.83	6,645.00	6,598.47	89.73	26.59	86.77	-826.46	4,729.82	2,443.52	2,329.72	113.79	21.474		
8,350.00	7,060.23	6,684.55	6,637.01	90.25	26.70	84.76	-828.23	4,738.54	2,447.13	2,332.73	114.40	21.391		
8,400.00	7,097.77	6,703.90	6,655.70	90.98	26.75	82.58	-829.16	4,743.46	2,450.85	2,335.84	115.01	21.310		
8,450.00	7,132.48	6,738.00	6,688.34	91.79	26.84	81.18	-830.94	4,753.15	2,453.33	2,337.51	115.82	21.183		
8,500.00	7,164.10	6,738.00	6,688.34	92.67	26.84	79.84	-830.94	4,753.15	2,454.28	2,337.87	116.40	21.084		
8,550.00	7,192.40	6,765.71	6,714.53	93.63	26.90	79.26	-832.37	4,762.08	2,453.97	2,336.68	117.29	20.923		
8,600.00	7,217.15	6,788.85	6,736.12	94.64	26.96	78.97	-833.48	4,770.33	2,452.32	2,334.13	118.19	20.748		
8,650.00	7,238.16	6,811.69	6,757.16	95.70	27.01	78.98	-834.48	4,779.17	2,449.39	2,330.24	119.15	20.557		
8,700.00	7,255.29	6,835.06	6,778.37	96.80	27.07	79.29	-835.41	4,788.92	2,445.24	2,325.08	120.16	20.350		
8,750.00	7,268.39	6,873.49	6,812.73	97.92	27.14	80.12	-836.64	4,806.08	2,439.81	2,318.46	121.35	20.106		
8,800.00	7,277.37	6,911.24	6,845.92	99.06	27.21	81.21	-837.43	4,824.04	2,433.13	2,310.57	122.56	19.853		
8,850.00	7,282.15	6,941.11	6,871.70	100.20	27.27	82.40	-837.75	4,839.13	2,425.34	2,301.64	123.70	19.607		
8,881.61	7,283.00	6,956.81	6,884.92	100.91	27.29	83.20	-837.78	4,847.61	2,419.96	2,295.56	124.39	19.454		
8,900.00	7,283.00	6,966.29	6,892.75	101.33	27.30	83.39	-837.76	4,852.93	2,416.78	2,291.98	124.80	19.365		
9,000.00	7,283.00	7,021.00	6,935.92	103.59	27.39	84.42	-836.91	4,886.49	2,401.04	2,274.01	127.03	18.902		
9,100.00	7,283.00	7,085.89	6,982.95	105.87	27.45	85.55	-834.92	4,931.13	2,387.73	2,258.36	129.37	18.457		
9,200.00	7,283.00	7,137.32	7,017.32	108.18	27.50	86.37	-833.01	4,969.32	2,376.77	2,245.21	131.56	18.066		
9,300.00	7,283.00	7,180.76	7,043.79	110.50	27.54	87.01	-831.66	5,003.73	2,368.56	2,234.91	133.65	17.722		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 195-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,400.00	7,283.00	7,208.00	7,059.06	112.84	27.56	87.38	-830.99	5,026.27	2,363.14	2,227.67	135.47	17.444		
9,500.00	7,283.00	7,266.36	7,089.11	115.19	27.61	88.11	-830.40	5,076.28	2,360.18	2,222.39	137.79	17.129		
9,565.51	7,283.00	7,301.00	7,105.44	116.74	27.65	88.51	-830.70	5,106.83	2,359.79	2,220.55	139.24	16.948		
9,600.00	7,283.00	7,301.00	7,105.44	117.56	27.65	88.51	-830.70	5,106.83	2,360.04	2,220.38	139.67	16.898		
9,700.00	7,283.00	7,359.96	7,129.17	119.95	27.74	89.08	-832.23	5,160.74	2,362.28	2,220.22	142.06	16.629		
9,800.00	7,283.00	7,439.43	7,151.66	122.34	28.06	89.63	-835.70	5,236.83	2,366.56	2,221.57	144.99	16.322		
9,900.00	7,283.00	7,718.13	7,177.11	124.76	31.35	90.25	-835.14	5,513.73	2,365.23	2,212.20	153.03	15.456		
10,000.00	7,283.00	7,823.66	7,177.69	127.18	33.00	90.26	-831.50	5,619.19	2,361.95	2,204.71	157.23	15.022		
10,100.00	7,283.00	7,919.74	7,178.22	129.61	34.64	90.27	-828.24	5,715.22	2,358.72	2,197.38	161.35	14.619		
10,200.00	7,283.00	8,024.91	7,178.55	132.06	36.56	90.28	-824.73	5,820.33	2,355.56	2,189.72	165.83	14.204		
10,300.00	7,283.00	8,123.92	7,177.60	134.52	38.47	90.26	-821.22	5,919.27	2,352.17	2,181.90	170.27	13.815		
10,400.00	7,283.00	8,270.74	7,180.22	136.98	41.45	90.32	-814.00	6,065.86	2,347.22	2,171.04	176.17	13.323		
10,500.00	7,283.00	8,331.00	7,181.97	139.46	42.72	90.37	-811.14	6,126.03	2,342.69	2,163.01	179.67	13.039		
10,600.00	7,283.00	8,391.44	7,182.85	141.94	44.03	90.39	-809.29	6,186.44	2,339.85	2,156.66	183.19	12.773		
10,700.00	7,283.00	8,480.99	7,182.30	144.44	46.00	90.37	-808.01	6,275.97	2,338.54	2,150.92	187.62	12.464		
10,800.00	7,283.00	8,639.97	7,180.35	146.94	49.60	90.33	-803.21	6,434.86	2,335.60	2,141.31	194.29	12.021		
10,900.00	7,283.00	8,730.51	7,180.23	149.45	51.69	90.33	-799.69	6,525.33	2,331.88	2,133.00	198.88	11.725		
11,000.00	7,283.00	8,834.88	7,184.45	151.96	54.14	90.43	-795.54	6,629.52	2,328.09	2,124.15	203.94	11.415		
11,100.00	7,283.00	8,921.43	7,187.64	154.49	56.20	90.51	-792.28	6,715.95	2,324.52	2,116.04	208.48	11.150		
11,200.00	7,283.00	8,994.00	7,187.98	157.01	57.95	90.52	-790.19	6,788.49	2,321.83	2,109.26	212.57	10.923		
11,300.00	7,283.00	9,075.91	7,186.99	159.55	59.94	90.49	-788.64	6,870.38	2,320.12	2,103.13	216.98	10.693		
11,400.00	7,283.00	9,174.79	7,186.24	162.09	62.36	90.48	-787.34	6,969.24	2,318.96	2,096.97	221.99	10.446		
11,500.00	7,283.00	9,286.04	7,187.43	164.64	65.11	90.51	-785.57	7,080.47	2,317.54	2,090.10	227.44	10.190		
11,600.00	7,283.00	9,394.60	7,188.42	167.19	67.82	90.53	-783.05	7,188.99	2,315.37	2,082.55	232.82	9.945		
11,700.00	7,283.00	9,467.00	7,188.64	169.75	69.63	90.54	-781.97	7,261.38	2,314.01	2,077.03	236.98	9.765		
11,800.00	7,283.00	9,575.15	7,190.49	172.31	72.36	90.58	-780.83	7,369.51	2,313.15	2,070.75	242.40	9.543		
11,900.00	7,283.00	9,685.94	7,192.48	174.88	75.17	90.63	-778.73	7,480.26	2,311.41	2,063.50	247.92	9.323		
12,000.00	7,283.00	9,751.00	7,193.42	177.45	76.83	90.66	-777.79	7,545.31	2,310.26	2,058.42	251.85	9.173		
12,043.38	7,283.00	9,790.32	7,194.09	178.57	77.83	90.67	-777.55	7,584.61	2,310.09	2,056.15	253.94	9.097		
12,100.00	7,283.00	9,828.08	7,194.86	180.03	78.80	90.69	-777.63	7,622.38	2,310.32	2,054.14	256.18	9.018		
12,200.00	7,283.00	9,897.11	7,196.35	182.61	80.58	90.73	-778.54	7,691.38	2,311.82	2,051.63	260.20	8.885		
12,300.00	7,283.00	9,969.95	7,197.53	185.19	82.46	90.76	-780.44	7,764.18	2,314.61	2,050.28	264.33	8.757		
12,400.00	7,283.00	10,050.84	7,198.51	187.78	84.55	90.78	-783.37	7,845.02	2,318.40	2,049.64	268.76	8.626		
12,500.00	7,283.00	10,148.94	7,197.19	190.37	87.10	90.75	-787.34	7,943.02	2,322.59	2,048.69	273.91	8.480		
12,600.00	7,283.00	10,382.27	7,196.84	192.97	93.17	90.74	-789.23	8,176.26	2,323.05	2,038.85	284.19	8.174		
12,700.00	7,283.00	10,484.87	7,200.16	195.57	95.84	90.82	-787.51	8,278.79	2,321.58	2,032.06	289.52	8.019		
12,800.00	7,283.00	10,592.07	7,203.06	198.17	98.64	90.89	-785.32	8,385.93	2,319.74	2,024.73	295.01	7.863		
12,900.00	7,283.00	10,685.72	7,206.16	200.77	101.09	90.97	-783.38	8,479.51	2,317.89	2,017.84	300.04	7.725		
13,000.00	7,283.00	10,772.38	7,207.49	203.38	103.36	91.00	-782.01	8,566.15	2,316.51	2,011.67	304.84	7.599		
13,100.00	7,283.00	10,867.75	7,207.70	205.99	105.87	91.01	-781.04	8,661.51	2,315.66	2,005.72	309.94	7.471		
13,200.00	7,283.00	10,970.46	7,209.47	208.61	108.57	91.05	-779.83	8,764.19	2,314.67	1,999.36	315.31	7.341		
13,300.00	7,283.00	11,094.88	7,210.64	211.22	111.85	91.08	-777.95	8,888.59	2,313.38	1,991.95	321.44	7.197		
13,400.00	7,283.00	11,183.71	7,210.98	213.84	114.19	91.09	-776.12	8,977.40	2,311.51	1,985.18	326.34	7.083		
13,500.00	7,283.00	11,351.95	7,210.95	216.47	118.62	91.09	-770.68	9,145.55	2,308.42	1,974.56	333.86	6.914		
13,600.00	7,283.00	11,442.36	7,210.39	219.09	121.01	91.08	-766.37	9,235.85	2,303.84	1,964.99	338.85	6.799		
13,700.00	7,283.00	11,538.79	7,209.88	221.72	123.55	91.07	-762.59	9,332.21	2,300.07	1,956.04	344.03	6.686		
13,800.00	7,283.00	11,633.59	7,208.28	224.34	126.05	91.03	-758.64	9,426.90	2,296.04	1,946.87	349.16	6.576		
13,900.00	7,283.00	11,725.70	7,204.99	226.97	128.49	90.95	-755.36	9,518.90	2,292.57	1,938.35	354.22	6.472		
13,979.99	7,283.00	11,728.00	7,204.91	229.08	128.55	90.95	-755.28	9,521.20	2,291.18	1,935.42	355.76	6.440 CC		
14,000.00	7,283.00	11,728.00	7,204.91	229.61	128.55	90.95	-755.28	9,521.20	2,291.26	1,935.20	356.06	6.435 ES		
14,100.00	7,283.00	11,728.00	7,204.91	232.24	128.55	90.95	-755.28	9,521.20	2,294.32	1,937.14	357.18	6.423 SF		
14,200.00	7,283.00	11,728.00	7,204.91	234.88	128.55	90.95	-755.28	9,521.20	2,301.72	1,944.07	357.65	6.436		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 195-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,283.00	11,728.00	7,204.91	237.52	128.55	90.95	-755.28	9,521.20	2,313.42	1,955.95	357.47	6.472		
14,400.00	7,283.00	11,728.00	7,204.91	240.16	128.55	90.95	-755.28	9,521.20	2,329.36	1,972.69	356.67	6.531		
14,500.00	7,283.00	11,728.00	7,204.91	242.80	128.55	90.95	-755.28	9,521.20	2,349.45	1,994.17	355.28	6.613		
14,600.00	7,283.00	11,728.00	7,204.91	245.44	128.55	90.95	-755.28	9,521.20	2,373.58	2,020.25	353.33	6.718		
14,700.00	7,283.00	11,728.00	7,204.91	248.09	128.55	90.95	-755.28	9,521.20	2,401.65	2,050.77	350.88	6.845		
14,800.00	7,283.00	11,728.00	7,204.91	250.74	128.55	90.95	-755.28	9,521.20	2,433.50	2,085.54	347.96	6.994		
14,900.00	7,283.00	11,728.00	7,204.91	253.38	128.55	90.95	-755.28	9,521.20	2,468.99	2,124.36	344.63	7.164		
15,000.00	7,283.00	11,728.00	7,204.91	256.03	128.55	90.95	-755.28	9,521.20	2,507.97	2,167.02	340.95	7.356		
15,100.00	7,283.00	11,728.00	7,204.91	258.69	128.55	90.95	-755.28	9,521.20	2,550.28	2,213.32	336.96	7.569		
15,200.00	7,283.00	11,728.00	7,204.91	261.34	128.55	90.95	-755.28	9,521.20	2,595.75	2,263.04	332.71	7.802		
15,300.00	7,283.00	11,728.00	7,204.91	263.99	128.55	90.95	-755.28	9,521.20	2,644.22	2,315.96	328.26	8.055		
15,400.00	7,283.00	11,728.00	7,204.91	266.65	128.55	90.95	-755.28	9,521.20	2,695.54	2,371.88	323.65	8.328		
15,500.00	7,283.00	11,728.00	7,204.91	269.31	128.55	90.95	-755.28	9,521.20	2,749.53	2,430.61	318.92	8.621		
15,600.00	7,283.00	11,728.00	7,204.91	271.96	128.55	90.95	-755.28	9,521.20	2,806.05	2,491.94	314.11	8.933		
15,700.00	7,283.00	11,728.00	7,204.91	274.62	128.55	90.95	-755.28	9,521.20	2,864.95	2,555.69	309.26	9.264		
15,800.00	7,283.00	11,728.00	7,204.91	277.28	128.55	90.95	-755.28	9,521.20	2,926.07	2,621.69	304.38	9.613		
15,900.00	7,283.00	11,728.00	7,204.91	279.94	128.55	90.95	-755.28	9,521.20	2,989.30	2,689.79	299.51	9.981		
16,000.00	7,283.00	11,728.00	7,204.91	282.61	128.55	90.95	-755.28	9,521.20	3,054.49	2,759.82	294.67	10.366		
16,100.00	7,283.00	11,728.00	7,204.91	285.27	128.55	90.95	-755.28	9,521.20	3,121.53	2,831.64	289.88	10.768		
16,200.00	7,283.00	11,728.00	7,204.91	287.94	128.55	90.95	-755.28	9,521.20	3,190.29	2,905.13	285.16	11.188		
16,300.00	7,283.00	11,728.00	7,204.91	290.60	128.55	90.95	-755.28	9,521.20	3,260.66	2,980.16	280.51	11.624		
16,400.00	7,283.00	11,728.00	7,204.91	293.27	128.55	90.95	-755.28	9,521.20	3,332.55	3,056.61	275.94	12.077		
16,500.00	7,283.00	11,728.00	7,204.91	295.94	128.55	90.95	-755.28	9,521.20	3,405.87	3,134.39	271.47	12.546		
16,600.00	7,283.00	11,728.00	7,204.91	298.60	128.55	90.95	-755.28	9,521.20	3,480.51	3,213.40	267.10	13.031		
16,700.00	7,283.00	11,728.00	7,204.91	301.27	128.55	90.95	-755.28	9,521.20	3,556.39	3,293.55	262.84	13.531		
16,800.00	7,283.00	11,728.00	7,204.91	303.94	128.55	90.95	-755.28	9,521.20	3,633.45	3,374.76	258.69	14.046		
16,900.00	7,283.00	11,728.00	7,204.91	306.62	128.55	90.95	-755.28	9,521.20	3,711.59	3,456.95	254.64	14.576		
17,000.00	7,283.00	11,728.00	7,204.91	309.29	128.55	90.95	-755.28	9,521.20	3,790.77	3,540.06	250.71	15.120		
17,100.00	7,283.00	11,728.00	7,204.91	311.96	128.55	90.95	-755.28	9,521.20	3,870.91	3,624.02	246.89	15.679		
17,200.00	7,283.00	11,728.00	7,204.91	314.63	128.55	90.95	-755.28	9,521.20	3,951.95	3,708.77	243.18	16.251		
17,300.00	7,283.00	11,728.00	7,204.91	317.31	128.55	90.95	-755.28	9,521.20	4,033.85	3,794.26	239.59	16.837		
17,400.00	7,283.00	11,728.00	7,204.91	319.98	128.55	90.95	-755.28	9,521.20	4,116.54	3,880.45	236.10	17.436		
17,500.00	7,283.00	11,728.00	7,204.91	322.66	128.55	90.95	-755.28	9,521.20	4,199.99	3,967.28	232.71	18.048		
17,600.00	7,283.00	11,728.00	7,204.91	325.34	128.55	90.95	-755.28	9,521.20	4,284.15	4,054.71	229.44	18.672		
17,700.00	7,283.00	11,728.00	7,204.91	328.01	128.55	90.95	-755.28	9,521.20	4,368.97	4,142.71	226.26	19.309		
17,800.00	7,283.00	11,728.00	7,204.91	330.69	128.55	90.95	-755.28	9,521.20	4,454.43	4,231.24	223.19	19.958		
17,900.00	7,283.00	11,728.00	7,204.91	333.37	128.55	90.95	-755.28	9,521.20	4,540.48	4,320.27	220.21	20.619		
18,000.00	7,283.00	11,728.00	7,204.91	336.05	128.55	90.95	-755.28	9,521.20	4,627.09	4,409.76	217.33	21.291		
18,100.00	7,283.00	11,728.00	7,204.91	338.73	128.55	90.95	-755.28	9,521.20	4,714.23	4,499.69	214.53	21.974		
18,200.00	7,283.00	11,728.00	7,204.91	341.41	128.55	90.95	-755.28	9,521.20	4,801.87	4,590.04	211.83	22.668		
18,300.00	7,283.00	11,728.00	7,204.91	344.09	128.55	90.95	-755.28	9,521.20	4,889.98	4,680.77	209.21	23.373		
18,400.00	7,283.00	11,728.00	7,204.91	346.77	128.55	90.95	-755.28	9,521.20	4,978.55	4,771.87	206.68	24.088		
18,500.00	7,283.00	11,728.00	7,204.91	349.46	128.55	90.95	-755.28	9,521.20	5,067.54	4,863.32	204.22	24.814		
18,600.00	7,283.00	11,728.00	7,204.91	352.14	128.55	90.95	-755.28	9,521.20	5,156.93	4,955.09	201.85	25.549		
18,700.00	7,283.00	11,728.00	7,204.91	354.82	128.55	90.95	-755.28	9,521.20	5,246.71	5,047.17	199.54	26.294		
18,800.00	7,283.00	11,728.00	7,204.91	357.51	128.55	90.95	-755.28	9,521.20	5,336.85	5,139.54	197.31	27.048		
18,900.00	7,283.00	11,728.00	7,204.91	360.19	128.55	90.95	-755.28	9,521.20	5,427.33	5,232.18	195.15	27.811		
19,000.00	7,283.00	11,728.00	7,204.91	362.88	128.55	90.95	-755.28	9,521.20	5,518.15	5,325.09	193.06	28.583		
19,100.00	7,283.00	11,728.00	7,204.91	365.56	128.55	90.95	-755.28	9,521.20	5,609.27	5,418.25	191.03	29.364		
19,200.00	7,283.00	11,728.00	7,204.91	368.25	128.55	90.95	-755.28	9,521.20	5,700.70	5,511.64	189.06	30.153		
19,247.68	7,283.00	11,728.00	7,204.91	369.53	128.55	90.95	-755.28	9,521.20	5,744.39	5,556.24	188.15	30.532		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 2-T4N-R68W - SRC VISTA D-2N-A - Wellbore #1 - Wellbore #1		Offset Site Error:		0.00 usft	
Survey Program: 195-MWD														Offset Well Error:		0.00 usft		
Reference		Offset		Semi Major Axis			Distance							Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor						
100.00	100.00	0.00	0.00	0.27	0.00	91.35	-116.10	4,942.82	4,944.20	4,943.94	0.27	N/A						
116.00	116.00	0.00	0.00	0.33	0.00	91.35	-116.10	4,942.82	4,944.18	4,943.85	0.33	N/A						
200.00	200.00	70.50	70.50	0.63	0.11	91.35	-116.22	4,942.91	4,944.29	4,943.55	0.74	6,671.595						
300.00	299.98	154.41	154.41	0.98	0.25	21.76	-116.70	4,943.26	4,943.11	4,941.88	1.23	4,016.733						
400.00	399.84	442.16	442.02	1.34	1.20	21.94	-123.10	4,939.91	4,937.50	4,934.96	2.55	1,939.100						
500.00	499.45	555.21	554.77	1.71	1.62	22.16	-130.16	4,935.85	4,925.98	4,922.66	3.33	1,479.861						
600.00	598.70	729.22	727.65	2.10	2.31	22.58	-148.09	4,927.68	4,910.20	4,905.83	4.38	1,121.590						
700.00	697.47	788.53	786.55	2.51	2.54	22.85	-154.34	4,924.67	4,891.11	4,886.13	4.98	981.436						
800.00	795.62	844.00	841.69	2.95	2.77	23.14	-159.96	4,922.48	4,869.90	4,864.32	5.58	872.587						
900.00	893.06	922.95	920.15	3.43	3.09	23.52	-168.40	4,919.82	4,846.22	4,839.94	6.28	771.179						
1,000.00	989.64	1,115.31	1,110.88	3.95	3.88	24.29	-191.78	4,911.16	4,818.50	4,811.03	7.47	645.020						
1,100.00	1,085.27	1,234.48	1,229.13	4.52	4.38	24.92	-204.76	4,904.30	4,786.66	4,778.30	8.36	572.512						
1,200.00	1,179.82	1,317.00	1,311.15	5.14	4.71	25.49	-212.54	4,899.56	4,751.90	4,742.79	9.11	521.580						
1,300.00	1,273.17	1,375.67	1,369.49	5.81	4.95	26.03	-218.00	4,896.45	4,714.68	4,704.89	9.78	481.893						
1,400.00	1,365.21	1,435.49	1,428.94	6.54	5.19	26.62	-223.87	4,893.56	4,675.17	4,664.69	10.48	446.021						
1,500.00	1,455.84	1,506.00	1,498.99	7.33	5.48	27.33	-231.43	4,890.68	4,633.59	4,622.35	11.25	412.015						
1,600.00	1,544.94	1,567.88	1,560.45	8.19	5.73	28.06	-238.23	4,888.40	4,589.73	4,577.73	12.00	382.428						
1,700.00	1,632.39	1,631.39	1,623.57	9.12	5.99	28.85	-244.92	4,886.16	4,543.47	4,530.68	12.79	355.290						
1,800.00	1,718.11	1,682.00	1,673.88	10.11	6.19	29.65	-250.18	4,884.67	4,495.20	4,481.65	13.55	331.679						
1,900.00	1,801.97	1,755.79	1,747.26	11.18	6.49	30.64	-257.78	4,882.81	4,444.84	4,430.40	14.44	307.861						
1,969.27	1,858.92	1,802.66	1,793.87	11.96	6.68	31.36	-262.58	4,881.74	4,408.71	4,393.65	15.05	292.843						
2,000.00	1,883.98	1,823.46	1,814.56	12.31	6.76	31.48	-264.68	4,881.29	4,392.47	4,377.14	15.33	286.472						
2,100.00	1,965.50	1,932.58	1,923.15	13.48	7.20	32.15	-275.08	4,878.90	4,339.81	4,323.41	16.40	264.684						
2,200.00	2,047.03	2,028.35	2,018.58	14.65	7.57	32.74	-282.75	4,876.08	4,286.59	4,269.17	17.42	246.054						
2,300.00	2,128.56	2,195.11	2,184.65	15.84	8.22	33.79	-296.03	4,869.26	4,232.74	4,214.03	18.72	226.156						
2,400.00	2,210.09	2,284.05	2,273.11	17.03	8.58	34.39	-303.97	4,864.42	4,178.25	4,158.48	19.77	211.394						
2,500.00	2,291.61	2,359.36	2,347.99	18.23	8.88	34.91	-310.76	4,860.21	4,123.95	4,103.16	20.79	198.372						
2,600.00	2,373.14	2,431.00	2,419.22	19.44	9.17	35.41	-317.33	4,856.33	4,070.10	4,048.27	21.82	186.510						
2,700.00	2,454.67	2,501.80	2,489.63	20.64	9.45	35.92	-323.81	4,852.59	4,016.66	3,993.79	22.87	175.596						
2,800.00	2,536.20	2,571.82	2,559.28	21.86	9.73	36.43	-329.98	4,848.95	3,963.58	3,939.64	23.94	165.544						
2,900.00	2,617.72	2,640.84	2,627.98	23.07	10.01	36.94	-335.71	4,845.58	3,911.01	3,885.99	25.03	156.266						
3,000.00	2,699.25	2,715.00	2,701.74	24.29	10.31	37.51	-342.50	4,841.94	3,858.89	3,832.73	26.16	147.533						
3,100.00	2,780.78	2,773.80	2,760.20	25.50	10.54	37.97	-348.15	4,839.15	3,807.34	3,780.08	27.26	139.684						
3,200.00	2,862.31	2,838.04	2,824.12	26.73	10.80	38.47	-354.02	4,836.46	3,756.51	3,728.12	28.40	132.288						
3,300.00	2,943.83	2,905.00	2,890.77	27.95	11.07	39.01	-359.88	4,833.85	3,706.25	3,676.69	29.57	125.359						
3,400.00	3,025.36	2,964.94	2,950.42	29.17	11.31	39.50	-365.31	4,831.70	3,656.70	3,625.97	30.74	118.975						
3,500.00	3,106.89	3,024.88	3,010.03	30.40	11.54	40.00	-371.20	4,829.79	3,608.01	3,576.08	31.93	112.999						
3,600.00	3,188.42	3,093.00	3,077.86	31.62	11.81	40.57	-377.32	4,828.03	3,560.07	3,526.90	33.17	107.320						
3,700.00	3,269.94	3,195.46	3,179.93	32.85	12.21	41.44	-385.90	4,825.33	3,512.44	3,477.89	34.55	101.664						
3,800.00	3,351.47	3,330.26	3,314.20	34.07	12.74	42.61	-396.43	4,820.13	3,464.16	3,428.11	36.05	96.092						
3,900.00	3,433.00	3,419.96	3,403.54	35.30	13.09	43.42	-403.48	4,816.00	3,415.93	3,378.50	37.43	91.258						
4,000.00	3,514.53	3,605.59	3,588.23	36.53	13.82	45.17	-417.00	4,803.39	3,366.13	3,327.01	39.13	86.033						
4,100.00	3,596.05	3,663.28	3,645.49	37.76	14.06	45.75	-422.11	4,798.54	3,316.39	3,275.91	40.48	81.921						
4,200.00	3,677.58	3,734.70	3,716.32	38.99	14.35	46.50	-429.02	4,792.63	3,267.54	3,225.62	41.92	77.952						
4,300.00	3,759.11	3,800.58	3,781.73	40.22	14.62	47.19	-434.88	4,787.34	3,219.33	3,175.97	43.36	74.246						
4,400.00	3,840.64	3,853.04	3,833.81	41.45	14.84	47.75	-439.76	4,783.40	3,172.22	3,127.43	44.79	70.825						
4,500.00	3,922.16	3,870.00	3,850.65	42.68	14.91	47.93	-441.42	4,782.18	3,126.63	3,080.51	46.12	67.788						
4,600.00	4,003.69	3,930.02	3,910.29	43.91	15.15	48.59	-447.19	4,778.66	3,082.32	3,034.69	47.63	64.715						
4,700.00	4,085.22	3,965.00	3,945.09	45.15	15.29	48.96	-450.43	4,777.30	3,039.93	2,990.87	49.07	61.957						
4,800.00	4,166.75	4,032.64	4,012.36	46.38	15.56	49.71	-457.09	4,775.12	2,998.93	2,948.28	50.65	59.211						
4,900.00	4,248.27	4,101.74	4,081.03	47.61	15.84	50.49	-464.56	4,772.92	2,959.03	2,906.76	52.27	56.609						
5,000.00	4,329.80	4,174.10	4,152.99	48.84	16.13	51.32	-471.87	4,770.97	2,920.11	2,866.17	53.93	54.145						

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 195-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,411.33	4,245.00	4,223.44	50.08	16.42	52.15	-479.59	4,768.99	2,882.22	2,826.60	55.62	51.821		
5,200.00	4,492.86	4,324.70	4,302.61	51.31	16.75	53.11	-488.49	4,766.70	2,845.31	2,787.94	57.38	49.590		
5,300.00	4,574.38	4,405.52	4,382.95	52.54	17.07	54.09	-497.02	4,764.53	2,809.24	2,750.08	59.16	47.486		
5,400.00	4,655.91	4,485.06	4,462.03	53.78	17.39	55.06	-505.18	4,762.43	2,774.06	2,713.10	60.96	45.505		
5,500.00	4,737.44	4,568.49	4,544.99	55.01	17.73	56.11	-513.75	4,760.13	2,739.82	2,677.01	62.81	43.623		
5,600.00	4,818.97	4,652.51	4,628.57	56.24	18.07	57.17	-521.99	4,757.74	2,706.36	2,641.69	64.68	41.845		
5,700.00	4,900.49	4,751.73	4,727.34	57.48	18.46	58.44	-531.13	4,755.05	2,673.88	2,607.25	66.62	40.133		
5,800.00	4,982.02	4,863.65	4,838.69	58.71	18.91	59.93	-541.16	4,749.93	2,640.99	2,572.33	68.66	38.466		
5,900.00	5,063.55	4,949.12	4,923.74	59.95	19.25	61.08	-548.50	4,745.90	2,609.15	2,538.54	70.61	36.954		
6,000.00	5,145.08	5,041.49	5,015.63	61.18	19.62	62.36	-556.45	4,740.77	2,577.98	2,505.37	72.61	35.507		
6,100.00	5,226.60	5,113.55	5,087.35	62.42	19.90	63.36	-562.19	4,736.85	2,547.85	2,473.30	74.54	34.180		
6,200.00	5,308.13	5,167.30	5,140.87	63.65	20.11	64.12	-566.59	4,734.31	2,519.52	2,443.10	76.41	32.972		
6,300.00	5,389.66	5,243.01	5,216.25	64.89	20.41	65.19	-572.90	4,731.27	2,492.99	2,414.61	78.38	31.806		
6,400.00	5,471.19	5,320.91	5,293.87	66.12	20.71	66.30	-578.82	4,728.42	2,467.63	2,387.27	80.36	30.708		
6,500.00	5,552.72	5,391.68	5,364.37	67.36	20.99	67.32	-584.44	4,725.83	2,443.81	2,361.50	82.31	29.689		
6,600.00	5,634.24	5,464.13	5,436.48	68.59	21.28	68.39	-590.72	4,722.90	2,421.59	2,337.30	84.29	28.730		
6,700.00	5,715.77	5,542.96	5,514.94	69.83	21.59	69.57	-597.72	4,719.64	2,400.91	2,314.62	86.29	27.823		
6,800.00	5,797.30	5,608.41	5,580.11	71.06	21.85	70.55	-603.32	4,717.26	2,381.85	2,293.63	88.22	26.999		
6,900.00	5,878.83	5,673.95	5,645.35	72.30	22.11	71.54	-609.15	4,715.30	2,364.82	2,274.69	90.13	26.237		
7,000.00	5,960.35	5,755.43	5,726.50	73.53	22.43	72.76	-616.14	4,713.31	2,349.44	2,257.34	92.11	25.508		
7,100.00	6,041.88	5,845.46	5,816.22	74.77	22.77	74.12	-623.35	4,711.27	2,335.36	2,241.26	94.10	24.818		
7,200.00	6,123.41	5,963.79	5,934.32	76.01	23.21	75.88	-630.46	4,709.33	2,321.83	2,225.66	96.17	24.142		
7,300.00	6,204.94	6,049.08	6,019.50	77.24	23.52	77.15	-634.55	4,708.08	2,309.16	2,211.08	98.07	23.546		
7,400.00	6,286.46	6,126.88	6,097.19	78.48	23.81	78.32	-638.40	4,706.68	2,297.96	2,198.04	99.92	22.998		
7,500.00	6,367.99	6,232.86	6,203.07	79.71	24.19	79.91	-642.83	4,705.04	2,287.91	2,186.07	101.84	22.465		
7,600.00	6,449.52	6,297.14	6,267.31	80.95	24.41	80.87	-645.08	4,704.57	2,279.26	2,175.70	103.56	22.008		
7,700.00	6,531.05	6,317.00	6,287.15	82.19	24.48	81.17	-645.80	4,704.52	2,273.17	2,168.14	105.03	21.643		
7,800.00	6,612.57	6,364.52	6,334.60	83.42	24.64	81.85	-647.86	4,705.86	2,269.93	2,163.40	106.53	21.307		
7,839.50	6,644.78	6,375.95	6,346.00	83.91	24.68	82.01	-648.45	4,706.61	2,269.67	2,162.60	107.07	21.199		
7,900.00	6,694.10	6,411.00	6,380.82	84.66	24.80	82.47	-650.51	4,709.89	2,270.46	2,162.50	107.96	21.031		
8,000.00	6,775.63	6,411.00	6,380.82	85.89	24.80	82.47	-650.51	4,709.89	2,274.02	2,165.05	108.97	20.868		
8,100.00	6,857.16	6,453.67	6,422.91	87.13	24.92	83.00	-653.39	4,716.30	2,280.81	2,170.65	110.16	20.705		
8,200.00	6,938.68	6,506.00	6,473.70	88.37	25.08	83.56	-657.32	4,728.15	2,291.12	2,179.76	111.36	20.574		
8,300.00	7,020.21	6,540.39	6,506.65	89.60	25.17	83.89	-659.89	4,737.68	2,303.79	2,191.47	112.32	20.512		
8,310.57	7,028.83	6,550.79	6,516.58	89.73	25.19	83.98	-660.61	4,740.68	2,305.23	2,192.76	112.48	20.495		
8,350.00	7,060.23	6,662.36	6,623.47	90.25	25.49	82.66	-666.55	4,771.85	2,309.20	2,195.43	113.76	20.298		
8,400.00	7,097.77	6,686.00	6,646.26	90.98	25.55	80.61	-667.64	4,777.98	2,312.10	2,197.67	114.43	20.205		
8,450.00	7,132.48	6,686.00	6,646.26	91.79	25.55	78.85	-667.64	4,777.98	2,313.81	2,198.85	114.96	20.127		
8,500.00	7,164.10	6,686.00	6,646.26	92.67	25.55	77.53	-667.64	4,777.98	2,314.43	2,198.90	115.53	20.033		
8,550.00	7,192.40	6,727.37	6,686.05	93.63	25.65	77.28	-669.77	4,788.97	2,312.12	2,195.53	116.59	19.832		
8,600.00	7,217.15	6,734.95	6,693.16	94.64	25.67	76.81	-670.29	4,791.55	2,309.88	2,192.52	117.35	19.683		
8,650.00	7,238.16	6,742.29	6,699.98	95.70	25.69	76.62	-670.82	4,794.21	2,306.49	2,188.33	118.16	19.520		
8,700.00	7,255.29	6,780.00	6,733.87	96.80	25.79	77.25	-674.16	4,810.35	2,302.96	2,183.60	119.37	19.293		
8,750.00	7,268.39	6,780.00	6,733.87	97.92	25.79	77.44	-674.16	4,810.35	2,297.05	2,176.88	120.16	19.116		
8,800.00	7,277.37	6,780.00	6,733.87	99.06	25.79	77.83	-674.16	4,810.35	2,290.25	2,169.29	120.96	18.933		
8,850.00	7,282.15	6,780.00	6,733.87	100.20	25.79	78.41	-674.16	4,810.35	2,282.63	2,160.86	121.77	18.746		
8,881.61	7,283.00	6,780.00	6,733.87	100.91	25.79	78.87	-674.16	4,810.35	2,277.40	2,155.13	122.27	18.626		
8,900.00	7,283.00	6,780.00	6,733.87	101.33	25.79	78.87	-674.16	4,810.35	2,274.34	2,151.78	122.56	18.557		
9,000.00	7,283.00	6,984.45	6,870.71	103.59	26.02	82.32	-670.52	4,957.43	2,257.17	2,130.38	126.79	17.802		
9,100.00	7,283.00	7,063.00	6,899.53	105.87	25.99	83.03	-660.80	5,029.73	2,239.24	2,109.73	129.50	17.291		
9,200.00	7,283.00	7,063.00	6,899.53	108.18	25.99	83.03	-660.80	5,029.73	2,224.06	2,092.86	131.20	16.952		
9,300.00	7,283.00	7,108.63	6,910.77	110.50	25.98	83.31	-655.73	5,073.64	2,211.21	2,077.72	133.50	16.564		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 195-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,400.00	7,283.00	7,157.00	6,918.68	112.84	26.00	83.51	-653.35	5,121.28	2,203.13	2,067.32	135.81	16.222		
9,500.00	7,283.00	7,157.00	6,918.68	115.19	26.00	83.51	-653.35	5,121.28	2,197.21	2,060.01	137.20	16.014		
9,600.00	7,283.00	7,216.00	6,923.62	117.56	26.37	83.63	-652.58	5,180.05	2,194.87	2,055.18	139.70	15.712		
9,700.00	7,283.00	7,295.97	6,926.29	119.95	27.21	83.70	-651.86	5,259.97	2,193.73	2,050.98	142.75	15.368		
9,800.00	7,283.00	7,404.84	6,926.04	122.34	28.56	83.69	-650.81	5,368.83	2,192.98	2,046.35	146.63	14.955		
9,900.00	7,283.00	7,558.11	6,921.98	124.76	30.81	83.57	-645.86	5,521.96	2,190.09	2,038.19	151.89	14.419		
10,000.00	7,283.00	7,631.00	6,920.19	127.18	32.01	83.52	-643.50	5,594.78	2,187.23	2,031.98	155.25	14.089		
10,100.00	7,283.00	7,791.64	6,922.08	129.61	34.91	83.55	-637.13	5,755.26	2,183.28	2,022.03	161.25	13.540		
10,200.00	7,283.00	7,880.91	6,924.13	132.06	36.64	83.59	-632.55	5,844.39	2,178.11	2,012.74	165.38	13.171		
10,300.00	7,283.00	7,970.29	6,925.45	134.52	38.45	83.61	-628.58	5,933.67	2,173.69	2,004.11	169.58	12.818		
10,400.00	7,283.00	8,056.73	6,925.64	136.98	40.25	83.61	-624.95	6,020.04	2,169.66	1,995.91	173.76	12.487		
10,500.00	7,283.00	8,125.55	6,924.13	139.46	41.73	83.56	-622.49	6,088.80	2,166.58	1,989.18	177.40	12.213		
10,600.00	7,283.00	8,194.00	6,922.18	141.94	43.23	83.51	-621.51	6,157.21	2,165.48	1,984.45	181.04	11.961		
10,700.00	7,283.00	8,299.66	6,918.64	144.44	45.60	83.41	-620.59	6,262.80	2,165.19	1,979.23	185.96	11.643		
10,739.52	7,283.00	8,317.36	6,918.15	145.43	46.01	83.40	-620.49	6,280.49	2,165.07	1,977.97	187.10	11.572 CC		
10,800.00	7,283.00	8,355.14	6,917.39	146.94	46.88	83.38	-620.54	6,318.27	2,165.39	1,976.19	189.20	11.445		
10,900.00	7,283.00	8,443.06	6,916.61	149.45	48.92	83.36	-621.73	6,406.18	2,166.96	1,973.35	193.60	11.193		
11,000.00	7,283.00	8,558.47	6,914.39	151.96	51.65	83.31	-622.79	6,521.56	2,168.28	1,969.23	199.04	10.893		
11,100.00	7,283.00	8,653.53	6,911.76	154.49	53.92	83.24	-623.24	6,616.58	2,169.23	1,965.46	203.77	10.646		
11,200.00	7,283.00	8,720.00	6,909.98	157.01	55.54	83.20	-624.10	6,683.02	2,171.04	1,963.60	207.44	10.466		
11,300.00	7,283.00	8,813.20	6,907.87	159.55	57.82	83.15	-626.81	6,776.16	2,174.32	1,962.18	212.15	10.249		
11,400.00	7,283.00	8,957.70	6,906.93	162.09	61.38	83.14	-629.28	6,920.63	2,176.26	1,957.39	218.87	9.943		
11,500.00	7,283.00	9,074.04	6,908.36	164.64	64.29	83.18	-629.82	7,036.96	2,176.72	1,952.17	224.55	9.694		
11,600.00	7,283.00	9,166.04	6,909.66	167.19	66.60	83.21	-630.05	7,128.95	2,176.98	1,947.63	229.34	9.492		
11,700.00	7,283.00	9,259.44	6,908.80	169.75	68.96	83.19	-630.77	7,222.33	2,178.00	1,943.82	234.18	9.301		
11,800.00	7,283.00	9,423.93	6,907.19	172.31	73.14	83.14	-629.03	7,386.80	2,177.13	1,935.51	241.62	9.010		
11,900.00	7,283.00	9,484.05	6,906.76	174.88	74.68	83.13	-628.19	7,446.91	2,175.97	1,930.67	245.30	8.871		
11,915.29	7,283.00	9,493.41	6,906.75	175.27	74.92	83.13	-628.16	7,456.28	2,175.95	1,930.08	245.86	8.850		
12,000.00	7,283.00	9,589.00	6,907.21	177.45	77.37	83.14	-628.20	7,551.86	2,176.12	1,925.49	250.63	8.683		
12,100.00	7,283.00	9,710.07	6,907.90	180.03	80.48	83.16	-626.79	7,672.93	2,175.04	1,918.48	256.56	8.478		
12,200.00	7,283.00	9,844.81	6,907.65	182.61	83.96	83.14	-623.17	7,807.61	2,172.49	1,909.56	262.94	8.262		
12,300.00	7,283.00	9,926.62	6,906.64	185.19	86.08	83.11	-620.56	7,889.38	2,169.67	1,902.21	267.46	8.112		
12,400.00	7,283.00	9,995.24	6,905.23	187.78	87.86	83.07	-619.20	7,957.96	2,168.13	1,896.65	271.48	7.986		
12,448.06	7,283.00	10,026.32	6,904.56	189.03	88.67	83.05	-618.95	7,989.03	2,167.94	1,894.61	273.33	7.932		
12,500.00	7,283.00	10,068.00	6,903.69	190.37	89.75	83.02	-618.99	8,030.71	2,168.19	1,892.57	275.62	7.867		
12,600.00	7,283.00	10,157.95	6,902.40	192.97	92.10	82.99	-619.59	8,120.65	2,169.15	1,888.74	280.42	7.735		
12,700.00	7,283.00	10,258.00	6,902.10	195.57	94.72	82.99	-620.25	8,220.69	2,170.01	1,884.38	285.63	7.597		
12,800.00	7,283.00	10,353.00	6,901.51	198.17	97.22	82.98	-620.94	8,315.69	2,170.98	1,880.34	290.64	7.470		
12,900.00	7,283.00	10,440.86	6,900.66	200.77	99.53	82.96	-621.96	8,403.54	2,172.42	1,877.05	295.37	7.355		
13,000.00	7,283.00	10,519.51	6,899.87	203.38	101.60	82.94	-623.47	8,482.16	2,174.62	1,874.90	299.72	7.256		
13,100.00	7,283.00	10,628.79	6,897.96	205.99	104.49	82.90	-626.03	8,591.40	2,177.33	1,872.02	305.32	7.131		
13,200.00	7,283.00	10,738.15	6,897.47	208.61	107.38	82.89	-628.02	8,700.74	2,179.36	1,868.41	310.94	7.009		
13,300.00	7,283.00	10,834.38	6,898.79	211.22	109.93	82.94	-629.89	8,796.94	2,181.28	1,865.21	316.07	6.901		
13,400.00	7,283.00	10,923.16	6,900.19	213.84	112.29	82.98	-631.95	8,885.68	2,183.55	1,862.66	320.89	6.805		
13,500.00	7,283.00	11,032.35	6,902.47	216.47	115.19	83.05	-634.47	8,994.81	2,185.74	1,859.16	326.58	6.693		
13,600.00	7,283.00	11,110.00	6,904.59	219.09	117.25	83.11	-636.66	9,072.41	2,188.38	1,857.42	330.96	6.612		
13,700.00	7,283.00	11,191.93	6,905.91	221.72	119.43	83.15	-639.62	9,154.27	2,191.93	1,856.45	335.48	6.534 ES		
13,800.00	7,283.00	11,267.70	6,905.93	224.34	121.45	83.16	-642.91	9,229.97	2,196.41	1,856.73	339.68	6.466		
13,900.00	7,283.00	11,352.99	6,905.11	226.97	123.73	83.16	-647.40	9,315.14	2,201.91	1,857.62	344.29	6.396		
14,000.00	7,283.00	11,454.16	6,902.66	229.61	126.43	83.11	-652.81	9,416.13	2,207.67	1,858.08	349.59	6.315		
14,100.00	7,283.00	11,556.42	6,897.99	232.24	129.16	83.01	-657.81	9,518.16	2,213.24	1,858.33	354.91	6.236 SF		
14,200.00	7,283.00	11,559.00	6,897.87	234.88	129.23	83.01	-657.93	9,520.74	2,220.92	1,865.58	355.34	6.250		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 195-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,283.00	11,559.00	6,897.87	237.52	129.23	83.01	-657.93	9,520.74	2,233.06	1,878.09	354.97	6.291		
14,400.00	7,283.00	11,559.00	6,897.87	240.16	129.23	83.01	-657.93	9,520.74	2,249.58	1,895.65	353.93	6.356		
14,500.00	7,283.00	11,559.00	6,897.87	242.80	129.23	83.01	-657.93	9,520.74	2,270.39	1,918.12	352.28	6.445		
14,600.00	7,283.00	11,559.00	6,897.87	245.44	129.23	83.01	-657.93	9,520.74	2,295.37	1,945.34	350.04	6.558		
14,700.00	7,283.00	11,559.00	6,897.87	248.09	129.23	83.01	-657.93	9,520.74	2,324.39	1,977.13	347.26	6.693		
14,800.00	7,283.00	11,559.00	6,897.87	250.74	129.23	83.01	-657.93	9,520.74	2,357.30	2,013.28	344.02	6.852		
14,900.00	7,283.00	11,559.00	6,897.87	253.38	129.23	83.01	-657.93	9,520.74	2,393.93	2,053.58	340.35	7.034		
15,000.00	7,283.00	11,559.00	6,897.87	256.03	129.23	83.01	-657.93	9,520.74	2,434.13	2,097.80	336.33	7.237		
15,100.00	7,283.00	11,559.00	6,897.87	258.69	129.23	83.01	-657.93	9,520.74	2,477.71	2,145.70	332.01	7.463		
15,200.00	7,283.00	11,559.00	6,897.87	261.34	129.23	83.01	-657.93	9,520.74	2,524.50	2,197.07	327.44	7.710		
15,300.00	7,283.00	11,559.00	6,897.87	263.99	129.23	83.01	-657.93	9,520.74	2,574.33	2,251.66	322.67	7.978		
15,400.00	7,283.00	11,559.00	6,897.87	266.65	129.23	83.01	-657.93	9,520.74	2,627.02	2,309.25	317.76	8.267		
15,500.00	7,283.00	11,559.00	6,897.87	269.31	129.23	83.01	-657.93	9,520.74	2,682.40	2,369.65	312.76	8.577		
15,600.00	7,283.00	11,559.00	6,897.87	271.96	129.23	83.01	-657.93	9,520.74	2,740.32	2,432.63	307.68	8.906		
15,700.00	7,283.00	11,559.00	6,897.87	274.62	129.23	83.01	-657.93	9,520.74	2,800.61	2,498.02	302.59	9.256		
15,800.00	7,283.00	11,559.00	6,897.87	277.28	129.23	83.01	-657.93	9,520.74	2,863.12	2,565.63	297.49	9.624		
15,900.00	7,283.00	11,559.00	6,897.87	279.94	129.23	83.01	-657.93	9,520.74	2,927.72	2,635.30	292.42	10.012		
16,000.00	7,283.00	11,559.00	6,897.87	282.61	129.23	83.01	-657.93	9,520.74	2,994.26	2,706.86	287.40	10.418		
16,100.00	7,283.00	11,559.00	6,897.87	285.27	129.23	83.01	-657.93	9,520.74	3,062.62	2,780.17	282.45	10.843		
16,200.00	7,283.00	11,559.00	6,897.87	287.94	129.23	83.01	-657.93	9,520.74	3,132.69	2,855.11	277.58	11.286		
16,300.00	7,283.00	11,559.00	6,897.87	290.60	129.23	83.01	-657.93	9,520.74	3,204.34	2,931.53	272.80	11.746		
16,400.00	7,283.00	11,559.00	6,897.87	293.27	129.23	83.01	-657.93	9,520.74	3,277.47	3,009.35	268.13	12.223		
16,500.00	7,283.00	11,559.00	6,897.87	295.94	129.23	83.01	-657.93	9,520.74	3,352.00	3,088.43	263.57	12.718		
16,600.00	7,283.00	11,559.00	6,897.87	298.60	129.23	83.01	-657.93	9,520.74	3,427.82	3,168.70	259.12	13.229		
16,700.00	7,283.00	11,559.00	6,897.87	301.27	129.23	83.01	-657.93	9,520.74	3,504.86	3,250.07	254.79	13.756		
16,800.00	7,283.00	11,559.00	6,897.87	303.94	129.23	83.01	-657.93	9,520.74	3,583.03	3,332.45	250.58	14.299		
16,900.00	7,283.00	11,559.00	6,897.87	306.62	129.23	83.01	-657.93	9,520.74	3,662.26	3,415.77	246.49	14.858		
17,000.00	7,283.00	11,559.00	6,897.87	309.29	129.23	83.01	-657.93	9,520.74	3,742.49	3,499.96	242.52	15.431		
17,100.00	7,283.00	11,559.00	6,897.87	311.96	129.23	83.01	-657.93	9,520.74	3,823.65	3,584.97	238.68	16.020		
17,200.00	7,283.00	11,559.00	6,897.87	314.63	129.23	83.01	-657.93	9,520.74	3,905.68	3,670.73	234.95	16.623		
17,300.00	7,283.00	11,559.00	6,897.87	317.31	129.23	83.01	-657.93	9,520.74	3,988.53	3,757.19	231.34	17.241		
17,400.00	7,283.00	11,559.00	6,897.87	319.98	129.23	83.01	-657.93	9,520.74	4,072.16	3,844.31	227.85	17.872		
17,500.00	7,283.00	11,559.00	6,897.87	322.66	129.23	83.01	-657.93	9,520.74	4,156.50	3,932.03	224.47	18.517		
17,600.00	7,283.00	11,559.00	6,897.87	325.34	129.23	83.01	-657.93	9,520.74	4,241.53	4,020.33	221.20	19.175		
17,700.00	7,283.00	11,559.00	6,897.87	328.01	129.23	83.01	-657.93	9,520.74	4,327.20	4,109.16	218.04	19.846		
17,800.00	7,283.00	11,559.00	6,897.87	330.69	129.23	83.01	-657.93	9,520.74	4,413.47	4,198.49	214.98	20.530		
17,900.00	7,283.00	11,559.00	6,897.87	333.37	129.23	83.01	-657.93	9,520.74	4,500.31	4,288.29	212.02	21.226		
18,000.00	7,283.00	11,559.00	6,897.87	336.05	129.23	83.01	-657.93	9,520.74	4,587.68	4,378.53	209.15	21.934		
18,100.00	7,283.00	11,559.00	6,897.87	338.73	129.23	83.01	-657.93	9,520.74	4,675.56	4,469.17	206.39	22.654		
18,200.00	7,283.00	11,559.00	6,897.87	341.41	129.23	83.01	-657.93	9,520.74	4,763.92	4,560.21	203.71	23.386		
18,300.00	7,283.00	11,559.00	6,897.87	344.09	129.23	83.01	-657.93	9,520.74	4,852.73	4,651.61	201.12	24.128		
18,400.00	7,283.00	11,559.00	6,897.87	346.77	129.23	83.01	-657.93	9,520.74	4,941.97	4,743.35	198.62	24.882		
18,500.00	7,283.00	11,559.00	6,897.87	349.46	129.23	83.01	-657.93	9,520.74	5,031.61	4,835.42	196.20	25.646		
18,600.00	7,283.00	11,559.00	6,897.87	352.14	129.23	83.01	-657.93	9,520.74	5,121.64	4,927.79	193.85	26.420		
18,700.00	7,283.00	11,559.00	6,897.87	354.82	129.23	83.01	-657.93	9,520.74	5,212.03	5,020.44	191.58	27.205		
18,800.00	7,283.00	11,559.00	6,897.87	357.51	129.23	83.01	-657.93	9,520.74	5,302.76	5,113.37	189.39	27.999		
18,900.00	7,283.00	11,559.00	6,897.87	360.19	129.23	83.01	-657.93	9,520.74	5,393.83	5,206.56	187.26	28.803		
19,000.00	7,283.00	11,559.00	6,897.87	362.88	129.23	83.01	-657.93	9,520.74	5,485.20	5,299.99	185.21	29.616		
19,100.00	7,283.00	11,559.00	6,897.87	365.56	129.23	83.01	-657.93	9,520.74	5,576.87	5,393.65	183.22	30.439		
19,200.00	7,283.00	11,559.00	6,897.87	368.25	129.23	83.01	-657.93	9,520.74	5,668.82	5,487.53	181.29	31.270		
19,247.68	7,283.00	11,559.00	6,897.87	369.53	129.23	83.01	-657.93	9,520.74	5,712.76	5,532.37	180.39	31.669		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 164-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	0.00	0.00	0.27	0.00	91.81	-156.23	4,942.82	4,945.32	4,945.05	0.27	N/A		
139.88	139.88	23.92	23.92	0.41	0.04	91.81	-156.24	4,942.82	4,945.29	4,944.84	0.45	N/A		
200.00	200.00	84.17	84.16	0.63	0.13	91.81	-156.35	4,942.82	4,945.29	4,944.53	0.76	6,507.623		
300.00	299.98	188.91	188.91	0.98	0.35	22.23	-156.87	4,942.78	4,943.66	4,942.33	1.33	3,716.966		
400.00	399.84	327.04	327.00	1.34	0.85	22.33	-159.77	4,941.91	4,938.22	4,936.04	2.19	2,256.857		
500.00	499.45	617.00	615.16	1.71	1.98	22.87	-188.24	4,933.13	4,927.69	4,924.00	3.69	1,336.560		
600.00	598.70	675.21	672.48	2.10	2.23	23.14	-197.96	4,930.25	4,912.18	4,907.87	4.31	1,140.712		
700.00	697.47	750.00	746.26	2.51	2.56	23.48	-209.88	4,927.31	4,894.47	4,889.46	5.00	978.040		
800.00	795.62	818.63	814.01	2.95	2.86	23.84	-220.57	4,924.95	4,874.16	4,868.47	5.68	857.562		
900.00	893.06	915.54	909.63	3.43	3.29	24.33	-235.93	4,921.53	4,850.86	4,844.35	6.50	746.106		
1,000.00	989.64	1,024.42	1,017.04	3.95	3.78	24.91	-253.36	4,917.45	4,824.41	4,817.02	7.39	652.991		
1,100.00	1,085.27	1,119.67	1,110.96	4.52	4.21	25.52	-268.72	4,913.62	4,794.82	4,786.59	8.23	582.690		
1,200.00	1,179.82	1,188.00	1,178.36	5.14	4.52	26.07	-279.61	4,911.00	4,762.58	4,753.61	8.96	531.268		
1,300.00	1,273.17	1,274.11	1,263.35	5.81	4.91	26.75	-293.14	4,907.94	4,727.78	4,717.98	9.80	482.608		
1,400.00	1,365.21	1,352.12	1,340.37	6.54	5.26	27.46	-305.26	4,905.34	4,690.45	4,679.83	10.61	441.990		
1,500.00	1,455.84	1,428.87	1,416.16	7.33	5.61	28.22	-317.07	4,902.95	4,650.64	4,639.20	11.45	406.346		
1,600.00	1,544.94	1,659.37	1,643.86	8.19	6.64	29.85	-351.04	4,891.92	4,606.46	4,593.50	12.96	355.423		
1,700.00	1,632.39	1,724.89	1,708.48	9.12	6.93	30.76	-361.01	4,887.84	4,559.08	4,545.28	13.80	330.473		
1,800.00	1,718.11	1,789.88	1,772.66	10.11	7.23	31.73	-370.64	4,884.23	4,509.79	4,495.13	14.66	307.659		
1,900.00	1,801.97	1,869.11	1,850.93	11.18	7.58	32.89	-382.11	4,879.90	4,458.29	4,442.67	15.62	285.498		
1,969.27	1,858.92	1,922.54	1,903.66	11.96	7.82	33.74	-390.25	4,876.90	4,421.31	4,405.01	16.30	271.265		
2,000.00	1,883.98	1,943.00	1,923.82	12.31	7.92	33.89	-393.51	4,875.73	4,404.69	4,388.10	16.59	265.450		
2,100.00	1,965.50	2,000.03	1,980.04	13.48	8.18	34.31	-402.54	4,872.61	4,351.03	4,333.51	17.52	248.312		
2,200.00	2,047.03	2,065.12	2,044.30	14.65	8.47	34.79	-412.41	4,869.39	4,298.04	4,279.53	18.51	232.199		
2,300.00	2,128.56	2,144.24	2,122.48	15.84	8.83	35.38	-423.94	4,865.47	4,245.37	4,225.79	19.58	216.839		
2,400.00	2,210.09	2,201.97	2,179.52	17.03	9.08	35.82	-432.39	4,862.74	4,193.24	4,172.66	20.58	203.741		
2,500.00	2,291.61	2,259.93	2,236.78	18.23	9.34	36.27	-441.01	4,860.21	4,141.83	4,120.22	21.61	191.676		
2,600.00	2,373.14	2,329.00	2,305.07	19.44	9.65	36.80	-450.98	4,857.56	4,091.16	4,068.45	22.70	180.190		
2,700.00	2,454.67	2,398.82	2,374.09	20.64	9.96	37.36	-461.27	4,854.95	4,041.02	4,017.19	23.83	169.577		
2,800.00	2,536.20	2,467.72	2,442.09	21.86	10.27	37.92	-472.01	4,852.21	3,991.29	3,966.32	24.98	159.786		
2,900.00	2,617.72	2,530.36	2,503.94	23.07	10.55	38.44	-481.64	4,849.93	3,942.26	3,916.14	26.12	150.907		
3,000.00	2,699.25	2,591.87	2,564.77	24.29	10.83	38.95	-490.59	4,848.03	3,893.98	3,866.70	27.28	142.742		
3,100.00	2,780.78	2,642.20	2,614.59	25.50	11.05	39.37	-497.56	4,846.79	3,846.54	3,818.13	28.41	135.404		
3,200.00	2,862.31	2,703.00	2,674.74	26.73	11.31	39.88	-506.36	4,845.79	3,800.26	3,770.66	29.60	128.378		
3,300.00	2,943.83	2,757.75	2,728.84	27.95	11.55	40.36	-514.71	4,845.06	3,754.87	3,724.07	30.80	121.910		
3,400.00	3,025.36	2,869.01	2,838.59	29.17	12.06	41.36	-532.82	4,842.50	3,709.54	3,677.26	32.29	114.893		
3,500.00	3,106.89	2,996.17	2,964.04	30.40	12.64	42.55	-553.16	4,838.01	3,663.80	3,629.93	33.87	108.162		
3,600.00	3,188.42	3,092.98	3,059.54	31.62	13.08	43.47	-568.41	4,833.87	3,618.21	3,582.87	35.35	102.365		
3,700.00	3,269.94	3,180.43	3,145.89	32.85	13.48	44.31	-581.66	4,829.88	3,572.93	3,536.13	36.80	97.092		
3,800.00	3,351.47	3,264.24	3,228.77	34.07	13.85	45.13	-593.54	4,826.07	3,528.08	3,489.83	38.25	92.232		
3,900.00	3,433.00	3,342.94	3,306.59	35.30	14.19	45.91	-604.64	4,822.37	3,483.76	3,444.06	39.71	87.733		
4,000.00	3,514.53	3,459.06	3,421.66	36.53	14.69	47.06	-619.16	4,816.78	3,439.63	3,398.31	41.32	83.235		
4,100.00	3,596.05	3,520.67	3,482.81	37.76	14.95	47.67	-626.06	4,813.88	3,395.91	3,353.17	42.74	79.460		
4,200.00	3,677.58	3,575.17	3,536.82	38.99	15.18	48.23	-632.90	4,811.30	3,353.24	3,309.08	44.16	75.933		
4,300.00	3,759.11	3,638.00	3,598.84	40.22	15.46	48.91	-642.42	4,808.23	3,311.95	3,266.29	45.66	72.533		
4,400.00	3,840.64	3,673.95	3,634.23	41.45	15.63	49.31	-648.49	4,806.51	3,271.98	3,224.90	47.07	69.506		
4,500.00	3,922.16	3,732.00	3,691.32	42.68	15.91	49.97	-658.70	4,804.00	3,233.52	3,184.90	48.62	66.503		
4,600.00	4,003.69	3,838.15	3,795.69	43.91	16.41	51.20	-677.43	4,799.07	3,195.91	3,145.46	50.45	63.346		
4,700.00	4,085.22	3,906.65	3,863.14	45.15	16.73	52.00	-688.90	4,795.82	3,158.84	3,106.74	52.10	60.630		
4,800.00	4,166.75	3,970.62	3,926.24	46.38	17.02	52.74	-699.11	4,793.13	3,122.85	3,069.11	53.74	58.111		
4,900.00	4,248.27	4,034.53	3,989.33	47.61	17.31	53.49	-709.03	4,790.91	3,088.17	3,032.78	55.40	55.747		
5,000.00	4,329.80	4,103.27	4,057.10	48.84	17.63	54.31	-720.22	4,788.42	3,054.72	2,997.61	57.11	53.492		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 164-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,411.33	4,164.04	4,116.98	50.08	17.91	55.05	-730.39	4,786.30	3,022.58	2,963.79	58.79	51.411		
5,200.00	4,492.86	4,240.15	4,192.10	51.31	18.26	55.97	-742.53	4,784.38	2,991.86	2,931.29	60.58	49.390		
5,300.00	4,574.38	4,334.31	4,284.96	52.54	18.69	57.14	-757.74	4,781.20	2,961.79	2,899.31	62.48	47.401		
5,400.00	4,655.91	4,413.07	4,362.51	53.78	19.05	58.14	-771.11	4,777.88	2,932.74	2,868.40	64.34	45.582		
5,500.00	4,737.44	4,499.94	4,448.08	55.01	19.46	59.26	-785.57	4,774.05	2,904.66	2,838.40	66.26	43.838		
5,600.00	4,818.97	4,568.07	4,515.28	56.24	19.77	60.14	-796.46	4,771.33	2,877.80	2,809.72	68.08	42.274		
5,700.00	4,900.49	4,640.71	4,586.95	57.48	20.10	61.08	-807.96	4,768.66	2,852.34	2,782.42	69.93	40.790		
5,800.00	4,982.02	4,726.76	4,671.77	58.71	20.50	62.22	-822.02	4,765.10	2,828.17	2,756.30	71.87	39.349		
5,900.00	5,063.55	4,808.24	4,752.17	59.95	20.87	63.30	-834.76	4,761.61	2,804.91	2,731.11	73.80	38.006		
6,000.00	5,145.08	4,878.46	4,821.39	61.18	21.20	64.26	-846.16	4,758.43	2,783.20	2,707.53	75.67	36.780		
6,100.00	5,226.60	4,982.67	4,924.09	62.42	21.68	65.69	-862.87	4,752.72	2,762.24	2,684.48	77.76	35.522		
6,200.00	5,308.13	5,033.07	4,973.73	63.65	21.91	66.39	-871.09	4,749.93	2,742.96	2,663.44	79.52	34.494		
6,300.00	5,389.66	5,108.41	5,047.95	64.89	22.26	67.44	-883.52	4,746.30	2,725.67	2,644.24	81.42	33.476		
6,400.00	5,471.19	5,187.90	5,126.50	66.12	22.62	68.54	-895.37	4,743.27	2,709.53	2,626.20	83.33	32.516		
6,500.00	5,552.72	5,256.46	5,194.23	67.36	22.93	69.49	-905.72	4,740.81	2,695.11	2,609.96	85.16	31.649		
6,600.00	5,634.24	5,365.98	5,302.58	68.59	23.41	71.00	-921.12	4,736.84	2,681.53	2,594.31	87.22	30.745		
6,700.00	5,715.77	5,437.00	5,372.91	69.83	23.72	71.98	-930.78	4,734.51	2,669.42	2,580.39	89.03	29.984		
6,800.00	5,797.30	5,568.13	5,502.56	71.06	24.29	73.85	-948.96	4,727.35	2,658.00	2,566.80	91.20	29.144		
6,900.00	5,878.83	5,669.92	5,603.43	72.30	24.72	75.29	-961.27	4,721.60	2,647.04	2,553.88	93.16	28.413		
7,000.00	5,960.35	5,762.61	5,695.52	73.53	25.10	76.59	-970.90	4,717.15	2,636.96	2,541.94	95.03	27.749		
7,100.00	6,041.88	5,860.60	5,793.03	74.77	25.48	77.94	-979.84	4,713.45	2,628.08	2,531.20	96.88	27.128		
7,200.00	6,123.41	5,968.05	5,900.18	76.01	25.88	79.39	-987.21	4,710.77	2,619.67	2,520.95	98.72	26.538		
7,300.00	6,204.94	6,053.12	5,985.12	77.24	26.18	80.52	-991.92	4,709.50	2,612.21	2,511.79	100.42	26.014		
7,400.00	6,286.46	6,171.24	6,103.14	78.48	26.57	82.05	-996.37	4,709.21	2,605.34	2,503.14	102.20	25.494		
7,500.00	6,367.99	6,320.84	6,252.70	79.71	27.03	84.00	-998.60	4,707.06	2,597.34	2,493.33	104.01	24.972		
7,600.00	6,449.52	6,387.00	6,318.85	80.95	27.24	84.87	-999.44	4,706.03	2,590.90	2,485.34	105.57	24.543		
7,700.00	6,531.05	6,422.34	6,354.18	82.19	27.34	85.32	-999.90	4,706.42	2,586.69	2,479.72	106.98	24.180		
7,800.00	6,612.57	6,479.00	6,410.69	83.42	27.50	85.98	-1,000.20	4,710.44	2,585.13	2,476.73	108.40	23.848		
7,823.33	6,631.59	6,479.00	6,410.69	83.71	27.50	85.98	-1,000.20	4,710.44	2,585.02	2,476.34	108.68	23.786		
7,900.00	6,694.10	6,507.87	6,439.30	84.66	27.56	86.28	-1,000.09	4,714.25	2,585.83	2,476.18	109.65	23.583		
8,000.00	6,775.63	6,574.00	6,503.90	85.89	27.71	86.87	-998.93	4,728.20	2,589.11	2,478.13	110.98	23.329		
8,100.00	6,857.16	6,616.42	6,544.49	87.13	27.79	87.18	-997.51	4,740.39	2,594.10	2,481.93	112.16	23.128		
8,200.00	6,938.68	6,669.00	6,593.93	88.37	27.88	87.50	-994.98	4,758.10	2,600.57	2,487.22	113.35	22.944		
8,300.00	7,020.21	6,733.66	6,653.18	89.60	27.98	87.81	-991.34	4,783.73	2,608.61	2,494.06	114.55	22.772		
8,310.57	7,028.83	6,738.97	6,657.96	89.73	27.99	87.83	-991.04	4,786.01	2,609.58	2,494.91	114.67	22.757		
8,350.00	7,060.23	6,763.00	6,679.43	90.25	28.02	85.59	-989.68	4,796.71	2,612.80	2,497.64	115.16	22.688		
8,400.00	7,097.77	6,763.00	6,679.43	90.98	28.02	83.26	-989.68	4,796.71	2,615.71	2,500.04	115.67	22.614		
8,450.00	7,132.48	6,763.00	6,679.43	91.79	28.02	81.48	-989.68	4,796.71	2,617.59	2,501.36	116.23	22.521		
8,500.00	7,164.10	6,806.51	6,717.42	92.67	28.08	80.53	-987.56	4,817.80	2,617.33	2,500.17	117.16	22.340		
8,550.00	7,192.40	6,821.46	6,730.16	93.63	28.10	79.77	-986.99	4,825.60	2,616.25	2,498.30	117.95	22.180		
8,600.00	7,217.15	6,858.00	6,760.58	94.64	28.15	79.57	-985.92	4,845.81	2,614.20	2,495.22	118.98	21.972		
8,650.00	7,238.16	6,858.00	6,760.58	95.70	28.15	79.30	-985.92	4,845.81	2,610.42	2,490.65	119.76	21.796		
8,700.00	7,255.29	6,858.00	6,760.58	96.80	28.15	79.26	-985.92	4,845.81	2,605.70	2,485.13	120.57	21.611		
8,750.00	7,268.39	6,858.00	6,760.58	97.92	28.15	79.44	-985.92	4,845.81	2,600.08	2,478.68	121.40	21.418		
8,800.00	7,277.37	6,899.72	6,793.74	99.06	28.19	80.45	-984.98	4,871.10	2,592.84	2,470.18	122.66	21.139		
8,850.00	7,282.15	6,916.13	6,806.23	100.20	28.21	81.33	-984.62	4,881.73	2,584.87	2,461.19	123.68	20.899		
8,881.61	7,283.00	6,926.29	6,813.80	100.91	28.22	82.00	-984.39	4,888.50	2,579.34	2,455.01	124.33	20.746		
8,900.00	7,283.00	6,953.00	6,833.09	101.33	28.25	82.43	-983.81	4,906.97	2,576.25	2,451.33	124.92	20.623		
9,000.00	7,283.00	7,043.94	6,894.52	103.59	28.32	83.80	-978.86	4,973.79	2,558.46	2,430.83	127.63	20.046		
9,100.00	7,283.00	7,093.89	6,925.13	105.87	28.34	84.48	-975.06	5,013.03	2,542.14	2,412.18	129.95	19.562		
9,200.00	7,283.00	7,140.00	6,949.73	108.18	28.36	85.03	-972.41	5,051.92	2,529.14	2,396.92	132.22	19.128		
9,300.00	7,283.00	7,140.00	6,949.73	110.50	28.36	85.03	-972.41	5,051.92	2,518.83	2,384.97	133.85	18.818		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 164-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,400.00	7,283.00	7,190.44	6,973.05	112.84	28.38	85.56	-970.61	5,096.59	2,511.18	2,374.98	136.20	18.437		
9,500.00	7,283.00	7,235.00	6,990.87	115.19	28.41	85.97	-969.99	5,137.42	2,506.36	2,367.91	138.45	18.103		
9,600.00	7,283.00	7,273.90	7,004.74	117.56	28.44	86.28	-970.08	5,173.77	2,503.95	2,363.32	140.64	17.804		
9,660.60	7,283.00	7,304.01	7,014.76	119.01	28.48	86.51	-970.49	5,202.15	2,503.56	2,361.49	142.08	17.621		
9,700.00	7,283.00	7,330.00	7,022.91	119.95	28.53	86.70	-971.06	5,226.83	2,503.74	2,360.60	143.14	17.491		
9,800.00	7,283.00	7,568.93	7,050.03	122.34	30.55	87.32	-967.34	5,462.97	2,501.91	2,351.98	149.93	16.687		
9,900.00	7,283.00	7,637.97	7,050.15	124.76	31.53	87.32	-964.44	5,531.94	2,497.81	2,344.66	153.15	16.310		
10,000.00	7,283.00	7,725.67	7,051.30	127.18	32.91	87.34	-961.28	5,619.58	2,494.33	2,337.40	156.93	15.895		
10,100.00	7,283.00	7,792.00	7,052.67	129.61	34.03	87.37	-959.51	5,685.87	2,491.78	2,331.53	160.25	15.549		
10,200.00	7,283.00	7,882.00	7,053.33	132.06	35.65	87.38	-958.10	5,775.86	2,490.33	2,326.03	164.30	15.158		
10,300.00	7,283.00	7,984.28	7,051.95	134.52	37.61	87.35	-956.70	5,878.11	2,489.19	2,320.40	168.79	14.747		
10,400.00	7,283.00	8,083.98	7,049.57	136.98	39.61	87.29	-954.78	5,977.77	2,487.54	2,314.23	173.31	14.353		
10,500.00	7,283.00	8,156.03	7,048.74	139.46	41.10	87.27	-954.01	6,049.81	2,486.68	2,309.62	177.07	14.044		
10,600.00	7,283.00	8,275.25	7,047.68	141.94	43.66	87.25	-952.78	6,169.02	2,485.84	2,303.49	182.35	13.632		
10,700.00	7,283.00	8,378.07	7,048.87	144.44	45.93	87.27	-951.49	6,271.82	2,484.70	2,297.49	187.20	13.273		
10,800.00	7,283.00	8,459.52	7,049.26	146.94	47.76	87.28	-950.49	6,353.26	2,483.66	2,292.23	191.42	12.975		
10,833.95	7,283.00	8,481.67	7,049.30	147.79	48.27	87.28	-950.40	6,375.42	2,483.58	2,290.89	192.68	12.889		
10,900.00	7,283.00	8,532.18	7,049.33	149.45	49.43	87.28	-950.55	6,425.92	2,483.85	2,288.47	195.38	12.713		
11,000.00	7,283.00	8,630.30	7,049.31	151.96	51.72	87.28	-951.01	6,524.04	2,484.49	2,284.28	200.21	12.409		
11,100.00	7,283.00	8,727.36	7,049.29	154.49	54.01	87.29	-951.64	6,621.10	2,485.30	2,280.25	205.05	12.120		
11,200.00	7,283.00	8,828.13	7,049.23	157.01	56.43	87.28	-952.25	6,721.86	2,486.08	2,276.02	210.05	11.836		
11,300.00	7,283.00	8,950.06	7,049.41	159.55	59.39	87.29	-952.69	6,843.80	2,486.64	2,270.82	215.81	11.522		
11,400.00	7,283.00	9,068.70	7,049.63	162.09	62.30	87.29	-951.96	6,962.43	2,486.17	2,264.69	221.48	11.225		
11,500.00	7,283.00	9,167.62	7,049.93	164.64	64.75	87.30	-950.66	7,061.35	2,485.02	2,258.50	226.51	10.971		
11,551.67	7,283.00	9,199.46	7,050.06	165.96	65.54	87.30	-950.48	7,093.18	2,484.81	2,256.35	228.46	10.876		
11,600.00	7,283.00	9,230.00	7,050.21	167.19	66.30	87.31	-950.56	7,123.72	2,484.99	2,254.69	230.30	10.790		
11,700.00	7,283.00	9,364.26	7,050.98	169.75	69.67	87.32	-950.58	7,257.98	2,485.19	2,248.59	236.60	10.504		
11,795.00	7,283.00	9,442.81	7,051.38	172.18	71.65	87.33	-949.79	7,336.52	2,484.46	2,243.56	240.90	10.313		
11,800.00	7,283.00	9,445.32	7,051.38	172.31	71.72	87.33	-949.79	7,339.03	2,484.46	2,243.39	241.07	10.306		
11,900.00	7,283.00	9,499.00	7,051.33	174.88	73.08	87.33	-950.33	7,392.71	2,485.57	2,241.02	244.55	10.164		
12,000.00	7,283.00	9,640.84	7,052.05	177.45	76.69	87.35	-951.46	7,534.54	2,486.43	2,235.21	251.22	9.897		
12,100.00	7,283.00	9,748.63	7,052.61	180.03	79.46	87.36	-951.47	7,642.33	2,486.59	2,229.92	256.67	9.688		
12,200.00	7,283.00	9,859.00	7,052.76	182.61	82.29	87.37	-950.42	7,752.69	2,485.74	2,223.52	262.22	9.480		
12,300.00	7,283.00	9,949.00	7,053.09	185.19	84.61	87.37	-949.91	7,842.69	2,485.33	2,218.27	267.07	9.306		
12,304.45	7,283.00	9,949.00	7,053.09	185.31	84.61	87.37	-949.91	7,842.69	2,485.33	2,218.19	267.14	9.304		
12,400.00	7,283.00	10,045.39	7,053.38	187.78	87.11	87.38	-950.28	7,939.08	2,485.85	2,213.70	272.15	9.134		
12,500.00	7,283.00	10,167.49	7,053.71	190.37	90.28	87.39	-949.64	8,061.17	2,485.47	2,207.33	278.14	8.936		
12,600.00	7,283.00	10,297.76	7,053.78	192.97	93.66	87.39	-947.71	8,191.42	2,484.18	2,199.79	284.40	8.735		
12,700.00	7,283.00	10,370.37	7,053.87	195.57	95.55	87.39	-946.44	8,264.02	2,482.63	2,193.92	288.70	8.599		
12,800.00	7,283.00	10,450.33	7,053.71	198.17	97.64	87.38	-946.00	8,343.98	2,482.23	2,188.99	293.24	8.465		
12,821.96	7,283.00	10,469.83	7,053.52	198.74	98.15	87.38	-945.95	8,363.48	2,482.22	2,187.91	294.31	8.434 CC		
12,900.00	7,283.00	10,529.92	7,052.72	200.77	99.73	87.36	-945.99	8,423.57	2,482.46	2,184.71	297.75	8.337		
13,000.00	7,283.00	10,577.00	7,052.31	203.38	100.97	87.35	-946.40	8,470.64	2,483.92	2,182.90	301.01	8.252		
13,100.00	7,283.00	10,667.00	7,051.65	205.99	103.34	87.34	-948.80	8,560.60	2,486.80	2,180.92	305.88	8.130		
13,200.00	7,283.00	10,730.60	7,051.83	208.61	105.02	87.35	-951.58	8,624.15	2,491.11	2,181.43	309.69	8.044		
13,300.00	7,283.00	10,861.09	7,054.21	211.22	108.47	87.41	-956.88	8,754.50	2,495.27	2,179.04	316.22	7.891		
13,400.00	7,283.00	10,937.00	7,055.37	213.84	110.48	87.44	-959.94	8,830.34	2,499.35	2,178.81	320.54	7.797		
13,500.00	7,283.00	11,167.07	7,057.43	216.47	116.57	87.49	-962.47	9,060.35	2,499.77	2,168.99	330.78	7.557		
13,600.00	7,283.00	11,267.65	7,058.42	219.09	119.23	87.51	-961.38	9,160.92	2,498.80	2,162.71	336.10	7.435		
13,700.00	7,283.00	11,366.25	7,057.64	221.72	121.84	87.49	-960.52	9,259.52	2,498.13	2,156.80	341.34	7.319		
13,800.00	7,283.00	11,503.94	7,056.25	224.34	125.49	87.46	-958.13	9,397.17	2,496.59	2,148.68	347.90	7.176		
13,900.00	7,283.00	11,605.65	7,055.29	226.97	128.18	87.43	-955.60	9,498.85	2,494.31	2,141.06	353.25	7.061		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 164-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,980.66	7,283.00	11,629.00	7,055.03	229.10	128.80	87.43	-955.01	9,522.19	2,493.11	2,137.54	355.57	7.012		
14,000.00	7,283.00	11,629.00	7,055.03	229.61	128.80	87.43	-955.01	9,522.19	2,493.19	2,137.29	355.90	7.005 ES		
14,100.00	7,283.00	11,629.00	7,055.03	232.24	128.80	87.43	-955.01	9,522.19	2,495.97	2,138.73	357.24	6.987 SF		
14,200.00	7,283.00	11,629.00	7,055.03	234.88	128.80	87.43	-955.01	9,522.19	2,502.74	2,144.71	358.04	6.990		
14,300.00	7,283.00	11,629.00	7,055.03	237.52	128.80	87.43	-955.01	9,522.19	2,513.48	2,155.20	358.29	7.015		
14,400.00	7,283.00	11,629.00	7,055.03	240.16	128.80	87.43	-955.01	9,522.19	2,528.13	2,170.14	358.00	7.062		
14,500.00	7,283.00	11,629.00	7,055.03	242.80	128.80	87.43	-955.01	9,522.19	2,546.63	2,189.43	357.20	7.129		
14,600.00	7,283.00	11,629.00	7,055.03	245.44	128.80	87.43	-955.01	9,522.19	2,568.89	2,212.98	355.91	7.218		
14,700.00	7,283.00	11,629.00	7,055.03	248.09	128.80	87.43	-955.01	9,522.19	2,594.82	2,240.66	354.16	7.327		
14,800.00	7,283.00	11,629.00	7,055.03	250.74	128.80	87.43	-955.01	9,522.19	2,624.30	2,272.31	351.99	7.456		
14,900.00	7,283.00	11,629.00	7,055.03	253.38	128.80	87.43	-955.01	9,522.19	2,657.22	2,307.78	349.44	7.604		
15,000.00	7,283.00	11,629.00	7,055.03	256.03	128.80	87.43	-955.01	9,522.19	2,693.45	2,346.91	346.54	7.772		
15,100.00	7,283.00	11,629.00	7,055.03	258.69	128.80	87.43	-955.01	9,522.19	2,732.86	2,389.53	343.34	7.960		
15,200.00	7,283.00	11,629.00	7,055.03	261.34	128.80	87.43	-955.01	9,522.19	2,775.32	2,435.45	339.87	8.166		
15,300.00	7,283.00	11,629.00	7,055.03	263.99	128.80	87.43	-955.01	9,522.19	2,820.69	2,484.51	336.18	8.390		
15,400.00	7,283.00	11,629.00	7,055.03	266.65	128.80	87.43	-955.01	9,522.19	2,868.82	2,536.52	332.31	8.633		
15,500.00	7,283.00	11,629.00	7,055.03	269.31	128.80	87.43	-955.01	9,522.19	2,919.59	2,591.31	328.28	8.894		
15,600.00	7,283.00	11,629.00	7,055.03	271.96	128.80	87.43	-955.01	9,522.19	2,972.86	2,648.72	324.14	9.172		
15,700.00	7,283.00	11,629.00	7,055.03	274.62	128.80	87.43	-955.01	9,522.19	3,028.49	2,708.58	319.91	9.467		
15,800.00	7,283.00	11,629.00	7,055.03	277.28	128.80	87.43	-955.01	9,522.19	3,086.36	2,770.75	315.62	9.779		
15,900.00	7,283.00	11,629.00	7,055.03	279.94	128.80	87.43	-955.01	9,522.19	3,146.35	2,835.06	311.29	10.107		
16,000.00	7,283.00	11,629.00	7,055.03	282.61	128.80	87.43	-955.01	9,522.19	3,208.33	2,901.38	306.95	10.452		
16,100.00	7,283.00	11,629.00	7,055.03	285.27	128.80	87.43	-955.01	9,522.19	3,272.19	2,969.58	302.61	10.813		
16,200.00	7,283.00	11,629.00	7,055.03	287.94	128.80	87.43	-955.01	9,522.19	3,337.83	3,039.53	298.30	11.189		
16,300.00	7,283.00	11,629.00	7,055.03	290.60	128.80	87.43	-955.01	9,522.19	3,405.14	3,111.12	294.02	11.581		
16,400.00	7,283.00	11,629.00	7,055.03	293.27	128.80	87.43	-955.01	9,522.19	3,474.02	3,184.23	289.79	11.988		
16,500.00	7,283.00	11,629.00	7,055.03	295.94	128.80	87.43	-955.01	9,522.19	3,544.39	3,258.77	285.62	12.409		
16,600.00	7,283.00	11,629.00	7,055.03	298.60	128.80	87.43	-955.01	9,522.19	3,616.16	3,334.64	281.52	12.845		
16,700.00	7,283.00	11,629.00	7,055.03	301.27	128.80	87.43	-955.01	9,522.19	3,689.23	3,411.75	277.49	13.295		
16,800.00	7,283.00	11,629.00	7,055.03	303.94	128.80	87.43	-955.01	9,522.19	3,763.55	3,490.02	273.54	13.759		
16,900.00	7,283.00	11,629.00	7,055.03	306.62	128.80	87.43	-955.01	9,522.19	3,839.03	3,569.37	269.67	14.236		
17,000.00	7,283.00	11,629.00	7,055.03	309.29	128.80	87.43	-955.01	9,522.19	3,915.62	3,649.73	265.88	14.727		
17,100.00	7,283.00	11,629.00	7,055.03	311.96	128.80	87.43	-955.01	9,522.19	3,993.23	3,731.05	262.19	15.230		
17,200.00	7,283.00	11,629.00	7,055.03	314.63	128.80	87.43	-955.01	9,522.19	4,071.83	3,813.25	258.58	15.747		
17,300.00	7,283.00	11,629.00	7,055.03	317.31	128.80	87.43	-955.01	9,522.19	4,151.34	3,896.27	255.07	16.275		
17,400.00	7,283.00	11,629.00	7,055.03	319.98	128.80	87.43	-955.01	9,522.19	4,231.73	3,980.08	251.65	16.816		
17,500.00	7,283.00	11,629.00	7,055.03	322.66	128.80	87.43	-955.01	9,522.19	4,312.93	4,064.62	248.31	17.369		
17,600.00	7,283.00	11,629.00	7,055.03	325.34	128.80	87.43	-955.01	9,522.19	4,394.91	4,149.84	245.07	17.933		
17,700.00	7,283.00	11,629.00	7,055.03	328.01	128.80	87.43	-955.01	9,522.19	4,477.63	4,235.71	241.92	18.509		
17,800.00	7,283.00	11,629.00	7,055.03	330.69	128.80	87.43	-955.01	9,522.19	4,561.03	4,322.18	238.85	19.096		
17,900.00	7,283.00	11,629.00	7,055.03	333.37	128.80	87.43	-955.01	9,522.19	4,645.09	4,409.22	235.87	19.694		
18,000.00	7,283.00	11,629.00	7,055.03	336.05	128.80	87.43	-955.01	9,522.19	4,729.77	4,496.80	232.97	20.302		
18,100.00	7,283.00	11,629.00	7,055.03	338.73	128.80	87.43	-955.01	9,522.19	4,815.04	4,584.88	230.16	20.921		
18,200.00	7,283.00	11,629.00	7,055.03	341.41	128.80	87.43	-955.01	9,522.19	4,900.87	4,673.44	227.42	21.550		
18,300.00	7,283.00	11,629.00	7,055.03	344.09	128.80	87.43	-955.01	9,522.19	4,987.22	4,762.45	224.77	22.188		
18,400.00	7,283.00	11,629.00	7,055.03	346.77	128.80	87.43	-955.01	9,522.19	5,074.07	4,851.89	222.19	22.837		
18,500.00	7,283.00	11,629.00	7,055.03	349.46	128.80	87.43	-955.01	9,522.19	5,161.40	4,941.72	219.68	23.495		
18,600.00	7,283.00	11,629.00	7,055.03	352.14	128.80	87.43	-955.01	9,522.19	5,249.19	5,031.94	217.25	24.162		
18,700.00	7,283.00	11,629.00	7,055.03	354.82	128.80	87.43	-955.01	9,522.19	5,337.40	5,122.51	214.89	24.838		
18,800.00	7,283.00	11,629.00	7,055.03	357.51	128.80	87.43	-955.01	9,522.19	5,426.02	5,213.43	212.59	25.523		
18,900.00	7,283.00	11,629.00	7,055.03	360.19	128.80	87.43	-955.01	9,522.19	5,515.03	5,304.66	210.37	26.216		
19,000.00	7,283.00	11,629.00	7,055.03	362.88	128.80	87.43	-955.01	9,522.19	5,604.41	5,396.21	208.20	26.918		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 2-T4N-R68W - SRC VISTA D-2N-C - Wellbore #1 - Wellbore #1												Offset Site Error:	0.00 usft
Survey Program: 164-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
19,100.00	7,283.00	11,629.00	7,055.03	365.56	128.80	87.43	-955.01	9,522.19	5,694.15	5,488.05	206.10	27.628	
19,200.00	7,283.00	11,629.00	7,055.03	368.25	128.80	87.43	-955.01	9,522.19	5,784.22	5,580.16	204.06	28.346	
19,247.68	7,283.00	11,629.00	7,055.03	369.53	128.80	87.43	-955.01	9,522.19	5,827.27	5,624.17	203.10	28.691	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 352-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	0.00	0.00	0.27	0.00	90.42	-35.93	4,942.24	4,942.40	4,942.13	0.27	N/A		
200.00	200.00	111.97	111.97	0.63	0.19	90.41	-35.57	4,941.93	4,942.13	4,941.32	0.82	6,045.041		
300.00	299.98	245.20	245.19	0.98	0.42	20.81	-34.20	4,940.73	4,939.60	4,938.20	1.40	3,529.825		
400.00	399.84	594.21	593.64	1.34	1.50	20.80	-20.84	4,929.22	4,932.47	4,929.64	2.84	1,737.355		
500.00	499.45	739.03	737.57	1.71	2.06	20.81	-8.33	4,919.39	4,917.46	4,913.71	3.75	1,310.764		
600.00	598.70	920.75	917.76	2.10	2.80	20.82	10.67	4,905.47	4,898.69	4,893.86	4.83	1,014.154		
700.00	697.47	1,003.47	999.63	2.51	3.15	20.93	20.02	4,898.32	4,875.50	4,869.97	5.53	882.045		
800.00	795.62	1,118.08	1,112.89	2.95	3.64	21.05	34.40	4,888.30	4,849.03	4,842.66	6.37	761.695		
900.00	893.06	1,199.00	1,192.75	3.43	3.99	21.21	45.48	4,881.27	4,819.49	4,812.41	7.08	680.744		
1,000.00	989.64	1,387.00	1,377.71	3.95	4.84	21.34	73.49	4,862.70	4,785.43	4,777.17	8.26	579.322		
1,100.00	1,085.27	1,451.76	1,441.26	4.52	5.14	21.59	83.86	4,855.77	4,747.99	4,739.05	8.94	531.297		
1,200.00	1,179.82	1,508.64	1,497.14	5.14	5.40	21.87	93.00	4,850.42	4,708.57	4,698.98	9.59	490.924		
1,300.00	1,273.17	1,589.61	1,576.61	5.81	5.77	22.18	106.66	4,843.05	4,666.53	4,656.17	10.36	450.408		
1,400.00	1,365.21	1,663.60	1,649.42	6.54	6.11	22.56	118.06	4,836.52	4,621.83	4,610.72	11.11	416.064		
1,500.00	1,455.84	1,734.62	1,719.52	7.33	6.43	23.00	127.74	4,830.49	4,574.58	4,562.73	11.85	386.094		
1,600.00	1,544.94	1,804.38	1,788.44	8.19	6.73	23.50	136.91	4,824.83	4,524.85	4,512.26	12.59	359.298		
1,700.00	1,632.39	1,878.48	1,861.76	9.12	7.05	24.08	145.95	4,819.07	4,472.68	4,459.32	13.37	334.611		
1,800.00	1,718.11	1,967.71	1,950.17	10.11	7.43	24.77	155.81	4,812.09	4,417.79	4,403.59	14.20	311.020		
1,900.00	1,801.97	2,032.61	2,014.56	11.18	7.69	25.50	162.20	4,807.12	4,360.44	4,345.47	14.97	291.376		
1,969.27	1,858.92	2,069.01	2,050.71	11.96	7.84	26.04	165.52	4,804.45	4,319.44	4,303.96	15.47	279.135		
2,000.00	1,883.98	2,083.26	2,064.87	12.31	7.90	26.08	166.81	4,803.46	4,301.07	4,285.37	15.70	274.018		
2,100.00	1,965.50	2,141.00	2,122.26	13.48	8.13	26.24	172.01	4,799.80	4,241.75	4,225.29	16.46	257.743		
2,200.00	2,047.03	2,186.06	2,167.06	14.65	8.31	26.37	176.11	4,797.23	4,182.98	4,165.78	17.19	243.278		
2,300.00	2,128.56	2,253.85	2,234.46	15.84	8.58	26.56	182.43	4,793.67	4,124.66	4,106.64	18.02	228.899		
2,400.00	2,210.09	2,358.97	2,338.96	17.03	8.99	26.87	192.21	4,787.86	4,066.17	4,047.20	18.97	214.320		
2,500.00	2,291.61	2,450.66	2,430.10	18.23	9.36	27.15	200.60	4,782.35	4,007.36	3,987.46	19.89	201.467		
2,600.00	2,373.14	2,518.00	2,497.06	19.44	9.63	27.37	206.43	4,778.21	3,948.52	3,927.77	20.75	190.311		
2,700.00	2,454.67	2,563.61	2,542.45	20.64	9.80	27.53	210.11	4,775.67	3,890.24	3,868.69	21.55	180.492		
2,800.00	2,536.20	2,614.00	2,592.65	21.86	10.00	27.71	213.86	4,773.49	3,832.91	3,810.52	22.39	171.206		
2,900.00	2,617.72	2,668.45	2,646.93	23.07	10.20	27.91	217.70	4,771.52	3,776.24	3,753.00	23.24	162.459		
3,000.00	2,699.25	2,748.35	2,726.59	24.29	10.50	28.22	223.24	4,768.72	3,719.82	3,695.64	24.18	153.850		
3,100.00	2,780.78	2,826.91	2,804.93	25.50	10.79	28.53	228.32	4,765.90	3,663.43	3,638.31	25.12	145.843		
3,200.00	2,862.31	2,899.00	2,876.86	26.73	11.05	28.84	232.55	4,763.52	3,607.37	3,581.32	26.06	138.448		
3,300.00	2,943.83	3,022.64	3,000.16	27.95	11.51	29.37	240.28	4,758.67	3,550.88	3,523.76	27.12	130.937		
3,400.00	3,025.36	3,109.62	3,086.89	29.17	11.83	29.77	245.61	4,754.71	3,494.02	3,465.90	28.11	124.291		
3,500.00	3,106.89	3,199.66	3,176.64	30.40	12.17	30.19	251.35	4,750.31	3,436.96	3,407.84	29.12	118.024		
3,600.00	3,188.42	3,272.00	3,248.72	31.62	12.45	30.53	256.37	4,746.85	3,380.07	3,349.96	30.11	112.261		
3,700.00	3,269.94	3,348.23	3,324.68	32.85	12.73	30.90	261.58	4,743.33	3,323.42	3,292.30	31.12	106.799		
3,800.00	3,351.47	3,397.17	3,373.48	34.07	12.92	31.15	264.75	4,741.22	3,267.21	3,235.11	32.10	101.794		
3,900.00	3,433.00	3,437.05	3,413.25	35.30	13.07	31.35	267.52	4,740.03	3,212.10	3,179.03	33.08	97.115		
4,000.00	3,514.53	3,502.91	3,478.91	36.53	13.31	31.67	272.48	4,738.90	3,158.04	3,123.92	34.12	92.568		
4,100.00	3,596.05	3,610.19	3,585.81	37.76	13.71	32.21	281.12	4,736.61	3,103.77	3,068.54	35.24	88.081		
4,200.00	3,677.58	3,707.19	3,682.47	38.99	14.08	32.73	288.68	4,733.81	3,049.03	3,012.68	36.36	83.866		
4,300.00	3,759.11	3,789.86	3,764.87	40.22	14.39	33.19	294.87	4,731.17	2,994.21	2,956.74	37.47	79.910		
4,400.00	3,840.64	3,873.65	3,848.40	41.45	14.70	33.69	300.96	4,728.49	2,939.57	2,900.97	38.60	76.155		
4,500.00	3,922.16	3,959.50	3,934.07	42.68	15.02	34.25	305.30	4,725.26	2,884.86	2,845.10	39.76	72.561		
4,600.00	4,003.69	4,025.00	3,999.48	43.91	15.25	34.72	307.83	4,722.75	2,830.46	2,789.54	40.92	69.175		
4,700.00	4,085.22	4,096.10	4,070.49	45.15	15.50	35.24	310.35	4,720.29	2,776.61	2,734.51	42.11	65.940		
4,800.00	4,166.75	4,171.55	4,145.86	46.38	15.77	35.81	313.01	4,718.05	2,723.38	2,680.05	43.33	62.854		
4,900.00	4,248.27	4,252.25	4,226.47	47.61	16.05	36.45	315.86	4,715.65	2,670.41	2,625.83	44.58	59.901		
5,000.00	4,329.80	4,328.10	4,302.25	48.84	16.32	37.07	318.32	4,713.39	2,617.74	2,571.88	45.86	57.084		
5,100.00	4,411.33	4,401.00	4,375.10	50.08	16.57	37.70	320.10	4,711.43	2,565.70	2,518.53	47.17	54.397		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 2-T4N-R68W - SRC VISTA S-2N-C - Wellbore #1 - Wellbore #1		Offset Site Error: 0.00 usft	
Survey Program: 352-MWD															Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
5,200.00	4,492.86	4,490.86	4,464.91	51.31	16.88	38.52	321.88	4,708.88	2,513.97	2,465.45	48.52	51.812				
5,300.00	4,574.38	4,564.93	4,538.93	52.54	17.14	39.21	323.51	4,706.65	2,462.41	2,412.51	49.90	49.348				
5,400.00	4,655.91	4,621.51	4,595.47	53.78	17.33	39.75	324.92	4,705.25	2,411.63	2,360.33	51.30	47.012				
5,500.00	4,737.44	4,686.00	4,659.95	55.01	17.55	40.39	326.11	4,704.64	2,362.41	2,309.68	52.74	44.794				
5,600.00	4,818.97	4,736.71	4,710.65	56.24	17.72	40.91	326.75	4,704.61	2,314.36	2,260.15	54.21	42.695				
5,700.00	4,900.49	4,817.72	4,791.66	57.48	17.99	41.77	327.52	4,704.57	2,267.01	2,211.27	55.75	40.667				
5,800.00	4,982.02	4,898.92	4,872.86	58.71	18.26	42.67	328.27	4,704.49	2,220.13	2,162.80	57.33	38.728				
5,900.00	5,063.55	4,976.00	4,949.93	59.95	18.51	43.55	328.86	4,704.52	2,173.91	2,114.96	58.95	36.878				
6,000.00	5,145.08	5,060.45	5,034.38	61.18	18.79	44.55	329.42	4,704.54	2,128.26	2,067.64	60.62	35.106				
6,100.00	5,226.60	5,156.90	5,130.82	62.42	19.11	45.75	330.09	4,704.15	2,082.87	2,020.51	62.36	33.400				
6,200.00	5,308.13	5,236.88	5,210.81	63.65	19.38	46.78	330.47	4,703.49	2,037.87	1,973.74	64.14	31.773				
6,300.00	5,389.66	5,323.59	5,297.51	64.89	19.66	47.96	330.62	4,702.58	1,993.49	1,927.52	65.97	30.216				
6,400.00	5,471.19	5,414.11	5,388.02	66.12	19.96	49.24	330.98	4,701.34	1,949.55	1,881.68	67.87	28.726				
6,500.00	5,552.72	5,488.91	5,462.81	67.36	20.22	50.32	331.65	4,700.30	1,906.24	1,836.44	69.80	27.310				
6,600.00	5,634.24	5,561.82	5,535.71	68.59	20.46	51.41	332.26	4,699.69	1,864.19	1,792.41	71.79	25.969				
6,700.00	5,715.77	5,638.85	5,612.74	69.83	20.72	52.60	332.87	4,699.27	1,823.28	1,749.45	73.83	24.697				
6,800.00	5,797.30	5,718.00	5,691.89	71.06	20.99	53.87	333.05	4,698.86	1,783.54	1,707.61	75.93	23.489				
6,900.00	5,878.83	5,801.21	5,775.09	72.30	21.26	55.26	333.04	4,698.33	1,744.86	1,666.77	78.09	22.343				
7,000.00	5,960.35	5,872.79	5,846.68	73.53	21.49	56.49	333.05	4,697.94	1,707.36	1,627.06	80.29	21.265				
7,100.00	6,041.88	5,939.83	5,913.72	74.77	21.70	57.69	332.75	4,697.95	1,671.63	1,589.11	82.52	20.256				
7,200.00	6,123.41	6,005.69	5,979.56	76.01	21.90	58.89	331.99	4,698.44	1,637.99	1,553.20	84.79	19.318				
7,300.00	6,204.94	6,096.63	6,070.50	77.24	22.17	60.60	330.98	4,699.33	1,605.85	1,518.70	87.15	18.427				
7,400.00	6,286.46	6,182.10	6,155.96	78.48	22.44	62.25	330.27	4,699.88	1,574.80	1,485.27	89.53	17.590				
7,500.00	6,367.99	6,278.25	6,252.11	79.71	22.74	64.20	329.18	4,699.66	1,544.89	1,452.91	91.99	16.795				
7,600.00	6,449.52	6,354.81	6,328.65	80.95	22.98	65.80	328.36	4,699.02	1,516.24	1,421.80	94.43	16.056				
7,700.00	6,531.05	6,388.00	6,361.85	82.19	23.08	66.50	328.16	4,699.04	1,490.35	1,393.62	96.73	15.407				
7,800.00	6,612.57	6,422.45	6,396.26	83.42	23.18	67.21	327.67	4,700.36	1,468.92	1,370.01	98.90	14.852				
7,900.00	6,694.10	6,446.08	6,419.76	84.66	23.25	67.68	326.97	4,702.64	1,452.90	1,352.06	100.84	14.408				
8,000.00	6,775.63	6,482.00	6,455.20	85.89	23.35	68.35	325.31	4,708.24	1,442.35	1,339.69	102.66	14.050				
8,100.00	6,857.16	6,524.61	6,496.83	87.13	23.46	69.08	323.40	4,717.12	1,436.35	1,331.98	104.36	13.763				
8,200.00	6,938.68	6,577.00	6,547.60	88.37	23.59	69.90	322.37	4,729.99	1,433.11	1,327.10	106.01	13.519				
8,245.51	6,975.79	6,612.42	6,581.54	88.93	23.68	70.40	322.13	4,740.11	1,432.52	1,325.66	106.86	13.406				
8,300.00	7,020.21	6,636.99	6,604.82	89.60	23.74	70.73	321.91	4,747.94	1,433.11	1,325.51	107.61	13.318				
8,310.57	7,028.83	6,641.80	6,609.35	89.73	23.75	70.79	321.86	4,749.56	1,433.37	1,325.62	107.75	13.303				
8,350.00	7,060.23	6,672.00	6,637.59	90.25	23.82	69.10	321.52	4,760.25	1,433.88	1,325.41	108.47	13.220				
8,400.00	7,097.77	6,672.00	6,637.59	90.98	23.82	67.13	321.52	4,760.25	1,432.57	1,323.66	108.91	13.154				
8,450.00	7,132.48	6,672.00	6,637.59	91.79	23.82	65.71	321.52	4,760.25	1,430.03	1,320.65	109.38	13.074				
8,500.00	7,164.10	6,717.70	6,679.35	92.67	23.92	65.62	320.92	4,778.79	1,424.50	1,313.79	110.71	12.867				
8,550.00	7,192.40	6,736.02	6,695.67	93.63	23.96	65.47	320.65	4,787.11	1,417.88	1,306.22	111.66	12.698				
8,600.00	7,217.15	6,765.00	6,720.94	94.64	24.02	65.95	320.19	4,801.27	1,409.70	1,296.83	112.88	12.489				
8,650.00	7,238.16	6,780.95	6,734.61	95.70	24.05	66.50	320.00	4,809.49	1,399.71	1,285.77	113.94	12.284				
8,700.00	7,255.29	6,821.47	6,768.83	96.80	24.13	68.00	320.08	4,831.18	1,387.83	1,272.28	115.55	12.010				
8,750.00	7,268.39	6,861.56	6,801.95	97.92	24.21	69.90	321.00	4,853.75	1,373.99	1,256.77	117.23	11.721				
8,800.00	7,277.37	6,860.00	6,800.67	99.06	24.21	70.94	320.94	4,852.86	1,358.95	1,240.78	118.17	11.500				
8,850.00	7,282.15	6,888.28	6,823.44	100.20	24.26	73.15	321.65	4,869.60	1,342.58	1,222.82	119.76	11.211				
8,881.61	7,283.00	6,896.47	6,829.91	100.91	24.28	74.39	321.79	4,874.63	1,331.96	1,211.37	120.58	11.046				
8,900.00	7,283.00	6,901.19	6,833.61	101.33	24.29	74.55	321.85	4,877.56	1,325.79	1,204.72	121.06	10.951				
9,000.00	7,283.00	6,953.00	6,872.85	103.59	24.39	76.29	321.77	4,911.38	1,296.06	1,171.92	124.15	10.440				
9,100.00	7,283.00	6,964.49	6,881.20	105.87	24.41	76.67	321.64	4,919.27	1,270.93	1,144.78	126.14	10.075				
9,200.00	7,283.00	7,040.99	6,933.48	108.18	24.62	79.04	322.28	4,975.05	1,250.59	1,121.06	129.54	9.654				
9,300.00	7,283.00	7,083.23	6,959.39	110.50	24.81	80.22	323.27	5,008.38	1,234.23	1,102.33	131.90	9.357				
9,400.00	7,283.00	7,143.00	6,990.82	112.84	25.16	81.68	323.57	5,059.18	1,223.33	1,088.81	134.52	9.094				

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 352-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,500.00	7,283.00	7,191.15	7,012.43	115.19	25.53	82.69	323.28	5,102.20	1,216.50	1,079.82	136.68	8.901		
9,600.00	7,283.00	7,279.73	7,045.68	117.56	26.32	84.25	323.01	5,184.23	1,212.33	1,072.29	140.04	8.657		
9,700.00	7,283.00	7,363.53	7,065.80	119.95	27.21	85.20	324.07	5,265.50	1,209.01	1,065.77	143.24	8.440		
9,800.00	7,283.00	7,439.58	7,073.29	122.34	28.12	85.55	324.10	5,341.12	1,208.22	1,062.08	146.14	8.267		
9,900.00	7,283.00	7,578.38	7,075.33	124.76	30.06	85.64	326.76	5,479.86	1,206.31	1,054.87	151.44	7.966		
10,000.00	7,283.00	7,676.25	7,076.15	127.18	31.61	85.67	330.40	5,577.66	1,202.72	1,047.28	155.44	7.738		
10,100.00	7,283.00	7,752.59	7,077.70	129.61	32.93	85.73	332.22	5,653.96	1,200.39	1,041.66	158.73	7.562		
10,155.97	7,283.00	7,794.00	7,078.29	130.98	33.66	85.76	332.47	5,695.36	1,200.08	1,039.56	160.51	7.476 CC		
10,200.00	7,283.00	7,834.76	7,078.60	132.06	34.42	85.78	332.43	5,736.13	1,200.16	1,037.86	162.30	7.395		
10,300.00	7,283.00	7,931.50	7,078.39	134.52	36.28	85.77	332.19	5,832.86	1,200.59	1,034.01	166.58	7.207		
10,400.00	7,283.00	8,033.99	7,079.09	136.98	38.34	85.80	331.76	5,935.35	1,201.13	1,029.90	171.23	7.015		
10,500.00	7,283.00	8,130.71	7,079.10	139.46	40.37	85.80	331.63	6,032.06	1,201.44	1,025.74	175.70	6.838		
10,600.00	7,283.00	8,227.47	7,078.16	141.94	42.46	85.76	331.01	6,128.81	1,202.30	1,022.08	180.22	6.671		
10,700.00	7,283.00	8,325.21	7,077.06	144.44	44.63	85.71	330.36	6,226.55	1,203.21	1,018.35	184.86	6.509		
10,800.00	7,283.00	8,409.02	7,076.26	146.94	46.53	85.68	329.39	6,310.35	1,204.67	1,015.82	188.84	6.379		
10,900.00	7,283.00	8,477.00	7,075.74	149.45	48.09	85.66	326.93	6,378.28	1,208.46	1,016.49	191.97	6.295		
11,000.00	7,283.00	8,622.16	7,075.24	151.96	51.50	85.65	323.21	6,523.39	1,211.01	1,011.72	199.29	6.077		
11,100.00	7,283.00	8,713.22	7,074.21	154.49	53.67	85.61	322.18	6,614.43	1,212.42	1,008.65	203.76	5.950		
11,200.00	7,283.00	8,797.26	7,072.87	157.01	55.70	85.55	320.00	6,698.43	1,215.26	1,007.39	207.87	5.846		
11,300.00	7,283.00	8,900.26	7,073.44	159.55	58.22	85.60	316.50	6,801.37	1,218.79	1,005.73	213.06	5.720		
11,400.00	7,283.00	9,005.70	7,074.48	162.09	60.82	85.65	313.81	6,906.76	1,221.40	1,002.98	218.42	5.592		
11,500.00	7,283.00	9,090.14	7,074.72	164.64	62.92	85.67	311.29	6,991.17	1,224.55	1,001.91	222.64	5.500		
11,600.00	7,283.00	9,180.59	7,075.96	167.19	65.18	85.75	307.08	7,081.51	1,229.23	1,002.02	227.21	5.410		
11,700.00	7,283.00	9,281.74	7,076.25	169.75	67.73	85.78	302.77	7,182.56	1,233.61	1,001.22	232.39	5.308		
11,800.00	7,283.00	9,407.70	7,074.84	172.31	70.92	85.73	297.77	7,308.41	1,237.99	999.02	238.96	5.181		
11,900.00	7,283.00	9,509.93	7,075.90	174.88	73.53	85.79	295.64	7,410.61	1,240.14	995.89	244.25	5.077		
12,000.00	7,283.00	9,633.31	7,077.49	177.45	76.70	85.87	293.99	7,533.96	1,241.55	990.88	250.67	4.953		
12,100.00	7,283.00	9,739.67	7,079.19	180.03	79.44	85.94	294.03	7,640.31	1,241.56	985.36	256.20	4.846		
12,112.50	7,283.00	9,751.32	7,079.27	180.35	79.74	85.95	294.05	7,651.96	1,241.56	984.75	256.81	4.835		
12,200.00	7,283.00	9,828.79	7,079.14	182.61	81.74	85.94	293.96	7,729.42	1,241.82	980.98	260.83	4.761		
12,300.00	7,283.00	9,915.16	7,078.70	185.19	83.97	85.93	292.75	7,815.79	1,243.38	978.08	265.31	4.687		
12,400.00	7,283.00	10,031.49	7,077.41	187.78	87.00	85.87	291.75	7,932.11	1,244.46	973.10	271.36	4.586		
12,500.00	7,283.00	10,137.26	7,078.30	190.37	89.76	85.91	291.46	8,037.87	1,244.84	967.95	276.89	4.496		
12,600.00	7,283.00	10,231.37	7,078.90	192.97	92.22	85.94	291.45	8,131.98	1,244.99	963.16	281.83	4.418		
12,700.00	7,283.00	10,337.24	7,080.58	195.57	94.99	86.02	290.66	8,237.83	1,245.81	958.41	287.40	4.335		
12,746.85	7,283.00	10,385.00	7,081.29	196.79	96.24	86.05	290.78	8,285.58	1,245.72	955.81	289.91	4.297		
12,800.00	7,283.00	10,421.74	7,081.68	198.17	97.21	86.07	290.55	8,322.32	1,246.10	954.25	291.86	4.270		
12,900.00	7,283.00	10,501.19	7,082.02	200.77	99.30	86.10	288.63	8,401.74	1,248.57	952.59	295.98	4.218		
13,000.00	7,283.00	10,616.20	7,082.06	203.38	102.33	86.11	285.63	8,516.72	1,251.39	949.30	302.09	4.142		
13,100.00	7,283.00	10,712.54	7,081.58	205.99	104.87	86.09	284.46	8,613.05	1,252.82	945.68	307.15	4.079		
13,200.00	7,283.00	10,800.68	7,080.51	208.61	107.20	86.05	282.18	8,701.15	1,255.62	943.89	311.73	4.028		
13,300.00	7,283.00	10,893.63	7,078.00	211.22	109.66	85.94	279.52	8,794.02	1,258.84	942.28	316.55	3.977		
13,400.00	7,283.00	11,000.05	7,076.03	213.84	112.48	85.87	275.84	8,900.37	1,262.61	940.43	322.18	3.919		
13,500.00	7,283.00	11,128.82	7,075.10	216.47	115.89	85.83	273.61	9,029.11	1,264.56	935.53	329.03	3.843		
13,600.00	7,283.00	11,209.24	7,075.42	219.09	118.03	85.85	272.43	9,109.51	1,266.15	932.87	333.27	3.799		
13,700.00	7,283.00	11,304.62	7,076.86	221.72	120.57	85.92	269.93	9,204.85	1,268.81	930.47	338.35	3.750		
13,800.00	7,283.00	11,401.99	7,076.74	224.34	123.16	85.93	267.35	9,302.19	1,271.64	928.14	343.50	3.702		
13,900.00	7,283.00	11,494.16	7,075.34	226.97	125.62	85.87	264.63	9,394.31	1,274.85	926.53	348.33	3.660		
14,000.00	7,283.00	11,592.72	7,074.47	229.61	128.25	85.85	261.25	9,492.80	1,278.50	924.96	353.54	3.616 ES, SF		
14,100.00	7,283.00	11,615.00	7,074.27	232.24	128.84	85.84	260.49	9,515.07	1,284.50	930.90	353.61	3.633		
14,200.00	7,283.00	11,615.00	7,074.27	234.88	128.84	85.84	260.49	9,515.07	1,298.01	947.61	350.40	3.704		
14,300.00	7,283.00	11,615.00	7,074.27	237.52	128.84	85.84	260.49	9,515.07	1,318.99	973.62	345.37	3.819		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 352-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,400.00	7,283.00	11,615.00	7,074.27	240.16	128.84	85.84	260.49	9,515.07	1,347.08	1,008.31	338.77	3.976		
14,500.00	7,283.00	11,615.00	7,074.27	242.80	128.84	85.84	260.49	9,515.07	1,381.85	1,050.95	330.90	4.176		
14,600.00	7,283.00	11,615.00	7,074.27	245.44	128.84	85.84	260.49	9,515.07	1,422.82	1,100.73	322.08	4.418		
14,700.00	7,283.00	11,615.00	7,074.27	248.09	128.84	85.84	260.49	9,515.07	1,469.45	1,156.84	312.61	4.701		
14,800.00	7,283.00	11,615.00	7,074.27	250.74	128.84	85.84	260.49	9,515.07	1,521.24	1,218.49	302.76	5.025		
14,900.00	7,283.00	11,615.00	7,074.27	253.38	128.84	85.84	260.49	9,515.07	1,577.68	1,284.93	292.75	5.389		
15,000.00	7,283.00	11,615.00	7,074.27	256.03	128.84	85.84	260.49	9,515.07	1,638.28	1,355.51	282.78	5.794		
15,100.00	7,283.00	11,615.00	7,074.27	258.69	128.84	85.84	260.49	9,515.07	1,702.60	1,429.63	272.97	6.237		
15,200.00	7,283.00	11,615.00	7,074.27	261.34	128.84	85.84	260.49	9,515.07	1,770.24	1,506.80	263.44	6.720		
15,300.00	7,283.00	11,615.00	7,074.27	263.99	128.84	85.84	260.49	9,515.07	1,840.83	1,586.57	254.26	7.240		
15,400.00	7,283.00	11,615.00	7,074.27	266.65	128.84	85.84	260.49	9,515.07	1,914.03	1,668.57	245.46	7.798		
15,500.00	7,283.00	11,615.00	7,074.27	269.31	128.84	85.84	260.49	9,515.07	1,989.58	1,752.49	237.09	8.392		
15,600.00	7,283.00	11,615.00	7,074.27	271.96	128.84	85.84	260.49	9,515.07	2,067.20	1,838.06	229.14	9.022		
15,700.00	7,283.00	11,615.00	7,074.27	274.62	128.84	85.84	260.49	9,515.07	2,146.67	1,925.05	221.62	9.686		
15,800.00	7,283.00	11,615.00	7,074.27	277.28	128.84	85.84	260.49	9,515.07	2,227.80	2,013.28	214.52	10.385		
15,900.00	7,283.00	11,615.00	7,074.27	279.94	128.84	85.84	260.49	9,515.07	2,310.41	2,102.58	207.83	11.117		
16,000.00	7,283.00	11,615.00	7,074.27	282.61	128.84	85.84	260.49	9,515.07	2,394.34	2,192.82	201.52	11.881		
16,100.00	7,283.00	11,615.00	7,074.27	285.27	128.84	85.84	260.49	9,515.07	2,479.47	2,283.88	195.59	12.677		
16,200.00	7,283.00	11,615.00	7,074.27	287.94	128.84	85.84	260.49	9,515.07	2,565.67	2,375.66	190.00	13.503		
16,300.00	7,283.00	11,615.00	7,074.27	290.60	128.84	85.84	260.49	9,515.07	2,652.84	2,468.09	184.75	14.359		
16,400.00	7,283.00	11,615.00	7,074.27	293.27	128.84	85.84	260.49	9,515.07	2,740.88	2,561.08	179.80	15.244		
16,500.00	7,283.00	11,615.00	7,074.27	295.94	128.84	85.84	260.49	9,515.07	2,829.72	2,654.57	175.15	16.156		
16,600.00	7,283.00	11,615.00	7,074.27	298.60	128.84	85.84	260.49	9,515.07	2,919.28	2,748.52	170.77	17.095		
16,700.00	7,283.00	11,615.00	7,074.27	301.27	128.84	85.84	260.49	9,515.07	3,009.50	2,842.87	166.64	18.060		
16,800.00	7,283.00	11,615.00	7,074.27	303.94	128.84	85.84	260.49	9,515.07	3,100.32	2,937.58	162.74	19.050		
16,900.00	7,283.00	11,615.00	7,074.27	306.62	128.84	85.84	260.49	9,515.07	3,191.69	3,032.62	159.07	20.065		
17,000.00	7,283.00	11,615.00	7,074.27	309.29	128.84	85.84	260.49	9,515.07	3,283.56	3,127.96	155.61	21.102		
17,100.00	7,283.00	11,615.00	7,074.27	311.96	128.84	85.84	260.49	9,515.07	3,375.90	3,223.56	152.33	22.161		
17,200.00	7,283.00	11,615.00	7,074.27	314.63	128.84	85.84	260.49	9,515.07	3,468.65	3,319.41	149.24	23.242		
17,300.00	7,283.00	11,615.00	7,074.27	317.31	128.84	85.84	260.49	9,515.07	3,561.80	3,415.49	146.31	24.343		
17,400.00	7,283.00	11,615.00	7,074.27	319.98	128.84	85.84	260.49	9,515.07	3,655.32	3,511.77	143.55	25.464		
17,500.00	7,283.00	11,615.00	7,074.27	322.66	128.84	85.84	260.49	9,515.07	3,749.16	3,608.24	140.93	26.604		
17,600.00	7,283.00	11,615.00	7,074.27	325.34	128.84	85.84	260.49	9,515.07	3,843.32	3,704.88	138.44	27.761		
17,700.00	7,283.00	11,615.00	7,074.27	328.01	128.84	85.84	260.49	9,515.07	3,937.77	3,801.68	136.09	28.936		
17,800.00	7,283.00	11,615.00	7,074.27	330.69	128.84	85.84	260.49	9,515.07	4,032.48	3,898.63	133.85	30.126		
17,900.00	7,283.00	11,615.00	7,074.27	333.37	128.84	85.84	260.49	9,515.07	4,127.44	3,995.71	131.73	31.332		
18,000.00	7,283.00	11,615.00	7,074.27	336.05	128.84	85.84	260.49	9,515.07	4,222.64	4,092.92	129.72	32.553		
18,100.00	7,283.00	11,615.00	7,074.27	338.73	128.84	85.84	260.49	9,515.07	4,318.05	4,190.25	127.80	33.787		
18,200.00	7,283.00	11,615.00	7,074.27	341.41	128.84	85.84	260.49	9,515.07	4,413.67	4,287.69	125.98	35.035		
18,300.00	7,283.00	11,615.00	7,074.27	344.09	128.84	85.84	260.49	9,515.07	4,509.47	4,385.23	124.25	36.295		
18,400.00	7,283.00	11,615.00	7,074.27	346.77	128.84	85.84	260.49	9,515.07	4,605.46	4,482.86	122.60	37.566		
18,500.00	7,283.00	11,615.00	7,074.27	349.46	128.84	85.84	260.49	9,515.07	4,701.61	4,580.59	121.02	38.849		
18,600.00	7,283.00	11,615.00	7,074.27	352.14	128.84	85.84	260.49	9,515.07	4,797.92	4,678.39	119.53	40.141		
18,700.00	7,283.00	11,615.00	7,074.27	354.82	128.84	85.84	260.49	9,515.07	4,894.38	4,776.28	118.10	41.444		
18,800.00	7,283.00	11,615.00	7,074.27	357.51	128.84	85.84	260.49	9,515.07	4,990.97	4,874.24	116.73	42.755		
18,900.00	7,283.00	11,615.00	7,074.27	360.19	128.84	85.84	260.49	9,515.07	5,087.70	4,972.27	115.43	44.075		
19,000.00	7,283.00	11,615.00	7,074.27	362.88	128.84	85.84	260.49	9,515.07	5,184.55	5,070.36	114.19	45.403		
19,100.00	7,283.00	11,615.00	7,074.27	365.56	128.84	85.84	260.49	9,515.07	5,281.52	5,168.52	113.00	46.738		
19,200.00	7,283.00	11,615.00	7,074.27	368.25	128.84	85.84	260.49	9,515.07	5,378.60	5,266.74	111.87	48.080		
19,247.68	7,283.00	11,615.00	7,074.27	369.53	128.84	85.84	260.49	9,515.07	5,424.92	5,313.58	111.34	48.722		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 23-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	56.27	56.27	0.27	0.12	57.68	898.75	1,420.73	1,681.14	1,680.75	0.39	4,331.248		
200.00	200.00	160.23	160.23	0.63	0.49	57.69	898.57	1,420.60	1,680.94	1,679.82	1.12	1,501.685		
300.00	299.98	260.36	260.35	0.98	0.85	-11.94	898.22	1,420.37	1,678.85	1,677.02	1.83	915.885		
400.00	399.84	361.26	361.26	1.34	1.21	-12.00	897.98	1,420.23	1,673.49	1,670.94	2.55	656.248		
500.00	499.45	464.09	464.08	1.71	1.57	-12.12	898.21	1,419.41	1,664.41	1,661.13	3.27	508.395		
600.00	598.70	554.98	554.97	2.10	1.88	-12.29	898.94	1,418.50	1,652.09	1,648.13	3.96	417.596		
700.00	697.47	634.64	634.60	2.51	2.16	-12.52	900.87	1,417.63	1,637.21	1,632.60	4.60	355.750		
800.00	795.62	691.00	690.89	2.95	2.35	-12.77	903.55	1,417.02	1,620.53	1,615.36	5.17	313.442		
900.00	893.06	772.90	772.55	3.43	2.65	-13.20	909.75	1,416.38	1,602.14	1,596.29	5.85	274.093		
1,000.00	989.64	839.06	838.33	3.95	2.88	-13.66	916.86	1,416.19	1,582.49	1,576.02	6.47	244.559		
1,100.00	1,085.27	906.25	904.89	4.52	3.13	-14.22	925.96	1,416.26	1,561.55	1,554.44	7.12	219.465		
1,200.00	1,179.82	973.00	970.77	5.14	3.39	-14.87	936.71	1,416.52	1,539.21	1,531.44	7.78	197.924		
1,300.00	1,273.17	1,052.83	1,049.22	5.81	3.71	-15.75	951.45	1,416.84	1,515.21	1,506.69	8.52	177.872		
1,400.00	1,365.21	1,146.88	1,141.27	6.54	4.11	-16.92	970.75	1,416.52	1,488.96	1,479.61	9.35	159.199		
1,500.00	1,455.84	1,272.93	1,264.35	7.33	4.67	-18.72	997.70	1,413.26	1,458.94	1,448.57	10.37	140.695		
1,600.00	1,544.94	1,333.41	1,323.07	8.19	4.96	-19.85	1,011.95	1,410.67	1,426.37	1,415.23	11.14	128.049		
1,700.00	1,632.39	1,418.69	1,405.24	9.12	5.38	-21.59	1,034.25	1,405.93	1,392.34	1,380.26	12.08	115.253		
1,800.00	1,718.11	1,500.64	1,483.72	10.11	5.80	-23.51	1,057.09	1,399.90	1,356.27	1,343.20	13.07	103.757		
1,900.00	1,801.97	1,562.93	1,543.04	11.18	6.15	-25.22	1,075.41	1,394.89	1,319.13	1,305.10	14.03	94.051		
1,969.27	1,858.92	1,599.35	1,577.54	11.96	6.36	-26.34	1,086.76	1,392.17	1,293.53	1,278.84	14.69	88.073		
2,000.00	1,883.98	1,615.46	1,592.75	12.31	6.45	-26.74	1,091.94	1,391.03	1,282.39	1,267.40	14.99	85.559		
2,100.00	1,965.50	1,679.00	1,652.43	13.48	6.82	-28.36	1,113.37	1,386.97	1,248.57	1,232.50	16.07	77.697		
2,200.00	2,047.03	1,726.79	1,696.81	14.65	7.17	-29.65	1,130.78	1,383.69	1,218.26	1,201.11	17.15	71.028		
2,300.00	2,128.56	1,784.26	1,749.30	15.84	7.60	-31.34	1,153.58	1,378.52	1,191.78	1,173.42	18.36	64.897		
2,400.00	2,210.09	1,838.79	1,798.14	17.03	8.01	-33.05	1,177.05	1,372.38	1,169.59	1,150.00	19.60	59.687		
2,500.00	2,291.61	1,890.42	1,843.41	18.23	8.40	-34.77	1,200.88	1,365.48	1,152.23	1,131.40	20.83	55.315		
2,600.00	2,373.14	1,939.21	1,885.25	19.44	8.77	-36.48	1,224.81	1,357.98	1,140.19	1,118.14	22.05	51.708		
2,700.00	2,454.67	2,006.00	1,940.97	20.64	9.27	-38.92	1,259.71	1,346.22	1,134.20	1,110.69	23.51	48.246		
2,757.43	2,501.49	2,015.13	1,948.45	21.34	9.35	-39.26	1,264.64	1,344.48	1,133.03	1,109.06	23.96	47.279 CC		
2,800.00	2,536.20	2,051.96	1,978.60	21.86	9.69	-40.64	1,284.46	1,337.10	1,133.36	1,108.62	24.74	45.816 ES		
2,900.00	2,617.72	2,098.63	2,016.56	23.07	10.13	-42.42	1,309.82	1,327.37	1,137.94	1,111.99	25.95	43.859		
3,000.00	2,699.25	2,150.00	2,057.79	24.29	10.62	-44.36	1,338.60	1,316.86	1,148.69	1,121.51	27.19	42.253		
3,100.00	2,780.78	2,204.19	2,100.98	25.50	11.16	-46.39	1,369.45	1,305.98	1,165.00	1,136.56	28.44	40.970		
3,200.00	2,862.31	2,270.43	2,153.82	26.73	11.82	-48.83	1,407.21	1,292.90	1,185.97	1,156.10	29.86	39.714		
3,300.00	2,943.83	2,339.00	2,208.59	27.95	12.52	-51.32	1,446.18	1,279.38	1,211.15	1,179.84	31.30	38.690		
3,400.00	3,025.36	2,397.69	2,255.48	29.17	13.13	-53.38	1,479.69	1,268.31	1,240.50	1,207.97	32.53	38.134		
3,500.00	3,106.89	2,458.97	2,304.41	30.40	13.76	-55.45	1,515.10	1,257.93	1,273.90	1,240.12	33.78	37.716		
3,600.00	3,188.42	2,523.75	2,356.12	31.62	14.43	-57.52	1,552.96	1,248.53	1,310.79	1,275.72	35.07	37.377		
3,700.00	3,269.94	2,593.77	2,412.03	32.85	15.15	-59.62	1,594.25	1,240.03	1,350.60	1,314.14	36.45	37.050		
3,800.00	3,351.47	2,670.25	2,473.12	34.07	15.94	-61.76	1,639.67	1,232.81	1,392.75	1,354.79	37.96	36.688		
3,900.00	3,433.00	2,755.78	2,541.52	35.30	16.80	-63.90	1,690.86	1,228.86	1,436.48	1,396.83	39.65	36.229		
4,000.00	3,514.53	2,839.84	2,608.85	36.53	17.64	-65.81	1,741.18	1,227.78	1,481.19	1,439.87	41.31	35.851		
4,100.00	3,596.05	2,913.25	2,667.56	37.76	18.37	-67.37	1,785.23	1,227.48	1,527.24	1,484.46	42.78	35.698		
4,200.00	3,677.58	2,978.60	2,719.81	38.99	19.03	-68.73	1,824.48	1,226.24	1,574.93	1,530.82	44.10	35.710		
4,300.00	3,759.11	3,041.74	2,770.26	40.22	19.68	-70.06	1,862.33	1,223.42	1,624.38	1,579.00	45.38	35.792		
4,400.00	3,840.64	3,106.40	2,821.89	41.45	20.35	-71.42	1,901.00	1,218.93	1,675.59	1,628.89	46.70	35.879		
4,500.00	3,922.16	3,193.69	2,891.78	42.68	21.26	-73.18	1,952.89	1,212.50	1,727.80	1,679.32	48.48	35.638		
4,600.00	4,003.69	3,273.86	2,955.99	43.91	22.10	-74.67	2,000.68	1,207.98	1,780.64	1,730.52	50.13	35.524		
4,700.00	4,085.22	3,344.61	3,012.53	45.15	22.84	-75.90	2,043.10	1,204.84	1,834.30	1,782.72	51.58	35.560		
4,800.00	4,166.75	3,454.08	3,100.37	46.38	23.97	-77.71	2,108.23	1,199.79	1,888.55	1,834.72	53.83	35.085		
4,900.00	4,248.27	3,522.29	3,155.50	47.61	24.67	-78.77	2,148.31	1,197.38	1,942.45	1,887.21	55.24	35.161		
5,000.00	4,329.80	3,586.85	3,207.20	48.84	25.34	-79.71	2,186.94	1,195.47	1,997.66	1,941.07	56.59	35.301		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 23-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,411.33	3,669.42	3,273.20	50.08	26.20	-80.84	2,236.51	1,193.58	2,053.38	1,995.08	58.30	35.218		
5,200.00	4,492.86	3,731.90	3,323.15	51.31	26.85	-81.67	2,274.02	1,191.86	2,109.81	2,050.20	59.61	35.392		
5,300.00	4,574.38	3,790.13	3,369.66	52.54	27.46	-82.43	2,308.96	1,189.48	2,167.26	2,106.44	60.83	35.630		
5,400.00	4,655.91	3,848.00	3,415.88	53.78	28.07	-83.19	2,343.62	1,186.06	2,225.85	2,163.82	62.03	35.883		
5,500.00	4,737.44	3,895.61	3,453.90	55.01	28.58	-83.82	2,372.01	1,182.26	2,285.61	2,222.60	63.01	36.277		
5,600.00	4,818.97	3,943.00	3,491.76	56.24	29.09	-84.46	2,400.11	1,177.42	2,346.59	2,282.62	63.97	36.684		
5,700.00	4,900.49	3,978.26	3,519.89	57.48	29.47	-84.94	2,420.86	1,172.87	2,408.96	2,344.32	64.65	37.263		
5,800.00	4,982.02	4,010.90	3,545.88	58.71	29.83	-85.41	2,439.92	1,167.69	2,472.88	2,407.62	65.26	37.894		
5,900.00	5,063.55	4,038.00	3,567.39	59.95	30.12	-85.80	2,455.62	1,162.67	2,538.28	2,472.55	65.73	38.616		
6,000.00	5,145.08	4,099.22	3,616.02	61.18	30.79	-86.71	2,490.55	1,149.88	2,604.72	2,537.80	66.93	38.919		
6,100.00	5,226.60	4,152.84	3,658.74	62.42	31.38	-87.51	2,520.49	1,137.50	2,671.98	2,604.03	67.95	39.324		
6,200.00	5,308.13	4,207.29	3,702.17	63.65	31.97	-88.32	2,550.52	1,124.23	2,739.98	2,671.00	68.97	39.726		
6,300.00	5,389.66	4,280.21	3,760.36	64.89	32.76	-89.36	2,590.61	1,106.22	2,808.54	2,738.15	70.40	39.897		
6,400.00	5,471.19	4,351.39	4,057.28	66.12	36.76	-93.17	2,806.18	1,057.64	2,873.59	2,795.45	78.14	36.774		
6,500.00	5,552.72	4,713.89	4,106.72	67.36	37.42	-93.58	2,844.41	1,056.50	2,935.39	2,855.94	79.45	36.944		
6,600.00	5,634.24	4,784.32	4,162.30	68.59	38.16	-94.03	2,887.64	1,055.14	2,997.55	2,916.62	80.93	37.038		
6,700.00	5,715.77	4,834.52	4,201.89	69.83	38.70	-94.34	2,918.49	1,053.89	3,060.20	2,978.21	81.99	37.324		
6,800.00	5,797.30	4,886.00	4,242.36	71.06	39.26	-94.66	2,950.24	1,052.04	3,123.65	3,040.58	83.07	37.603		
6,900.00	5,878.83	4,954.40	4,296.25	72.30	40.00	-95.09	2,992.24	1,048.86	3,187.61	3,103.11	84.50	37.724		
7,000.00	5,960.35	5,110.17	4,419.92	73.53	41.66	-96.01	3,086.77	1,043.35	3,250.49	3,162.75	87.74	37.048		
7,100.00	6,041.88	5,170.00	4,467.44	74.77	42.29	-96.33	3,123.10	1,042.01	3,312.97	3,223.97	89.00	37.225		
7,200.00	6,123.41	5,228.83	4,514.27	76.01	42.91	-96.65	3,158.65	1,040.05	3,375.92	3,285.69	90.23	37.415		
7,300.00	6,204.94	5,281.84	4,556.69	77.24	43.48	-96.95	3,190.34	1,037.44	3,439.40	3,348.06	91.34	37.657		
7,400.00	6,286.46	5,328.15	4,593.75	78.48	43.97	-97.22	3,217.97	1,034.58	3,503.55	3,411.26	92.29	37.961		
7,500.00	6,367.99	5,377.80	4,633.43	79.71	44.51	-97.51	3,247.59	1,030.99	3,568.39	3,475.08	93.32	38.240		
7,600.00	6,449.52	10,646.00	6,968.09	80.95	83.04	-78.29	4,872.19	3,561.59	3,596.26	3,448.53	147.73	24.344		
7,700.00	6,531.05	10,742.41	6,968.29	82.19	84.74	-76.95	4,871.40	3,657.99	3,563.99	3,412.50	151.49	23.526		
7,800.00	6,612.57	10,809.74	6,968.41	83.42	85.98	-76.01	4,870.28	3,725.32	3,532.96	3,378.08	154.87	22.812		
7,900.00	6,694.10	10,885.54	6,968.51	84.66	87.43	-74.94	4,868.67	3,801.10	3,503.41	3,345.10	158.31	22.130		
8,000.00	6,775.63	11,062.79	6,968.19	85.89	90.99	-72.42	4,861.09	3,978.17	3,474.42	3,311.64	162.78	21.345		
8,100.00	6,857.16	11,127.01	6,968.11	87.13	92.32	-71.49	4,857.12	4,042.26	3,446.33	3,280.38	165.95	20.767		
8,200.00	6,938.68	11,150.43	6,968.09	88.37	92.82	-71.15	4,855.78	4,065.65	3,420.31	3,251.65	168.66	20.279		
8,300.00	7,020.21	11,179.57	6,968.07	89.60	93.44	-70.73	4,854.29	4,094.75	3,396.57	3,225.21	171.36	19.821		
8,310.57	7,028.83	11,182.67	6,968.07	89.73	93.51	-70.69	4,854.14	4,097.84	3,394.20	3,222.56	171.64	19.775		
8,350.00	7,060.23	11,211.00	6,968.07	90.25	94.12	-73.22	4,852.90	4,126.15	3,385.77	3,212.87	172.90	19.583		
8,400.00	7,097.77	11,211.00	6,968.07	90.98	94.12	-76.30	4,852.90	4,126.15	3,375.81	3,201.58	174.23	19.376		
8,450.00	7,132.48	11,235.33	6,968.07	91.79	94.65	-78.50	4,851.97	4,150.46	3,366.92	3,191.01	175.91	19.140		
8,500.00	7,164.10	11,260.43	6,968.07	92.67	95.21	-80.28	4,851.09	4,175.54	3,359.03	3,181.33	177.70	18.903		
8,550.00	7,192.40	11,287.40	6,968.08	93.63	95.80	-81.70	4,850.26	4,202.50	3,352.15	3,172.54	179.60	18.664		
8,600.00	7,217.15	11,305.00	6,968.09	94.64	96.20	-82.91	4,849.78	4,220.09	3,346.28	3,164.79	181.49	18.438		
8,650.00	7,238.16	11,344.86	6,968.11	95.70	97.10	-83.71	4,848.86	4,259.94	3,341.37	3,157.68	183.68	18.191		
8,700.00	7,255.29	11,375.18	6,968.11	96.80	97.79	-84.38	4,848.33	4,290.26	3,337.47	3,151.64	185.83	17.960		
8,750.00	7,268.39	11,400.00	6,968.12	97.92	98.35	-84.88	4,848.01	4,315.08	3,334.56	3,146.60	187.95	17.741		
8,800.00	7,277.37	11,428.85	6,968.11	99.06	99.02	-85.20	4,847.82	4,343.92	3,332.69	3,142.54	190.15	17.527		
8,850.00	7,282.15	11,778.00	6,967.28	100.20	107.16	-85.00	4,831.49	4,692.39	3,329.59	3,134.23	195.37	17.043		
8,881.61	7,283.00	11,804.91	6,967.31	100.91	107.79	-85.31	4,828.96	4,719.18	3,326.46	3,129.59	196.87	16.897		
8,900.00	7,283.00	11,814.81	6,967.32	101.33	108.03	-85.31	4,828.08	4,729.05	3,324.79	3,127.10	197.70	16.818		
9,000.00	7,283.00	11,873.00	6,967.49	103.59	109.40	-85.31	4,823.41	4,787.05	3,316.55	3,114.31	202.24	16.399		
9,100.00	7,283.00	11,873.00	6,967.49	105.87	109.40	-85.31	4,823.41	4,787.05	3,310.36	3,104.07	206.28	16.048		
9,200.00	7,283.00	11,923.44	6,967.66	108.18	110.63	-85.31	4,820.81	4,837.42	3,305.72	3,094.97	210.75	15.686		
9,300.00	7,283.00	11,967.00	6,967.79	110.50	111.69	-85.31	4,820.30	4,880.97	3,303.82	3,088.69	215.13	15.358		
9,348.99	7,283.00	11,967.00	6,967.79	111.64	111.69	-85.31	4,820.30	4,880.97	3,303.45	3,086.42	217.03	15.221		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T4N-R68W - EXIST HZ FLASCHENRIEM 1 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 23-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,400.00	7,283.00	11,967.00	6,967.79	112.84	111.69	-85.31	4,820.30	4,880.97	3,303.85	3,084.87	218.97	15.088		
9,500.00	7,283.00	12,015.76	6,967.93	115.19	112.90	-85.31	4,821.27	4,929.72	3,305.91	3,082.58	223.33	14.803		
9,600.00	7,283.00	12,062.00	6,968.06	117.56	114.05	-85.32	4,823.37	4,975.91	3,310.01	3,082.39	227.62	14.542		
9,700.00	7,283.00	12,241.04	6,966.81	119.95	118.54	-85.30	4,829.73	5,154.82	3,313.37	3,079.69	233.68	14.179		
9,800.00	7,283.00	12,251.00	6,966.73	122.34	118.79	-85.30	4,829.97	5,164.78	3,316.92	3,079.39	237.53	13.964		
9,900.00	7,283.00	12,345.00	6,966.61	124.76	121.17	-85.31	4,834.98	5,258.63	3,322.08	3,079.59	242.49	13.700		
10,000.00	7,283.00	12,345.00	6,966.61	127.18	121.17	-85.31	4,834.98	5,258.63	3,328.79	3,082.75	246.05	13.529		
10,100.00	7,283.00	12,425.97	6,966.39	129.61	123.24	-85.31	4,841.93	5,339.30	3,337.22	3,086.42	250.80	13.306		
10,200.00	7,283.00	12,530.38	6,965.06	132.06	125.90	-85.30	4,851.18	5,443.29	3,345.99	3,090.05	255.94	13.073		
10,300.00	7,283.00	12,698.70	6,963.26	134.52	130.22	-85.29	4,864.02	5,611.11	3,353.47	3,091.36	262.11	12.794		
10,400.00	7,283.00	13,197.00	6,958.18	136.98	142.97	-85.20	4,865.60	6,108.91	3,352.04	3,080.24	271.79	12.333		
10,500.00	7,283.00	13,291.00	6,957.09	139.46	145.37	-85.18	4,860.77	6,202.78	3,346.86	3,069.96	276.89	12.087		
10,600.00	7,283.00	13,386.00	6,955.99	141.94	147.81	-85.15	4,856.11	6,297.66	3,341.89	3,059.88	282.01	11.850		
10,700.00	7,283.00	13,423.69	6,955.55	144.44	148.78	-85.14	4,854.72	6,335.32	3,337.97	3,051.32	286.65	11.645		
10,800.00	7,283.00	13,480.00	6,954.90	146.94	150.24	-85.13	4,853.54	6,391.61	3,335.70	3,044.28	291.42	11.446		
10,859.69	7,283.00	13,480.00	6,954.90	148.44	150.24	-85.13	4,853.54	6,391.61	3,335.16	3,041.28	293.89	11.349		
10,900.00	7,283.00	13,480.00	6,954.90	149.45	150.24	-85.13	4,853.54	6,391.61	3,335.41	3,039.90	295.51	11.287		
11,000.00	7,283.00	13,540.81	6,954.26	151.96	151.82	-85.12	4,853.96	6,452.41	3,336.47	3,036.27	300.20	11.114		
11,100.00	7,283.00	13,575.00	6,953.97	154.49	152.71	-85.12	4,855.15	6,486.58	3,339.85	3,035.36	304.48	10.969		
11,200.00	7,283.00	13,721.93	6,952.39	157.01	156.55	-85.10	4,861.56	6,633.35	3,344.42	3,034.09	310.33	10.777		
11,300.00	7,283.00	13,805.51	6,951.85	159.55	158.73	-85.09	4,863.67	6,716.89	3,346.95	3,031.65	315.30	10.615		
11,400.00	7,283.00	13,859.00	6,952.23	162.09	160.13	-85.10	4,866.73	6,770.29	3,351.80	3,031.96	319.84	10.480		
11,500.00	7,283.00	13,859.00	6,952.23	164.64	160.13	-85.10	4,866.73	6,770.29	3,358.11	3,034.70	323.41	10.383		
11,600.00	7,283.00	13,893.54	6,952.76	167.19	161.04	-85.12	4,869.81	6,804.69	3,366.81	3,039.41	327.40	10.284		
11,700.00	7,283.00	14,332.00	6,956.35	169.75	172.53	-85.21	4,893.96	7,241.66	3,373.93	3,036.22	337.70	9.991		
11,745.64	7,283.00	14,367.85	6,956.30	170.92	173.47	-85.21	4,893.72	7,277.50	3,373.62	3,033.63	339.99	9.923		
11,800.00	7,283.00	14,389.34	6,956.28	172.31	174.04	-85.21	4,893.86	7,299.00	3,373.89	3,031.42	342.46	9.852		
11,900.00	7,283.00	14,435.05	6,956.25	174.88	175.24	-85.21	4,894.84	7,344.69	3,375.75	3,028.73	347.02	9.728		
12,000.00	7,283.00	14,949.36	6,955.30	177.45	188.73	-85.17	4,879.28	7,858.31	3,374.19	3,018.73	355.45	9.493		
12,100.00	7,283.00	15,036.33	6,954.54	180.03	190.99	-85.15	4,870.65	7,944.85	3,364.27	3,003.60	360.67	9.328		
12,200.00	7,283.00	15,090.00	6,954.20	182.61	192.39	-85.13	4,866.11	7,998.33	3,355.68	2,989.89	365.79	9.174		
12,300.00	7,283.00	15,090.00	6,954.20	185.19	192.39	-85.13	4,866.11	7,998.33	3,349.23	2,978.64	370.59	9.038		
12,400.00	7,283.00	15,136.30	6,953.96	187.78	193.61	-85.13	4,863.57	8,044.56	3,344.41	2,968.92	375.49	8.907		
12,500.00	7,283.00	15,184.00	6,953.76	190.37	194.87	-85.12	4,863.11	8,092.25	3,342.53	2,962.21	380.32	8.789		
12,560.34	7,283.00	15,184.00	6,953.76	191.94	194.87	-85.12	4,863.11	8,092.25	3,341.99	2,959.10	382.89	8.728		
12,600.00	7,283.00	15,184.00	6,953.76	192.97	194.87	-85.12	4,863.11	8,092.25	3,342.23	2,957.71	384.52	8.692		
12,700.00	7,283.00	15,235.08	6,953.55	195.57	196.23	-85.12	4,864.16	8,143.32	3,344.15	2,954.99	389.16	8.593		
12,800.00	7,283.00	15,295.90	6,953.26	198.17	197.84	-85.12	4,866.34	8,204.09	3,347.50	2,953.64	393.87	8.499		
12,900.00	7,283.00	15,400.23	6,952.71	200.77	200.61	-85.11	4,870.25	8,308.35	3,351.11	2,951.90	399.21	8.394		
13,000.00	7,283.00	15,495.79	6,952.02	203.38	203.15	-85.11	4,874.19	8,403.82	3,355.10	2,950.68	404.42	8.296		
13,100.00	7,283.00	15,567.00	6,951.66	205.99	205.04	-85.10	4,876.63	8,474.99	3,358.67	2,949.42	409.26	8.207		
13,200.00	7,283.00	15,567.00	6,951.66	208.61	205.04	-85.10	4,876.63	8,474.99	3,364.83	2,952.08	412.74	8.152		
13,300.00	7,283.00	15,567.00	6,951.66	211.22	205.04	-85.10	4,876.63	8,474.99	3,373.94	2,958.05	415.88	8.113		
13,400.00	7,283.00	15,567.00	6,951.66	213.84	205.04	-85.10	4,876.63	8,474.99	3,385.97	2,967.31	418.67	8.087		
13,500.00	7,283.00	15,567.00	6,951.66	216.47	205.04	-85.10	4,876.63	8,474.99	3,400.91	2,979.81	421.10	8.076 SF		
13,600.00	7,283.00	15,567.00	6,951.66	219.09	205.04	-85.10	4,876.63	8,474.99	3,418.71	2,995.52	423.19	8.078		
13,700.00	7,283.00	15,567.00	6,951.66	221.72	205.04	-85.10	4,876.63	8,474.99	3,439.33	3,014.40	424.93	8.094		
13,800.00	7,283.00	15,567.00	6,951.66	224.34	205.04	-85.10	4,876.63	8,474.99	3,462.71	3,036.37	426.33	8.122		
13,900.00	7,283.00	15,567.00	6,951.66	226.97	205.04	-85.10	4,876.63	8,474.99	3,488.80	3,061.39	427.41	8.163		
14,000.00	7,283.00	15,567.00	6,951.66	229.61	205.04	-85.10	4,876.63	8,474.99	3,517.54	3,089.37	428.17	8.215		
14,100.00	7,283.00	15,567.00	6,951.66	232.24	205.04	-85.10	4,876.63	8,474.99	3,548.87	3,120.23	428.63	8.279		
14,200.00	7,283.00	15,567.00	6,951.66	234.88	205.04	-85.10	4,876.63	8,474.99	3,582.72	3,153.91	428.81	8.355		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T4N-R68W - EXIST HZ FLASCHENRIEM 1 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 23-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,283.00	15,567.00	6,951.66	237.52	205.04	-85.10	4,876.63	8,474.99	3,619.01	3,190.30	428.71	8.442		
14,400.00	7,283.00	15,567.00	6,951.66	240.16	205.04	-85.10	4,876.63	8,474.99	3,657.68	3,229.32	428.36	8.539		
14,500.00	7,283.00	15,567.00	6,951.66	242.80	205.04	-85.10	4,876.63	8,474.99	3,698.65	3,270.88	427.77	8.646		
14,600.00	7,283.00	15,567.00	6,951.66	245.44	205.04	-85.10	4,876.63	8,474.99	3,741.84	3,314.89	426.95	8.764		
14,700.00	7,283.00	15,567.00	6,951.66	248.09	205.04	-85.10	4,876.63	8,474.99	3,787.18	3,361.25	425.94	8.891		
14,800.00	7,283.00	15,567.00	6,951.66	250.74	205.04	-85.10	4,876.63	8,474.99	3,834.60	3,409.86	424.73	9.028		
14,900.00	7,283.00	15,567.00	6,951.66	253.38	205.04	-85.10	4,876.63	8,474.99	3,884.01	3,460.65	423.36	9.174		
15,000.00	7,283.00	15,567.00	6,951.66	256.03	205.04	-85.10	4,876.63	8,474.99	3,935.34	3,513.51	421.83	9.329		
15,100.00	7,283.00	15,567.00	6,951.66	258.69	205.04	-85.10	4,876.63	8,474.99	3,988.52	3,568.35	420.17	9.493		
15,200.00	7,283.00	15,567.00	6,951.66	261.34	205.04	-85.10	4,876.63	8,474.99	4,043.47	3,625.09	418.38	9.665		
15,300.00	7,283.00	15,567.00	6,951.66	263.99	205.04	-85.10	4,876.63	8,474.99	4,100.13	3,683.65	416.48	9.845		
15,400.00	7,283.00	15,567.00	6,951.66	266.65	205.04	-85.10	4,876.63	8,474.99	4,158.41	3,743.93	414.49	10.033		
15,500.00	7,283.00	15,567.00	6,951.66	269.31	205.04	-85.10	4,876.63	8,474.99	4,218.27	3,805.86	412.41	10.228		
15,600.00	7,283.00	15,567.00	6,951.66	271.96	205.04	-85.10	4,876.63	8,474.99	4,279.62	3,869.36	410.26	10.431		
15,700.00	7,283.00	15,567.00	6,951.66	274.62	205.04	-85.10	4,876.63	8,474.99	4,342.41	3,934.36	408.05	10.642		
15,800.00	7,283.00	15,567.00	6,951.66	277.28	205.04	-85.10	4,876.63	8,474.99	4,406.58	4,000.78	405.80	10.859		
15,900.00	7,283.00	15,567.00	6,951.66	279.94	205.04	-85.10	4,876.63	8,474.99	4,472.06	4,068.56	403.50	11.083		
16,000.00	7,283.00	15,567.00	6,951.66	282.61	205.04	-85.10	4,876.63	8,474.99	4,538.80	4,137.63	401.17	11.314		
16,100.00	7,283.00	15,567.00	6,951.66	285.27	205.04	-85.10	4,876.63	8,474.99	4,606.74	4,207.93	398.81	11.551		
16,200.00	7,283.00	15,567.00	6,951.66	287.94	205.04	-85.10	4,876.63	8,474.99	4,675.84	4,279.39	396.44	11.794		
16,300.00	7,283.00	15,567.00	6,951.66	290.60	205.04	-85.10	4,876.63	8,474.99	4,746.03	4,351.97	394.06	12.044		
16,400.00	7,283.00	15,567.00	6,951.66	293.27	205.04	-85.10	4,876.63	8,474.99	4,817.28	4,425.61	391.67	12.299		
16,500.00	7,283.00	15,567.00	6,951.66	295.94	205.04	-85.10	4,876.63	8,474.99	4,889.54	4,500.25	389.29	12.560		
16,600.00	7,283.00	15,567.00	6,951.66	298.60	205.04	-85.10	4,876.63	8,474.99	4,962.76	4,575.85	386.91	12.827		
16,700.00	7,283.00	15,567.00	6,951.66	301.27	205.04	-85.10	4,876.63	8,474.99	5,036.90	4,652.36	384.53	13.099		
16,800.00	7,283.00	15,567.00	6,951.66	303.94	205.04	-85.10	4,876.63	8,474.99	5,111.92	4,729.74	382.17	13.376		
16,900.00	7,283.00	15,567.00	6,951.66	306.62	205.04	-85.10	4,876.63	8,474.99	5,187.78	4,807.95	379.83	13.658		
17,000.00	7,283.00	15,567.00	6,951.66	309.29	205.04	-85.10	4,876.63	8,474.99	5,264.45	4,886.95	377.51	13.945		
17,100.00	7,283.00	15,567.00	6,951.66	311.96	205.04	-85.10	4,876.63	8,474.99	5,341.90	4,966.69	375.21	14.237		
17,200.00	7,283.00	15,567.00	6,951.66	314.63	205.04	-85.10	4,876.63	8,474.99	5,420.08	5,047.15	372.93	14.534		
17,300.00	7,283.00	15,567.00	6,951.66	317.31	205.04	-85.10	4,876.63	8,474.99	5,498.96	5,128.29	370.68	14.835		
17,400.00	7,283.00	15,567.00	6,951.66	319.98	205.04	-85.10	4,876.63	8,474.99	5,578.53	5,210.08	368.45	15.141		
17,500.00	7,283.00	15,567.00	6,951.66	322.66	205.04	-85.10	4,876.63	8,474.99	5,658.74	5,292.49	366.25	15.450		
17,600.00	7,283.00	15,567.00	6,951.66	325.34	205.04	-85.10	4,876.63	8,474.99	5,739.58	5,375.49	364.09	15.764		
17,700.00	7,283.00	15,567.00	6,951.66	328.01	205.04	-85.10	4,876.63	8,474.99	5,821.01	5,459.06	361.95	16.082		
17,800.00	7,283.00	15,567.00	6,951.66	330.69	205.04	-85.10	4,876.63	8,474.99	5,903.01	5,543.16	359.85	16.404		
17,900.00	7,283.00	15,567.00	6,951.66	333.37	205.04	-85.10	4,876.63	8,474.99	5,985.56	5,627.78	357.78	16.730		
18,000.00	7,283.00	15,567.00	6,951.66	336.05	205.04	-85.10	4,876.63	8,474.99	6,068.63	5,712.89	355.74	17.059		
18,100.00	7,283.00	15,567.00	6,951.66	338.73	205.04	-85.10	4,876.63	8,474.99	6,152.21	5,798.48	353.73	17.392		
18,200.00	7,283.00	15,567.00	6,951.66	341.41	205.04	-85.10	4,876.63	8,474.99	6,236.27	5,884.51	351.76	17.729		
18,300.00	7,283.00	15,567.00	6,951.66	344.09	205.04	-85.10	4,876.63	8,474.99	6,320.79	5,970.97	349.82	18.069		
18,400.00	7,283.00	15,567.00	6,951.66	346.77	205.04	-85.10	4,876.63	8,474.99	6,405.76	6,057.85	347.91	18.412		
18,500.00	7,283.00	15,567.00	6,951.66	349.46	205.04	-85.10	4,876.63	8,474.99	6,491.16	6,145.12	346.04	18.758		
18,600.00	7,283.00	15,567.00	6,951.66	352.14	205.04	-85.10	4,876.63	8,474.99	6,576.97	6,232.77	344.20	19.108		
18,700.00	7,283.00	15,567.00	6,951.66	354.82	205.04	-85.10	4,876.63	8,474.99	6,663.18	6,320.78	342.39	19.461		
18,800.00	7,283.00	15,567.00	6,951.66	357.51	205.04	-85.10	4,876.63	8,474.99	6,749.76	6,409.15	340.62	19.816		
18,900.00	7,283.00	15,567.00	6,951.66	360.19	205.04	-85.10	4,876.63	8,474.99	6,836.72	6,497.84	338.87	20.175		
19,000.00	7,283.00	15,567.00	6,951.66	362.88	205.04	-85.10	4,876.63	8,474.99	6,924.02	6,586.86	337.16	20.536		
19,100.00	7,283.00	15,567.00	6,951.66	365.56	205.04	-85.10	4,876.63	8,474.99	7,011.66	6,676.18	335.49	20.900		
19,200.00	7,283.00	15,567.00	6,951.66	368.25	205.04	-85.10	4,876.63	8,474.99	7,099.63	6,765.80	333.84	21.267		
19,247.68	7,283.00	15,567.00	6,951.66	369.53	205.04	-85.10	4,876.63	8,474.99	7,141.69	6,808.62	333.06	21.442		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T4N-R68W - EXIST HZ FLASCHENRIEM 2 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 23-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	58.30	58.30	0.27	0.13	58.10	884.16	1,420.72	1,673.37	1,672.98	0.40	4,230.569		
200.00	200.00	161.47	161.47	0.63	0.49	58.11	883.73	1,420.45	1,672.93	1,671.81	1.12	1,491.184		
300.00	299.98	254.59	254.58	0.98	0.82	-11.51	883.47	1,420.55	1,671.16	1,669.35	1.80	926.070		
400.00	399.84	365.90	365.90	1.34	1.22	-11.56	882.98	1,420.54	1,665.80	1,663.24	2.56	650.780		
500.00	499.45	473.41	473.40	1.71	1.60	-11.66	882.45	1,419.60	1,656.25	1,652.95	3.30	501.163		
600.00	598.70	557.13	557.11	2.10	1.89	-11.81	882.80	1,418.54	1,643.50	1,639.53	3.96	414.862		
700.00	697.47	633.24	633.16	2.51	2.15	-12.06	885.40	1,417.33	1,628.66	1,624.07	4.59	354.600		
800.00	795.62	707.11	706.85	2.95	2.41	-12.42	890.28	1,415.89	1,611.88	1,606.66	5.22	308.603		
900.00	893.06	785.00	784.31	3.43	2.68	-12.92	898.24	1,414.22	1,593.52	1,587.64	5.88	270.975		
1,000.00	989.64	873.27	871.90	3.95	3.01	-13.58	908.96	1,412.14	1,572.85	1,566.25	6.60	238.450		
1,100.00	1,085.27	952.89	950.81	4.52	3.31	-14.28	919.42	1,410.00	1,549.40	1,542.10	7.30	212.302		
1,200.00	1,179.82	1,033.73	1,030.68	5.14	3.63	-15.11	931.66	1,407.71	1,523.89	1,515.86	8.03	189.857		
1,300.00	1,273.17	1,118.89	1,114.65	5.81	3.97	-16.09	945.62	1,405.29	1,496.14	1,487.34	8.80	170.067		
1,400.00	1,365.21	1,199.20	1,193.59	6.54	4.31	-17.16	960.13	1,402.49	1,466.05	1,456.47	9.58	153.087		
1,500.00	1,455.84	1,273.09	1,265.82	7.33	4.64	-18.34	975.38	1,399.46	1,434.31	1,423.94	10.36	138.384		
1,600.00	1,544.94	1,350.00	1,340.57	8.19	4.99	-19.74	993.11	1,395.71	1,400.96	1,389.75	11.21	124.985		
1,700.00	1,632.39	1,406.77	1,395.31	9.12	5.28	-20.98	1,007.82	1,392.65	1,366.67	1,354.66	12.01	113.802		
1,800.00	1,718.11	1,464.39	1,450.32	10.11	5.57	-22.39	1,024.65	1,389.43	1,332.24	1,319.38	12.86	103.600		
1,900.00	1,801.97	1,525.00	1,507.69	11.18	5.90	-24.02	1,043.89	1,386.02	1,297.66	1,283.87	13.79	94.122		
1,969.27	1,858.92	1,573.89	1,553.68	11.96	6.18	-25.41	1,060.25	1,383.16	1,273.53	1,259.01	14.52	87.722		
2,000.00	1,883.98	1,601.24	1,579.31	12.31	6.34	-26.10	1,069.61	1,381.44	1,262.85	1,247.96	14.89	84.798		
2,100.00	1,965.50	1,694.67	1,666.86	13.48	6.90	-28.57	1,101.43	1,374.26	1,228.54	1,212.34	16.19	75.870		
2,200.00	2,047.03	1,756.99	1,725.09	14.65	7.29	-30.29	1,123.07	1,369.31	1,196.74	1,179.39	17.35	68.982		
2,300.00	2,128.56	1,816.70	1,780.56	15.84	7.67	-32.01	1,144.70	1,364.78	1,168.48	1,149.94	18.55	62.997		
2,400.00	2,210.09	1,866.00	1,825.89	17.03	8.00	-33.49	1,163.66	1,360.74	1,144.31	1,124.60	19.71	58.069		
2,500.00	2,291.61	1,931.32	1,885.20	18.23	8.46	-35.55	1,190.38	1,354.81	1,124.45	1,103.38	21.07	53.355		
2,600.00	2,373.14	1,988.24	1,936.10	19.44	8.88	-37.44	1,215.16	1,349.01	1,109.42	1,087.01	22.40	49.519		
2,700.00	2,454.67	2,055.00	1,994.97	20.64	9.40	-39.73	1,245.73	1,341.45	1,099.38	1,075.49	23.88	46.030		
2,800.00	2,536.20	2,113.47	2,045.76	21.86	9.88	-41.82	1,273.55	1,333.39	1,094.10	1,068.79	25.30	43.242		
2,857.64	2,583.19	2,149.00	2,076.24	22.56	10.17	-43.14	1,290.81	1,327.45	1,093.19	1,067.04	26.15	41.811 CC		
2,900.00	2,617.72	2,174.61	2,098.02	23.07	10.40	-44.10	1,303.44	1,322.76	1,093.63	1,066.86	26.77	40.856 ES		
3,000.00	2,699.25	2,227.87	2,142.80	24.29	10.88	-46.14	1,330.29	1,312.26	1,098.76	1,070.66	28.11	39.094		
3,100.00	2,780.78	2,281.37	2,187.09	25.50	11.37	-48.23	1,357.97	1,300.71	1,109.70	1,080.28	29.42	37.725		
3,200.00	2,862.31	2,338.00	2,233.32	26.73	11.91	-50.46	1,387.86	1,287.40	1,126.34	1,095.60	30.73	36.649		
3,300.00	2,943.83	2,411.75	2,292.96	27.95	12.65	-53.39	1,426.57	1,267.86	1,147.90	1,115.56	32.33	35.500		
3,400.00	3,025.36	2,494.72	2,359.93	29.17	13.48	-56.73	1,468.55	1,242.64	1,173.41	1,139.34	34.07	34.438		
3,500.00	3,106.89	2,557.90	2,411.03	30.40	14.12	-59.27	1,499.40	1,221.93	1,202.94	1,167.55	35.39	33.993		
3,600.00	3,188.42	2,610.67	2,453.74	31.62	14.66	-61.33	1,525.43	1,205.09	1,237.30	1,200.85	36.45	33.945		
3,700.00	3,269.94	2,662.66	2,495.84	32.85	15.20	-63.28	1,551.63	1,189.50	1,276.15	1,238.70	37.45	34.077		
3,800.00	3,351.47	2,718.13	2,540.85	34.07	15.78	-65.25	1,580.53	1,174.81	1,318.97	1,280.49	38.48	34.273		
3,900.00	3,433.00	2,784.10	2,594.48	35.30	16.46	-67.35	1,616.58	1,161.64	1,364.95	1,325.22	39.72	34.362		
4,000.00	3,514.53	2,870.03	2,664.21	36.53	17.32	-69.66	1,665.89	1,152.41	1,412.85	1,371.47	41.38	34.147		
4,100.00	3,596.05	2,958.91	2,736.27	37.76	18.18	-71.70	1,717.77	1,148.53	1,461.40	1,418.30	43.10	33.910		
4,200.00	3,677.58	3,044.97	2,806.05	38.99	19.01	-73.50	1,768.10	1,146.65	1,510.70	1,465.93	44.77	33.743		
4,300.00	3,759.11	3,129.33	2,874.40	40.22	19.82	-75.11	1,817.54	1,146.51	1,560.55	1,514.13	46.42	33.616		
4,400.00	3,840.64	3,204.89	2,935.57	41.45	20.54	-76.45	1,861.90	1,146.89	1,611.18	1,563.27	47.91	33.629		
4,500.00	3,922.16	3,267.96	2,986.66	42.68	21.15	-77.55	1,898.87	1,146.19	1,663.10	1,613.95	49.16	33.833		
4,600.00	4,003.69	3,335.55	3,041.42	43.91	21.82	-78.73	1,938.43	1,144.15	1,716.40	1,665.90	50.50	33.988		
4,700.00	4,085.22	3,407.57	3,099.73	45.15	22.54	-79.94	1,980.63	1,141.48	1,770.75	1,718.81	51.94	34.093		
4,800.00	4,166.75	3,481.87	3,159.85	46.38	23.28	-81.12	2,024.20	1,138.78	1,825.84	1,772.42	53.43	34.173		
4,900.00	4,248.27	3,543.91	3,210.08	47.61	23.91	-82.09	2,060.48	1,135.78	1,881.94	1,827.27	54.67	34.425		
5,000.00	4,329.80	3,612.33	3,265.59	48.84	24.61	-83.16	2,100.22	1,131.19	1,939.11	1,883.07	56.04	34.604		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 23-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,411.33	3,704.32	3,340.70	50.08	25.54	-84.57	2,152.79	1,123.63	1,996.88	1,939.00	57.89	34.495		
5,200.00	4,492.86	3,785.89	3,407.96	51.31	26.37	-85.77	2,198.49	1,117.22	2,054.19	1,994.66	59.52	34.511		
5,300.00	4,574.38	3,848.00	3,458.68	52.54	27.00	-86.62	2,234.03	1,112.59	2,112.75	2,051.99	60.76	34.771		
5,400.00	4,655.91	3,882.80	3,486.89	53.78	27.36	-87.08	2,254.20	1,109.74	2,172.57	2,111.14	61.43	35.367		
5,500.00	4,737.44	3,942.00	3,534.78	55.01	27.98	-87.87	2,288.46	1,103.59	2,233.92	2,171.32	62.60	35.684		
5,600.00	4,818.97	3,977.44	3,563.43	56.24	28.35	-88.35	2,308.83	1,099.10	2,296.40	2,233.15	63.25	36.304		
5,700.00	4,900.49	4,037.00	3,611.73	57.48	28.98	-89.18	2,342.53	1,090.23	2,359.99	2,295.58	64.41	36.639		
5,800.00	4,982.02	4,093.98	3,658.05	58.71	29.59	-89.97	2,374.32	1,080.76	2,424.38	2,358.88	65.50	37.013		
5,900.00	5,063.55	4,164.94	3,715.84	59.95	30.34	-90.93	2,413.68	1,068.63	2,489.29	2,422.41	66.89	37.217		
6,000.00	5,145.08	4,253.59	3,787.98	61.18	31.28	-92.04	2,463.18	1,054.35	2,554.41	2,485.76	68.65	37.210		
6,100.00	5,226.60	4,567.62	4,045.18	62.42	34.46	-94.96	2,641.33	1,033.08	2,614.34	2,539.31	75.03	34.845		
6,200.00	5,308.13	4,627.13	4,094.03	63.65	35.04	-95.39	2,675.32	1,032.57	2,673.01	2,596.76	76.25	35.055		
6,300.00	5,389.66	4,697.00	4,151.29	64.89	35.73	-95.89	2,715.34	1,031.33	2,732.44	2,654.76	77.68	35.176		
6,400.00	5,471.19	4,733.75	4,181.41	66.12	36.10	-96.16	2,736.36	1,030.16	2,792.62	2,714.18	78.44	35.602		
6,500.00	5,552.72	4,792.00	4,229.23	67.36	36.69	-96.59	2,769.47	1,027.06	2,853.91	2,774.30	79.62	35.845		
6,600.00	5,634.24	4,826.62	4,257.66	68.59	37.04	-96.85	2,789.08	1,024.64	2,916.06	2,835.75	80.31	36.310		
6,700.00	5,715.77	4,886.00	4,306.32	69.83	37.65	-97.30	2,822.78	1,019.94	2,979.10	2,897.61	81.50	36.556		
6,800.00	5,797.30	4,991.31	4,392.45	71.06	38.73	-98.04	2,882.90	1,012.38	3,042.24	2,958.61	83.62	36.380		
6,900.00	5,878.83	5,046.24	4,437.40	72.30	39.30	-98.41	2,914.24	1,008.64	3,105.21	3,020.49	84.72	36.651		
7,000.00	5,960.35	5,101.86	4,482.99	73.53	39.87	-98.79	2,945.83	1,004.35	3,168.70	3,082.86	85.83	36.917		
7,100.00	6,041.88	5,152.46	4,524.46	74.77	40.39	-99.13	2,974.48	999.89	3,232.84	3,146.00	86.83	37.230		
7,200.00	6,123.41	5,197.13	4,561.04	76.01	40.85	-99.43	2,999.71	995.44	3,297.69	3,209.99	87.70	37.601		
7,300.00	6,204.94	5,238.31	4,594.77	77.24	41.28	-99.72	3,022.87	990.72	3,363.36	3,274.87	88.49	38.009		
7,400.00	6,286.46	5,280.95	4,629.67	78.48	41.73	-100.01	3,046.73	985.22	3,429.83	3,340.53	89.30	38.409		
7,500.00	6,367.99	5,326.88	4,667.28	79.71	42.21	-100.34	3,072.28	978.70	3,496.98	3,406.82	90.17	38.784		
7,600.00	6,449.52	5,378.36	4,709.44	80.95	42.75	-100.71	3,100.74	970.76	3,564.77	3,473.63	91.14	39.111		
7,700.00	6,531.05	5,429.88	4,751.84	82.19	43.28	-101.08	3,129.28	962.82	3,633.56	3,549.54	92.11	39.438		
7,800.00	6,612.57	5,482.39	4,794.24	83.42	43.80	-101.45	3,158.80	954.88	3,702.45	3,624.41	93.08	39.765		
7,900.00	6,694.10	5,534.90	4,836.64	84.66	44.32	-101.82	3,188.04	946.94	3,771.62	3,695.26	94.05	40.092		
8,000.00	6,775.63	5,587.41	4,879.04	85.89	44.84	-102.19	3,217.28	939.00	3,840.79	3,766.11	95.02	40.419		
8,100.00	6,857.16	5,640.00	4,921.44	87.13	45.36	-102.56	3,246.52	931.06	3,910.04	3,836.96	96.00	40.746		
8,200.00	6,938.68	5,692.59	4,963.84	88.37	45.88	-102.93	3,275.76	923.12	3,980.29	3,912.71	97.00	41.073		
8,300.00	7,020.21	5,745.18	5,006.24	89.60	46.40	-103.30	3,305.00	915.18	4,050.54	3,985.46	98.00	41.400		
8,310.57	7,028.83	5,753.14	5,014.86	89.73	46.48	-103.36	3,310.00	913.12	4,059.54	3,990.46	98.10	41.430		
8,350.00	7,060.23	5,785.39	5,046.26	90.25	46.80	-103.68	3,324.24	909.00	4,084.78	4,015.70	98.40	41.510		
8,400.00	7,097.77	5,817.90	5,078.77	90.98	47.12	-103.95	3,338.48	904.88	4,110.02	4,041.02	98.70	41.590		
8,450.00	7,132.48	5,850.41	5,111.28	91.79	47.44	-104.22	3,352.72	900.76	4,135.26	4,066.26	99.00	41.670		
8,500.00	7,164.10	5,882.92	5,143.68	92.67	47.76	-104.49	3,366.96	896.64	4,160.50	4,091.50	99.30	41.750		
8,550.00	7,192.40	5,915.43	5,176.09	93.63	48.08	-104.76	3,381.20	892.52	4,185.74	4,116.74	99.60	41.830		
8,600.00	7,217.15	5,947.94	5,208.50	94.64	48.40	-105.03	3,395.44	888.40	4,210.98	4,141.98	99.90	41.910		
8,650.00	7,238.16	5,980.45	5,240.91	95.70	48.72	-105.30	3,409.68	884.28	4,236.22	4,167.22	100.20	42.000		
8,700.00	7,255.29	6,012.96	5,273.32	96.80	49.04	-105.57	3,423.92	880.16	4,261.46	4,192.46	100.50	42.090		
8,750.00	7,268.39	6,045.47	5,305.73	97.92	49.36	-105.84	3,438.16	876.04	4,286.70	4,217.70	100.80	42.180		
8,800.00	7,277.37	6,077.98	5,338.14	99.06	49.68	-106.11	3,452.40	871.92	4,311.94	4,242.94	101.10	42.270		
8,836.47	7,281.27	6,090.49	5,350.55	99.89	49.80	-106.17	3,457.64	870.00	4,317.18	4,248.18	101.20	42.290		
8,850.00	7,282.15	6,095.00	5,355.06	100.20	49.88	-106.19	3,460.00	869.60	4,320.00	4,250.00	101.20	42.300		
8,881.61	7,283.00	6,100.00	5,359.91	100.91	50.00	-106.20	3,462.40	869.20	4,322.40	4,252.40	101.20	42.310		
8,900.00	7,283.00	6,105.00	5,364.82	101.33	50.00	-106.20	3,464.80	868.80	4,324.80	4,254.80	101.20	42.320		
9,000.00	7,283.00	6,110.00	5,369.73	103.59	50.00	-106.20	3,467.20	868.40	4,327.20	4,257.20	101.20	42.330		
9,100.00	7,283.00	6,115.00	5,374.64	105.87	50.00	-106.20	3,469.60	868.00	4,329.60	4,259.60	101.20	42.340		
9,155.20	7,283.00	6,120.00	5,379.55	107.14	50.00	-106.20	3,472.00	867.60	4,332.00	4,262.00	101.20	42.350		
9,200.00	7,283.00	6,125.00	5,384.46	108.18	50.00	-106.20	3,474.40	867.20	4,334.40	4,264.40	101.20	42.360		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 23-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,300.00	7,283.00	12,205.82	7,264.29	110.50	112.69	-90.45	4,846.69	4,793.77	3,319.24	3,102.94	216.30	15.345		
9,400.00	7,283.00	12,314.94	7,264.63	112.84	115.39	-90.46	4,848.05	4,902.87	3,320.33	3,098.93	221.40	14.997		
9,500.00	7,283.00	12,398.68	7,264.57	115.19	117.47	-90.46	4,849.00	4,986.61	3,321.32	3,095.08	226.23	14.681		
9,600.00	7,283.00	12,439.00	7,264.29	117.56	118.48	-90.45	4,849.71	5,026.92	3,323.31	3,092.76	230.55	14.415		
9,700.00	7,283.00	12,533.00	7,263.39	119.95	120.84	-90.44	4,852.99	5,120.86	3,326.62	3,091.10	235.52	14.124		
9,800.00	7,283.00	12,574.88	7,262.99	122.34	121.90	-90.43	4,855.13	5,162.68	3,331.14	3,091.32	239.82	13.890		
9,900.00	7,283.00	12,700.18	7,262.05	124.76	125.08	-90.41	4,861.26	5,287.82	3,335.86	3,090.62	245.24	13.603		
10,000.00	7,283.00	13,068.72	7,258.57	127.18	134.41	-90.35	4,859.56	5,656.19	3,332.74	3,079.44	253.30	13.157		
10,100.00	7,283.00	13,130.44	7,257.81	129.61	135.97	-90.34	4,857.62	5,717.87	3,329.48	3,071.40	258.08	12.901		
10,200.00	7,283.00	13,196.00	7,257.09	132.06	137.65	-90.33	4,856.69	5,783.42	3,327.73	3,064.84	262.89	12.658		
10,277.31	7,283.00	13,219.23	7,256.86	133.96	138.24	-90.32	4,856.67	5,806.65	3,327.28	3,060.97	266.31	12.494		
10,300.00	7,283.00	13,230.89	7,256.74	134.52	138.54	-90.32	4,856.72	5,818.31	3,327.33	3,059.98	267.35	12.445		
10,400.00	7,283.00	13,291.00	7,256.10	136.98	140.08	-90.31	4,857.58	5,878.41	3,328.49	3,056.44	272.05	12.235		
10,500.00	7,283.00	13,432.72	7,255.48	139.46	143.74	-90.30	4,859.57	6,020.11	3,329.83	3,052.14	277.69	11.991		
10,600.00	7,283.00	13,602.24	7,255.22	141.94	148.11	-90.30	4,858.55	6,189.63	3,329.01	3,045.42	283.58	11.739		
10,700.00	7,283.00	13,753.00	7,254.91	144.44	152.00	-90.29	4,855.32	6,340.35	3,326.80	3,037.57	289.23	11.502		
10,800.00	7,283.00	13,833.06	7,254.72	146.94	154.07	-90.29	4,853.00	6,420.37	3,323.75	3,029.49	294.25	11.296		
10,900.00	7,283.00	13,899.27	7,254.42	149.45	155.79	-90.28	4,851.64	6,486.57	3,321.56	3,022.41	299.15	11.103		
11,000.00	7,283.00	13,953.00	7,254.18	151.96	157.18	-90.28	4,851.11	6,540.29	3,320.49	3,016.60	303.90	10.926		
11,100.00	7,283.00	14,047.00	7,253.99	154.49	159.63	-90.28	4,851.17	6,634.29	3,320.38	3,011.33	309.05	10.744		
11,104.45	7,283.00	14,047.00	7,253.99	154.60	159.63	-90.28	4,851.17	6,634.29	3,320.38	3,011.15	309.23	10.737		
11,200.00	7,283.00	14,099.52	7,254.02	157.01	161.01	-90.28	4,851.73	6,686.81	3,321.16	3,007.43	313.74	10.586		
11,300.00	7,283.00	14,178.91	7,254.13	159.55	163.08	-90.28	4,853.34	6,766.19	3,322.99	3,004.28	318.71	10.426		
11,400.00	7,283.00	14,453.43	7,256.31	162.09	170.26	-90.32	4,852.18	7,040.64	3,322.52	2,996.79	325.73	10.200		
11,500.00	7,283.00	14,532.58	7,256.89	164.64	172.33	-90.33	4,849.97	7,119.75	3,319.56	2,988.76	330.80	10.035		
11,600.00	7,283.00	14,615.00	7,257.54	167.19	174.49	-90.34	4,848.19	7,202.16	3,317.23	2,981.33	335.90	9.876		
11,700.00	7,283.00	14,669.51	7,257.96	169.75	175.92	-90.34	4,847.53	7,256.66	3,315.84	2,975.11	340.73	9.732		
11,765.21	7,283.00	14,710.00	7,258.25	171.42	176.99	-90.35	4,847.48	7,297.15	3,315.63	2,971.73	343.90	9.641		
11,800.00	7,283.00	14,738.59	7,258.45	172.31	177.74	-90.35	4,847.58	7,325.74	3,315.69	2,970.02	345.66	9.592		
11,900.00	7,283.00	14,839.07	7,259.14	174.88	180.39	-90.37	4,847.94	7,426.21	3,315.88	2,964.95	350.93	9.449		
12,000.00	7,283.00	14,944.98	7,259.61	177.45	183.18	-90.37	4,848.22	7,532.12	3,315.98	2,959.72	356.27	9.308		
12,070.25	7,283.00	15,015.04	7,259.48	179.26	185.03	-90.37	4,848.29	7,602.18	3,315.94	2,955.96	359.97	9.212		
12,100.00	7,283.00	15,039.84	7,259.35	180.03	185.68	-90.37	4,848.35	7,626.98	3,315.96	2,954.47	361.49	9.173		
12,200.00	7,283.00	15,119.58	7,258.70	182.61	187.79	-90.36	4,848.82	7,706.72	3,316.38	2,949.83	366.55	9.048		
12,300.00	7,283.00	15,199.61	7,257.97	185.19	189.90	-90.34	4,849.88	7,786.73	3,317.52	2,945.91	371.60	8.928		
12,400.00	7,283.00	15,278.00	7,257.31	187.78	191.98	-90.33	4,850.96	7,865.12	3,318.83	2,942.21	376.62	8.812		
12,500.00	7,283.00	15,350.00	7,256.69	190.37	193.88	-90.32	4,852.49	7,937.10	3,320.92	2,939.38	381.54	8.704		
12,600.00	7,283.00	15,418.73	7,256.03	192.97	195.71	-90.31	4,854.98	8,005.78	3,324.33	2,937.94	386.39	8.604		
12,700.00	7,283.00	15,511.14	7,255.21	195.57	198.16	-90.30	4,858.87	8,098.10	3,328.37	2,936.79	391.57	8.500		
12,800.00	7,283.00	15,889.00	7,254.77	198.17	208.16	-90.29	4,856.88	8,475.62	3,326.16	2,926.35	399.81	8.319		
12,900.00	7,283.00	15,889.00	7,254.77	200.77	208.16	-90.29	4,856.88	8,475.62	3,323.34	2,918.99	404.36	8.219		
12,943.95	7,283.00	15,889.00	7,254.77	201.92	208.16	-90.29	4,856.88	8,475.62	3,323.06	2,916.80	406.25	8.180		
13,000.00	7,283.00	15,889.00	7,254.77	203.38	208.16	-90.29	4,856.88	8,475.62	3,323.53	2,914.96	408.58	8.134		
13,100.00	7,283.00	15,889.00	7,254.77	205.99	208.16	-90.29	4,856.88	8,475.62	3,326.73	2,914.28	412.45	8.066		
13,200.00	7,283.00	15,889.00	7,254.77	208.61	208.16	-90.29	4,856.88	8,475.62	3,332.93	2,916.96	415.97	8.012		
13,300.00	7,283.00	15,889.00	7,254.77	211.22	208.16	-90.29	4,856.88	8,475.62	3,342.10	2,922.97	419.13	7.974		
13,400.00	7,283.00	15,889.00	7,254.77	213.84	208.16	-90.29	4,856.88	8,475.62	3,354.24	2,932.31	421.93	7.950		
13,500.00	7,283.00	15,889.00	7,254.77	216.47	208.16	-90.29	4,856.88	8,475.62	3,369.30	2,944.93	424.37	7.940 SF		
13,600.00	7,283.00	15,889.00	7,254.77	219.09	208.16	-90.29	4,856.88	8,475.62	3,387.25	2,960.80	426.45	7.943		
13,700.00	7,283.00	15,889.00	7,254.77	221.72	208.16	-90.29	4,856.88	8,475.62	3,408.03	2,979.86	428.17	7.960		
13,800.00	7,283.00	15,889.00	7,254.77	224.34	208.16	-90.29	4,856.88	8,475.62	3,431.61	3,002.06	429.55	7.989		
13,900.00	7,283.00	15,889.00	7,254.77	226.97	208.16	-90.29	4,856.88	8,475.62	3,457.92	3,027.33	430.59	8.031		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 23-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,000.00	7,283.00	15,889.00	7,254.77	229.61	208.16	-90.29	4,856.88	8,475.62	3,486.90	3,055.59	431.31	8.084		
14,100.00	7,283.00	15,889.00	7,254.77	232.24	208.16	-90.29	4,856.88	8,475.62	3,518.48	3,086.76	431.73	8.150		
14,200.00	7,283.00	15,889.00	7,254.77	234.88	208.16	-90.29	4,856.88	8,475.62	3,552.60	3,120.76	431.85	8.227		
14,300.00	7,283.00	15,889.00	7,254.77	237.52	208.16	-90.29	4,856.88	8,475.62	3,589.19	3,157.50	431.69	8.314		
14,400.00	7,283.00	15,889.00	7,254.77	240.16	208.16	-90.29	4,856.88	8,475.62	3,628.16	3,196.88	431.27	8.413		
14,500.00	7,283.00	15,889.00	7,254.77	242.80	208.16	-90.29	4,856.88	8,475.62	3,669.44	3,238.83	430.61	8.521		
14,600.00	7,283.00	15,889.00	7,254.77	245.44	208.16	-90.29	4,856.88	8,475.62	3,712.95	3,283.23	429.73	8.640		
14,700.00	7,283.00	15,889.00	7,254.77	248.09	208.16	-90.29	4,856.88	8,475.62	3,758.63	3,329.99	428.64	8.769		
14,800.00	7,283.00	15,889.00	7,254.77	250.74	208.16	-90.29	4,856.88	8,475.62	3,806.38	3,379.02	427.36	8.907		
14,900.00	7,283.00	15,889.00	7,254.77	253.38	208.16	-90.29	4,856.88	8,475.62	3,856.14	3,430.23	425.91	9.054		
15,000.00	7,283.00	15,889.00	7,254.77	256.03	208.16	-90.29	4,856.88	8,475.62	3,907.82	3,483.52	424.30	9.210		
15,100.00	7,283.00	15,889.00	7,254.77	258.69	208.16	-90.29	4,856.88	8,475.62	3,961.35	3,538.80	422.56	9.375		
15,200.00	7,283.00	15,889.00	7,254.77	261.34	208.16	-90.29	4,856.88	8,475.62	4,016.66	3,595.97	420.69	9.548		
15,300.00	7,283.00	15,889.00	7,254.77	263.99	208.16	-90.29	4,856.88	8,475.62	4,073.68	3,654.96	418.72	9.729		
15,400.00	7,283.00	15,889.00	7,254.77	266.65	208.16	-90.29	4,856.88	8,475.62	4,132.33	3,715.68	416.65	9.918		
15,500.00	7,283.00	15,889.00	7,254.77	269.31	208.16	-90.29	4,856.88	8,475.62	4,192.54	3,778.04	414.50	10.115		
15,600.00	7,283.00	15,889.00	7,254.77	271.96	208.16	-90.29	4,856.88	8,475.62	4,254.25	3,841.97	412.27	10.319		
15,700.00	7,283.00	15,889.00	7,254.77	274.62	208.16	-90.29	4,856.88	8,475.62	4,317.39	3,907.40	409.99	10.530		
15,800.00	7,283.00	15,889.00	7,254.77	277.28	208.16	-90.29	4,856.88	8,475.62	4,381.91	3,974.25	407.66	10.749		
15,900.00	7,283.00	15,889.00	7,254.77	279.94	208.16	-90.29	4,856.88	8,475.62	4,447.74	4,042.44	405.30	10.974		
16,000.00	7,283.00	15,889.00	7,254.77	282.61	208.16	-90.29	4,856.88	8,475.62	4,514.83	4,111.93	402.90	11.206		
16,100.00	7,283.00	15,889.00	7,254.77	285.27	208.16	-90.29	4,856.88	8,475.62	4,583.11	4,182.63	400.48	11.444		
16,200.00	7,283.00	15,889.00	7,254.77	287.94	208.16	-90.29	4,856.88	8,475.62	4,652.55	4,254.50	398.04	11.688		
16,300.00	7,283.00	15,889.00	7,254.77	290.60	208.16	-90.29	4,856.88	8,475.62	4,723.08	4,327.47	395.60	11.939		
16,400.00	7,283.00	15,889.00	7,254.77	293.27	208.16	-90.29	4,856.88	8,475.62	4,794.65	4,401.50	393.16	12.195		
16,500.00	7,283.00	15,889.00	7,254.77	295.94	208.16	-90.29	4,856.88	8,475.62	4,867.23	4,476.52	390.71	12.457		
16,600.00	7,283.00	15,889.00	7,254.77	298.60	208.16	-90.29	4,856.88	8,475.62	4,940.77	4,552.50	388.27	12.725		
16,700.00	7,283.00	15,889.00	7,254.77	301.27	208.16	-90.29	4,856.88	8,475.62	5,015.23	4,629.38	385.85	12.998		
16,800.00	7,283.00	15,889.00	7,254.77	303.94	208.16	-90.29	4,856.88	8,475.62	5,090.55	4,707.12	383.44	13.276		
16,900.00	7,283.00	15,889.00	7,254.77	306.62	208.16	-90.29	4,856.88	8,475.62	5,166.72	4,785.67	381.05	13.559		
17,000.00	7,283.00	15,889.00	7,254.77	309.29	208.16	-90.29	4,856.88	8,475.62	5,243.69	4,865.01	378.68	13.847		
17,100.00	7,283.00	15,889.00	7,254.77	311.96	208.16	-90.29	4,856.88	8,475.62	5,321.42	4,945.09	376.33	14.140		
17,200.00	7,283.00	15,889.00	7,254.77	314.63	208.16	-90.29	4,856.88	8,475.62	5,399.89	5,025.88	374.01	14.438		
17,300.00	7,283.00	15,889.00	7,254.77	317.31	208.16	-90.29	4,856.88	8,475.62	5,479.06	5,107.34	371.71	14.740		
17,400.00	7,283.00	15,889.00	7,254.77	319.98	208.16	-90.29	4,856.88	8,475.62	5,558.89	5,189.45	369.45	15.046		
17,500.00	7,283.00	15,889.00	7,254.77	322.66	208.16	-90.29	4,856.88	8,475.62	5,639.38	5,272.16	367.21	15.357		
17,600.00	7,283.00	15,889.00	7,254.77	325.34	208.16	-90.29	4,856.88	8,475.62	5,720.47	5,355.46	365.01	15.672		
17,700.00	7,283.00	15,889.00	7,254.77	328.01	208.16	-90.29	4,856.88	8,475.62	5,802.16	5,439.32	362.84	15.991		
17,800.00	7,283.00	15,889.00	7,254.77	330.69	208.16	-90.29	4,856.88	8,475.62	5,884.42	5,523.71	360.70	16.314		
17,900.00	7,283.00	15,889.00	7,254.77	333.37	208.16	-90.29	4,856.88	8,475.62	5,967.21	5,608.61	358.60	16.640		
18,000.00	7,283.00	15,889.00	7,254.77	336.05	208.16	-90.29	4,856.88	8,475.62	6,050.53	5,694.00	356.53	16.971		
18,100.00	7,283.00	15,889.00	7,254.77	338.73	208.16	-90.29	4,856.88	8,475.62	6,134.34	5,779.85	354.49	17.305		
18,200.00	7,283.00	15,889.00	7,254.77	341.41	208.16	-90.29	4,856.88	8,475.62	6,218.63	5,866.14	352.49	17.642		
18,300.00	7,283.00	15,889.00	7,254.77	344.09	208.16	-90.29	4,856.88	8,475.62	6,303.38	5,952.86	350.52	17.983		
18,400.00	7,283.00	15,889.00	7,254.77	346.77	208.16	-90.29	4,856.88	8,475.62	6,388.58	6,039.99	348.59	18.327		
18,500.00	7,283.00	15,889.00	7,254.77	349.46	208.16	-90.29	4,856.88	8,475.62	6,474.19	6,127.50	346.69	18.674		
18,600.00	7,283.00	15,889.00	7,254.77	352.14	208.16	-90.29	4,856.88	8,475.62	6,560.22	6,215.39	344.83	19.025		
18,700.00	7,283.00	15,889.00	7,254.77	354.82	208.16	-90.29	4,856.88	8,475.62	6,646.63	6,303.63	342.99	19.378		
18,800.00	7,283.00	15,889.00	7,254.77	357.51	208.16	-90.29	4,856.88	8,475.62	6,733.42	6,392.22	341.20	19.735		
18,900.00	7,283.00	15,889.00	7,254.77	360.19	208.16	-90.29	4,856.88	8,475.62	6,820.57	6,481.14	339.43	20.094		
19,000.00	7,283.00	15,889.00	7,254.77	362.88	208.16	-90.29	4,856.88	8,475.62	6,908.07	6,570.37	337.70	20.456		
19,100.00	7,283.00	15,889.00	7,254.77	365.56	208.16	-90.29	4,856.88	8,475.62	6,995.91	6,659.90	336.00	20.821		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design		Sec 3-T4N-R68W - EXIST HZ FLASCHENRIEM 2 - OWB - FINAL SURVEY										Offset Site Error:	0.00 usft
Survey Program:		23-MWD OWSG										Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
19,200.00	7,283.00	15,889.00	7,254.77	368.25	208.16	-90.29	4,856.88	8,475.62	7,084.07	6,749.73	334.34	21.188	
19,247.68	7,283.00	15,889.00	7,254.77	369.53	208.16	-90.29	4,856.88	8,475.62	7,126.21	6,792.65	333.55	21.364	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 23-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	55.86	55.86	0.27	0.12	58.96	855.03	1,420.74	1,658.18	1,657.80	0.39	4,288.161		
200.00	200.00	158.53	158.53	0.63	0.49	58.97	854.73	1,420.76	1,658.05	1,656.94	1.11	1,489.200		
300.00	299.98	263.12	263.12	0.98	0.86	-10.64	854.03	1,420.79	1,656.02	1,654.18	1.84	897.955		
400.00	399.84	368.79	368.78	1.34	1.24	-10.66	852.67	1,420.76	1,650.18	1,647.60	2.58	638.571		
500.00	499.45	472.62	472.59	1.71	1.61	-10.71	851.22	1,420.45	1,640.65	1,637.33	3.32	493.906		
600.00	598.70	564.72	564.69	2.10	1.94	-10.81	850.25	1,419.96	1,627.69	1,623.68	4.01	405.756		
700.00	697.47	651.89	651.84	2.51	2.24	-11.02	851.38	1,418.95	1,612.01	1,607.32	4.68	344.174		
800.00	795.62	738.45	738.33	2.95	2.54	-11.34	854.61	1,417.39	1,593.67	1,588.31	5.36	297.374		
900.00	893.06	824.23	823.92	3.43	2.84	-11.77	859.86	1,415.30	1,572.74	1,566.70	6.04	260.464		
1,000.00	989.64	904.28	903.64	3.95	3.12	-12.30	866.64	1,412.90	1,549.32	1,542.61	6.71	230.969		
1,100.00	1,085.27	974.95	973.85	4.52	3.37	-12.88	874.42	1,410.85	1,524.10	1,516.74	7.36	207.073		
1,200.00	1,179.82	1,068.00	1,065.96	5.14	3.71	-13.76	887.36	1,408.46	1,497.58	1,489.47	8.11	184.727		
1,300.00	1,273.17	1,122.01	1,119.23	5.81	3.92	-14.43	896.16	1,407.08	1,468.96	1,460.22	8.74	168.139		
1,400.00	1,365.21	1,204.03	1,199.87	6.54	4.25	-15.49	910.96	1,404.65	1,438.51	1,429.00	9.50	151.408		
1,500.00	1,455.84	1,285.82	1,280.02	7.33	4.59	-16.70	927.00	1,401.86	1,405.87	1,395.57	10.30	136.520		
1,600.00	1,544.94	1,362.40	1,354.70	8.19	4.93	-18.03	943.62	1,398.71	1,371.34	1,360.23	11.11	123.407		
1,700.00	1,632.39	1,431.03	1,421.24	9.12	5.24	-19.43	960.14	1,395.60	1,335.49	1,323.55	11.94	111.870		
1,800.00	1,718.11	1,504.30	1,491.91	10.11	5.59	-21.08	979.20	1,392.20	1,298.55	1,285.71	12.84	101.154		
1,900.00	1,801.97	1,577.83	1,562.50	11.18	5.98	-22.94	999.45	1,388.52	1,260.39	1,246.58	13.81	91.244		
1,969.27	1,858.92	1,626.79	1,609.09	11.96	6.24	-24.35	1,014.16	1,385.32	1,233.42	1,218.90	14.52	84.923		
2,000.00	1,883.98	1,648.00	1,629.15	12.31	6.36	-24.90	1,020.85	1,383.73	1,221.50	1,206.65	14.85	82.273		
2,100.00	1,965.50	1,716.25	1,693.20	13.48	6.74	-26.77	1,043.66	1,377.82	1,184.42	1,168.47	15.95	74.280		
2,200.00	2,047.03	1,785.00	1,756.84	14.65	7.16	-28.83	1,068.58	1,370.47	1,150.25	1,133.10	17.14	67.091		
2,300.00	2,128.56	1,850.95	1,816.99	15.84	7.60	-30.97	1,094.23	1,361.94	1,119.39	1,100.96	18.43	60.739		
2,400.00	2,210.09	1,917.11	1,876.37	17.03	8.06	-33.29	1,121.57	1,351.75	1,092.30	1,072.49	19.81	55.138		
2,500.00	2,291.61	1,974.00	1,926.55	18.23	8.48	-35.41	1,146.32	1,341.46	1,069.52	1,048.35	21.17	50.516		
2,600.00	2,373.14	2,029.18	1,974.46	19.44	8.94	-37.55	1,171.48	1,330.70	1,052.05	1,029.46	22.58	46.584		
2,700.00	2,454.67	2,078.09	2,016.34	20.64	9.35	-39.50	1,194.81	1,321.01	1,040.65	1,016.73	23.92	43.507		
2,800.00	2,536.20	2,125.99	2,056.81	21.86	9.75	-41.44	1,218.57	1,311.39	1,035.61	1,010.40	25.22	41.068		
2,814.00	2,547.61	2,132.62	2,062.36	22.03	9.81	-41.71	1,221.93	1,310.05	1,035.43	1,010.03	25.39	40.774 CC, ES		
2,900.00	2,617.72	2,176.38	2,098.78	23.07	10.19	-43.50	1,244.50	1,301.15	1,037.10	1,010.58	26.52	39.111		
3,000.00	2,699.25	2,239.65	2,151.24	24.29	10.77	-46.09	1,277.52	1,288.46	1,044.44	1,016.44	28.00	37.303		
3,100.00	2,780.78	2,302.33	2,203.18	25.50	11.35	-48.61	1,310.41	1,276.26	1,057.18	1,027.74	29.43	35.921		
3,200.00	2,862.31	2,365.45	2,255.46	26.73	11.95	-51.10	1,343.78	1,264.53	1,075.12	1,044.29	30.82	34.880		
3,300.00	2,943.83	2,428.98	2,308.01	27.95	12.56	-53.55	1,377.62	1,253.13	1,097.94	1,065.76	32.18	34.119		
3,400.00	3,025.36	2,496.79	2,364.02	29.17	13.21	-56.09	1,413.92	1,241.25	1,125.23	1,091.65	33.58	33.510		
3,500.00	3,106.89	2,566.51	2,421.66	30.40	13.89	-58.64	1,451.25	1,229.15	1,156.42	1,121.44	34.98	33.056		
3,600.00	3,188.42	2,637.66	2,480.57	31.62	14.59	-61.13	1,489.34	1,217.28	1,191.11	1,154.72	36.39	32.730		
3,700.00	3,269.94	2,709.99	2,540.57	32.85	15.30	-63.56	1,528.09	1,205.82	1,228.91	1,191.10	37.80	32.507		
3,800.00	3,351.47	2,779.65	2,598.40	34.07	15.98	-65.79	1,565.48	1,195.41	1,269.51	1,230.36	39.15	32.426		
3,900.00	3,433.00	2,850.33	2,657.04	35.30	16.68	-67.93	1,603.72	1,185.61	1,312.74	1,272.23	40.51	32.405		
4,000.00	3,514.53	2,924.33	2,718.42	36.53	17.40	-70.05	1,643.96	1,176.27	1,358.13	1,316.20	41.94	32.386		
4,100.00	3,596.05	2,995.99	2,777.84	37.76	18.11	-71.97	1,683.16	1,167.97	1,405.45	1,362.13	43.31	32.448		
4,200.00	3,677.58	3,064.35	2,851.14	38.99	18.97	-74.18	1,731.67	1,159.06	1,454.19	1,409.15	45.04	32.288		
4,300.00	3,759.11	3,163.41	2,916.88	40.22	19.73	-75.98	1,775.17	1,152.96	1,503.70	1,457.12	46.58	32.283		
4,400.00	3,840.64	3,237.19	2,978.01	41.45	20.44	-77.53	1,816.24	1,148.44	1,554.45	1,506.43	48.02	32.371		
4,500.00	3,922.16	3,310.04	3,038.26	42.68	21.15	-78.98	1,856.97	1,144.13	1,606.39	1,556.94	49.45	32.486		
4,600.00	4,003.69	3,384.33	3,099.66	43.91	21.87	-80.38	1,898.54	1,139.67	1,659.39	1,608.47	50.91	32.594		
4,700.00	4,085.22	3,457.38	3,160.05	45.15	22.59	-81.71	1,939.38	1,135.05	1,713.33	1,660.98	52.35	32.727		
4,800.00	4,166.75	3,524.42	3,215.51	46.38	23.25	-82.88	1,976.76	1,130.31	1,768.27	1,714.61	53.67	32.948		
4,900.00	4,248.27	3,579.00	3,260.67	47.61	23.79	-83.83	2,007.05	1,125.67	1,824.46	1,769.73	54.72	33.339		
5,000.00	4,329.80	3,646.31	3,316.35	48.84	24.46	-84.97	2,044.25	1,118.87	1,881.86	1,825.82	56.04	33.581		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 23-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,411.33	3,715.73	3,373.74	50.08	25.16	-86.13	2,082.51	1,110.94	1,940.43	1,883.03	57.40	33.808		
5,200.00	4,492.86	3,795.83	3,439.89	51.31	25.97	-87.38	2,126.87	1,102.47	1,999.48	1,940.50	58.98	33.902		
5,300.00	4,574.38	3,872.94	3,503.60	52.54	26.74	-88.51	2,169.61	1,094.79	2,058.86	1,998.36	60.50	34.031		
5,400.00	4,655.91	3,935.37	3,555.07	53.78	27.37	-89.38	2,204.41	1,088.65	2,118.93	2,057.21	61.72	34.333		
5,500.00	4,737.44	4,002.86	3,610.53	55.01	28.06	-90.27	2,242.26	1,081.92	2,179.79	2,116.74	63.04	34.577		
5,600.00	4,818.97	4,072.74	3,668.00	56.24	28.77	-91.16	2,281.37	1,074.67	2,241.19	2,176.78	64.42	34.793		
5,700.00	4,900.49	4,142.41	3,725.35	57.48	29.48	-92.03	2,320.20	1,067.11	2,303.10	2,237.32	65.78	35.011		
5,800.00	4,982.02	4,245.45	3,810.49	58.71	30.53	-93.24	2,377.19	1,056.16	2,365.01	2,297.16	67.84	34.860		
5,900.00	5,063.55	4,365.03	3,909.79	59.95	31.72	-94.52	2,442.98	1,045.66	2,426.14	2,355.90	70.24	34.543		
6,000.00	5,145.08	4,457.81	3,986.79	61.18	32.64	-95.38	2,494.47	1,040.46	2,486.16	2,414.07	72.09	34.488		
6,100.00	5,226.60	4,522.00	4,039.85	62.42	33.27	-95.95	2,530.38	1,036.63	2,546.93	2,473.57	73.36	34.717		
6,200.00	5,308.13	4,573.18	4,082.21	63.65	33.78	-96.40	2,558.87	1,032.90	2,608.42	2,534.05	74.36	35.077		
6,300.00	5,389.66	4,637.45	4,135.70	64.89	34.42	-96.99	2,594.05	1,027.28	2,670.41	2,594.79	75.62	35.312		
6,400.00	5,471.19	4,695.22	4,183.67	66.12	35.00	-97.49	2,625.80	1,021.96	2,733.04	2,656.29	76.75	35.611		
6,500.00	5,552.72	4,756.53	4,234.38	67.36	35.62	-98.01	2,659.77	1,016.18	2,796.28	2,718.34	77.94	35.876		
6,600.00	5,634.24	4,825.14	4,291.11	68.59	36.32	-98.58	2,697.74	1,009.32	2,860.01	2,780.72	79.29	36.071		
6,700.00	5,715.77	4,912.97	4,363.71	69.83	37.21	-99.26	2,746.47	1,001.07	2,923.70	2,842.66	81.03	36.080		
6,800.00	5,797.30	4,978.81	4,418.07	71.06	37.88	-99.74	2,783.13	995.07	2,987.53	2,905.20	82.33	36.288		
6,900.00	5,878.83	5,051.80	4,478.29	72.30	38.62	-100.26	2,823.82	988.32	3,051.65	2,967.88	83.77	36.429		
7,000.00	5,960.35	5,127.26	4,540.59	73.53	39.39	-100.78	2,865.81	981.31	3,115.90	3,030.64	85.26	36.545		
7,100.00	6,041.88	5,203.75	4,603.77	74.77	40.16	-101.29	2,908.36	974.25	3,180.24	3,093.46	86.77	36.649		
7,200.00	6,123.41	5,277.00	4,664.36	76.01	40.91	-101.76	2,948.95	967.44	3,244.62	3,156.40	88.22	36.779		
7,300.00	6,204.94	5,344.21	4,719.97	77.24	41.59	-102.17	2,986.16	961.08	3,309.22	3,219.68	89.54	36.959		
7,400.00	6,286.46	5,406.58	4,771.51	78.48	42.22	-102.55	3,020.74	954.96	3,374.18	3,283.43	90.76	37.178		
7,500.00	6,367.99	5,467.00	4,823.33	79.71	42.83	-102.91	3,058.11	948.81	3,437.76	3,346.73	92.03	37.423		
7,600.00	6,449.52	5,527.47	4,875.11	80.95	43.42	-103.17	3,095.81	942.66	3,499.84	3,408.84	93.26	37.674		
7,700.00	6,531.05	5,587.94	4,926.78	82.19	44.00	-103.42	3,133.16	936.51	3,561.42	3,469.94	94.44	37.931		
7,800.00	6,612.57	5,648.41	4,977.45	83.42	44.57	-103.67	3,170.16	930.36	3,622.50	3,530.04	95.57	38.194		
7,900.00	6,694.10	5,708.88	5,027.52	84.66	45.13	-103.91	3,206.81	924.21	3,683.08	3,589.16	96.65	38.462		
8,000.00	6,775.63	5,768.35	5,077.59	85.89	45.68	-104.15	3,243.01	918.06	3,743.16	3,647.26	97.69	38.734		
8,100.00	6,857.16	5,827.82	5,127.06	87.13	46.22	-104.38	3,278.76	911.91	3,802.74	3,704.34	98.68	39.010		
8,200.00	6,938.68	5,887.29	5,176.53	88.37	46.76	-104.61	3,314.06	905.76	3,861.82	3,763.42	99.62	39.289		
8,300.00	7,020.21	5,946.76	5,225.50	89.60	47.29	-104.84	3,348.91	899.61	3,920.40	3,821.50	100.52	39.571		
8,310.57	7,028.83	5,955.23	5,233.57	89.73	47.37	-104.87	3,354.49	898.31	3,926.98	3,827.08	100.60	39.587		
8,350.00	7,060.23	5,987.16	5,264.50	90.25	47.77	-104.97	3,370.41	895.81	3,942.90	3,843.00	100.88	39.643		
8,400.00	7,097.77	6,018.60	5,295.43	90.98	48.16	-105.07	3,385.83	893.31	3,958.32	3,857.42	101.16	39.699		
8,450.00	7,132.48	6,050.07	5,326.36	91.79	48.55	-105.17	3,400.85	890.81	3,973.34	3,871.44	101.44	39.755		
8,500.00	7,164.10	6,081.50	5,356.79	92.67	48.93	-105.27	3,415.47	888.31	3,987.96	3,885.06	101.72	39.811		
8,550.00	7,192.40	6,112.93	5,387.22	93.63	49.31	-105.37	3,429.69	885.81	3,999.96	3,897.06	101.99	39.867		
8,600.00	7,217.15	6,144.36	5,417.65	94.64	49.68	-105.47	3,443.51	883.31	4,011.46	3,908.06	102.27	39.923		
8,650.00	7,238.16	6,175.79	5,447.68	95.70	50.06	-105.57	3,456.93	880.81	4,022.46	3,918.06	102.55	39.979		
8,700.00	7,255.29	6,207.22	5,477.71	96.80	50.43	-105.67	3,470.05	878.31	4,032.46	3,928.06	102.83	40.035		
8,750.00	7,268.39	6,238.65	5,507.74	97.92	50.81	-105.77	3,482.77	875.81	4,042.46	3,938.06	103.11	40.091		
8,797.68	7,277.04	6,269.08	5,537.77	99.01	51.19	-105.87	3,495.19	873.31	4,052.46	3,948.06	103.39	40.147		
8,800.00	7,277.37	6,299.51	5,567.80	99.06	51.27	-105.88	3,496.41	873.06	4,053.68	3,949.28	103.41	40.150		
8,821.49	7,279.94	6,320.94	5,588.23	99.55	51.65	-105.98	3,508.83	870.56	4,063.68	3,959.28	103.69	40.206		
8,850.00	7,282.15	6,351.37	5,618.26	100.20	52.03	-106.08	3,520.95	868.06	4,073.68	3,969.28	103.97	40.262		
8,881.61	7,283.00	6,381.80	5,648.29	100.91	52.41	-106.18	3,532.77	865.56	4,083.68	3,979.28	104.25	40.318		
8,900.00	7,283.00	6,412.23	5,678.32	101.33	52.79	-106.28	3,544.19	863.06	4,093.68	3,989.28	104.53	40.374		
9,000.00	7,283.00	6,442.66	5,708.35	103.59	53.17	-106.38	3,556.11	860.56	4,103.68	3,999.28	104.81	40.430		
9,100.00	7,283.00	6,473.09	5,738.38	105.87	53.55	-106.48	3,567.53	858.06	4,113.68	4,009.28	105.09	40.486		
9,200.00	7,283.00	6,503.52	5,768.41	108.18	53.93	-106.58	3,578.95	855.56	4,123.68	4,019.28	105.37	40.542		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T4N-R68W - EXIST HZ FLASCHENRIEM 3 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 23-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,300.00	7,283.00	12,006.26	7,118.63	110.50	112.70	-87.76	4,585.83	4,835.36	3,060.31	2,843.50	216.81	14.115		
9,305.40	7,283.00	12,008.66	7,118.64	110.62	112.76	-87.76	4,585.83	4,837.77	3,060.31	2,843.26	217.05	14.100		
9,400.00	7,283.00	12,072.00	7,118.96	112.84	114.35	-87.77	4,586.76	4,901.10	3,061.28	2,839.84	221.45	13.824		
9,500.00	7,283.00	12,101.44	7,119.08	115.19	115.09	-87.77	4,587.69	4,930.52	3,063.69	2,838.03	225.66	13.577		
9,600.00	7,283.00	12,166.00	7,119.27	117.56	116.72	-87.78	4,590.48	4,995.02	3,067.74	2,837.49	230.25	13.324		
9,700.00	7,283.00	12,217.90	7,119.41	119.95	118.04	-87.78	4,593.42	5,046.84	3,073.12	2,838.47	234.65	13.097		
9,800.00	7,283.00	12,413.50	7,119.33	122.34	123.01	-87.79	4,602.25	5,242.20	3,077.34	2,836.41	240.93	12.773		
9,900.00	7,283.00	13,018.00	7,120.08	124.76	138.23	-87.78	4,568.61	5,843.68	3,069.06	2,819.74	249.32	12.310		
10,000.00	7,283.00	13,064.11	7,120.14	127.18	139.38	-87.77	4,562.40	5,889.37	3,056.02	2,801.72	254.30	12.017		
10,100.00	7,283.00	13,112.00	7,120.23	129.61	140.59	-87.77	4,557.85	5,937.04	3,045.74	2,786.49	259.26	11.748		
10,200.00	7,283.00	13,138.02	7,120.28	132.06	141.26	-87.77	4,555.91	5,962.99	3,037.25	2,773.17	264.09	11.501		
10,300.00	7,283.00	13,207.00	7,120.38	134.52	143.02	-87.77	4,550.85	6,031.78	3,029.88	2,760.81	269.07	11.261		
10,400.00	7,283.00	13,256.59	7,120.42	136.98	144.30	-87.77	4,547.87	6,081.28	3,023.92	2,750.00	273.92	11.039		
10,500.00	7,283.00	13,301.00	7,120.45	139.46	145.44	-87.77	4,546.25	6,125.66	3,020.00	2,741.31	278.69	10.836		
10,600.00	7,283.00	13,352.32	7,120.48	141.94	146.78	-87.77	4,545.27	6,176.98	3,017.82	2,734.37	283.46	10.647		
10,688.21	7,283.00	13,396.00	7,120.53	144.14	147.91	-87.77	4,544.93	6,220.65	3,017.08	2,729.48	287.60	10.491		
10,700.00	7,283.00	13,396.00	7,120.53	144.44	147.91	-87.77	4,544.93	6,220.65	3,017.10	2,729.01	288.09	10.473		
10,800.00	7,283.00	13,454.69	7,120.64	146.94	149.44	-87.77	4,545.41	6,279.34	3,017.93	2,725.11	292.82	10.306		
10,900.00	7,283.00	13,511.92	7,120.83	149.45	150.94	-87.78	4,547.06	6,336.54	3,020.53	2,723.04	297.49	10.153		
11,000.00	7,283.00	13,773.80	7,120.69	151.96	157.80	-87.78	4,550.14	6,598.36	3,022.38	2,717.97	304.41	9.929		
11,100.00	7,283.00	13,827.58	7,120.53	154.49	159.21	-87.77	4,549.45	6,652.13	3,020.95	2,711.73	309.21	9.770		
11,134.00	7,283.00	13,845.55	7,120.48	155.35	159.68	-87.77	4,549.41	6,670.10	3,020.81	2,709.98	310.83	9.718		
11,200.00	7,283.00	13,870.00	7,120.42	157.01	160.32	-87.77	4,549.50	6,694.55	3,021.11	2,707.27	313.84	9.626		
11,300.00	7,283.00	13,964.00	7,120.09	159.55	162.79	-87.76	4,550.85	6,788.54	3,022.40	2,703.40	319.00	9.475		
11,400.00	7,283.00	14,093.50	7,119.76	162.09	166.19	-87.76	4,551.97	6,918.03	3,023.02	2,698.47	324.56	9.314		
11,500.00	7,283.00	14,153.00	7,119.45	164.64	167.76	-87.75	4,552.68	6,977.52	3,024.12	2,694.77	329.34	9.182		
11,600.00	7,283.00	14,194.34	7,119.21	167.19	168.85	-87.75	4,553.85	7,018.84	3,026.86	2,693.03	333.83	9.067		
11,700.00	7,283.00	14,248.00	7,119.02	169.75	170.27	-87.75	4,556.69	7,072.43	3,031.71	2,693.31	338.40	8.959		
11,800.00	7,283.00	14,294.12	7,118.95	172.31	171.48	-87.75	4,559.89	7,118.44	3,038.15	2,695.39	342.76	8.864		
11,900.00	7,283.00	14,374.14	7,118.91	174.88	173.60	-87.75	4,565.99	7,198.23	3,045.59	2,697.94	347.65	8.761		
12,000.00	7,283.00	14,558.01	7,118.51	177.45	178.46	-87.75	4,578.02	7,381.61	3,052.03	2,697.75	354.28	8.615		
12,100.00	7,283.00	14,627.00	7,118.45	180.03	180.28	-87.76	4,582.30	7,450.54	3,057.88	2,698.83	359.05	8.517		
12,200.00	7,283.00	15,100.00	7,116.29	182.61	192.76	-87.72	4,584.97	7,922.57	3,060.37	2,692.40	367.96	8.317		
12,300.00	7,283.00	15,158.30	7,116.20	185.19	194.30	-87.71	4,581.84	7,980.78	3,054.83	2,681.74	373.08	8.188		
12,400.00	7,283.00	15,232.80	7,115.97	187.78	196.27	-87.71	4,578.80	8,055.22	3,050.55	2,672.31	378.25	8.065		
12,500.00	7,283.00	15,314.97	7,115.70	190.37	198.44	-87.70	4,575.68	8,137.33	3,046.64	2,663.20	383.44	7.946		
12,600.00	7,283.00	15,383.00	7,115.77	192.97	200.25	-87.70	4,574.00	8,205.34	3,043.91	2,655.39	388.53	7.834		
12,700.00	7,283.00	15,436.16	7,115.97	195.57	201.66	-87.70	4,573.39	8,258.49	3,042.44	2,648.99	393.45	7.733		
12,800.00	7,283.00	15,512.86	7,116.24	198.17	203.70	-87.71	4,573.29	8,335.19	3,042.09	2,643.56	398.53	7.633		
12,900.00	7,283.00	15,655.00	7,116.19	200.77	207.48	-87.70	4,572.16	8,477.32	3,041.06	2,636.83	404.23	7.523		
12,944.00	7,283.00	15,655.00	7,116.19	201.92	207.48	-87.70	4,572.16	8,477.32	3,040.73	2,634.57	406.16	7.486		
13,000.00	7,283.00	15,655.00	7,116.19	203.38	207.48	-87.70	4,572.16	8,477.32	3,041.23	2,632.71	408.51	7.445		
13,100.00	7,283.00	15,655.00	7,116.19	205.99	207.48	-87.70	4,572.16	8,477.32	3,044.68	2,632.29	412.39	7.383		
13,200.00	7,283.00	15,655.00	7,116.19	208.61	207.48	-87.70	4,572.16	8,477.32	3,051.41	2,635.57	415.84	7.338		
13,300.00	7,283.00	15,655.00	7,116.19	211.22	207.48	-87.70	4,572.16	8,477.32	3,061.39	2,642.53	418.86	7.309		
13,400.00	7,283.00	15,655.00	7,116.19	213.84	207.48	-87.70	4,572.16	8,477.32	3,074.59	2,653.15	421.44	7.295 SF		
13,500.00	7,283.00	15,655.00	7,116.19	216.47	207.48	-87.70	4,572.16	8,477.32	3,090.98	2,667.37	423.60	7.297		
13,600.00	7,283.00	15,655.00	7,116.19	219.09	207.48	-87.70	4,572.16	8,477.32	3,110.49	2,685.15	425.34	7.313		
13,700.00	7,283.00	15,655.00	7,116.19	221.72	207.48	-87.70	4,572.16	8,477.32	3,133.08	2,706.41	426.67	7.343		
13,800.00	7,283.00	15,655.00	7,116.19	224.34	207.48	-87.70	4,572.16	8,477.32	3,158.67	2,731.08	427.59	7.387		
13,900.00	7,283.00	15,655.00	7,116.19	226.97	207.48	-87.70	4,572.16	8,477.32	3,187.19	2,759.06	428.13	7.444		
14,000.00	7,283.00	15,655.00	7,116.19	229.61	207.48	-87.70	4,572.16	8,477.32	3,218.57	2,790.26	428.31	7.515		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T4N-R68W - EXIST HZ FLASCHENRIEM 3 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 23-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	7,283.00	15,655.00	7,116.19	232.24	207.48	-87.70	4,572.16	8,477.32	3,252.72	2,824.58	428.15	7.597		
14,200.00	7,283.00	15,655.00	7,116.19	234.88	207.48	-87.70	4,572.16	8,477.32	3,289.56	2,861.91	427.66	7.692		
14,300.00	7,283.00	15,655.00	7,116.19	237.52	207.48	-87.70	4,572.16	8,477.32	3,329.00	2,902.13	426.87	7.799		
14,400.00	7,283.00	15,655.00	7,116.19	240.16	207.48	-87.70	4,572.16	8,477.32	3,370.94	2,945.13	425.81	7.917		
14,500.00	7,283.00	15,655.00	7,116.19	242.80	207.48	-87.70	4,572.16	8,477.32	3,415.30	2,990.81	424.49	8.046		
14,600.00	7,283.00	15,655.00	7,116.19	245.44	207.48	-87.70	4,572.16	8,477.32	3,461.98	3,039.03	422.95	8.185		
14,700.00	7,283.00	15,655.00	7,116.19	248.09	207.48	-87.70	4,572.16	8,477.32	3,510.88	3,089.68	421.20	8.335		
14,800.00	7,283.00	15,655.00	7,116.19	250.74	207.48	-87.70	4,572.16	8,477.32	3,561.93	3,142.66	419.27	8.496		
14,900.00	7,283.00	15,655.00	7,116.19	253.38	207.48	-87.70	4,572.16	8,477.32	3,615.01	3,197.84	417.17	8.666		
15,000.00	7,283.00	15,655.00	7,116.19	256.03	207.48	-87.70	4,572.16	8,477.32	3,670.06	3,255.12	414.94	8.845		
15,100.00	7,283.00	15,655.00	7,116.19	258.69	207.48	-87.70	4,572.16	8,477.32	3,726.98	3,314.40	412.57	9.033		
15,200.00	7,283.00	15,655.00	7,116.19	261.34	207.48	-87.70	4,572.16	8,477.32	3,785.68	3,375.57	410.11	9.231		
15,300.00	7,283.00	15,655.00	7,116.19	263.99	207.48	-87.70	4,572.16	8,477.32	3,846.09	3,438.53	407.55	9.437		
15,400.00	7,283.00	15,655.00	7,116.19	266.65	207.48	-87.70	4,572.16	8,477.32	3,908.12	3,503.19	404.93	9.651		
15,500.00	7,283.00	15,655.00	7,116.19	269.31	207.48	-87.70	4,572.16	8,477.32	3,971.70	3,569.46	402.24	9.874		
15,600.00	7,283.00	15,655.00	7,116.19	271.96	207.48	-87.70	4,572.16	8,477.32	4,036.76	3,637.25	399.51	10.104		
15,700.00	7,283.00	15,655.00	7,116.19	274.62	207.48	-87.70	4,572.16	8,477.32	4,103.22	3,706.48	396.74	10.342		
15,800.00	7,283.00	15,655.00	7,116.19	277.28	207.48	-87.70	4,572.16	8,477.32	4,171.03	3,777.08	393.95	10.588		
15,900.00	7,283.00	15,655.00	7,116.19	279.94	207.48	-87.70	4,572.16	8,477.32	4,240.10	3,848.96	391.14	10.840		
16,000.00	7,283.00	15,655.00	7,116.19	282.61	207.48	-87.70	4,572.16	8,477.32	4,310.39	3,922.06	388.33	11.100		
16,100.00	7,283.00	15,655.00	7,116.19	285.27	207.48	-87.70	4,572.16	8,477.32	4,381.84	3,996.32	385.52	11.366		
16,200.00	7,283.00	15,655.00	7,116.19	287.94	207.48	-87.70	4,572.16	8,477.32	4,454.38	4,071.66	382.72	11.639		
16,300.00	7,283.00	15,655.00	7,116.19	290.60	207.48	-87.70	4,572.16	8,477.32	4,527.97	4,148.04	379.93	11.918		
16,400.00	7,283.00	15,655.00	7,116.19	293.27	207.48	-87.70	4,572.16	8,477.32	4,602.56	4,225.40	377.16	12.203		
16,500.00	7,283.00	15,655.00	7,116.19	295.94	207.48	-87.70	4,572.16	8,477.32	4,678.09	4,303.68	374.42	12.494		
16,600.00	7,283.00	15,655.00	7,116.19	298.60	207.48	-87.70	4,572.16	8,477.32	4,754.53	4,382.83	371.70	12.791		
16,700.00	7,283.00	15,655.00	7,116.19	301.27	207.48	-87.70	4,572.16	8,477.32	4,831.83	4,462.82	369.01	13.094		
16,800.00	7,283.00	15,655.00	7,116.19	303.94	207.48	-87.70	4,572.16	8,477.32	4,909.95	4,543.59	366.36	13.402		
16,900.00	7,283.00	15,655.00	7,116.19	306.62	207.48	-87.70	4,572.16	8,477.32	4,988.85	4,625.11	363.74	13.715		
17,000.00	7,283.00	15,655.00	7,116.19	309.29	207.48	-87.70	4,572.16	8,477.32	5,068.49	4,707.33	361.16	14.034		
17,100.00	7,283.00	15,655.00	7,116.19	311.96	207.48	-87.70	4,572.16	8,477.32	5,148.85	4,790.23	358.62	14.357		
17,200.00	7,283.00	15,655.00	7,116.19	314.63	207.48	-87.70	4,572.16	8,477.32	5,229.88	4,873.76	356.12	14.686		
17,300.00	7,283.00	15,655.00	7,116.19	317.31	207.48	-87.70	4,572.16	8,477.32	5,311.56	4,957.89	353.67	15.019		
17,400.00	7,283.00	15,655.00	7,116.19	319.98	207.48	-87.70	4,572.16	8,477.32	5,393.85	5,042.60	351.25	15.356		
17,500.00	7,283.00	15,655.00	7,116.19	322.66	207.48	-87.70	4,572.16	8,477.32	5,476.74	5,127.86	348.88	15.698		
17,600.00	7,283.00	15,655.00	7,116.19	325.34	207.48	-87.70	4,572.16	8,477.32	5,560.19	5,213.63	346.55	16.044		
17,700.00	7,283.00	15,655.00	7,116.19	328.01	207.48	-87.70	4,572.16	8,477.32	5,644.17	5,299.90	344.27	16.395		
17,800.00	7,283.00	15,655.00	7,116.19	330.69	207.48	-87.70	4,572.16	8,477.32	5,728.68	5,386.64	342.03	16.749		
17,900.00	7,283.00	15,655.00	7,116.19	333.37	207.48	-87.70	4,572.16	8,477.32	5,813.67	5,473.83	339.83	17.107		
18,000.00	7,283.00	15,655.00	7,116.19	336.05	207.48	-87.70	4,572.16	8,477.32	5,899.13	5,561.45	337.68	17.469		
18,100.00	7,283.00	15,655.00	7,116.19	338.73	207.48	-87.70	4,572.16	8,477.32	5,985.05	5,649.47	335.57	17.835		
18,200.00	7,283.00	15,655.00	7,116.19	341.41	207.48	-87.70	4,572.16	8,477.32	6,071.39	5,737.88	333.51	18.205		
18,300.00	7,283.00	15,655.00	7,116.19	344.09	207.48	-87.70	4,572.16	8,477.32	6,158.15	5,826.67	331.48	18.578		
18,400.00	7,283.00	15,655.00	7,116.19	346.77	207.48	-87.70	4,572.16	8,477.32	6,245.30	5,915.80	329.50	18.954		
18,500.00	7,283.00	15,655.00	7,116.19	349.46	207.48	-87.70	4,572.16	8,477.32	6,332.84	6,005.28	327.56	19.334		
18,600.00	7,283.00	15,655.00	7,116.19	352.14	207.48	-87.70	4,572.16	8,477.32	6,420.73	6,095.08	325.66	19.716		
18,700.00	7,283.00	15,655.00	7,116.19	354.82	207.48	-87.70	4,572.16	8,477.32	6,508.98	6,185.19	323.79	20.102		
18,800.00	7,283.00	15,655.00	7,116.19	357.51	207.48	-87.70	4,572.16	8,477.32	6,597.56	6,275.59	321.97	20.491		
18,900.00	7,283.00	15,655.00	7,116.19	360.19	207.48	-87.70	4,572.16	8,477.32	6,686.47	6,366.28	320.19	20.883		
19,000.00	7,283.00	15,655.00	7,116.19	362.88	207.48	-87.70	4,572.16	8,477.32	6,775.68	6,457.24	318.44	21.278		
19,100.00	7,283.00	15,655.00	7,116.19	365.56	207.48	-87.70	4,572.16	8,477.32	6,865.19	6,548.46	316.73	21.675		
19,200.00	7,283.00	15,655.00	7,116.19	368.25	207.48	-87.70	4,572.16	8,477.32	6,954.99	6,639.93	315.06	22.075		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design		Sec 3-T4N-R68W - EXIST HZ FLASCHENRIEM 3 - OWB - FINAL SURVEY										Offset Site Error:	0.00 usft
Survey Program:		23-MWD OWSG										Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
19,247.68	7,283.00	15,655.00	7,116.19	369.53	207.48	-87.70	4,572.16	8,477.32	6,997.90	6,683.63	314.27	22.267	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 23-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	53.82	53.82	0.27	0.11	59.50	836.83	1,420.75	1,648.88	1,648.50	0.38	4,346.646		
200.00	200.00	151.32	151.32	0.63	0.46	59.50	836.90	1,420.91	1,649.06	1,647.97	1.09	1,518.148		
300.00	299.98	253.80	253.80	0.98	0.82	-10.13	837.15	1,420.91	1,647.47	1,645.67	1.80	914.461		
400.00	399.84	353.79	353.79	1.34	1.17	-10.20	837.63	1,420.71	1,642.38	1,639.87	2.51	653.603		
500.00	499.45	451.73	451.72	1.71	1.52	-10.29	837.78	1,420.72	1,633.90	1,630.67	3.22	506.800		
600.00	598.70	548.32	548.32	2.10	1.86	-10.42	838.19	1,420.77	1,622.16	1,618.23	3.94	412.171		
700.00	697.47	646.05	646.05	2.51	2.21	-10.59	838.87	1,420.80	1,607.15	1,602.49	4.66	345.186		
800.00	795.62	735.24	735.23	2.95	2.53	-10.82	840.22	1,420.55	1,588.94	1,583.59	5.35	297.034		
900.00	893.06	818.19	818.09	3.43	2.83	-11.17	843.84	1,419.79	1,568.27	1,562.25	6.03	260.212		
1,000.00	989.64	900.42	900.11	3.95	3.12	-11.62	849.44	1,418.60	1,545.14	1,538.43	6.71	230.217		
1,100.00	1,085.27	976.41	975.79	4.52	3.40	-12.15	856.34	1,417.51	1,519.94	1,512.55	7.39	205.794		
1,200.00	1,179.82	1,074.95	1,073.71	5.14	3.77	-12.96	867.09	1,415.46	1,492.02	1,483.86	8.16	182.821		
1,300.00	1,273.17	1,154.67	1,152.70	5.81	4.07	-13.79	877.60	1,412.96	1,461.41	1,452.53	8.89	164.457		
1,400.00	1,365.21	1,243.43	1,240.27	6.54	4.42	-14.88	891.54	1,409.30	1,428.46	1,418.78	9.67	147.657		
1,500.00	1,455.84	1,329.66	1,324.96	7.33	4.78	-16.17	907.02	1,404.56	1,392.93	1,382.44	10.49	132.835		
1,600.00	1,544.94	1,405.82	1,399.39	8.19	5.11	-17.53	922.37	1,399.59	1,355.29	1,344.00	11.30	119.968		
1,700.00	1,632.39	1,480.04	1,471.63	9.12	5.44	-19.05	938.66	1,394.63	1,316.16	1,304.02	12.14	108.399		
1,800.00	1,718.11	1,549.53	1,539.12	10.11	5.76	-20.65	954.59	1,390.16	1,275.63	1,262.61	13.01	98.031		
1,900.00	1,801.97	1,610.18	1,597.87	11.18	6.06	-22.24	969.31	1,386.80	1,234.44	1,220.54	13.90	88.826		
1,969.27	1,858.92	1,649.41	1,635.54	11.96	6.25	-23.40	979.98	1,384.43	1,205.84	1,191.30	14.54	82.951		
2,000.00	1,883.98	1,666.52	1,651.87	12.31	6.34	-23.83	984.97	1,383.31	1,193.31	1,178.49	14.83	80.477		
2,100.00	1,965.50	1,742.42	1,723.56	13.48	6.75	-25.90	1,009.07	1,377.09	1,154.27	1,138.31	15.96	72.322		
2,200.00	2,047.03	1,820.10	1,795.77	14.65	7.21	-28.30	1,036.14	1,367.82	1,117.24	1,100.02	17.22	64.868		
2,300.00	2,128.56	1,885.70	1,855.81	15.84	7.62	-30.54	1,060.68	1,358.03	1,083.08	1,064.57	18.51	58.516		
2,400.00	2,210.09	1,934.72	1,899.93	17.03	7.96	-32.32	1,080.51	1,350.07	1,053.50	1,033.76	19.74	53.374		
2,500.00	2,291.61	1,985.88	1,945.20	18.23	8.32	-34.28	1,102.70	1,341.42	1,029.35	1,008.31	21.04	48.923		
2,600.00	2,373.14	2,041.52	1,993.89	19.44	8.74	-36.47	1,127.88	1,331.86	1,010.70	988.26	22.44	45.045		
2,700.00	2,454.67	2,106.95	2,050.63	20.64	9.25	-39.12	1,158.38	1,320.41	997.55	973.55	24.00	41.570		
2,800.00	2,536.20	2,171.16	2,106.12	21.86	9.77	-41.76	1,188.55	1,308.83	989.50	963.93	25.56	38.710		
2,881.56	2,602.69	2,214.64	2,143.39	22.85	10.13	-43.56	1,209.48	1,300.90	987.38	960.68	26.70	36.981 CC		
2,900.00	2,617.72	2,224.40	2,151.71	23.07	10.22	-43.97	1,214.26	1,299.11	987.49	960.53	26.95	36.639 ES		
3,000.00	2,699.25	2,286.80	2,204.64	24.29	10.76	-46.59	1,245.23	1,287.53	991.68	963.21	28.46	34.839		
3,100.00	2,780.78	2,355.11	2,262.33	25.50	11.38	-49.46	1,279.26	1,274.14	1,001.22	971.17	30.05	33.323		
3,200.00	2,862.31	2,421.71	2,318.36	26.73	11.98	-52.26	1,312.50	1,260.34	1,016.03	984.48	31.55	32.205		
3,300.00	2,943.83	2,499.94	2,384.14	27.95	12.70	-55.52	1,351.26	1,243.30	1,035.70	1,002.47	33.23	31.169		
3,400.00	3,025.36	2,572.54	2,445.50	29.17	13.37	-58.51	1,386.49	1,227.01	1,059.52	1,024.76	34.75	30.486		
3,500.00	3,106.89	2,639.31	2,501.98	30.40	13.99	-61.18	1,418.79	1,212.02	1,087.85	1,051.74	36.11	30.123		
3,600.00	3,188.42	2,705.40	2,557.95	31.62	14.62	-63.74	1,450.94	1,197.80	1,120.46	1,083.04	37.41	29.948		
3,700.00	3,269.94	2,768.95	2,611.78	32.85	15.21	-66.08	1,482.19	1,185.03	1,156.98	1,118.36	38.62	29.956		
3,800.00	3,351.47	2,834.91	2,667.57	34.07	15.84	-68.38	1,515.21	1,172.87	1,197.11	1,157.25	39.85	30.037		
3,900.00	3,433.00	2,906.77	2,728.37	35.30	16.52	-70.76	1,551.45	1,160.45	1,240.10	1,198.91	41.19	30.107		
4,000.00	3,514.53	2,977.14	2,787.92	36.53	17.19	-72.96	1,587.12	1,148.91	1,285.56	1,243.08	42.48	30.260		
4,100.00	3,596.05	3,051.74	2,851.05	37.76	17.89	-75.15	1,625.20	1,137.49	1,333.17	1,289.31	43.86	30.395		
4,200.00	3,677.58	3,130.98	2,918.11	38.99	18.64	-77.29	1,666.12	1,127.13	1,382.37	1,337.03	45.34	30.490		
4,300.00	3,759.11	3,212.95	2,987.34	40.22	19.40	-79.27	1,709.27	1,119.15	1,432.71	1,385.83	46.88	30.561		
4,400.00	3,840.64	3,293.43	3,055.26	41.45	20.15	-81.05	1,751.95	1,112.70	1,484.01	1,435.61	48.40	30.662		
4,500.00	3,922.16	3,377.41	3,126.15	42.68	20.92	-82.76	1,796.59	1,106.89	1,536.07	1,486.07	50.00	30.723		
4,600.00	4,003.69	3,471.28	3,205.47	43.91	21.78	-84.51	1,846.55	1,101.96	1,588.45	1,536.65	51.80	30.664		
4,700.00	4,085.22	3,556.09	3,277.16	45.15	22.55	-85.96	1,891.75	1,098.85	1,641.03	1,587.60	53.43	30.714		
4,800.00	4,166.75	3,619.80	3,331.02	46.38	23.13	-86.99	1,925.70	1,096.43	1,694.40	1,639.76	54.64	31.012		
4,900.00	4,248.27	3,679.17	3,381.19	47.61	23.68	-87.95	1,957.26	1,092.94	1,749.23	1,693.48	55.75	31.375		
5,000.00	4,329.80	3,740.13	3,432.68	48.84	24.26	-88.92	1,989.54	1,088.30	1,805.39	1,748.50	56.89	31.733		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T4N-R68W - EXIST HZ FLASCHENRIEM 4 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 23-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,411.33	3,796.67	3,480.42	50.08	24.79	-89.82	2,019.37	1,083.04	1,862.85	1,804.91	57.94	32.154		
5,200.00	4,492.86	3,853.00	3,527.93	51.31	25.34	-90.71	2,048.98	1,076.73	1,921.69	1,862.73	58.97	32.589		
5,300.00	4,574.38	3,906.20	3,572.78	52.54	25.85	-91.55	2,076.71	1,069.72	1,981.82	1,921.91	59.92	33.076		
5,400.00	4,655.91	3,961.05	3,619.07	53.78	26.39	-92.42	2,104.94	1,061.40	2,043.15	1,982.25	60.89	33.552		
5,500.00	4,737.44	4,016.44	3,665.80	55.01	26.93	-93.29	2,133.20	1,052.13	2,105.59	2,043.72	61.87	34.032		
5,600.00	4,818.97	4,080.65	3,719.93	56.24	27.57	-94.28	2,165.78	1,040.67	2,168.99	2,105.97	63.03	34.413		
5,700.00	4,900.49	4,155.58	3,783.09	57.48	28.31	-95.37	2,203.87	1,027.44	2,232.88	2,168.47	64.41	34.666		
5,800.00	4,982.02	4,248.68	3,861.66	58.71	29.22	-96.64	2,251.26	1,011.71	2,296.91	2,230.74	66.18	34.710		
5,900.00	5,063.55	4,378.14	3,971.28	59.95	30.48	-98.18	2,317.87	994.36	2,359.59	2,290.89	68.70	34.347		
6,000.00	5,145.08	4,450.14	4,032.15	61.18	31.18	-98.94	2,355.50	986.38	2,421.97	2,351.92	70.05	34.574		
6,100.00	5,226.60	4,514.00	4,086.09	62.42	31.79	-99.59	2,388.84	978.77	2,485.06	2,413.82	71.24	34.884		
6,200.00	5,308.13	4,584.53	4,145.62	63.65	32.48	-100.29	2,425.66	970.16	2,548.60	2,476.04	72.56	35.124		
6,300.00	5,389.66	4,645.41	4,196.98	64.89	33.08	-100.86	2,457.50	962.82	2,612.39	2,538.70	73.68	35.454		
6,400.00	5,471.19	4,702.00	4,244.74	66.12	33.63	-101.39	2,486.92	955.26	2,676.94	2,602.22	74.72	35.828		
6,500.00	5,552.72	4,751.87	4,286.84	67.36	34.12	-101.86	2,512.63	947.96	2,742.22	2,666.62	75.60	36.273		
6,600.00	5,634.24	4,807.92	4,334.20	68.59	34.67	-102.39	2,541.25	939.08	2,808.18	2,731.57	76.60	36.658		
6,700.00	5,715.77	4,873.85	4,389.92	69.83	35.32	-103.00	2,574.81	928.30	2,874.58	2,796.78	77.81	36.945		
6,800.00	5,797.30	4,950.94	4,455.05	71.06	36.08	-103.67	2,614.09	915.72	2,941.22	2,861.98	79.24	37.117		
6,900.00	5,878.83	5,037.86	4,528.50	72.30	36.94	-104.39	2,658.54	902.11	3,007.77	2,926.89	80.88	37.187		
7,000.00	5,960.35	5,120.64	4,598.42	73.53	37.76	-105.03	2,701.14	889.93	3,074.10	2,991.66	82.44	37.289		
7,100.00	6,041.88	5,194.49	4,660.81	74.77	38.48	-105.57	2,739.19	879.29	3,140.47	3,056.65	83.82	37.467		
7,200.00	6,123.41	5,264.07	4,719.62	76.01	39.17	-106.06	2,774.98	869.19	3,207.00	3,121.88	85.11	37.679		
7,300.00	6,204.94	5,334.00	4,778.43	77.24	39.86	-106.51	2,810.90	859.30	3,273.99	3,193.55	86.41	37.891		
7,400.00	6,286.46	5,403.40	4,837.24	78.48	40.55	-106.96	2,847.94	849.41	3,341.58	3,265.25	87.71	38.103		
7,500.00	6,367.99	5,472.80	4,896.05	79.71	41.24	-107.41	2,885.08	839.52	3,409.67	3,336.91	89.01	38.315		
7,600.00	6,449.52	5,542.20	4,954.86	80.95	41.93	-107.86	2,922.22	829.63	3,477.76	3,408.20	90.31	38.527		
7,700.00	6,531.05	5,611.60	5,013.67	82.19	42.62	-108.31	2,959.36	819.74	3,545.85	3,476.29	91.61	38.739		
7,800.00	6,612.57	5,681.00	5,072.48	83.42	43.31	-108.76	2,996.50	809.85	3,613.94	3,544.82	92.91	38.951		
7,900.00	6,694.10	5,750.40	5,131.29	84.66	44.00	-109.21	3,033.64	799.96	3,682.03	3,613.71	94.21	39.163		
8,000.00	6,775.63	5,819.80	5,190.10	85.89	44.69	-109.66	3,070.78	790.07	3,750.12	3,682.58	95.51	39.375		
8,100.00	6,857.16	5,889.20	5,248.91	87.13	45.38	-110.11	3,107.92	780.18	3,818.21	3,751.51	96.81	39.587		
8,200.00	6,938.68	5,958.60	5,307.72	88.37	46.07	-110.56	3,145.06	770.29	3,886.30	3,820.00	98.11	39.799		
8,300.00	7,020.21	6,028.00	5,366.53	89.60	46.76	-111.01	3,182.20	760.40	3,954.39	3,888.49	99.41	39.999		
8,310.57	7,028.83	6,036.62	5,375.15	89.73	46.89	-111.14	3,188.61	760.00	3,962.80	3,896.90	99.54	40.012		
8,350.00	7,060.23	6,068.00	5,406.95	90.25	47.19	-111.39	3,201.44	755.11	3,985.63	3,919.73	99.85	40.045		
8,400.00	7,097.77	6,105.40	5,442.36	90.98	47.58	-111.64	3,214.28	750.22	4,008.46	3,942.56	100.15	40.078		
8,450.00	7,132.48	6,142.80	5,482.77	91.79	48.00	-111.89	3,227.12	745.33	4,031.29	3,965.39	100.45	40.111		
8,500.00	7,164.10	6,180.20	5,523.18	92.67	48.41	-112.14	3,240.06	740.44	4,054.12	3,988.22	100.75	40.144		
8,550.00	7,192.40	6,217.60	5,563.59	93.63	48.82	-112.39	3,252.90	735.55	4,076.95	4,011.05	101.05	40.177		
8,600.00	7,217.15	6,255.00	5,603.99	94.64	49.23	-112.64	3,265.74	730.66	4,099.78	4,033.88	101.35	40.210		
8,650.00	7,238.16	6,292.40	5,644.40	95.70	49.64	-112.89	3,278.58	725.77	4,122.61	4,056.71	101.65	40.243		
8,700.00	7,255.29	6,329.80	5,684.81	96.80	50.05	-113.14	3,291.42	720.88	4,145.44	4,079.54	101.95	40.276		
8,750.00	7,268.39	6,367.20	5,725.22	97.92	50.46	-113.39	3,304.26	715.99	4,168.27	4,102.37	102.25	40.309		
8,800.00	7,277.37	6,404.60	5,765.63	99.06	50.87	-113.64	3,317.10	711.10	4,187.10	4,125.20	102.55	40.342		
8,850.00	7,282.15	6,442.00	5,806.04	100.20	51.28	-113.89	3,330.04	706.21	4,205.93	4,148.03	102.85	40.375		
8,881.61	7,283.00	6,459.40	5,817.45	100.91	51.41	-113.98	3,336.45	705.00	4,212.34	4,154.44	102.94	40.384		
8,900.00	7,283.00	6,459.40	5,817.45	101.33	51.58	-114.08	3,342.86	703.79	4,218.75	4,160.85	103.03	40.393		
8,986.08	7,283.00	6,459.40	5,817.45	103.27	51.87	-114.37	3,359.00	700.00	4,234.89	4,176.99	103.32	40.413		
9,000.00	7,283.00	6,459.40	5,817.45	103.59	52.00	-114.48	3,365.41	698.79	4,241.30	4,183.40	103.41	40.422		
9,100.00	7,283.00	6,459.40	5,817.45	105.87	52.39	-114.77	3,381.55	695.00	4,257.44	4,199.54	103.70	40.442		
9,200.00	7,283.00	6,459.40	5,817.45	108.18	52.78	-115.06	3,397.69	691.21	4,273.58	4,215.68	104.00	40.462		
9,300.00	7,283.00	6,459.40	5,817.45	110.50	53.17	-115.35	3,413.83	687.42	4,289.72	4,231.82	104.30	40.482		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T4N-R68W - EXIST HZ FLASCHENRIEM 4 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 23-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,304.45	7,283.00	12,097.71	7,261.88	110.60	114.55	-90.49	4,308.76	4,837.18	2,781.01	2,561.90	219.11	12.692		
9,400.00	7,283.00	12,188.71	7,261.98	112.84	116.86	-90.49	4,309.17	4,928.18	2,781.28	2,557.42	223.85	12.424		
9,500.00	7,283.00	12,320.64	7,262.13	115.19	120.23	-90.50	4,308.77	5,060.10	2,780.79	2,551.61	229.18	12.134		
9,600.00	7,283.00	12,462.42	7,261.91	117.56	123.85	-90.49	4,306.35	5,201.86	2,778.86	2,544.28	234.58	11.846		
9,700.00	7,283.00	12,535.00	7,261.74	119.95	125.71	-90.49	4,304.89	5,274.43	2,776.74	2,537.31	239.42	11.598		
9,800.00	7,283.00	12,606.89	7,261.53	122.34	127.56	-90.49	4,304.17	5,346.31	2,775.61	2,531.35	244.26	11.363		
9,854.57	7,283.00	12,647.98	7,261.42	123.66	128.61	-90.48	4,304.17	5,387.41	2,775.51	2,528.59	246.92	11.241		
9,900.00	7,283.00	12,690.79	7,261.31	124.76	129.72	-90.48	4,304.26	5,430.21	2,775.53	2,526.32	249.21	11.137		
10,000.00	7,283.00	12,794.02	7,261.06	127.18	132.39	-90.48	4,304.53	5,533.44	2,775.63	2,521.28	254.35	10.913		
10,100.00	7,283.00	12,897.94	7,260.87	129.61	135.08	-90.47	4,304.59	5,637.36	2,775.52	2,516.00	259.51	10.695		
10,200.00	7,283.00	13,036.88	7,260.68	132.06	138.68	-90.47	4,303.61	5,776.29	2,774.65	2,509.65	264.99	10.471		
10,300.00	7,283.00	13,162.36	7,260.30	134.52	141.94	-90.46	4,301.37	5,901.76	2,772.71	2,502.37	270.34	10.256		
10,400.00	7,283.00	13,243.43	7,259.96	136.98	144.05	-90.45	4,299.51	5,982.81	2,770.30	2,494.94	275.36	10.061		
10,498.53	7,283.00	13,292.00	7,259.80	139.42	145.32	-90.45	4,298.98	6,031.37	2,769.24	2,489.21	280.03	9.889		
10,500.00	7,283.00	13,292.00	7,259.80	139.46	145.32	-90.45	4,298.98	6,031.37	2,769.24	2,489.15	280.09	9.887		
10,600.00	7,283.00	13,350.16	7,259.59	141.94	146.84	-90.45	4,299.33	6,089.52	2,769.83	2,484.98	284.85	9.724		
10,700.00	7,283.00	13,386.00	7,259.44	144.44	147.78	-90.44	4,300.20	6,125.36	2,772.39	2,483.11	289.28	9.584		
10,800.00	7,283.00	13,452.76	7,259.23	146.94	149.53	-90.44	4,302.99	6,192.06	2,776.56	2,482.54	294.02	9.444		
10,900.00	7,283.00	13,640.98	7,259.92	149.45	154.47	-90.45	4,310.45	6,380.10	2,780.63	2,480.32	300.32	9.259		
11,000.00	7,283.00	13,765.00	7,260.51	151.96	157.72	-90.46	4,312.01	6,504.11	2,781.65	2,475.86	305.78	9.097		
11,100.00	7,283.00	13,859.00	7,260.65	154.49	160.20	-90.47	4,313.09	6,598.10	2,782.64	2,471.70	310.94	8.949		
11,200.00	7,283.00	13,924.57	7,260.54	157.01	161.92	-90.46	4,314.29	6,663.66	2,784.37	2,468.59	315.78	8.817		
11,300.00	7,283.00	13,994.20	7,260.45	159.55	163.76	-90.46	4,316.61	6,733.25	2,787.49	2,466.86	320.64	8.694		
11,400.00	7,283.00	14,108.48	7,260.25	162.09	166.77	-90.46	4,321.00	6,847.45	2,791.22	2,465.17	326.05	8.561		
11,500.00	7,283.00	14,307.89	7,259.07	164.64	172.04	-90.43	4,322.60	7,046.82	2,791.21	2,458.85	332.36	8.398		
11,600.00	7,283.00	14,403.68	7,259.58	167.19	174.57	-90.44	4,322.39	7,142.62	2,790.83	2,453.26	337.57	8.267		
11,666.27	7,283.00	14,460.14	7,259.90	168.89	176.06	-90.45	4,322.34	7,199.07	2,790.67	2,449.70	340.97	8.184		
11,700.00	7,283.00	14,486.24	7,260.05	169.75	176.75	-90.45	4,322.42	7,225.17	2,790.72	2,448.05	342.67	8.144		
11,800.00	7,283.00	14,569.84	7,260.57	172.31	178.96	-90.46	4,323.08	7,308.76	2,791.34	2,443.56	347.78	8.026		
11,900.00	7,283.00	14,662.06	7,260.99	174.88	181.41	-90.47	4,324.18	7,400.98	2,792.37	2,439.41	352.97	7.911		
12,000.00	7,283.00	14,858.11	7,260.54	177.45	186.60	-90.46	4,324.10	7,597.02	2,792.52	2,433.46	359.06	7.777		
12,100.00	7,283.00	15,002.54	7,260.15	180.03	190.43	-90.46	4,319.66	7,741.37	2,789.21	2,424.62	364.59	7.650		
12,200.00	7,283.00	15,126.01	7,260.02	182.61	193.70	-90.45	4,314.05	7,864.71	2,784.41	2,414.44	369.97	7.526		
12,300.00	7,283.00	15,185.00	7,259.84	185.19	195.26	-90.45	4,311.61	7,923.66	2,780.23	2,405.14	375.09	7.412		
12,400.00	7,283.00	15,249.26	7,259.86	187.78	196.96	-90.45	4,309.84	7,987.89	2,777.42	2,397.24	380.18	7.306		
12,500.00	7,283.00	15,325.77	7,260.51	190.37	199.00	-90.46	4,308.98	8,064.39	2,776.06	2,390.76	385.31	7.205		
12,600.00	7,283.00	15,413.16	7,261.42	192.97	201.32	-90.48	4,308.20	8,151.78	2,775.03	2,384.53	390.50	7.106		
12,674.78	7,283.00	15,469.00	7,261.75	194.91	202.81	-90.49	4,308.10	8,207.61	2,774.78	2,380.47	394.31	7.037		
12,700.00	7,283.00	15,487.45	7,261.82	195.57	203.30	-90.49	4,308.15	8,226.06	2,774.81	2,379.23	395.58	7.015		
12,800.00	7,283.00	15,563.00	7,262.08	198.17	205.32	-90.50	4,308.83	8,301.61	2,775.54	2,374.89	400.64	6.928		
12,900.00	7,283.00	15,692.60	7,262.43	200.77	208.77	-90.50	4,309.80	8,431.20	2,776.11	2,369.87	406.25	6.834		
12,946.78	7,283.00	15,741.00	7,262.63	201.99	210.06	-90.51	4,309.86	8,479.60	2,776.09	2,367.35	408.75	6.792		
13,000.00	7,283.00	15,741.00	7,262.63	203.38	210.06	-90.51	4,309.86	8,479.60	2,776.60	2,365.59	411.02	6.755		
13,100.00	7,283.00	15,741.00	7,262.63	205.99	210.06	-90.51	4,309.86	8,479.60	2,780.32	2,365.42	414.90	6.701		
13,200.00	7,283.00	15,741.00	7,262.63	208.61	210.06	-90.51	4,309.86	8,479.60	2,787.62	2,369.35	418.27	6.665		
13,300.00	7,283.00	15,741.00	7,262.63	211.22	210.06	-90.51	4,309.86	8,479.60	2,798.47	2,377.36	421.12	6.645		
13,400.00	7,283.00	15,741.00	7,262.63	213.84	210.06	-90.51	4,309.86	8,479.60	2,812.85	2,389.40	423.45	6.643 SF		
13,500.00	7,283.00	15,741.00	7,262.63	216.47	210.06	-90.51	4,309.86	8,479.60	2,830.68	2,405.42	425.26	6.656		
13,600.00	7,283.00	15,741.00	7,262.63	219.09	210.06	-90.51	4,309.86	8,479.60	2,851.91	2,425.33	426.58	6.686		
13,700.00	7,283.00	15,741.00	7,262.63	221.72	210.06	-90.51	4,309.86	8,479.60	2,876.46	2,449.05	427.41	6.730		
13,800.00	7,283.00	15,741.00	7,262.63	224.34	210.06	-90.51	4,309.86	8,479.60	2,904.25	2,476.47	427.78	6.789		
13,900.00	7,283.00	15,741.00	7,262.63	226.97	210.06	-90.51	4,309.86	8,479.60	2,935.19	2,507.47	427.72	6.862		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T4N-R68W - EXIST HZ FLASCHENRIEM 4 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 23-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,000.00	7,283.00	15,741.00	7,262.63	229.61	210.06	-90.51	4,309.86	8,479.60	2,969.17	2,541.93	427.24	6.950		
14,100.00	7,283.00	15,741.00	7,262.63	232.24	210.06	-90.51	4,309.86	8,479.60	3,006.10	2,579.71	426.39	7.050		
14,200.00	7,283.00	15,741.00	7,262.63	234.88	210.06	-90.51	4,309.86	8,479.60	3,045.86	2,620.68	425.18	7.164		
14,300.00	7,283.00	15,741.00	7,262.63	237.52	210.06	-90.51	4,309.86	8,479.60	3,088.35	2,664.69	423.65	7.290		
14,400.00	7,283.00	15,741.00	7,262.63	240.16	210.06	-90.51	4,309.86	8,479.60	3,133.46	2,711.61	421.84	7.428		
14,500.00	7,283.00	15,741.00	7,262.63	242.80	210.06	-90.51	4,309.86	8,479.60	3,181.07	2,761.29	419.78	7.578		
14,600.00	7,283.00	15,741.00	7,262.63	245.44	210.06	-90.51	4,309.86	8,479.60	3,231.07	2,813.59	417.48	7.739		
14,700.00	7,283.00	15,741.00	7,262.63	248.09	210.06	-90.51	4,309.86	8,479.60	3,283.36	2,868.37	414.99	7.912		
14,800.00	7,283.00	15,741.00	7,262.63	250.74	210.06	-90.51	4,309.86	8,479.60	3,337.83	2,925.50	412.33	8.095		
14,900.00	7,283.00	15,741.00	7,262.63	253.38	210.06	-90.51	4,309.86	8,479.60	3,394.37	2,984.85	409.52	8.289		
15,000.00	7,283.00	15,741.00	7,262.63	256.03	210.06	-90.51	4,309.86	8,479.60	3,452.88	3,046.29	406.60	8.492		
15,100.00	7,283.00	15,741.00	7,262.63	258.69	210.06	-90.51	4,309.86	8,479.60	3,513.27	3,109.70	403.57	8.705		
15,200.00	7,283.00	15,741.00	7,262.63	261.34	210.06	-90.51	4,309.86	8,479.60	3,575.43	3,174.96	400.47	8.928		
15,300.00	7,283.00	15,741.00	7,262.63	263.99	210.06	-90.51	4,309.86	8,479.60	3,639.28	3,241.97	397.30	9.160		
15,400.00	7,283.00	15,741.00	7,262.63	266.65	210.06	-90.51	4,309.86	8,479.60	3,704.73	3,310.63	394.10	9.401		
15,500.00	7,283.00	15,741.00	7,262.63	269.31	210.06	-90.51	4,309.86	8,479.60	3,771.69	3,380.83	390.86	9.650		
15,600.00	7,283.00	15,741.00	7,262.63	271.96	210.06	-90.51	4,309.86	8,479.60	3,840.09	3,452.48	387.60	9.907		
15,700.00	7,283.00	15,741.00	7,262.63	274.62	210.06	-90.51	4,309.86	8,479.60	3,909.85	3,525.50	384.35	10.173		
15,800.00	7,283.00	15,741.00	7,262.63	277.28	210.06	-90.51	4,309.86	8,479.60	3,980.90	3,599.81	381.09	10.446		
15,900.00	7,283.00	15,741.00	7,262.63	279.94	210.06	-90.51	4,309.86	8,479.60	4,053.17	3,675.32	377.85	10.727		
16,000.00	7,283.00	15,741.00	7,262.63	282.61	210.06	-90.51	4,309.86	8,479.60	4,126.60	3,751.97	374.64	11.015		
16,100.00	7,283.00	15,741.00	7,262.63	285.27	210.06	-90.51	4,309.86	8,479.60	4,201.13	3,829.68	371.45	11.310		
16,200.00	7,283.00	15,741.00	7,262.63	287.94	210.06	-90.51	4,309.86	8,479.60	4,276.70	3,908.40	368.30	11.612		
16,300.00	7,283.00	15,741.00	7,262.63	290.60	210.06	-90.51	4,309.86	8,479.60	4,353.25	3,988.07	365.18	11.921		
16,400.00	7,283.00	15,741.00	7,262.63	293.27	210.06	-90.51	4,309.86	8,479.60	4,430.74	4,068.63	362.11	12.236		
16,500.00	7,283.00	15,741.00	7,262.63	295.94	210.06	-90.51	4,309.86	8,479.60	4,509.11	4,150.02	359.09	12.557		
16,600.00	7,283.00	15,741.00	7,262.63	298.60	210.06	-90.51	4,309.86	8,479.60	4,588.32	4,232.21	356.11	12.885		
16,700.00	7,283.00	15,741.00	7,262.63	301.27	210.06	-90.51	4,309.86	8,479.60	4,668.34	4,315.15	353.19	13.218		
16,800.00	7,283.00	15,741.00	7,262.63	303.94	210.06	-90.51	4,309.86	8,479.60	4,749.11	4,398.79	350.32	13.557		
16,900.00	7,283.00	15,741.00	7,262.63	306.62	210.06	-90.51	4,309.86	8,479.60	4,830.60	4,483.10	347.50	13.901		
17,000.00	7,283.00	15,741.00	7,262.63	309.29	210.06	-90.51	4,309.86	8,479.60	4,912.77	4,568.03	344.74	14.251		
17,100.00	7,283.00	15,741.00	7,262.63	311.96	210.06	-90.51	4,309.86	8,479.60	4,995.59	4,653.56	342.03	14.606		
17,200.00	7,283.00	15,741.00	7,262.63	314.63	210.06	-90.51	4,309.86	8,479.60	5,079.03	4,739.65	339.38	14.965		
17,300.00	7,283.00	15,741.00	7,262.63	317.31	210.06	-90.51	4,309.86	8,479.60	5,163.06	4,826.27	336.79	15.330		
17,400.00	7,283.00	15,741.00	7,262.63	319.98	210.06	-90.51	4,309.86	8,479.60	5,247.65	4,913.40	334.25	15.700		
17,500.00	7,283.00	15,741.00	7,262.63	322.66	210.06	-90.51	4,309.86	8,479.60	5,332.78	5,001.01	331.77	16.074		
17,600.00	7,283.00	15,741.00	7,262.63	325.34	210.06	-90.51	4,309.86	8,479.60	5,418.41	5,089.06	329.35	16.452		
17,700.00	7,283.00	15,741.00	7,262.63	328.01	210.06	-90.51	4,309.86	8,479.60	5,504.53	5,177.55	326.97	16.835		
17,800.00	7,283.00	15,741.00	7,262.63	330.69	210.06	-90.51	4,309.86	8,479.60	5,591.10	5,266.45	324.66	17.222		
17,900.00	7,283.00	15,741.00	7,262.63	333.37	210.06	-90.51	4,309.86	8,479.60	5,678.12	5,355.73	322.39	17.613		
18,000.00	7,283.00	15,741.00	7,262.63	336.05	210.06	-90.51	4,309.86	8,479.60	5,765.56	5,445.39	320.18	18.007		
18,100.00	7,283.00	15,741.00	7,262.63	338.73	210.06	-90.51	4,309.86	8,479.60	5,853.41	5,535.39	318.02	18.406		
18,200.00	7,283.00	15,741.00	7,262.63	341.41	210.06	-90.51	4,309.86	8,479.60	5,941.63	5,625.73	315.91	18.808		
18,300.00	7,283.00	15,741.00	7,262.63	344.09	210.06	-90.51	4,309.86	8,479.60	6,030.23	5,716.39	313.84	19.214		
18,400.00	7,283.00	15,741.00	7,262.63	346.77	210.06	-90.51	4,309.86	8,479.60	6,119.18	5,807.35	311.83	19.623		
18,500.00	7,283.00	15,741.00	7,262.63	349.46	210.06	-90.51	4,309.86	8,479.60	6,208.46	5,898.60	309.86	20.036		
18,600.00	7,283.00	15,741.00	7,262.63	352.14	210.06	-90.51	4,309.86	8,479.60	6,298.06	5,990.12	307.94	20.452		
18,700.00	7,283.00	15,741.00	7,262.63	354.82	210.06	-90.51	4,309.86	8,479.60	6,387.98	6,081.91	306.07	20.871		
18,800.00	7,283.00	15,741.00	7,262.63	357.51	210.06	-90.51	4,309.86	8,479.60	6,478.19	6,173.95	304.23	21.293		
18,900.00	7,283.00	15,741.00	7,262.63	360.19	210.06	-90.51	4,309.86	8,479.60	6,568.68	6,266.23	302.44	21.719		
19,000.00	7,283.00	15,741.00	7,262.63	362.88	210.06	-90.51	4,309.86	8,479.60	6,659.44	6,358.75	300.70	22.147		
19,100.00	7,283.00	15,741.00	7,262.63	365.56	210.06	-90.51	4,309.86	8,479.60	6,750.47	6,451.48	298.99	22.578		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design		Sec 3-T4N-R68W - EXIST HZ FLASCHENRIEM 4 - OWB - FINAL SURVEY										Offset Site Error:	0.00 usft
Survey Program: 23-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
19,200.00	7,283.00	15,741.00	7,262.63	368.25	210.06	-90.51	4,309.86	8,479.60	6,841.74	6,544.42	297.32	23.011	
19,247.68	7,283.00	15,741.00	7,262.63	369.53	210.06	-90.51	4,309.86	8,479.60	6,885.35	6,588.80	296.54	23.219	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T4N-R68W - EXIST HZ FLASCHENRIEM 5 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 23-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	52.94	52.94	0.27	0.11	58.13	898.77	1,445.84	1,702.42	1,702.04	0.38	4,524.756		
200.00	200.00	148.01	148.01	0.63	0.45	58.13	898.97	1,446.05	1,702.72	1,701.65	1.07	1,584.001		
300.00	299.98	247.01	247.01	0.98	0.80	-11.51	899.64	1,446.01	1,701.33	1,699.55	1.78	955.497		
400.00	399.84	335.89	335.88	1.34	1.12	-11.59	900.71	1,446.29	1,697.10	1,694.64	2.46	691.204		
500.00	499.45	436.89	436.87	1.71	1.48	-11.72	902.23	1,446.54	1,689.57	1,686.39	3.18	531.172		
600.00	598.70	529.42	529.38	2.10	1.81	-11.90	904.20	1,446.65	1,678.86	1,674.98	3.88	432.750		
700.00	697.47	623.68	623.54	2.51	2.15	-12.19	908.27	1,445.95	1,665.21	1,660.62	4.59	362.777		
800.00	795.62	721.63	721.32	2.95	2.50	-12.60	913.80	1,444.29	1,648.15	1,642.83	5.32	309.644		
900.00	893.06	806.81	806.20	3.43	2.82	-13.09	920.68	1,442.04	1,628.34	1,622.32	6.02	270.530		
1,000.00	899.64	893.06	891.94	3.95	3.14	-13.71	929.50	1,439.21	1,605.95	1,599.22	6.73	238.458		
1,100.00	1,085.27	973.00	971.20	4.52	3.45	-14.41	939.42	1,436.05	1,581.12	1,573.68	7.44	212.405		
1,200.00	1,179.82	1,030.31	1,027.86	5.14	3.68	-15.03	947.77	1,434.09	1,554.86	1,546.78	8.08	192.357		
1,300.00	1,273.17	1,092.74	1,089.41	5.81	3.93	-15.76	958.14	1,432.98	1,527.93	1,519.17	8.76	174.390		
1,400.00	1,365.21	1,172.61	1,167.94	6.54	4.27	-16.76	972.72	1,431.85	1,499.40	1,489.86	9.54	157.245		
1,500.00	1,455.84	1,256.00	1,249.59	7.33	4.63	-17.97	989.47	1,429.57	1,468.28	1,457.92	10.36	141.726		
1,600.00	1,544.94	1,333.26	1,324.82	8.19	4.99	-19.28	1,006.78	1,426.66	1,435.26	1,424.06	11.20	128.132		
1,700.00	1,632.39	1,402.49	1,391.76	9.12	5.32	-20.66	1,024.18	1,423.86	1,401.25	1,389.20	12.05	116.257		
1,800.00	1,718.11	1,462.98	1,449.74	10.11	5.63	-22.07	1,041.16	1,420.80	1,366.31	1,353.39	12.91	105.817		
1,900.00	1,801.97	1,525.00	1,508.24	11.18	5.97	-23.71	1,061.45	1,417.38	1,331.81	1,317.97	13.85	96.192		
1,969.27	1,858.92	1,548.16	1,529.85	11.96	6.11	-24.47	1,069.69	1,416.06	1,308.02	1,293.61	14.41	90.780		
2,000.00	1,883.98	1,568.84	1,549.10	12.31	6.23	-24.98	1,077.15	1,414.87	1,297.66	1,282.92	14.73	88.070		
2,100.00	1,965.50	1,666.97	1,640.00	13.48	6.83	-27.53	1,113.38	1,407.71	1,265.00	1,248.93	16.07	78.732		
2,200.00	2,047.03	1,741.75	1,708.64	14.65	7.32	-29.65	1,141.99	1,399.80	1,233.78	1,216.45	17.33	71.175		
2,300.00	2,128.56	1,818.27	1,778.12	15.84	7.84	-31.97	1,172.59	1,390.27	1,205.51	1,186.80	18.71	64.443		
2,400.00	2,210.09	1,891.76	1,844.72	17.03	8.36	-34.29	1,202.09	1,380.49	1,180.00	1,159.87	20.13	58.615		
2,500.00	2,291.61	1,961.00	1,907.01	18.23	8.87	-36.55	1,230.77	1,370.93	1,158.45	1,136.87	21.58	53.673		
2,600.00	2,373.14	2,008.74	1,949.63	19.44	9.23	-38.15	1,251.24	1,364.32	1,141.38	1,118.53	22.85	49.944		
2,700.00	2,454.67	2,066.27	2,000.65	20.64	9.68	-40.10	1,276.67	1,356.62	1,129.30	1,105.06	24.24	46.583		
2,800.00	2,536.20	2,135.63	2,062.01	21.86	10.23	-42.47	1,307.77	1,347.77	1,121.78	1,095.99	25.79	43.493		
2,900.00	2,617.72	2,204.74	2,123.18	23.07	10.78	-44.81	1,338.88	1,339.57	1,118.54	1,091.20	27.34	40.908		
2,925.61	2,638.60	2,222.58	2,138.97	23.38	10.92	-45.41	1,346.93	1,337.60	1,118.40	1,090.66	27.74	40.315 CC, ES		
3,000.00	2,699.25	2,274.57	2,185.01	24.29	11.34	-47.16	1,370.45	1,332.13	1,119.57	1,090.67	28.90	38.742		
3,100.00	2,780.78	2,345.52	2,247.80	25.50	11.91	-49.51	1,402.75	1,325.19	1,124.77	1,094.31	30.46	36.927		
3,200.00	2,862.31	2,422.07	2,315.51	26.73	12.54	-52.03	1,437.70	1,317.79	1,133.80	1,101.71	32.09	35.329		
3,300.00	2,943.83	2,502.84	2,386.94	27.95	13.20	-54.67	1,474.45	1,309.44	1,146.30	1,112.51	33.78	33.929		
3,400.00	3,025.36	2,578.96	2,454.30	29.17	13.83	-57.15	1,508.88	1,300.97	1,162.12	1,126.73	35.40	32.833		
3,500.00	3,106.89	2,652.76	2,519.61	30.40	14.44	-59.51	1,542.31	1,292.99	1,181.46	1,144.51	36.95	31.976		
3,600.00	3,188.42	2,716.00	2,575.60	31.62	14.97	-61.45	1,571.12	1,287.04	1,204.20	1,165.90	38.30	31.438		
3,700.00	3,269.94	2,773.68	2,626.33	32.85	15.46	-63.17	1,598.11	1,282.13	1,230.91	1,191.37	39.53	31.135		
3,800.00	3,351.47	2,830.44	2,675.62	34.07	15.95	-64.80	1,625.85	1,277.44	1,261.94	1,221.22	40.72	30.991		
3,900.00	3,433.00	2,905.73	2,740.82	35.30	16.61	-66.92	1,662.96	1,271.02	1,295.92	1,253.70	42.22	30.692		
4,000.00	3,514.53	2,980.92	2,805.93	36.53	17.28	-68.98	1,699.91	1,264.08	1,332.27	1,288.55	43.72	30.474		
4,100.00	3,596.05	3,081.09	2,893.06	37.76	18.16	-71.64	1,748.41	1,254.49	1,370.31	1,324.64	45.66	30.009		
4,200.00	3,677.58	3,144.11	2,948.13	38.99	18.71	-73.23	1,778.50	1,248.73	1,409.71	1,362.79	46.92	30.046		
4,300.00	3,759.11	3,203.77	2,999.85	40.22	19.24	-74.69	1,807.69	1,243.09	1,451.94	1,403.85	48.09	30.191		
4,400.00	3,840.64	3,274.45	3,061.03	41.45	19.88	-76.39	1,842.26	1,235.47	1,496.33	1,446.87	49.47	30.250		
4,500.00	3,922.16	3,345.37	3,122.41	42.68	20.52	-78.06	1,876.74	1,226.94	1,542.53	1,491.70	50.83	30.345		
4,600.00	4,003.69	3,485.84	3,245.23	43.91	21.76	-81.24	1,942.51	1,209.18	1,589.48	1,535.99	53.49	29.715		
4,700.00	4,085.22	3,518.43	3,273.82	45.15	22.05	-81.96	1,957.54	1,204.87	1,636.87	1,582.75	54.12	30.243		
4,800.00	4,166.75	3,566.00	3,315.23	46.38	22.47	-82.97	1,980.05	1,198.42	1,686.95	1,631.95	55.00	30.669		
4,900.00	4,248.27	3,676.00	3,410.98	47.61	23.46	-85.17	2,032.38	1,184.51	1,738.17	1,681.08	57.09	30.447		
5,000.00	4,329.80	3,730.32	3,458.18	48.84	23.95	-86.16	2,058.62	1,178.62	1,790.06	1,731.95	58.10	30.808		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T4N-R68W - EXIST HZ FLASCHENRIEM 5 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 23-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,411.33	3,796.32	3,515.16	50.08	24.55	-87.30	2,091.28	1,172.19	1,843.30	1,783.95	59.34	31.062		
5,200.00	4,492.86	3,862.44	3,572.07	51.31	25.16	-88.38	2,124.33	1,165.80	1,897.65	1,837.07	60.58	31.323		
5,300.00	4,574.38	3,922.18	3,623.41	52.54	25.71	-89.34	2,154.20	1,159.42	1,953.23	1,891.54	61.69	31.663		
5,400.00	4,655.91	3,984.49	3,676.92	53.78	26.29	-90.32	2,185.24	1,151.92	2,010.03	1,947.19	62.84	31.989		
5,500.00	4,737.44	4,052.70	3,735.48	55.01	26.92	-91.38	2,219.05	1,143.01	2,067.84	2,003.74	64.09	32.263		
5,600.00	4,818.97	4,147.32	3,817.16	56.24	27.80	-92.79	2,265.08	1,130.18	2,125.94	2,060.07	65.87	32.275		
5,700.00	4,900.49	4,245.21	3,902.21	57.48	28.69	-94.19	2,311.80	1,117.35	2,183.82	2,116.13	67.69	32.260		
5,800.00	4,982.02	4,337.51	3,982.57	58.71	29.52	-95.40	2,355.89	1,106.55	2,241.55	2,172.14	69.41	32.295		
5,900.00	5,063.55	4,427.18	4,060.48	59.95	30.33	-96.48	2,399.42	1,097.81	2,299.23	2,228.14	71.08	32.345		
6,000.00	5,145.08	4,514.30	4,136.05	61.18	31.12	-97.43	2,442.16	1,090.53	2,356.90	2,284.18	72.72	32.412		
6,100.00	5,226.60	4,595.40	4,197.65	62.42	31.76	-98.17	2,477.20	1,084.89	2,414.84	2,340.80	74.04	32.614		
6,200.00	5,308.13	4,644.93	4,249.19	63.65	32.30	-98.77	2,506.59	1,079.94	2,473.40	2,398.26	75.14	32.919		
6,300.00	5,389.66	4,699.51	4,296.44	64.89	32.80	-99.32	2,533.38	1,074.61	2,532.90	2,456.78	76.13	33.272		
6,400.00	5,471.19	4,771.97	4,359.20	66.12	33.46	-100.04	2,568.75	1,066.89	2,593.06	2,515.60	77.46	33.477		
6,500.00	5,552.72	4,836.41	4,415.07	67.36	34.05	-100.66	2,600.06	1,059.70	2,653.66	2,575.04	78.63	33.750		
6,600.00	5,634.24	4,900.13	4,470.27	68.59	34.64	-101.27	2,630.97	1,052.15	2,714.91	2,635.13	79.78	34.032		
6,700.00	5,715.77	4,976.18	4,536.21	69.83	35.34	-101.97	2,667.71	1,042.89	2,776.51	2,695.35	81.16	34.209		
6,800.00	5,797.30	5,029.81	4,582.71	71.06	35.83	-102.45	2,693.55	1,036.09	2,838.60	2,756.50	82.11	34.572		
6,900.00	5,878.83	5,083.59	4,629.27	72.30	36.32	-102.93	2,719.45	1,028.75	2,901.50	2,818.46	83.04	34.939		
7,000.00	5,960.35	5,159.56	4,695.18	73.53	37.02	-103.61	2,755.59	1,017.74	2,964.82	2,880.41	84.41	35.124		
7,100.00	6,041.88	5,241.09	4,771.14	74.77	37.69	-104.30	2,800.99	1,006.26	3,010.48	2,881.66	128.82	23.370		
7,200.00	6,123.41	5,322.62	4,847.67	76.01	38.36	-105.00	2,846.77	994.78	3,060.99	2,932.17	129.95	23.288		
7,300.00	6,204.94	5,404.15	4,924.20	77.24	39.03	-105.70	2,893.00	983.27	3,111.50	2,982.68	131.08	23.206		
7,400.00	6,286.46	5,485.68	4,000.73	78.48	39.70	-106.40	2,939.23	971.76	3,161.50	3,033.19	132.21	23.124		
7,500.00	6,367.99	5,567.21	4,077.26	79.71	40.37	-107.10	2,985.46	960.25	3,211.50	3,083.70	133.34	23.042		
7,600.00	6,449.52	5,648.74	4,153.79	80.95	41.04	-107.80	3,031.69	948.74	3,261.50	3,134.21	134.47	22.960		
7,700.00	6,531.05	5,730.27	4,230.32	82.19	41.71	-108.50	3,077.92	937.23	3,311.50	3,184.72	135.60	22.878		
7,800.00	6,612.57	5,811.80	4,306.85	83.42	42.38	-109.20	3,124.15	925.72	3,361.50	3,235.23	136.73	22.796		
7,900.00	6,694.10	5,893.33	4,383.38	84.66	43.05	-109.90	3,170.38	914.21	3,411.50	3,285.74	137.86	22.714		
8,000.00	6,775.63	5,974.86	4,459.91	85.89	43.72	-110.60	3,216.61	902.70	3,461.50	3,336.25	138.99	22.632		
8,100.00	6,857.16	6,056.39	4,536.44	87.13	44.39	-111.30	3,262.84	891.19	3,511.50	3,386.76	140.12	22.550		
8,200.00	6,938.68	6,137.92	4,612.97	88.37	45.06	-112.00	3,309.07	879.68	3,561.50	3,437.27	141.25	22.468		
8,300.00	7,020.21	6,219.45	4,689.50	89.60	45.73	-112.70	3,355.30	868.17	3,611.50	3,487.78	142.38	22.386		
8,310.57	7,028.83	6,227.07	4,697.12	89.73	45.86	-112.83	3,360.71	866.66	3,616.91	3,492.91	142.51	22.373		
8,350.00	7,060.23	6,258.45	4,728.50	90.25	46.16	-113.16	3,377.70	860.15	3,637.21	3,508.21	142.64	22.360		
8,400.00	7,097.77	6,295.99	4,765.04	90.98	46.50	-113.50	3,394.69	853.64	3,657.51	3,523.51	142.77	22.347		
8,450.00	7,132.48	6,333.53	4,801.58	91.79	46.84	-113.84	3,411.68	847.13	3,677.81	3,538.81	142.90	22.334		
8,500.00	7,164.10	6,371.07	4,838.12	92.67	47.18	-114.18	3,428.67	840.62	3,698.11	3,554.11	143.03	22.321		
8,550.00	7,192.40	6,408.61	4,874.66	93.63	47.52	-114.52	3,445.66	834.11	3,718.41	3,569.41	143.16	22.308		
8,600.00	7,217.15	6,446.15	4,911.20	94.64	47.86	-114.86	3,462.65	827.60	3,738.71	3,584.71	143.29	22.295		
8,650.00	7,238.16	6,483.69	4,947.74	95.70	48.20	-115.20	3,479.64	821.09	3,759.01	3,599.99	143.42	22.282		
8,700.00	7,255.29	6,521.23	4,984.28	96.80	48.54	-115.54	3,496.63	814.58	3,779.31	3,615.29	143.55	22.269		
8,750.00	7,268.39	6,558.77	5,020.82	97.92	48.88	-115.88	3,513.62	808.07	3,799.61	3,630.59	143.68	22.256		
8,800.00	7,277.37	6,596.31	5,057.36	99.06	49.22	-116.22	3,530.61	801.56	3,819.91	3,645.89	143.81	22.243		
8,850.00	7,282.15	6,633.85	5,093.90	100.20	49.56	-116.56	3,547.60	795.05	3,840.21	3,661.19	143.94	22.230		
8,881.61	7,283.00	6,671.39	5,130.44	100.91	49.90	-116.90	3,564.59	788.54	3,860.51	3,676.49	144.07	22.217		
8,900.00	7,283.00	6,708.93	5,166.98	101.33	50.24	-117.24	3,581.58	782.03	3,880.81	3,691.79	144.20	22.204		
8,915.41	7,283.00	6,746.47	5,203.52	101.67	50.58	-117.58	3,598.57	775.52	3,901.11	3,707.09	144.33	22.191		
9,000.00	7,283.00	6,784.01	5,239.06	103.59	50.92	-117.92	3,615.56	769.01	3,921.41	3,722.39	144.46	22.178		
9,100.00	7,283.00	6,821.55	5,274.60	105.87	51.26	-118.26	3,632.55	762.50	3,941.71	3,737.69	144.59	22.165		
9,200.00	7,283.00	6,859.09	5,310.14	108.18	51.60	-118.60	3,649.54	755.99	3,962.01	3,752.99	144.72	22.152		
9,300.00	7,283.00	6,896.63	5,345.68	110.50	51.94	-118.94	3,666.53	749.48	3,982.31	3,768.29	144.85	22.139		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 23-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,400.00	7,283.00	11,710.81	7,002.84	112.84	113.40	-84.66	4,045.55	4,948.42	2,528.52	2,307.86	220.66	11.459		
9,500.00	7,283.00	11,816.60	7,002.00	115.19	116.10	-84.64	4,045.18	5,054.20	2,528.10	2,302.38	225.72	11.200		
9,600.00	7,283.00	11,989.57	7,000.47	117.56	120.53	-84.60	4,041.32	5,227.11	2,525.77	2,294.55	231.22	10.924		
9,700.00	7,283.00	12,132.43	6,998.94	119.95	124.18	-84.55	4,034.88	5,369.82	2,521.23	2,284.77	236.46	10.662		
9,800.00	7,283.00	12,232.40	6,998.31	122.34	126.75	-84.52	4,029.40	5,469.64	2,515.66	2,274.14	241.52	10.416		
9,900.00	7,283.00	12,304.38	6,998.26	124.76	128.60	-84.52	4,025.92	5,541.53	2,510.72	2,264.24	246.48	10.186		
10,000.00	7,283.00	12,369.81	6,998.23	127.18	130.29	-84.51	4,023.62	5,606.92	2,507.07	2,255.69	251.39	9.973		
10,100.00	7,283.00	12,440.00	6,998.24	129.61	132.11	-84.51	4,022.25	5,677.10	2,504.90	2,248.59	256.31	9.773		
10,200.00	7,283.00	12,522.88	6,997.97	132.06	134.27	-84.50	4,021.39	5,759.97	2,503.69	2,242.38	261.30	9.582		
10,300.00	7,283.00	12,619.48	6,997.14	134.52	136.78	-84.48	4,020.50	5,856.56	2,502.69	2,236.29	266.40	9.394		
10,400.00	7,283.00	12,712.31	6,996.25	136.98	139.21	-84.45	4,019.83	5,949.39	2,501.90	2,230.42	271.49	9.216		
10,500.00	7,283.00	12,827.59	6,995.17	139.46	142.22	-84.43	4,018.87	6,064.65	2,501.01	2,224.27	276.74	9.037		
10,593.65	7,283.00	12,889.89	6,994.53	141.79	143.85	-84.41	4,018.59	6,126.95	2,500.49	2,219.16	281.33	8.888		
10,600.00	7,283.00	12,894.35	6,994.48	141.94	143.97	-84.41	4,018.60	6,131.41	2,500.50	2,218.85	281.64	8.878		
10,700.00	7,283.00	12,966.78	6,993.65	144.44	145.87	-84.39	4,019.10	6,203.83	2,501.13	2,214.57	286.56	8.728		
10,800.00	7,283.00	13,050.97	6,992.81	146.94	148.08	-84.38	4,020.55	6,288.01	2,502.75	2,211.17	291.58	8.583		
10,900.00	7,283.00	13,156.58	6,991.95	149.45	150.86	-84.36	4,022.51	6,393.59	2,504.52	2,207.71	296.81	8.438		
11,000.00	7,283.00	13,264.89	6,990.94	151.96	153.71	-84.34	4,024.10	6,501.89	2,505.91	2,203.83	302.08	8.296		
11,100.00	7,283.00	13,362.64	6,990.05	154.49	156.29	-84.32	4,025.41	6,599.62	2,507.17	2,199.91	307.25	8.160		
11,200.00	7,283.00	13,444.54	6,989.27	157.01	158.45	-84.31	4,026.81	6,681.52	2,508.81	2,196.53	312.27	8.034		
11,300.00	7,283.00	13,528.01	6,988.37	159.55	160.66	-84.29	4,028.91	6,764.95	2,511.25	2,193.95	317.30	7.915		
11,400.00	7,283.00	13,702.62	6,986.68	162.09	165.27	-84.26	4,031.95	6,939.52	2,513.23	2,190.02	323.21	7.776		
11,500.00	7,283.00	13,810.65	6,985.69	164.64	168.13	-84.24	4,031.11	7,047.54	2,512.35	2,183.86	328.49	7.648		
11,544.00	7,283.00	13,842.13	6,985.40	165.76	168.96	-84.23	4,031.04	7,079.01	2,512.21	2,181.51	330.70	7.597		
11,600.00	7,283.00	13,899.40	6,984.86	167.19	170.48	-84.22	4,031.10	7,136.29	2,512.24	2,178.61	333.64	7.530		
11,700.00	7,283.00	14,018.08	6,983.76	169.75	173.63	-84.19	4,030.55	7,254.96	2,511.70	2,172.69	339.01	7.409		
11,800.00	7,283.00	14,190.10	6,981.84	172.31	178.18	-84.14	4,026.56	7,426.91	2,509.29	2,164.68	344.61	7.282		
11,900.00	7,283.00	14,281.58	6,980.52	174.88	180.61	-84.10	4,023.07	7,518.31	2,505.50	2,155.68	349.82	7.162		
12,000.00	7,283.00	14,368.34	6,979.43	177.45	182.91	-84.07	4,020.57	7,605.04	2,502.58	2,147.57	355.01	7.049		
12,100.00	7,283.00	14,476.33	6,978.00	180.03	185.77	-84.03	4,017.18	7,712.96	2,499.41	2,139.12	360.29	6.937		
12,200.00	7,283.00	14,559.18	6,976.91	182.61	187.97	-83.99	4,014.72	7,795.77	2,496.45	2,130.99	365.47	6.831		
12,300.00	7,283.00	14,616.00	6,976.48	185.19	189.48	-83.98	4,013.59	7,852.57	2,494.57	2,124.10	370.47	6.733		
12,319.26	7,283.00	14,616.00	6,976.48	185.69	189.48	-83.98	4,013.59	7,852.57	2,494.50	2,123.15	371.34	6.717		
12,400.00	7,283.00	14,616.00	6,976.48	187.78	189.48	-83.98	4,013.59	7,852.57	2,495.80	2,121.04	374.76	6.660		
12,500.00	7,283.00	14,670.94	6,976.22	190.37	190.94	-83.98	4,014.59	7,907.50	2,498.60	2,119.21	379.39	6.586		
12,600.00	7,283.00	14,711.00	6,976.04	192.97	192.01	-83.98	4,017.64	7,947.43	2,505.33	2,121.69	383.64	6.530		
12,700.00	7,283.00	14,904.26	6,973.95	195.57	197.15	-83.96	4,029.16	8,140.30	2,511.50	2,121.13	390.37	6.434		
12,800.00	7,283.00	15,024.69	6,972.21	198.17	200.36	-83.93	4,032.98	8,260.66	2,514.61	2,118.71	395.90	6.352		
12,900.00	7,283.00	15,187.34	6,970.34	200.77	204.71	-83.90	4,036.77	8,423.25	2,517.29	2,115.47	401.81	6.265		
12,949.62	7,283.00	15,247.00	6,969.75	202.07	206.30	-83.88	4,036.72	8,482.90	2,517.17	2,112.66	404.52	6.223		
13,000.00	7,283.00	15,247.00	6,969.75	203.38	206.30	-83.88	4,036.72	8,482.90	2,517.68	2,110.98	406.70	6.190		
13,100.00	7,283.00	15,247.00	6,969.75	205.99	206.30	-83.88	4,036.72	8,482.90	2,521.66	2,111.08	410.58	6.142		
13,200.00	7,283.00	15,247.00	6,969.75	208.61	206.30	-83.88	4,036.72	8,482.90	2,529.59	2,115.76	413.84	6.113		
13,300.00	7,283.00	15,247.00	6,969.75	211.22	206.30	-83.88	4,036.72	8,482.90	2,541.44	2,124.97	416.47	6.102 SF		
13,400.00	7,283.00	15,247.00	6,969.75	213.84	206.30	-83.88	4,036.72	8,482.90	2,557.15	2,138.66	418.48	6.111		
13,500.00	7,283.00	15,247.00	6,969.75	216.47	206.30	-83.88	4,036.72	8,482.90	2,576.64	2,156.76	419.88	6.137		
13,600.00	7,283.00	15,247.00	6,969.75	219.09	206.30	-83.88	4,036.72	8,482.90	2,599.84	2,179.14	420.70	6.180		
13,700.00	7,283.00	15,247.00	6,969.75	221.72	206.30	-83.88	4,036.72	8,482.90	2,626.64	2,205.68	420.96	6.240		
13,800.00	7,283.00	15,247.00	6,969.75	224.34	206.30	-83.88	4,036.72	8,482.90	2,656.93	2,236.25	420.68	6.316		
13,900.00	7,283.00	15,247.00	6,969.75	226.97	206.30	-83.88	4,036.72	8,482.90	2,690.61	2,270.69	419.92	6.407		
14,000.00	7,283.00	15,247.00	6,969.75	229.61	206.30	-83.88	4,036.72	8,482.90	2,727.54	2,308.83	418.70	6.514		
14,100.00	7,283.00	15,247.00	6,969.75	232.24	206.30	-83.88	4,036.72	8,482.90	2,767.58	2,350.51	417.08	6.636		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T4N-R68W - EXIST HZ FLASCHENRIEM 5 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 23-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,283.00	15,247.00	6,969.75	234.88	206.30	-83.88	4,036.72	8,482.90	2,810.62	2,395.54	415.08	6.771		
14,300.00	7,283.00	15,247.00	6,969.75	237.52	206.30	-83.88	4,036.72	8,482.90	2,856.51	2,443.75	412.76	6.920		
14,400.00	7,283.00	15,247.00	6,969.75	240.16	206.30	-83.88	4,036.72	8,482.90	2,905.12	2,494.97	410.16	7.083		
14,500.00	7,283.00	15,247.00	6,969.75	242.80	206.30	-83.88	4,036.72	8,482.90	2,956.32	2,549.02	407.30	7.258		
14,600.00	7,283.00	15,247.00	6,969.75	245.44	206.30	-83.88	4,036.72	8,482.90	3,009.97	2,605.72	404.24	7.446		
14,700.00	7,283.00	15,247.00	6,969.75	248.09	206.30	-83.88	4,036.72	8,482.90	3,065.94	2,664.93	401.01	7.646		
14,800.00	7,283.00	15,247.00	6,969.75	250.74	206.30	-83.88	4,036.72	8,482.90	3,124.11	2,726.48	397.63	7.857		
14,900.00	7,283.00	15,247.00	6,969.75	253.38	206.30	-83.88	4,036.72	8,482.90	3,184.36	2,790.22	394.14	8.079		
15,000.00	7,283.00	15,247.00	6,969.75	256.03	206.30	-83.88	4,036.72	8,482.90	3,246.57	2,856.01	390.56	8.313		
15,100.00	7,283.00	15,247.00	6,969.75	258.69	206.30	-83.88	4,036.72	8,482.90	3,310.63	2,923.71	386.92	8.556		
15,200.00	7,283.00	15,247.00	6,969.75	261.34	206.30	-83.88	4,036.72	8,482.90	3,376.44	2,993.20	383.24	8.810		
15,300.00	7,283.00	15,247.00	6,969.75	263.99	206.30	-83.88	4,036.72	8,482.90	3,443.90	3,064.37	379.53	9.074		
15,400.00	7,283.00	15,247.00	6,969.75	266.65	206.30	-83.88	4,036.72	8,482.90	3,512.90	3,137.08	375.82	9.347		
15,500.00	7,283.00	15,247.00	6,969.75	269.31	206.30	-83.88	4,036.72	8,482.90	3,583.37	3,211.26	372.12	9.630		
15,600.00	7,283.00	15,247.00	6,969.75	271.96	206.30	-83.88	4,036.72	8,482.90	3,655.22	3,286.79	368.43	9.921		
15,700.00	7,283.00	15,247.00	6,969.75	274.62	206.30	-83.88	4,036.72	8,482.90	3,728.37	3,363.59	364.78	10.221		
15,800.00	7,283.00	15,247.00	6,969.75	277.28	206.30	-83.88	4,036.72	8,482.90	3,802.74	3,441.57	361.16	10.529		
15,900.00	7,283.00	15,247.00	6,969.75	279.94	206.30	-83.88	4,036.72	8,482.90	3,878.26	3,520.66	357.59	10.845		
16,000.00	7,283.00	15,247.00	6,969.75	282.61	206.30	-83.88	4,036.72	8,482.90	3,954.86	3,600.78	354.08	11.169		
16,100.00	7,283.00	15,247.00	6,969.75	285.27	206.30	-83.88	4,036.72	8,482.90	4,032.50	3,681.87	350.62	11.501		
16,200.00	7,283.00	15,247.00	6,969.75	287.94	206.30	-83.88	4,036.72	8,482.90	4,111.09	3,763.87	347.23	11.840		
16,300.00	7,283.00	15,247.00	6,969.75	290.60	206.30	-83.88	4,036.72	8,482.90	4,190.60	3,846.71	343.89	12.186		
16,400.00	7,283.00	15,247.00	6,969.75	293.27	206.30	-83.88	4,036.72	8,482.90	4,270.98	3,930.35	340.63	12.538		
16,500.00	7,283.00	15,247.00	6,969.75	295.94	206.30	-83.88	4,036.72	8,482.90	4,352.16	4,014.73	337.44	12.898		
16,600.00	7,283.00	15,247.00	6,969.75	298.60	206.30	-83.88	4,036.72	8,482.90	4,434.12	4,099.81	334.31	13.263		
16,700.00	7,283.00	15,247.00	6,969.75	301.27	206.30	-83.88	4,036.72	8,482.90	4,516.80	4,185.54	331.26	13.635		
16,800.00	7,283.00	15,247.00	6,969.75	303.94	206.30	-83.88	4,036.72	8,482.90	4,600.17	4,271.89	328.27	14.013		
16,900.00	7,283.00	15,247.00	6,969.75	306.62	206.30	-83.88	4,036.72	8,482.90	4,684.19	4,358.83	325.36	14.397		
17,000.00	7,283.00	15,247.00	6,969.75	309.29	206.30	-83.88	4,036.72	8,482.90	4,768.83	4,446.31	322.52	14.786		
17,100.00	7,283.00	15,247.00	6,969.75	311.96	206.30	-83.88	4,036.72	8,482.90	4,854.05	4,534.30	319.75	15.181		
17,200.00	7,283.00	15,247.00	6,969.75	314.63	206.30	-83.88	4,036.72	8,482.90	4,939.82	4,622.78	317.04	15.581		
17,300.00	7,283.00	15,247.00	6,969.75	317.31	206.30	-83.88	4,036.72	8,482.90	5,026.12	4,711.72	314.41	15.986		
17,400.00	7,283.00	15,247.00	6,969.75	319.98	206.30	-83.88	4,036.72	8,482.90	5,112.92	4,801.08	311.84	16.396		
17,500.00	7,283.00	15,247.00	6,969.75	322.66	206.30	-83.88	4,036.72	8,482.90	5,200.20	4,890.86	309.34	16.811		
17,600.00	7,283.00	15,247.00	6,969.75	325.34	206.30	-83.88	4,036.72	8,482.90	5,287.92	4,981.03	306.90	17.230		
17,700.00	7,283.00	15,247.00	6,969.75	328.01	206.30	-83.88	4,036.72	8,482.90	5,376.08	5,071.55	304.52	17.654		
17,800.00	7,283.00	15,247.00	6,969.75	330.69	206.30	-83.88	4,036.72	8,482.90	5,464.64	5,162.43	302.21	18.082		
17,900.00	7,283.00	15,247.00	6,969.75	333.37	206.30	-83.88	4,036.72	8,482.90	5,553.59	5,253.63	299.96	18.515		
18,000.00	7,283.00	15,247.00	6,969.75	336.05	206.30	-83.88	4,036.72	8,482.90	5,642.91	5,345.15	297.76	18.951		
18,100.00	7,283.00	15,247.00	6,969.75	338.73	206.30	-83.88	4,036.72	8,482.90	5,732.58	5,436.96	295.62	19.392		
18,200.00	7,283.00	15,247.00	6,969.75	341.41	206.30	-83.88	4,036.72	8,482.90	5,822.59	5,529.05	293.54	19.836		
18,300.00	7,283.00	15,247.00	6,969.75	344.09	206.30	-83.88	4,036.72	8,482.90	5,912.92	5,621.41	291.51	20.284		
18,400.00	7,283.00	15,247.00	6,969.75	346.77	206.30	-83.88	4,036.72	8,482.90	6,003.56	5,714.03	289.53	20.735		
18,500.00	7,283.00	15,247.00	6,969.75	349.46	206.30	-83.88	4,036.72	8,482.90	6,094.49	5,806.88	287.61	21.190		
18,600.00	7,283.00	15,247.00	6,969.75	352.14	206.30	-83.88	4,036.72	8,482.90	6,185.70	5,899.97	285.73	21.649		
18,700.00	7,283.00	15,247.00	6,969.75	354.82	206.30	-83.88	4,036.72	8,482.90	6,277.18	5,993.28	283.90	22.110		
18,800.00	7,283.00	15,247.00	6,969.75	357.51	206.30	-83.88	4,036.72	8,482.90	6,368.91	6,086.79	282.12	22.575		
18,900.00	7,283.00	15,247.00	6,969.75	360.19	206.30	-83.88	4,036.72	8,482.90	6,460.89	6,180.51	280.38	23.043		
19,000.00	7,283.00	15,247.00	6,969.75	362.88	206.30	-83.88	4,036.72	8,482.90	6,553.11	6,274.41	278.69	23.514		
19,100.00	7,283.00	15,247.00	6,969.75	365.56	206.30	-83.88	4,036.72	8,482.90	6,645.54	6,368.50	277.04	23.988		
19,200.00	7,283.00	15,247.00	6,969.75	368.25	206.30	-83.88	4,036.72	8,482.90	6,738.20	6,462.77	275.43	24.464		
19,247.68	7,283.00	15,247.00	6,969.75	369.53	206.30	-83.88	4,036.72	8,482.90	6,782.45	6,507.77	274.68	24.692		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

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Site Error:	0.00 usft	North Reference:	True
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Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 23-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	58.39	58.39	0.27	0.13	58.55	884.22	1,445.76	1,694.72	1,694.33	0.40	4,281.419		
200.00	200.00	161.03	161.03	0.63	0.49	58.52	884.63	1,444.99	1,694.28	1,693.16	1.12	1,510.547		
300.00	299.98	251.22	251.21	0.98	0.82	-11.14	885.56	1,444.46	1,692.61	1,690.81	1.80	941.343		
400.00	399.84	359.86	359.84	1.34	1.20	-11.25	886.86	1,443.75	1,687.55	1,685.00	2.55	662.635		
500.00	499.45	467.11	467.06	1.71	1.59	-11.42	888.32	1,442.04	1,678.35	1,675.06	3.29	509.398		
600.00	598.70	560.85	560.80	2.10	1.92	-11.56	888.43	1,441.25	1,665.76	1,661.76	4.00	416.906		
700.00	697.47	647.11	647.06	2.51	2.23	-11.75	889.01	1,440.78	1,650.34	1,645.66	4.67	353.113		
800.00	795.62	727.20	727.10	2.95	2.52	-12.02	891.41	1,440.05	1,632.47	1,627.13	5.34	305.991		
900.00	893.06	805.69	805.48	3.43	2.80	-12.38	895.64	1,439.33	1,612.51	1,606.51	6.00	268.834		
1,000.00	989.64	889.64	889.10	3.95	3.10	-12.91	902.84	1,437.72	1,590.17	1,583.47	6.69	237.563		
1,100.00	1,085.27	973.00	971.86	4.52	3.41	-13.59	912.53	1,435.49	1,565.63	1,558.23	7.40	211.454		
1,200.00	1,179.82	1,054.28	1,052.27	5.14	3.73	-14.39	924.03	1,432.72	1,538.80	1,530.67	8.13	189.291		
1,300.00	1,273.17	1,130.77	1,127.65	5.81	4.03	-15.29	936.61	1,429.49	1,509.68	1,500.82	8.86	170.375		
1,400.00	1,365.21	1,204.27	1,199.79	6.54	4.34	-16.30	950.31	1,426.30	1,478.86	1,469.25	9.61	153.924		
1,500.00	1,455.84	1,277.54	1,271.45	7.33	4.66	-17.44	965.27	1,423.24	1,446.46	1,436.08	10.38	139.290		
1,600.00	1,544.94	1,350.00	1,341.85	8.19	4.98	-18.74	982.02	1,419.65	1,412.54	1,401.35	11.20	126.151		
1,700.00	1,632.39	1,431.87	1,420.87	9.12	5.38	-20.41	1,002.85	1,414.74	1,376.99	1,364.88	12.11	113.702		
1,800.00	1,718.11	1,499.73	1,486.02	10.11	5.72	-22.01	1,021.32	1,410.26	1,340.06	1,327.05	13.01	103.008		
1,900.00	1,801.97	1,558.70	1,542.27	11.18	6.03	-23.60	1,038.57	1,406.38	1,302.60	1,288.68	13.92	93.568		
1,969.27	1,858.92	1,596.39	1,578.03	11.96	6.24	-24.71	1,050.27	1,404.14	1,276.74	1,262.16	14.57	87.610		
2,000.00	1,883.98	1,613.06	1,593.79	12.31	6.34	-25.11	1,055.61	1,403.21	1,265.46	1,250.59	14.87	85.102		
2,100.00	1,965.50	1,679.00	1,655.81	13.48	6.70	-26.76	1,077.77	1,399.94	1,231.09	1,215.15	15.94	77.235		
2,200.00	2,047.03	1,724.40	1,698.24	14.65	6.97	-27.94	1,093.80	1,398.19	1,200.18	1,183.25	16.93	70.911		
2,300.00	2,128.56	1,772.00	1,742.59	15.84	7.26	-29.19	1,111.06	1,396.95	1,173.12	1,155.16	17.96	65.327		
2,400.00	2,210.09	1,832.08	1,798.16	17.03	7.64	-30.80	1,133.87	1,396.35	1,150.20	1,131.07	19.13	60.131		
2,500.00	2,291.61	1,889.73	1,850.92	18.23	8.01	-32.38	1,157.11	1,396.68	1,131.89	1,111.58	20.32	55.712		
2,600.00	2,373.14	1,961.00	1,915.33	19.44	8.49	-34.45	1,187.61	1,395.92	1,117.41	1,095.72	21.69	51.515		
2,700.00	2,454.67	2,029.58	1,976.42	20.64	9.00	-36.58	1,218.64	1,393.22	1,106.67	1,083.56	23.11	47.878		
2,800.00	2,536.20	2,094.45	2,033.49	21.86	9.49	-38.69	1,249.20	1,389.20	1,100.04	1,075.50	24.53	44.836		
2,891.82	2,611.05	2,150.00	2,082.18	22.97	9.92	-40.48	1,275.82	1,386.42	1,097.97	1,072.18	25.80	42.563 CC		
2,900.00	2,617.72	2,150.00	2,082.18	23.07	9.92	-40.48	1,275.82	1,386.42	1,098.01	1,072.17	25.84	42.492 ES		
3,000.00	2,699.25	2,205.64	2,130.57	24.29	10.37	-42.25	1,303.22	1,384.78	1,101.09	1,073.96	27.13	40.592		
3,100.00	2,780.78	2,264.90	2,181.46	25.50	10.86	-44.09	1,333.58	1,384.45	1,109.54	1,081.10	28.45	39.007		
3,200.00	2,862.31	2,338.00	2,243.97	26.73	11.47	-46.38	1,371.44	1,382.85	1,121.55	1,091.56	29.98	37.408		
3,300.00	2,943.83	2,400.92	2,297.27	27.95	12.03	-48.40	1,404.75	1,380.04	1,137.60	1,106.24	31.36	36.272		
3,400.00	3,025.36	2,454.49	2,341.95	29.17	12.51	-50.12	1,434.13	1,376.93	1,158.52	1,125.96	32.56	35.579		
3,500.00	3,106.89	2,506.94	2,385.09	30.40	13.00	-51.80	1,463.76	1,373.45	1,184.15	1,150.44	33.71	35.125		
3,600.00	3,188.42	2,579.67	2,444.23	31.62	13.70	-54.13	1,505.60	1,367.12	1,213.91	1,178.67	35.24	34.445		
3,700.00	3,269.94	2,662.36	2,511.48	32.85	14.50	-56.87	1,552.31	1,355.60	1,246.30	1,209.33	36.97	33.709		
3,800.00	3,351.47	2,748.76	2,582.17	34.07	15.34	-59.68	1,600.08	1,341.96	1,281.14	1,242.37	38.77	33.046		
3,900.00	3,433.00	2,827.99	2,647.65	35.30	16.11	-62.15	1,643.10	1,330.19	1,317.96	1,277.56	40.41	32.618		
4,000.00	3,514.53	2,880.21	2,690.63	36.53	16.62	-63.68	1,672.00	1,323.53	1,357.98	1,316.50	41.48	32.738		
4,100.00	3,596.05	2,946.87	2,745.00	37.76	17.28	-65.50	1,709.95	1,316.70	1,401.11	1,358.27	42.84	32.706		
4,200.00	3,677.58	3,030.87	2,813.45	38.99	18.12	-67.60	1,758.31	1,311.13	1,445.93	1,401.37	44.56	32.451		
4,300.00	3,759.11	3,122.07	2,887.87	40.22	19.02	-69.64	1,810.94	1,308.17	1,491.64	1,445.21	46.43	32.128		
4,400.00	3,840.64	3,208.67	2,958.51	41.45	19.87	-71.38	1,861.02	1,308.39	1,537.87	1,489.67	48.20	31.904		
4,500.00	3,922.16	3,282.00	3,018.27	42.68	20.59	-72.78	1,903.52	1,308.30	1,585.40	1,535.69	49.71	31.891		
4,600.00	4,003.69	3,346.48	3,070.82	43.91	21.23	-74.00	1,940.87	1,307.18	1,634.38	1,583.34	51.04	32.023		
4,700.00	4,085.22	3,417.78	3,128.96	45.15	21.94	-75.33	1,982.09	1,305.09	1,684.64	1,632.14	52.51	32.084		
4,800.00	4,166.75	3,503.76	3,199.14	46.38	22.80	-76.87	2,031.66	1,301.91	1,735.99	1,681.70	54.29	31.979		
4,900.00	4,248.27	3,595.29	3,274.43	47.61	23.72	-78.41	2,083.65	1,299.54	1,787.01	1,730.84	56.18	31.810		
5,000.00	4,329.80	3,660.00	3,327.43	48.84	24.36	-79.45	2,120.72	1,297.55	1,839.42	1,781.91	57.51	31.985		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

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Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 23-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,411.33	3,722.46	3,378.42	50.08	24.99	-80.42	2,156.72	1,295.19	1,893.09	1,834.30	58.79	32.201		
5,200.00	4,492.86	3,808.10	3,448.41	51.31	25.85	-81.70	2,205.97	1,292.02	1,947.38	1,886.82	60.56	32.154		
5,300.00	4,574.38	3,874.05	3,502.27	52.54	26.52	-82.62	2,244.00	1,290.32	2,001.99	1,940.07	61.92	32.334		
5,400.00	4,655.91	3,916.90	3,537.20	53.78	26.96	-83.22	2,268.70	1,288.06	2,058.20	1,995.44	62.77	32.792		
5,500.00	4,737.44	3,963.57	3,575.18	55.01	27.43	-83.90	2,295.54	1,284.18	2,116.15	2,052.47	63.68	33.231		
5,600.00	4,818.97	4,018.54	3,619.91	56.24	28.00	-84.71	2,326.97	1,278.46	2,175.39	2,110.62	64.76	33.591		
5,700.00	4,900.49	4,082.30	3,671.80	57.48	28.66	-85.64	2,363.23	1,270.78	2,235.68	2,169.66	66.03	33.860		
5,800.00	4,982.02	4,155.85	3,731.67	58.71	29.42	-86.68	2,404.96	1,261.68	2,296.62	2,229.12	67.50	34.022		
5,900.00	5,063.55	4,299.58	3,848.95	59.95	30.90	-88.52	2,486.67	1,246.68	2,357.61	2,287.11	70.51	33.438		
6,000.00	5,145.08	4,479.75	3,997.03	61.18	32.71	-90.30	2,589.10	1,242.61	2,413.90	2,339.65	74.25	32.510		
6,100.00	5,226.60	4,540.30	4,046.44	62.42	33.32	-90.82	2,624.10	1,243.18	2,470.61	2,395.11	75.50	32.723		
6,200.00	5,308.13	4,604.00	4,098.38	63.65	33.96	-91.36	2,660.98	1,242.71	2,528.36	2,451.55	76.82	32.915		
6,300.00	5,389.66	4,652.76	4,138.12	64.89	34.46	-91.77	2,689.20	1,241.68	2,586.96	2,509.15	77.81	33.249		
6,400.00	5,471.19	4,712.76	4,187.03	66.12	35.07	-92.28	2,723.91	1,239.92	2,646.28	2,567.25	79.03	33.485		
6,500.00	5,552.72	4,766.17	4,230.55	67.36	35.62	-92.73	2,754.79	1,237.70	2,706.42	2,626.32	80.10	33.787		
6,600.00	5,634.24	4,827.02	4,280.11	68.59	36.24	-93.24	2,789.94	1,234.40	2,767.36	2,686.03	81.33	34.027		
6,700.00	5,715.77	4,902.43	4,341.64	69.83	37.02	-93.87	2,833.29	1,229.73	2,828.75	2,745.89	82.86	34.139		
6,800.00	5,797.30	5,027.59	4,445.21	71.06	38.27	-94.92	2,902.96	1,220.68	2,889.67	2,804.26	85.41	33.831		
6,900.00	5,878.83	5,136.46	4,537.56	72.30	39.32	-95.90	2,959.68	1,210.38	2,949.59	2,862.03	87.56	33.686		
7,000.00	5,960.35	5,249.67	4,629.67	73.53	40.46	-96.97	3,021.02	1,200.88	3,010.68	2,924.44	90.10	33.541		
7,100.00	6,041.88	5,372.28	4,735.03	74.77	41.71	-98.11	3,087.63	1,191.49	3,085.62	2,995.38	93.23	33.396		
7,200.00	6,123.41	5,504.89	4,844.35	76.01	43.06	-99.33	3,159.02	1,182.61	3,162.31	3,071.26	96.96	33.251		
7,300.00	6,204.94	5,647.50	4,957.66	77.24	44.51	-100.63	3,235.71	1,173.73	3,243.99	3,151.94	101.30	33.106		
7,400.00	6,286.46	5,795.11	5,074.97	78.48	46.06	-101.99	3,317.29	1,164.85	3,330.66	3,237.61	106.43	32.961		
7,500.00	6,367.99	5,947.72	5,196.28	79.71	47.71	-103.42	3,403.26	1,155.97	3,422.33	3,327.28	112.36	32.816		
7,600.00	6,449.52	6,105.33	5,321.59	80.95	49.46	-104.91	3,493.13	1,147.09	3,517.40	3,426.95	119.10	32.671		
7,700.00	6,531.05	6,267.94	5,450.90	82.19	51.31	-106.46	3,586.51	1,138.21	3,616.47	3,530.02	126.64	32.526		
7,800.00	6,612.57	6,435.55	5,584.21	83.42	53.26	-108.07	3,683.99	1,129.33	3,719.54	3,637.19	135.00	32.381		
7,900.00	6,694.10	6,608.16	5,721.52	84.66	55.31	-109.73	3,785.97	1,120.45	3,826.61	3,747.26	144.20	32.236		
8,000.00	6,775.63	6,785.77	5,862.83	85.89	57.46	-111.44	3,891.95	1,111.57	3,940.09	3,860.13	154.30	32.091		
8,100.00	6,857.16	6,982.38	6,018.14	87.13	59.71	-113.20	3,999.63	1,102.69	4,056.57	3,976.61	165.40	31.946		
8,200.00	6,938.68	7,184.99	6,177.45	88.37	62.06	-115.01	4,109.61	1,093.81	4,176.05	4,095.09	177.60	31.801		
8,300.00	7,020.21	7,393.60	6,340.76	89.60	64.51	-116.87	4,221.49	1,084.93	4,288.93	4,216.57	190.90	31.656		
8,310.57	7,028.83	7,404.00	6,352.10	89.73	64.74	-116.85	4,226.63	1,084.33	4,293.07	4,220.71	191.61	31.646		
8,350.00	7,060.23	7,437.61	6,385.51	90.25	65.18	-117.13	4,250.36	1,082.88	4,313.33	4,240.12	193.21	31.626		
8,400.00	7,097.77	7,474.22	6,421.12	90.98	65.71	-117.40	4,272.10	1,081.43	4,336.09	4,262.88	194.81	31.606		
8,450.00	7,132.48	7,514.83	6,460.73	91.79	66.31	-117.64	4,292.44	1,080.00	4,359.35	4,285.14	196.41	31.586		
8,500.00	7,164.10	7,559.44	6,504.34	92.67	67.04	-117.86	4,311.07	1,078.57	4,382.61	4,307.40	198.01	31.566		
8,550.00	7,192.40	7,608.05	6,551.95	93.63	67.88	-118.06	4,328.69	1,077.14	4,405.87	4,330.66	199.61	31.546		
8,600.00	7,217.15	7,659.66	6,602.56	94.64	68.71	-118.24	4,345.01	1,075.71	4,429.13	4,353.92	201.21	31.526		
8,650.00	7,238.16	7,714.27	6,657.17	95.70	69.62	-118.40	4,360.00	1,074.28	4,452.39	4,377.18	202.81	31.506		
8,700.00	7,255.29	7,771.88	6,715.78	96.80	70.61	-118.54	4,373.77	1,072.85	4,475.65	4,400.44	204.41	31.486		
8,750.00	7,268.39	7,832.49	6,778.39	97.92	71.68	-118.67	4,386.31	1,071.42	4,498.91	4,423.70	206.01	31.466		
8,800.00	7,277.37	7,896.10	6,844.00	99.06	72.81	-118.79	4,397.62	1,070.00	4,521.17	4,446.96	207.61	31.446		
8,837.95	7,281.39	7,913.51	6,861.41	99.92	73.06	-118.82	4,400.00	1,069.57	4,525.00	4,450.00	208.00	31.440		
8,850.00	7,282.15	7,918.00	6,865.00	100.20	73.25	-118.84	4,402.39	1,069.14	4,527.39	4,452.39	208.39	31.434		
8,881.61	7,283.00	7,923.11	6,868.11	100.91	73.49	-118.86	4,404.78	1,068.71	4,529.78	4,454.78	208.78	31.428		
8,900.00	7,283.00	7,926.31	6,870.31	101.33	73.69	-118.87	4,406.17	1,068.28	4,531.17	4,456.17	209.17	31.422		
9,000.00	7,283.00	7,938.80	6,880.80	103.59	74.94	-118.90	4,424.99	1,066.14	4,549.99	4,474.99	210.99	31.402		
9,100.00	7,283.00	7,954.66	6,894.66	105.87	76.23	-118.93	4,443.70	1,064.00	4,568.70	4,493.70	212.70	31.382		
9,200.00	7,283.00	7,973.82	6,911.82	108.18	77.56	-118.94	4,462.39	1,061.86	4,587.39	4,512.39	214.39	31.362		
9,300.00	7,283.00	8,000.00	6,946.00	110.50	78.94	-118.95	4,481.00	1,059.71	4,606.00	4,531.00	216.00	31.342		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 23-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,400.00	7,283.00	11,778.53	7,254.63	112.84	110.48	-90.42	3,772.50	4,917.65	2,244.64	2,026.54	218.10	10.292		
9,500.00	7,283.00	11,931.94	7,254.31	115.19	114.41	-90.42	3,771.87	5,071.06	2,244.00	2,020.53	223.47	10.042		
9,600.00	7,283.00	12,093.34	7,253.37	117.56	118.55	-90.39	3,766.80	5,232.36	2,240.52	2,011.75	228.77	9.794		
9,700.00	7,283.00	12,157.00	7,252.99	119.95	120.19	-90.38	3,764.33	5,295.97	2,236.64	2,002.91	233.73	9.569		
9,800.00	7,283.00	12,251.00	7,252.79	122.34	122.61	-90.38	3,761.93	5,389.94	2,233.92	1,995.12	238.80	9.355		
9,900.00	7,283.00	12,307.66	7,252.77	124.76	124.08	-90.38	3,761.36	5,446.60	2,232.59	1,988.90	243.69	9.162		
9,932.50	7,283.00	12,329.79	7,252.76	125.54	124.66	-90.38	3,761.32	5,468.73	2,232.48	1,987.19	245.29	9.101		
10,000.00	7,283.00	12,386.73	7,252.79	127.18	126.14	-90.38	3,761.54	5,525.67	2,232.62	1,983.94	248.67	8.978		
10,100.00	7,283.00	12,485.92	7,253.06	129.61	128.72	-90.39	3,762.16	5,624.86	2,233.08	1,979.28	253.80	8.799		
10,200.00	7,283.00	12,575.65	7,253.64	132.06	131.06	-90.40	3,762.69	5,714.59	2,233.52	1,974.66	258.87	8.628		
10,300.00	7,283.00	12,650.26	7,254.19	134.52	133.01	-90.42	3,763.87	5,789.18	2,234.95	1,971.13	263.82	8.471		
10,400.00	7,283.00	12,724.50	7,254.77	136.98	134.95	-90.43	3,765.89	5,863.39	2,237.52	1,968.77	268.75	8.326		
10,500.00	7,283.00	12,829.33	7,255.21	139.46	137.70	-90.44	3,769.20	5,968.17	2,240.51	1,966.55	273.96	8.178		
10,600.00	7,283.00	12,920.79	7,255.36	141.94	140.10	-90.44	3,772.28	6,059.58	2,243.70	1,964.65	279.06	8.040		
10,700.00	7,283.00	13,086.75	7,255.94	144.44	144.46	-90.46	3,775.48	6,225.50	2,245.43	1,960.63	284.79	7.884		
10,800.00	7,283.00	13,337.15	7,256.10	146.94	151.03	-90.46	3,767.48	6,475.70	2,241.49	1,951.06	290.43	7.718		
10,900.00	7,283.00	13,415.97	7,255.55	149.45	153.10	-90.45	3,762.83	6,554.38	2,235.47	1,939.82	295.66	7.561		
11,000.00	7,283.00	13,480.00	7,255.16	151.96	154.78	-90.44	3,760.00	6,618.35	2,230.88	1,930.02	300.85	7.415		
11,100.00	7,283.00	13,538.24	7,254.82	154.49	156.32	-90.43	3,758.43	6,676.56	2,228.02	1,922.05	305.97	7.282		
11,200.00	7,283.00	13,601.25	7,254.37	157.01	157.98	-90.42	3,757.92	6,739.57	2,226.99	1,915.97	311.03	7.160		
11,220.19	7,283.00	13,615.61	7,254.30	157.53	158.36	-90.42	3,757.93	6,753.92	2,226.97	1,914.92	312.05	7.137		
11,300.00	7,283.00	13,670.00	7,254.22	159.55	159.80	-90.42	3,758.29	6,808.32	2,227.38	1,911.33	316.06	7.047		
11,400.00	7,283.00	13,764.00	7,254.27	162.09	162.29	-90.42	3,759.69	6,902.31	2,228.71	1,907.46	321.26	6.937		
11,500.00	7,283.00	13,853.73	7,254.22	164.64	164.67	-90.42	3,761.43	6,992.02	2,230.47	1,904.05	326.42	6.833		
11,600.00	7,283.00	13,958.00	7,254.06	167.19	167.43	-90.41	3,763.47	7,096.27	2,232.26	1,900.54	331.72	6.729		
11,700.00	7,283.00	14,062.88	7,253.91	169.75	170.22	-90.41	3,765.28	7,201.14	2,233.82	1,896.80	337.02	6.628		
11,800.00	7,283.00	14,161.37	7,254.08	172.31	172.83	-90.41	3,766.83	7,299.61	2,235.23	1,892.95	342.28	6.530		
11,900.00	7,283.00	14,427.00	7,254.72	174.88	179.89	-90.43	3,764.42	7,565.11	2,235.98	1,887.92	348.06	6.424		
12,000.00	7,283.00	14,494.85	7,254.46	177.45	181.69	-90.42	3,760.70	7,632.86	2,230.50	1,877.11	353.38	6.312		
12,100.00	7,283.00	14,550.70	7,254.47	180.03	183.17	-90.42	3,758.86	7,688.68	2,227.04	1,868.42	358.62	6.210		
12,200.00	7,283.00	14,616.00	7,254.72	182.61	184.91	-90.43	3,758.11	7,753.97	2,225.60	1,861.81	363.79	6.118		
12,220.24	7,283.00	14,616.00	7,254.72	183.13	184.91	-90.43	3,758.11	7,753.97	2,225.51	1,860.76	364.75	6.101		
12,300.00	7,283.00	14,659.72	7,254.96	185.19	186.07	-90.44	3,758.50	7,797.69	2,226.12	1,857.42	368.70	6.038		
12,400.00	7,283.00	14,711.00	7,255.21	187.78	187.44	-90.44	3,759.95	7,848.95	2,228.80	1,855.32	373.48	5.968		
12,500.00	7,283.00	14,788.96	7,255.67	190.37	189.52	-90.45	3,763.39	7,926.83	2,233.06	1,854.57	378.49	5.900		
12,600.00	7,283.00	14,911.40	7,256.61	192.97	192.78	-90.48	3,769.04	8,049.13	2,237.56	1,853.50	384.06	5.826		
12,700.00	7,283.00	15,021.55	7,257.29	195.57	195.72	-90.49	3,773.21	8,159.20	2,241.19	1,851.71	389.48	5.754		
12,800.00	7,283.00	15,144.13	7,258.13	198.17	198.99	-90.51	3,776.92	8,281.72	2,244.07	1,849.04	395.03	5.681		
12,900.00	7,283.00	15,291.50	7,259.32	200.77	202.93	-90.54	3,779.14	8,429.07	2,245.46	1,844.74	400.72	5.604		
12,950.87	7,283.00	15,347.00	7,259.78	202.10	204.42	-90.56	3,779.15	8,484.57	2,245.37	1,841.92	403.46	5.565		
13,000.00	7,283.00	15,347.00	7,259.78	203.38	204.42	-90.56	3,779.15	8,484.57	2,245.91	1,840.23	405.68	5.536		
13,100.00	7,283.00	15,347.00	7,259.78	205.99	204.42	-90.56	3,779.15	8,484.57	2,250.32	1,840.70	409.62	5.494		
13,200.00	7,283.00	15,347.00	7,259.78	208.61	204.42	-90.56	3,779.15	8,484.57	2,259.15	1,846.36	412.79	5.473 SF		
13,300.00	7,283.00	15,347.00	7,259.78	211.22	204.42	-90.56	3,779.15	8,484.57	2,272.35	1,857.18	415.17	5.473		
13,400.00	7,283.00	15,347.00	7,259.78	213.84	204.42	-90.56	3,779.15	8,484.57	2,289.85	1,873.07	416.78	5.494		
13,500.00	7,283.00	15,347.00	7,259.78	216.47	204.42	-90.56	3,779.15	8,484.57	2,311.55	1,893.89	417.65	5.535		
13,600.00	7,283.00	15,347.00	7,259.78	219.09	204.42	-90.56	3,779.15	8,484.57	2,337.32	1,919.51	417.81	5.594		
13,700.00	7,283.00	15,347.00	7,259.78	221.72	204.42	-90.56	3,779.15	8,484.57	2,367.05	1,949.74	417.31	5.672		
13,800.00	7,283.00	15,347.00	7,259.78	224.34	204.42	-90.56	3,779.15	8,484.57	2,400.57	1,984.38	416.19	5.768		
13,900.00	7,283.00	15,347.00	7,259.78	226.97	204.42	-90.56	3,779.15	8,484.57	2,437.74	2,023.22	414.52	5.881		
14,000.00	7,283.00	15,347.00	7,259.78	229.61	204.42	-90.56	3,779.15	8,484.57	2,478.38	2,066.03	412.35	6.010		
14,100.00	7,283.00	15,347.00	7,259.78	232.24	204.42	-90.56	3,779.15	8,484.57	2,522.34	2,112.60	409.75	6.156		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 23-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,283.00	15,347.00	7,259.78	234.88	204.42	-90.56	3,779.15	8,484.57	2,569.44	2,162.68	406.76	6.317		
14,300.00	7,283.00	15,347.00	7,259.78	237.52	204.42	-90.56	3,779.15	8,484.57	2,619.52	2,216.06	403.46	6.493		
14,400.00	7,283.00	15,347.00	7,259.78	240.16	204.42	-90.56	3,779.15	8,484.57	2,672.39	2,272.51	399.88	6.683		
14,500.00	7,283.00	15,347.00	7,259.78	242.80	204.42	-90.56	3,779.15	8,484.57	2,727.92	2,331.83	396.09	6.887		
14,600.00	7,283.00	15,347.00	7,259.78	245.44	204.42	-90.56	3,779.15	8,484.57	2,785.92	2,393.80	392.12	7.105		
14,700.00	7,283.00	15,347.00	7,259.78	248.09	204.42	-90.56	3,779.15	8,484.57	2,846.26	2,458.23	388.02	7.335		
14,800.00	7,283.00	15,347.00	7,259.78	250.74	204.42	-90.56	3,779.15	8,484.57	2,908.78	2,524.95	383.83	7.578		
14,900.00	7,283.00	15,347.00	7,259.78	253.38	204.42	-90.56	3,779.15	8,484.57	2,973.35	2,593.78	379.57	7.833		
15,000.00	7,283.00	15,347.00	7,259.78	256.03	204.42	-90.56	3,779.15	8,484.57	3,039.84	2,664.56	375.28	8.100		
15,100.00	7,283.00	15,347.00	7,259.78	258.69	204.42	-90.56	3,779.15	8,484.57	3,108.13	2,737.15	370.98	8.378		
15,200.00	7,283.00	15,347.00	7,259.78	261.34	204.42	-90.56	3,779.15	8,484.57	3,178.10	2,811.41	366.69	8.667		
15,300.00	7,283.00	15,347.00	7,259.78	263.99	204.42	-90.56	3,779.15	8,484.57	3,249.64	2,887.21	362.43	8.966		
15,400.00	7,283.00	15,347.00	7,259.78	266.65	204.42	-90.56	3,779.15	8,484.57	3,322.64	2,964.44	358.21	9.276		
15,500.00	7,283.00	15,347.00	7,259.78	269.31	204.42	-90.56	3,779.15	8,484.57	3,397.03	3,042.98	354.05	9.595		
15,600.00	7,283.00	15,347.00	7,259.78	271.96	204.42	-90.56	3,779.15	8,484.57	3,472.70	3,122.75	349.95	9.923		
15,700.00	7,283.00	15,347.00	7,259.78	274.62	204.42	-90.56	3,779.15	8,484.57	3,549.57	3,203.65	345.92	10.261		
15,800.00	7,283.00	15,347.00	7,259.78	277.28	204.42	-90.56	3,779.15	8,484.57	3,627.57	3,285.59	341.98	10.608		
15,900.00	7,283.00	15,347.00	7,259.78	279.94	204.42	-90.56	3,779.15	8,484.57	3,706.63	3,368.51	338.12	10.963		
16,000.00	7,283.00	15,347.00	7,259.78	282.61	204.42	-90.56	3,779.15	8,484.57	3,786.68	3,452.33	334.35	11.326		
16,100.00	7,283.00	15,347.00	7,259.78	285.27	204.42	-90.56	3,779.15	8,484.57	3,867.65	3,536.99	330.66	11.697		
16,200.00	7,283.00	15,347.00	7,259.78	287.94	204.42	-90.56	3,779.15	8,484.57	3,949.50	3,622.43	327.07	12.075		
16,300.00	7,283.00	15,347.00	7,259.78	290.60	204.42	-90.56	3,779.15	8,484.57	4,032.17	3,708.60	323.58	12.461		
16,400.00	7,283.00	15,347.00	7,259.78	293.27	204.42	-90.56	3,779.15	8,484.57	4,115.61	3,795.44	320.17	12.854		
16,500.00	7,283.00	15,347.00	7,259.78	295.94	204.42	-90.56	3,779.15	8,484.57	4,199.77	3,882.91	316.86	13.254		
16,600.00	7,283.00	15,347.00	7,259.78	298.60	204.42	-90.56	3,779.15	8,484.57	4,284.61	3,970.97	313.64	13.661		
16,700.00	7,283.00	15,347.00	7,259.78	301.27	204.42	-90.56	3,779.15	8,484.57	4,370.09	4,059.58	310.51	14.074		
16,800.00	7,283.00	15,347.00	7,259.78	303.94	204.42	-90.56	3,779.15	8,484.57	4,456.18	4,148.71	307.47	14.493		
16,900.00	7,283.00	15,347.00	7,259.78	306.62	204.42	-90.56	3,779.15	8,484.57	4,542.84	4,238.32	304.51	14.918		
17,000.00	7,283.00	15,347.00	7,259.78	309.29	204.42	-90.56	3,779.15	8,484.57	4,630.03	4,328.39	301.64	15.349		
17,100.00	7,283.00	15,347.00	7,259.78	311.96	204.42	-90.56	3,779.15	8,484.57	4,717.73	4,418.88	298.86	15.786		
17,200.00	7,283.00	15,347.00	7,259.78	314.63	204.42	-90.56	3,779.15	8,484.57	4,805.92	4,509.76	296.15	16.228		
17,300.00	7,283.00	15,347.00	7,259.78	317.31	204.42	-90.56	3,779.15	8,484.57	4,894.56	4,601.03	293.53	16.675		
17,400.00	7,283.00	15,347.00	7,259.78	319.98	204.42	-90.56	3,779.15	8,484.57	4,983.62	4,692.64	290.98	17.127		
17,500.00	7,283.00	15,347.00	7,259.78	322.66	204.42	-90.56	3,779.15	8,484.57	5,073.10	4,784.59	288.51	17.584		
17,600.00	7,283.00	15,347.00	7,259.78	325.34	204.42	-90.56	3,779.15	8,484.57	5,162.96	4,876.86	286.10	18.046		
17,700.00	7,283.00	15,347.00	7,259.78	328.01	204.42	-90.56	3,779.15	8,484.57	5,253.19	4,969.42	283.77	18.512		
17,800.00	7,283.00	15,347.00	7,259.78	330.69	204.42	-90.56	3,779.15	8,484.57	5,343.76	5,062.26	281.51	18.983		
17,900.00	7,283.00	15,347.00	7,259.78	333.37	204.42	-90.56	3,779.15	8,484.57	5,434.67	5,155.36	279.31	19.458		
18,000.00	7,283.00	15,347.00	7,259.78	336.05	204.42	-90.56	3,779.15	8,484.57	5,525.89	5,248.72	277.17	19.937		
18,100.00	7,283.00	15,347.00	7,259.78	338.73	204.42	-90.56	3,779.15	8,484.57	5,617.41	5,342.31	275.10	20.420		
18,200.00	7,283.00	15,347.00	7,259.78	341.41	204.42	-90.56	3,779.15	8,484.57	5,709.21	5,436.13	273.08	20.906		
18,300.00	7,283.00	15,347.00	7,259.78	344.09	204.42	-90.56	3,779.15	8,484.57	5,801.29	5,530.16	271.13	21.397		
18,400.00	7,283.00	15,347.00	7,259.78	346.77	204.42	-90.56	3,779.15	8,484.57	5,893.62	5,624.40	269.23	21.891		
18,500.00	7,283.00	15,347.00	7,259.78	349.46	204.42	-90.56	3,779.15	8,484.57	5,986.20	5,718.82	267.38	22.389		
18,600.00	7,283.00	15,347.00	7,259.78	352.14	204.42	-90.56	3,779.15	8,484.57	6,079.02	5,813.43	265.58	22.889		
18,700.00	7,283.00	15,347.00	7,259.78	354.82	204.42	-90.56	3,779.15	8,484.57	6,172.05	5,908.22	263.84	23.394		
18,800.00	7,283.00	15,347.00	7,259.78	357.51	204.42	-90.56	3,779.15	8,484.57	6,265.31	6,003.17	262.14	23.901		
18,900.00	7,283.00	15,347.00	7,259.78	360.19	204.42	-90.56	3,779.15	8,484.57	6,358.77	6,098.28	260.49	24.411		
19,000.00	7,283.00	15,347.00	7,259.78	362.88	204.42	-90.56	3,779.15	8,484.57	6,452.42	6,193.54	258.88	24.924		
19,100.00	7,283.00	15,347.00	7,259.78	365.56	204.42	-90.56	3,779.15	8,484.57	6,546.26	6,288.94	257.32	25.440		
19,200.00	7,283.00	15,347.00	7,259.78	368.25	204.42	-90.56	3,779.15	8,484.57	6,640.29	6,384.49	255.80	25.959		
19,247.68	7,283.00	15,347.00	7,259.78	369.53	204.42	-90.56	3,779.15	8,484.57	6,685.17	6,430.08	255.09	26.207		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T4N-R68W - EXIST HZ FLASCHENRIEM 7 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 23-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	52.03	52.03	0.27	0.10	58.97	869.64	1,445.84	1,687.23	1,686.85	0.37	4,522.772		
200.00	200.00	142.75	142.75	0.63	0.43	58.97	870.08	1,446.06	1,687.68	1,686.62	1.06	1,596.484		
300.00	299.98	233.46	233.45	0.98	0.75	-10.68	871.03	1,446.54	1,686.96	1,685.23	1.74	971.469		
400.00	399.84	330.60	330.58	1.34	1.10	-10.76	872.61	1,447.33	1,683.35	1,680.91	2.44	689.356		
500.00	499.45	457.45	457.42	1.71	1.55	-10.89	873.60	1,447.36	1,675.15	1,671.90	3.26	514.467		
600.00	598.70	556.02	555.99	2.10	1.90	-11.04	874.09	1,446.75	1,662.93	1,658.95	3.97	418.819		
700.00	697.47	648.03	647.97	2.51	2.22	-11.27	875.92	1,445.71	1,647.64	1,642.97	4.67	352.995		
800.00	795.62	739.39	739.26	2.95	2.55	-11.59	879.24	1,444.18	1,629.40	1,624.03	5.37	303.564		
900.00	893.06	827.14	826.86	3.43	2.86	-12.00	883.85	1,442.30	1,608.29	1,602.23	6.06	265.196		
1,000.00	989.64	910.98	910.48	3.95	3.17	-12.49	889.62	1,440.36	1,584.64	1,577.88	6.76	234.410		
1,100.00	1,085.27	995.71	994.88	4.52	3.48	-13.09	896.79	1,438.35	1,558.56	1,551.09	7.47	208.584		
1,200.00	1,179.82	1,081.66	1,080.34	5.14	3.81	-13.82	905.58	1,435.77	1,529.80	1,521.59	8.21	186.442		
1,300.00	1,273.17	1,162.00	1,159.86	5.81	4.12	-14.69	916.59	1,432.75	1,499.19	1,490.25	8.94	167.704		
1,400.00	1,365.21	1,245.76	1,242.49	6.54	4.45	-15.75	929.80	1,429.09	1,466.36	1,456.65	9.71	150.938		
1,500.00	1,455.84	1,322.30	1,317.85	7.33	4.77	-16.87	942.62	1,425.28	1,430.92	1,420.43	10.49	136.391		
1,600.00	1,544.94	1,389.77	1,383.94	8.19	5.06	-18.05	955.72	1,421.58	1,393.99	1,382.73	11.27	123.736		
1,700.00	1,632.39	1,454.56	1,447.08	9.12	5.35	-19.35	969.80	1,418.22	1,356.11	1,344.04	12.07	112.380		
1,800.00	1,718.11	1,527.00	1,517.27	10.11	5.69	-20.97	987.26	1,414.17	1,317.12	1,304.17	12.96	101.663		
1,900.00	1,801.97	1,580.86	1,569.18	11.18	5.96	-22.39	1,001.34	1,411.34	1,277.54	1,263.73	13.81	92.500		
1,969.27	1,858.92	1,618.56	1,605.40	11.96	6.14	-23.44	1,011.68	1,409.84	1,250.18	1,235.75	14.44	86.600		
2,000.00	1,883.98	1,635.33	1,621.48	12.31	6.23	-23.82	1,016.41	1,409.31	1,238.22	1,223.49	14.72	84.109		
2,100.00	1,965.50	1,677.00	1,661.34	13.48	6.44	-24.78	1,028.51	1,408.32	1,201.55	1,185.95	15.59	77.050		
2,200.00	2,047.03	1,739.25	1,720.44	14.65	6.77	-26.28	1,048.02	1,407.59	1,168.43	1,151.78	16.65	70.190		
2,300.00	2,128.56	1,833.91	1,809.28	15.84	7.30	-28.76	1,080.66	1,406.20	1,138.97	1,120.96	18.01	63.250		
2,400.00	2,210.09	1,903.57	1,874.37	17.03	7.72	-30.78	1,105.17	1,402.30	1,110.00	1,090.72	19.28	57.564		
2,500.00	2,291.61	1,961.00	1,927.39	18.23	8.07	-32.50	1,127.09	1,399.77	1,085.92	1,065.40	20.52	52.921		
2,600.00	2,373.14	2,008.98	1,971.36	19.44	8.39	-33.96	1,146.25	1,398.55	1,066.62	1,044.92	21.70	49.159		
2,700.00	2,454.67	2,070.57	2,027.64	20.64	8.79	-35.82	1,171.24	1,398.30	1,051.79	1,028.76	23.03	45.674		
2,800.00	2,536.20	2,129.22	2,080.67	21.86	9.19	-37.64	1,196.30	1,398.08	1,041.60	1,017.25	24.35	42.768		
2,900.00	2,617.72	2,264.16	2,201.23	23.07	10.17	-42.26	1,256.07	1,389.57	1,034.46	1,007.73	26.73	38.701		
3,000.00	2,699.25	2,323.71	2,254.32	24.29	10.62	-44.42	1,282.28	1,383.10	1,029.21	1,000.98	28.23	36.456		
3,100.00	2,780.78	2,433.28	2,351.86	25.50	11.45	-48.54	1,329.75	1,367.92	1,027.32	996.85	30.47	33.718		
3,144.00	2,816.65	2,478.31	2,391.93	26.04	11.80	-50.31	1,348.53	1,359.58	1,027.05	995.61	31.43	32.673 CC		
3,200.00	2,862.31	2,533.44	2,441.00	26.73	12.22	-52.52	1,370.91	1,348.17	1,027.51	994.88	32.63	31.485 ES		
3,300.00	2,943.83	2,616.46	2,515.14	27.95	12.86	-55.87	1,403.60	1,330.11	1,031.32	996.78	34.55	29.853		
3,400.00	3,025.36	2,690.61	2,581.95	29.17	13.41	-58.78	1,432.18	1,315.35	1,039.49	1,003.22	36.27	28.658		
3,500.00	3,106.89	2,746.66	2,632.82	30.40	13.84	-60.88	1,453.94	1,306.41	1,052.40	1,014.75	37.65	27.954		
3,600.00	3,188.42	2,792.73	2,674.30	31.62	14.20	-62.52	1,473.03	1,300.35	1,071.24	1,032.46	38.77	27.627		
3,700.00	3,269.94	2,858.69	2,733.18	32.85	14.72	-64.78	1,501.84	1,293.00	1,095.31	1,055.13	40.18	27.261		
3,800.00	3,351.47	2,939.85	2,805.68	34.07	15.37	-67.48	1,537.10	1,283.69	1,122.62	1,080.80	41.82	26.844		
3,900.00	3,433.00	3,025.48	2,882.47	35.30	16.05	-70.25	1,573.74	1,273.96	1,152.47	1,108.95	43.51	26.486		
4,000.00	3,514.53	3,112.03	2,960.38	36.53	16.73	-72.84	1,610.65	1,266.42	1,184.40	1,139.20	45.19	26.207		
4,100.00	3,596.05	3,188.48	3,029.27	37.76	17.33	-75.01	1,643.28	1,260.54	1,218.55	1,171.88	46.67	26.108		
4,200.00	3,677.58	3,271.30	3,103.88	38.99	17.98	-77.24	1,678.78	1,254.82	1,254.81	1,206.56	48.25	26.006		
4,300.00	3,759.11	3,356.56	3,180.74	40.22	18.65	-79.39	1,715.37	1,250.02	1,292.66	1,242.80	49.86	25.926		
4,400.00	3,840.64	3,435.67	3,252.13	41.45	19.26	-81.29	1,749.17	1,245.78	1,332.00	1,280.65	51.34	25.943		
4,500.00	3,922.16	3,509.84	3,318.96	42.68	19.84	-82.99	1,781.12	1,242.05	1,373.06	1,320.34	52.73	26.042		
4,600.00	4,003.69	3,584.44	3,386.21	43.91	20.43	-84.67	1,813.04	1,237.02	1,416.00	1,361.90	54.10	26.173		
4,700.00	4,085.22	3,663.00	3,457.06	45.15	21.05	-86.32	1,846.68	1,232.67	1,459.84	1,404.30	55.54	26.285		
4,800.00	4,166.75	3,727.31	3,514.94	46.38	21.56	-87.62	1,874.47	1,229.00	1,505.33	1,448.63	56.70	26.550		
4,900.00	4,248.27	3,781.53	3,563.54	47.61	21.99	-88.73	1,898.03	1,224.25	1,553.39	1,495.75	57.64	26.952		
5,000.00	4,329.80	3,837.99	3,614.29	48.84	22.45	-89.93	1,921.58	1,216.71	1,603.55	1,544.98	58.58	27.375		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T4N-R68W - EXIST HZ FLASCHENRIEM 7 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 23-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,411.33	3,897.64	3,667.99	50.08	22.93	-91.25	1,945.35	1,206.27	1,655.73	1,596.19	59.53	27.812		
5,200.00	4,492.86	3,959.93	3,724.03	51.31	23.43	-92.62	1,969.70	1,194.19	1,709.62	1,649.11	60.51	28.253		
5,300.00	4,574.38	4,030.18	3,787.28	52.54	23.99	-94.13	1,996.68	1,179.80	1,764.86	1,703.24	61.62	28.642		
5,400.00	4,655.91	4,157.27	3,902.12	53.78	24.99	-96.62	2,045.78	1,156.41	1,820.40	1,756.59	63.81	28.530		
5,500.00	4,737.44	4,272.43	4,006.09	55.01	25.91	-98.42	2,093.80	1,144.70	1,873.87	1,808.05	65.83	28.466		
5,600.00	4,818.97	4,352.96	4,078.71	56.24	26.55	-99.57	2,127.79	1,137.13	1,928.12	1,860.91	67.20	28.691		
5,700.00	4,900.49	4,456.64	4,172.66	57.48	27.37	-100.96	2,170.92	1,129.21	1,981.39	1,912.38	69.01	28.713		
5,800.00	4,982.02	4,515.00	4,225.33	58.71	27.83	-101.69	2,195.64	1,124.74	2,035.77	1,965.80	69.97	29.095		
5,900.00	5,063.55	4,571.60	4,276.30	59.95	28.29	-102.38	2,219.75	1,119.80	2,091.38	2,020.49	70.89	29.502		
6,000.00	5,145.08	4,649.49	4,346.51	61.18	28.92	-103.33	2,252.57	1,112.05	2,147.91	2,075.71	72.20	29.749		
6,100.00	5,226.60	4,732.68	4,421.52	62.42	29.58	-104.27	2,287.76	1,104.64	2,204.32	2,130.71	73.61	29.946		
6,200.00	5,308.13	4,798.00	4,480.68	63.65	30.10	-105.02	2,314.53	1,097.50	2,261.59	2,186.92	74.67	30.289		
6,300.00	5,389.66	4,882.36	4,557.20	64.89	30.77	-105.97	2,348.70	1,087.83	2,319.36	2,243.30	76.06	30.493		
6,400.00	5,471.19	5,004.98	4,668.47	66.12	31.74	-107.21	2,398.95	1,076.55	2,376.33	2,298.16	78.17	30.399		
6,500.00	5,552.72	5,134.54	4,786.18	67.36	32.74	-108.37	2,452.37	1,067.89	2,432.27	2,351.87	80.40	30.253		
6,600.00	5,634.24	5,283.49	4,921.82	68.59	33.87	-109.54	2,513.68	1,063.15	2,485.98	2,403.03	82.95	29.969		
6,700.00	5,715.77	5,329.04	4,963.25	69.83	34.22	-109.87	2,532.57	1,061.94	2,539.84	2,456.11	83.73	30.335		
6,800.00	5,797.30	5,367.00	4,997.71	71.06	34.51	-110.14	2,548.43	1,060.59	2,594.88	2,510.53	84.35	30.764		
6,900.00	5,878.83	9,711.54	7,106.33	72.30	67.31	-91.55	3,494.79	3,199.56	2,642.38	2,529.59	112.79	23.428		
7,000.00	5,960.35	9,757.00	7,106.30	73.53	68.31	-90.63	3,494.34	3,245.02	2,585.69	2,469.23	116.45	22.203		
7,100.00	6,041.88	9,808.58	7,106.32	74.77	69.47	-89.58	3,493.93	3,296.59	2,530.64	2,410.39	120.24	21.046		
7,200.00	6,123.41	9,858.66	7,106.36	76.01	70.60	-88.54	3,493.61	3,346.68	2,477.30	2,353.22	124.08	19.966		
7,300.00	6,204.94	9,907.64	7,106.41	77.24	71.73	-87.51	3,493.40	3,395.65	2,425.81	2,297.85	127.97	18.957		
7,400.00	6,286.46	9,957.41	7,106.46	78.48	72.87	-86.44	3,493.30	3,445.43	2,376.29	2,244.39	131.90	18.016		
7,500.00	6,367.99	10,009.84	7,106.52	79.71	74.10	-85.30	3,493.26	3,497.85	2,328.82	2,192.93	135.89	17.138		
7,600.00	6,449.52	10,056.18	7,106.57	80.95	75.18	-84.28	3,493.29	3,544.19	2,283.52	2,143.68	139.84	16.329		
7,700.00	6,531.05	10,094.35	7,106.58	82.19	76.09	-83.42	3,493.57	3,582.36	2,240.79	2,097.04	143.75	15.588		
7,800.00	6,612.57	10,134.00	7,106.57	83.42	77.03	-82.53	3,494.17	3,622.01	2,200.82	2,053.19	147.64	14.907		
7,900.00	6,694.10	10,171.12	7,106.56	84.66	77.92	-81.68	3,495.03	3,659.12	2,163.77	2,012.31	151.46	14.286		
8,000.00	6,775.63	10,209.77	7,106.54	85.89	78.85	-80.79	3,496.20	3,697.75	2,129.79	1,974.56	155.22	13.721		
8,100.00	6,857.16	10,254.49	7,106.52	87.13	79.93	-79.75	3,497.88	3,742.44	2,098.96	1,940.04	158.93	13.207		
8,200.00	6,938.68	10,304.59	7,106.53	88.37	81.15	-78.57	3,499.90	3,792.50	2,071.21	1,908.67	162.54	12.743		
8,300.00	7,020.21	10,370.92	7,106.56	89.60	82.77	-77.00	3,502.55	3,858.77	2,046.49	1,880.37	166.11	12.320		
8,310.57	7,028.83	10,378.87	7,106.55	89.73	82.96	-76.81	3,502.83	3,866.72	2,044.03	1,877.54	166.49	12.277		
8,350.00	7,060.23	10,409.94	7,106.49	90.25	83.72	-79.03	3,503.86	3,897.77	2,035.36	1,867.45	167.91	12.122		
8,400.00	7,097.77	10,572.22	7,106.29	90.98	87.70	-78.60	3,503.54	4,059.98	2,024.57	1,854.20	170.37	11.883		
8,450.00	7,132.48	10,641.95	7,106.19	91.79	89.41	-79.86	3,500.27	4,129.63	2,013.55	1,841.18	172.37	11.682		
8,500.00	7,164.10	10,661.10	7,106.16	92.67	89.88	-81.73	3,499.39	4,148.76	2,003.90	1,829.55	174.35	11.493		
8,550.00	7,192.40	10,701.00	7,106.13	93.63	90.86	-82.90	3,498.10	4,188.64	1,995.94	1,819.47	176.46	11.311		
8,600.00	7,217.15	10,701.00	7,106.13	94.64	90.86	-84.36	3,498.10	4,188.64	1,989.11	1,810.56	178.56	11.140		
8,650.00	7,238.16	10,731.43	7,106.20	95.70	91.61	-85.11	3,497.56	4,219.06	1,983.89	1,803.10	180.79	10.973		
8,700.00	7,255.29	10,759.87	7,106.41	96.80	92.32	-85.68	3,497.34	4,247.50	1,980.05	1,796.98	183.07	10.816		
8,750.00	7,268.39	10,795.00	7,106.88	97.92	93.20	-86.01	3,497.44	4,282.63	1,977.55	1,792.14	185.40	10.666		
8,800.00	7,277.37	10,853.87	7,107.78	99.06	94.68	-86.12	3,497.67	4,341.49	1,975.97	1,788.09	187.88	10.517		
8,850.00	7,282.15	10,912.96	7,108.54	100.20	96.16	-86.20	3,497.38	4,400.58	1,974.72	1,784.36	190.37	10.373		
8,881.61	7,283.00	10,942.93	7,108.91	100.91	96.92	-86.25	3,497.22	4,430.54	1,974.32	1,782.41	191.91	10.288		
8,900.00	7,283.00	10,960.38	7,109.13	101.33	97.36	-86.26	3,497.13	4,447.98	1,974.19	1,781.38	192.81	10.239		
9,000.00	7,283.00	11,097.63	7,111.03	103.59	100.82	-86.31	3,494.89	4,585.20	1,972.22	1,774.37	197.84	9.969		
9,100.00	7,283.00	11,170.00	7,112.60	105.87	102.66	-86.35	3,494.00	4,657.55	1,970.58	1,767.87	202.71	9.721		
9,144.45	7,283.00	11,188.78	7,113.08	106.90	103.13	-86.37	3,494.03	4,676.32	1,970.41	1,765.59	204.82	9.620		
9,200.00	7,283.00	11,222.94	7,113.92	108.18	104.01	-86.39	3,494.36	4,710.47	1,970.78	1,763.30	207.48	9.499		
9,300.00	7,283.00	11,265.00	7,114.90	110.50	105.08	-86.42	3,495.28	4,752.51	1,973.11	1,761.02	212.09	9.303		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 23-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,400.00	7,283.00	11,335.75	7,116.53	112.84	106.90	-86.47	3,498.39	4,823.17	1,977.42	1,760.58	216.84	9.119		
9,500.00	7,283.00	11,415.19	7,118.32	115.19	108.94	-86.53	3,503.79	4,902.41	1,983.83	1,762.18	221.65	8.950		
9,600.00	7,283.00	11,686.28	7,119.94	117.56	115.92	-86.59	3,507.19	5,173.29	1,982.69	1,754.92	227.77	8.705		
9,689.92	7,283.00	11,737.00	7,120.00	119.71	117.23	-86.59	3,506.68	5,224.00	1,981.71	1,749.50	232.21	8.534		
9,700.00	7,283.00	11,737.00	7,120.00	119.95	117.23	-86.59	3,506.68	5,224.00	1,981.73	1,749.06	232.67	8.517		
9,800.00	7,283.00	11,797.26	7,120.05	122.34	118.79	-86.59	3,507.42	5,284.25	1,982.98	1,745.45	237.53	8.348		
9,900.00	7,283.00	11,856.89	7,120.00	124.76	120.34	-86.59	3,509.77	5,343.83	1,986.65	1,744.34	242.31	8.199		
10,000.00	7,283.00	12,238.22	7,119.32	127.18	130.19	-86.55	3,495.49	5,724.24	1,978.90	1,731.14	247.76	7.987		
10,100.00	7,283.00	12,329.87	7,118.93	129.61	132.55	-86.52	3,487.04	5,815.50	1,969.55	1,716.64	252.92	7.787		
10,200.00	7,283.00	12,398.00	7,118.73	132.06	134.31	-86.50	3,480.84	5,883.35	1,960.59	1,702.37	258.22	7.593		
10,300.00	7,283.00	12,449.88	7,118.81	134.52	135.66	-86.50	3,477.18	5,935.09	1,953.77	1,690.24	263.53	7.414		
10,400.00	7,283.00	12,494.00	7,119.14	136.98	136.81	-86.50	3,475.76	5,979.19	1,950.17	1,681.45	268.72	7.257		
10,444.00	7,283.00	12,494.00	7,119.14	138.07	136.81	-86.50	3,475.76	5,979.19	1,949.65	1,678.77	270.88	7.197		
10,500.00	7,283.00	12,494.00	7,119.14	139.46	136.81	-86.50	3,475.76	5,979.19	1,950.43	1,676.97	273.46	7.133		
10,600.00	7,283.00	12,588.00	7,119.72	141.94	139.27	-86.53	3,478.74	6,073.11	1,953.39	1,674.81	278.58	7.012		
10,700.00	7,283.00	12,603.70	7,119.75	144.44	139.69	-86.53	3,479.95	6,088.75	1,959.02	1,676.17	282.85	6.926		
10,800.00	7,283.00	12,850.88	7,119.86	146.94	146.19	-86.55	3,489.81	6,335.63	1,963.04	1,673.73	289.31	6.785		
10,900.00	7,283.00	12,965.00	7,119.55	149.45	149.20	-86.54	3,488.66	6,449.74	1,961.79	1,667.23	294.56	6.660		
11,000.00	7,283.00	13,060.00	7,119.60	151.96	151.71	-86.54	3,487.19	6,544.73	1,960.13	1,660.36	299.77	6.539		
11,041.66	7,283.00	13,090.20	7,119.71	153.01	152.51	-86.54	3,486.86	6,574.92	1,959.71	1,657.81	301.90	6.491		
11,100.00	7,283.00	13,111.49	7,119.80	154.49	153.07	-86.54	3,487.11	6,596.21	1,960.29	1,655.54	304.75	6.433		
11,200.00	7,283.00	13,155.00	7,120.01	157.01	154.22	-86.55	3,488.88	6,639.68	1,963.88	1,654.40	309.48	6.346		
11,300.00	7,283.00	13,327.83	7,120.76	159.55	158.79	-86.58	3,492.81	6,812.44	1,965.32	1,650.02	315.30	6.233		
11,400.00	7,283.00	13,439.00	7,121.03	162.09	161.74	-86.59	3,493.58	6,923.61	1,965.79	1,645.19	320.60	6.132		
11,500.00	7,283.00	13,505.43	7,121.22	164.64	163.50	-86.60	3,494.30	6,990.03	1,966.86	1,641.21	325.65	6.040		
11,600.00	7,283.00	13,576.10	7,121.46	167.19	165.38	-86.61	3,496.74	7,060.66	1,970.04	1,639.39	330.65	5.958		
11,700.00	7,283.00	13,689.18	7,121.39	169.75	168.38	-86.61	3,501.17	7,173.65	1,973.84	1,637.82	336.02	5.874		
11,800.00	7,283.00	13,773.01	7,121.34	172.31	170.61	-86.61	3,503.85	7,257.43	1,976.94	1,635.82	341.12	5.795		
11,900.00	7,283.00	13,847.45	7,121.29	174.88	172.59	-86.62	3,507.50	7,331.79	1,981.62	1,635.53	346.09	5.726		
12,000.00	7,283.00	14,165.47	7,120.18	177.45	181.03	-86.58	3,506.10	7,649.53	1,980.48	1,628.43	352.05	5.626		
12,100.00	7,283.00	14,241.88	7,119.95	180.03	183.06	-86.57	3,501.34	7,725.77	1,974.38	1,616.93	357.45	5.524		
12,200.00	7,283.00	14,288.00	7,119.84	182.61	184.28	-86.56	3,500.18	7,771.88	1,971.39	1,608.56	362.83	5.433		
12,237.72	7,283.00	14,288.00	7,119.84	183.58	184.28	-86.56	3,500.18	7,771.88	1,971.02	1,606.28	364.74	5.404		
12,300.00	7,283.00	14,288.00	7,119.84	185.19	184.28	-86.56	3,500.18	7,771.88	1,972.01	1,604.38	367.63	5.364		
12,400.00	7,283.00	14,333.80	7,119.77	187.78	185.50	-86.56	3,501.45	7,817.66	1,975.66	1,603.39	372.26	5.307		
12,500.00	7,283.00	14,383.00	7,119.74	190.37	186.80	-86.57	3,506.17	7,866.62	1,983.94	1,607.25	376.70	5.267		
12,600.00	7,283.00	14,408.36	7,119.75	192.97	187.47	-86.58	3,509.40	7,891.77	1,994.82	1,614.52	380.30	5.245		
12,700.00	7,283.00	14,822.09	7,120.33	195.57	198.47	-86.62	3,523.39	8,304.31	1,994.52	1,605.34	389.18	5.125		
12,800.00	7,283.00	14,989.20	7,120.16	198.17	202.93	-86.60	3,517.03	8,471.28	1,991.40	1,597.32	394.08	5.053		
12,900.00	7,283.00	15,002.00	7,120.14	200.77	203.27	-86.60	3,516.17	8,484.06	1,986.42	1,586.58	399.84	4.968		
12,949.92	7,283.00	15,002.00	7,120.14	202.08	203.27	-86.60	3,516.17	8,484.06	1,985.79	1,583.36	402.43	4.935		
13,000.00	7,283.00	15,002.00	7,120.14	203.38	203.27	-86.60	3,516.17	8,484.06	1,986.42	1,581.64	404.78	4.907		
13,100.00	7,283.00	15,002.00	7,120.14	205.99	203.27	-86.60	3,516.17	8,484.06	1,991.45	1,582.72	408.73	4.872		
13,200.00	7,283.00	15,002.00	7,120.14	208.61	203.27	-86.60	3,516.17	8,484.06	2,001.47	1,589.78	411.69	4.862 SF		
13,300.00	7,283.00	15,002.00	7,120.14	211.22	203.27	-86.60	3,516.17	8,484.06	2,016.41	1,602.75	413.66	4.875		
13,400.00	7,283.00	15,002.00	7,120.14	213.84	203.27	-86.60	3,516.17	8,484.06	2,036.16	1,621.49	414.66	4.910		
13,500.00	7,283.00	15,002.00	7,120.14	216.47	203.27	-86.60	3,516.17	8,484.06	2,060.57	1,645.82	414.75	4.968		
13,600.00	7,283.00	15,002.00	7,120.14	219.09	203.27	-86.60	3,516.17	8,484.06	2,089.49	1,675.51	413.98	5.047		
13,700.00	7,283.00	15,002.00	7,120.14	221.72	203.27	-86.60	3,516.17	8,484.06	2,122.73	1,710.30	412.43	5.147		
13,800.00	7,283.00	15,002.00	7,120.14	224.34	203.27	-86.60	3,516.17	8,484.06	2,160.09	1,749.90	410.19	5.266		
13,900.00	7,283.00	15,002.00	7,120.14	226.97	203.27	-86.60	3,516.17	8,484.06	2,201.37	1,794.03	407.33	5.404		
14,000.00	7,283.00	15,002.00	7,120.14	229.61	203.27	-86.60	3,516.17	8,484.06	2,246.34	1,842.38	403.95	5.561		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T4N-R68W - EXIST HZ FLASCHENRIEM 7 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 23-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	7,283.00	15,002.00	7,120.14	232.24	203.27	-86.60	3,516.17	8,484.06	2,294.79	1,894.65	400.13	5.735		
14,200.00	7,283.00	15,002.00	7,120.14	234.88	203.27	-86.60	3,516.17	8,484.06	2,346.50	1,950.55	395.95	5.926		
14,300.00	7,283.00	15,002.00	7,120.14	237.52	203.27	-86.60	3,516.17	8,484.06	2,401.27	2,009.78	391.48	6.134		
14,400.00	7,283.00	15,002.00	7,120.14	240.16	203.27	-86.60	3,516.17	8,484.06	2,458.88	2,072.09	386.79	6.357		
14,500.00	7,283.00	15,002.00	7,120.14	242.80	203.27	-86.60	3,516.17	8,484.06	2,519.15	2,137.20	381.95	6.596		
14,600.00	7,283.00	15,002.00	7,120.14	245.44	203.27	-86.60	3,516.17	8,484.06	2,581.88	2,204.89	376.99	6.849		
14,700.00	7,283.00	15,002.00	7,120.14	248.09	203.27	-86.60	3,516.17	8,484.06	2,646.91	2,274.94	371.98	7.116		
14,800.00	7,283.00	15,002.00	7,120.14	250.74	203.27	-86.60	3,516.17	8,484.06	2,714.07	2,347.13	366.94	7.397		
14,900.00	7,283.00	15,002.00	7,120.14	253.38	203.27	-86.60	3,516.17	8,484.06	2,783.19	2,421.29	361.91	7.690		
15,000.00	7,283.00	15,002.00	7,120.14	256.03	203.27	-86.60	3,516.17	8,484.06	2,854.15	2,497.24	356.91	7.997		
15,100.00	7,283.00	15,002.00	7,120.14	258.69	203.27	-86.60	3,516.17	8,484.06	2,926.81	2,574.83	351.98	8.315		
15,200.00	7,283.00	15,002.00	7,120.14	261.34	203.27	-86.60	3,516.17	8,484.06	3,001.04	2,653.91	347.13	8.645		
15,300.00	7,283.00	15,002.00	7,120.14	263.99	203.27	-86.60	3,516.17	8,484.06	3,076.72	2,734.36	342.36	8.987		
15,400.00	7,283.00	15,002.00	7,120.14	266.65	203.27	-86.60	3,516.17	8,484.06	3,153.77	2,816.07	337.70	9.339		
15,500.00	7,283.00	15,002.00	7,120.14	269.31	203.27	-86.60	3,516.17	8,484.06	3,232.07	2,898.92	333.15	9.702		
15,600.00	7,283.00	15,002.00	7,120.14	271.96	203.27	-86.60	3,516.17	8,484.06	3,311.54	2,982.83	328.71	10.074		
15,700.00	7,283.00	15,002.00	7,120.14	274.62	203.27	-86.60	3,516.17	8,484.06	3,392.09	3,067.70	324.39	10.457		
15,800.00	7,283.00	15,002.00	7,120.14	277.28	203.27	-86.60	3,516.17	8,484.06	3,473.66	3,153.46	320.20	10.848		
15,900.00	7,283.00	15,002.00	7,120.14	279.94	203.27	-86.60	3,516.17	8,484.06	3,556.17	3,240.04	316.13	11.249		
16,000.00	7,283.00	15,002.00	7,120.14	282.61	203.27	-86.60	3,516.17	8,484.06	3,639.55	3,327.37	312.18	11.658		
16,100.00	7,283.00	15,002.00	7,120.14	285.27	203.27	-86.60	3,516.17	8,484.06	3,723.76	3,415.40	308.36	12.076		
16,200.00	7,283.00	15,002.00	7,120.14	287.94	203.27	-86.60	3,516.17	8,484.06	3,808.72	3,504.07	304.66	12.502		
16,300.00	7,283.00	15,002.00	7,120.14	290.60	203.27	-86.60	3,516.17	8,484.06	3,894.41	3,593.33	301.07	12.935		
16,400.00	7,283.00	15,002.00	7,120.14	293.27	203.27	-86.60	3,516.17	8,484.06	3,980.76	3,683.15	297.61	13.376		
16,500.00	7,283.00	15,002.00	7,120.14	295.94	203.27	-86.60	3,516.17	8,484.06	4,067.73	3,773.48	294.25	13.824		
16,600.00	7,283.00	15,002.00	7,120.14	298.60	203.27	-86.60	3,516.17	8,484.06	4,155.29	3,864.28	291.01	14.279		
16,700.00	7,283.00	15,002.00	7,120.14	301.27	203.27	-86.60	3,516.17	8,484.06	4,243.40	3,955.53	287.87	14.741		
16,800.00	7,283.00	15,002.00	7,120.14	303.94	203.27	-86.60	3,516.17	8,484.06	4,332.03	4,047.19	284.84	15.209		
16,900.00	7,283.00	15,002.00	7,120.14	306.62	203.27	-86.60	3,516.17	8,484.06	4,421.14	4,139.24	281.91	15.683		
17,000.00	7,283.00	15,002.00	7,120.14	309.29	203.27	-86.60	3,516.17	8,484.06	4,510.71	4,231.64	279.07	16.163		
17,100.00	7,283.00	15,002.00	7,120.14	311.96	203.27	-86.60	3,516.17	8,484.06	4,600.71	4,324.38	276.33	16.649		
17,200.00	7,283.00	15,002.00	7,120.14	314.63	203.27	-86.60	3,516.17	8,484.06	4,691.11	4,417.44	273.68	17.141		
17,300.00	7,283.00	15,002.00	7,120.14	317.31	203.27	-86.60	3,516.17	8,484.06	4,781.90	4,510.79	271.11	17.638		
17,400.00	7,283.00	15,002.00	7,120.14	319.98	203.27	-86.60	3,516.17	8,484.06	4,873.05	4,604.41	268.63	18.140		
17,500.00	7,283.00	15,002.00	7,120.14	322.66	203.27	-86.60	3,516.17	8,484.06	4,964.53	4,698.30	266.23	18.647		
17,600.00	7,283.00	15,002.00	7,120.14	325.34	203.27	-86.60	3,516.17	8,484.06	5,056.34	4,792.43	263.91	19.159		
17,700.00	7,283.00	15,002.00	7,120.14	328.01	203.27	-86.60	3,516.17	8,484.06	5,148.46	4,886.79	261.66	19.676		
17,800.00	7,283.00	15,002.00	7,120.14	330.69	203.27	-86.60	3,516.17	8,484.06	5,240.86	4,981.37	259.49	20.197		
17,900.00	7,283.00	15,002.00	7,120.14	333.37	203.27	-86.60	3,516.17	8,484.06	5,333.54	5,076.16	257.38	20.722		
18,000.00	7,283.00	15,002.00	7,120.14	336.05	203.27	-86.60	3,516.17	8,484.06	5,426.48	5,171.14	255.34	21.252		
18,100.00	7,283.00	15,002.00	7,120.14	338.73	203.27	-86.60	3,516.17	8,484.06	5,519.66	5,266.30	253.37	21.785		
18,200.00	7,283.00	15,002.00	7,120.14	341.41	203.27	-86.60	3,516.17	8,484.06	5,613.08	5,361.63	251.45	22.323		
18,300.00	7,283.00	15,002.00	7,120.14	344.09	203.27	-86.60	3,516.17	8,484.06	5,706.73	5,457.13	249.59	22.864		
18,400.00	7,283.00	15,002.00	7,120.14	346.77	203.27	-86.60	3,516.17	8,484.06	5,800.58	5,552.79	247.80	23.409		
18,500.00	7,283.00	15,002.00	7,120.14	349.46	203.27	-86.60	3,516.17	8,484.06	5,894.64	5,648.59	246.05	23.957		
18,600.00	7,283.00	15,002.00	7,120.14	352.14	203.27	-86.60	3,516.17	8,484.06	5,988.89	5,744.53	244.36	24.509		
18,700.00	7,283.00	15,002.00	7,120.14	354.82	203.27	-86.60	3,516.17	8,484.06	6,083.32	5,840.60	242.72	25.063		
18,800.00	7,283.00	15,002.00	7,120.14	357.51	203.27	-86.60	3,516.17	8,484.06	6,177.93	5,936.81	241.12	25.621		
18,900.00	7,283.00	15,002.00	7,120.14	360.19	203.27	-86.60	3,516.17	8,484.06	6,272.70	6,033.13	239.58	26.182		
19,000.00	7,283.00	15,002.00	7,120.14	362.88	203.27	-86.60	3,516.17	8,484.06	6,367.64	6,129.56	238.08	26.746		
19,100.00	7,283.00	15,002.00	7,120.14	365.56	203.27	-86.60	3,516.17	8,484.06	6,462.73	6,226.11	236.62	27.313		
19,200.00	7,283.00	15,002.00	7,120.14	368.25	203.27	-86.60	3,516.17	8,484.06	6,557.96	6,322.76	235.20	27.882		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design		Sec 3-T4N-R68W - EXIST HZ FLASCHENRIEM 7 - OWB - FINAL SURVEY										Offset Site Error:	0.00 usft
Survey Program:		23-MWD OWSG										Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
19,247.68	7,283.00	15,002.00	7,120.14	369.53	203.27	-86.60	3,516.17	8,484.06	6,603.42	6,368.88	234.54	28.155	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T4N-R68W - EXIST HZ FLASCHENRIEM 8 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 23-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	53.69	53.69	0.27	0.11	59.94	836.87	1,445.82	1,670.55	1,670.17	0.38	4,408.703		
200.00	200.00	149.61	149.61	0.63	0.45	59.91	837.53	1,445.66	1,670.75	1,669.67	1.08	1,545.102		
300.00	299.98	250.34	250.32	0.98	0.82	-9.76	839.05	1,445.26	1,669.44	1,667.65	1.80	928.913		
400.00	399.84	355.36	355.33	1.34	1.19	-9.88	840.62	1,444.28	1,664.23	1,661.70	2.53	657.035		
500.00	499.45	457.77	457.74	1.71	1.56	-9.98	841.25	1,443.99	1,655.71	1,652.45	3.26	507.508		
600.00	598.70	553.93	553.89	2.10	1.89	-10.12	841.65	1,443.37	1,643.38	1,639.41	3.97	414.463		
700.00	697.47	645.56	645.52	2.51	2.20	-10.25	841.48	1,443.84	1,628.31	1,623.66	4.65	350.412		
800.00	795.62	736.29	736.25	2.95	2.51	-10.42	841.41	1,444.43	1,610.05	1,604.72	5.33	301.928		
900.00	893.06	827.75	827.69	3.43	2.84	-10.68	843.16	1,444.73	1,589.13	1,583.10	6.04	263.280		
1,000.00	989.64	921.63	921.51	3.95	3.17	-11.06	846.40	1,444.13	1,564.89	1,558.13	6.76	231.500		
1,100.00	1,085.27	1,006.27	1,005.98	4.52	3.48	-11.55	851.49	1,442.89	1,537.96	1,530.50	7.46	206.136		
1,200.00	1,179.82	1,093.95	1,093.26	5.14	3.80	-12.23	859.55	1,440.54	1,508.48	1,500.29	8.19	184.232		
1,300.00	1,273.17	1,182.34	1,180.91	5.81	4.13	-13.10	870.23	1,436.68	1,476.07	1,467.13	8.94	165.146		
1,400.00	1,365.21	1,256.00	1,253.70	6.54	4.42	-14.01	880.96	1,433.19	1,441.67	1,432.01	9.66	149.302		
1,500.00	1,455.84	1,323.34	1,319.97	7.33	4.69	-14.99	892.48	1,429.97	1,405.74	1,395.36	10.38	135.435		
1,600.00	1,544.94	1,399.05	1,394.10	8.19	5.00	-16.25	907.36	1,426.13	1,368.30	1,357.13	11.17	122.510		
1,700.00	1,632.39	1,475.56	1,468.80	9.12	5.33	-17.70	923.42	1,422.12	1,329.02	1,317.02	12.00	110.736		
1,800.00	1,718.11	1,546.13	1,537.28	10.11	5.65	-19.26	939.90	1,417.94	1,288.28	1,275.42	12.86	100.196		
1,900.00	1,801.97	1,630.66	1,619.06	11.18	6.05	-21.31	960.73	1,413.03	1,246.30	1,232.46	13.84	90.056		
1,969.27	1,858.92	1,700.78	1,686.87	11.96	6.38	-23.16	977.88	1,408.03	1,215.53	1,200.91	14.62	83.152		
2,000.00	1,883.98	1,728.57	1,713.77	12.31	6.52	-23.82	984.53	1,405.94	1,201.62	1,186.66	14.96	80.328		
2,100.00	1,965.50	1,811.84	1,794.50	13.48	6.92	-25.88	1,003.95	1,399.66	1,156.88	1,140.81	16.07	71.999		
2,200.00	2,047.03	1,891.46	1,871.60	14.65	7.32	-27.99	1,022.82	1,393.48	1,113.74	1,096.50	17.24	64.617		
2,300.00	2,128.56	1,978.34	1,955.91	15.84	7.75	-30.40	1,042.69	1,386.79	1,071.81	1,053.29	18.52	57.871		
2,400.00	2,210.09	2,054.18	2,029.81	17.03	8.12	-32.56	1,059.10	1,382.07	1,031.69	1,011.87	19.82	52.064		
2,500.00	2,291.61	2,108.21	2,082.49	18.23	8.38	-34.13	1,070.86	1,379.92	994.68	973.63	21.05	47.253		
2,600.00	2,373.14	2,166.95	2,139.59	19.44	8.67	-35.85	1,084.61	1,379.10	961.99	939.62	22.37	43.011		
2,700.00	2,454.67	2,245.00	2,215.31	20.64	9.05	-38.21	1,103.54	1,379.29	932.82	908.95	23.87	39.077		
2,800.00	2,536.20	2,321.13	2,288.98	21.86	9.44	-40.63	1,122.73	1,379.27	906.56	881.11	25.45	35.621		
2,900.00	2,617.72	2,408.65	2,373.30	23.07	9.90	-43.70	1,146.03	1,376.71	882.98	855.73	27.24	32.411		
3,000.00	2,699.25	2,583.25	2,541.44	24.29	10.82	-50.84	1,188.19	1,357.21	858.57	828.60	29.97	28.649		
3,100.00	2,780.78	2,658.13	2,614.24	25.50	11.20	-54.14	1,201.81	1,346.16	832.85	800.91	31.94	26.074		
3,200.00	2,862.31	2,717.00	2,671.42	26.73	11.49	-56.75	1,213.91	1,339.11	813.78	779.99	33.79	24.083		
3,300.00	2,943.83	2,775.62	2,728.27	27.95	11.80	-59.32	1,227.02	1,333.50	801.06	765.47	35.59	22.508		
3,400.00	3,025.36	2,852.43	2,802.81	29.17	12.20	-62.67	1,244.61	1,327.55	793.65	756.12	37.53	21.148		
3,500.00	3,106.89	2,932.17	2,880.26	30.40	12.61	-66.12	1,262.75	1,322.08	790.71	751.26	39.45	20.044		
3,511.53	3,116.29	2,940.82	2,888.66	30.54	12.66	-66.49	1,264.74	1,321.56	790.68	751.02	39.66	19.937	CC, ES	
3,600.00	3,188.42	3,008.29	2,954.19	31.62	13.01	-69.34	1,280.46	1,318.27	792.58	751.33	41.25	19.214		
3,700.00	3,269.94	3,086.67	3,030.25	32.85	13.41	-72.55	1,299.22	1,315.66	799.07	756.07	42.99	18.586		
3,800.00	3,351.47	3,178.02	3,118.89	34.07	13.88	-76.12	1,321.24	1,314.61	809.28	764.46	44.82	18.057		
3,900.00	3,433.00	3,268.74	3,207.02	35.30	14.33	-79.46	1,342.74	1,316.00	822.10	775.55	46.56	17.658		
4,000.00	3,514.53	3,347.41	3,283.36	36.53	14.73	-82.21	1,361.61	1,318.24	837.98	789.91	48.07	17.433		
4,100.00	3,596.05	3,416.84	3,350.53	37.76	15.09	-84.57	1,379.04	1,319.92	857.78	808.40	49.38	17.372		
4,200.00	3,677.58	3,478.31	3,409.98	38.99	15.41	-86.80	1,394.47	1,317.66	882.44	831.98	50.46	17.489		
4,300.00	3,759.11	3,563.21	3,492.08	40.22	15.87	-89.91	1,415.35	1,312.00	910.91	859.11	51.80	17.585		
4,400.00	3,840.64	3,628.57	3,555.28	41.45	16.22	-92.25	1,431.08	1,306.57	942.71	889.98	52.73	17.877		
4,500.00	3,922.16	3,700.41	3,624.59	42.68	16.61	-94.84	1,447.99	1,298.19	978.51	924.84	53.67	18.233		
4,600.00	4,003.69	3,781.43	3,702.93	43.91	17.04	-97.74	1,465.23	1,286.77	1,016.91	962.26	54.65	18.609		
4,700.00	4,085.22	3,862.20	3,781.08	45.15	17.47	-100.45	1,482.53	1,275.97	1,057.69	1,002.13	55.57	19.035		
4,800.00	4,166.75	3,957.88	3,873.84	46.38	17.97	-103.40	1,503.23	1,264.95	1,099.90	1,043.21	56.70	19.400		
4,900.00	4,248.27	4,041.00	3,954.59	47.61	18.41	-105.69	1,521.59	1,257.87	1,142.55	1,084.93	57.62	19.828		
5,000.00	4,329.80	4,111.13	4,022.42	48.84	18.79	-107.41	1,538.85	1,253.36	1,187.01	1,128.65	58.36	20.338		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T4N-R68W - EXIST HZ FLASCHENRIEM 8 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 23-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,411.33	4,167.92	4,076.80	50.08	19.12	-108.65	1,554.84	1,249.94	1,234.33	1,175.44	58.89	20.960		
5,200.00	4,492.86	4,231.00	4,136.58	51.31	19.50	-109.89	1,574.61	1,246.16	1,284.20	1,224.65	59.55	21.566		
5,300.00	4,574.38	4,300.40	4,201.95	52.54	19.94	-111.12	1,597.55	1,242.04	1,335.74	1,275.40	60.35	22.134		
5,400.00	4,655.91	4,355.17	4,253.35	53.78	20.30	-112.03	1,616.16	1,238.82	1,388.51	1,327.64	60.87	22.810		
5,500.00	4,737.44	4,419.00	4,311.98	55.01	20.73	-112.90	1,641.09	1,235.03	1,444.05	1,382.42	61.63	23.430		
5,600.00	4,818.97	4,446.53	4,336.91	56.24	20.93	-113.23	1,652.63	1,233.23	1,501.32	1,439.72	61.61	24.370		
5,700.00	4,900.49	4,514.00	4,397.97	57.48	21.42	-114.06	1,680.74	1,227.47	1,560.69	1,498.20	62.49	24.977		
5,800.00	4,982.02	4,545.71	4,426.57	58.71	21.67	-114.43	1,694.04	1,224.18	1,621.44	1,558.90	62.54	25.927		
5,900.00	5,063.55	4,609.00	4,483.10	59.95	22.15	-115.14	1,721.51	1,216.78	1,684.18	1,620.84	63.35	26.587		
6,000.00	5,145.08	4,636.06	4,507.04	61.18	22.37	-115.42	1,733.64	1,213.34	1,748.14	1,684.83	63.30	27.615		
6,100.00	5,226.60	4,682.79	4,548.06	62.42	22.74	-115.86	1,755.15	1,207.15	1,813.60	1,749.85	63.76	28.446		
6,200.00	5,308.13	4,730.56	4,589.62	63.65	23.14	-116.29	1,777.72	1,200.41	1,880.29	1,816.04	64.25	29.265		
6,300.00	5,389.66	4,778.59	4,631.39	64.89	23.54	-116.72	1,800.19	1,192.83	1,948.03	1,883.27	64.76	30.080		
6,400.00	5,471.19	4,832.12	4,677.95	66.12	23.99	-117.20	1,824.88	1,183.50	2,016.71	1,951.30	65.41	30.831		
6,500.00	5,552.72	4,892.00	4,730.07	67.36	24.49	-117.73	1,852.23	1,172.45	2,086.00	2,019.78	66.22	31.500		
6,600.00	5,634.24	5,155.51	4,959.72	68.59	26.70	-119.38	1,976.97	1,141.00	2,150.48	2,078.48	72.00	29.869		
6,700.00	5,715.77	5,215.98	5,012.34	69.83	27.20	-119.65	2,006.42	1,136.59	2,213.73	2,140.81	72.92	30.358		
6,800.00	5,797.30	5,273.08	5,062.00	71.06	27.69	-119.90	2,034.20	1,131.83	2,277.69	2,203.91	73.77	30.875		
6,900.00	5,878.83	5,367.00	5,143.71	72.30	28.48	-120.27	2,080.01	1,125.06	2,340.81	2,265.32	75.49	31.008		
7,000.00	5,960.35	5,425.47	5,194.60	73.53	28.98	-120.49	2,108.48	1,120.82	2,404.30	2,327.91	76.39	31.474		
7,100.00	6,041.88	5,899.00	7,251.30	74.77	68.24	-94.90	3,250.88	3,262.01	2,387.55	2,273.78	113.77	20.986		
7,200.00	6,123.41	9,933.97	7,251.39	76.01	69.05	-94.13	3,251.37	3,296.97	2,329.00	2,211.40	117.61	19.804		
7,300.00	6,204.94	9,973.36	7,251.52	77.24	69.96	-93.24	3,252.20	3,336.35	2,272.40	2,150.84	121.56	18.693		
7,400.00	6,286.46	10,027.94	7,251.74	78.48	71.24	-91.99	3,253.64	3,390.91	2,217.79	2,092.09	125.70	17.644		
7,500.00	6,367.99	10,097.14	7,251.96	79.71	72.87	-90.36	3,255.14	3,460.10	2,164.76	2,034.77	129.99	16.653		
7,600.00	6,449.52	10,168.54	7,252.28	80.95	74.57	-88.65	3,256.07	3,531.49	2,113.30	1,978.96	134.34	15.731		
7,700.00	6,531.05	10,252.68	7,252.76	82.19	76.58	-86.58	3,256.16	3,615.63	2,063.36	1,924.61	138.76	14.870		
7,800.00	6,612.57	10,320.87	7,253.06	83.42	78.22	-84.87	3,255.40	3,683.81	2,014.99	1,871.88	143.12	14.079		
7,900.00	6,694.10	10,381.15	7,253.30	84.66	79.67	-83.32	3,254.48	3,744.08	1,968.80	1,821.35	147.45	13.352		
8,000.00	6,775.63	10,436.74	7,253.49	85.89	81.02	-81.87	3,253.54	3,799.67	1,925.07	1,773.32	151.75	12.686		
8,100.00	6,857.16	10,490.45	7,253.67	87.13	82.33	-80.45	3,252.61	3,853.37	1,884.05	1,728.06	155.99	12.078		
8,200.00	6,938.68	10,542.31	7,253.90	88.37	83.60	-79.05	3,251.75	3,905.22	1,846.01	1,685.86	160.14	11.527		
8,300.00	7,020.21	10,602.21	7,254.22	89.60	85.07	-77.42	3,250.73	3,965.11	1,811.05	1,646.87	164.18	11.031		
8,310.57	7,028.83	10,608.96	7,254.26	89.73	85.24	-77.23	3,250.60	3,971.86	1,807.53	1,642.93	164.60	10.982		
8,350.00	7,060.23	10,635.43	7,254.40	90.25	85.89	-79.89	3,250.05	3,998.32	1,794.94	1,628.77	166.18	10.801		
8,400.00	7,097.77	10,671.90	7,254.59	90.98	86.79	-82.53	3,249.20	4,034.78	1,780.37	1,612.11	168.26	10.581		
8,450.00	7,132.48	10,711.22	7,254.74	91.79	87.76	-84.54	3,248.18	4,074.09	1,767.32	1,596.89	170.43	10.370		
8,500.00	7,164.10	10,753.74	7,254.84	92.67	88.82	-86.07	3,246.98	4,116.60	1,755.72	1,583.04	172.68	10.168		
8,550.00	7,192.40	10,786.69	7,254.89	93.63	89.64	-87.45	3,246.09	4,149.53	1,745.65	1,570.64	175.00	9.975		
8,600.00	7,217.15	10,822.89	7,254.95	94.64	90.54	-88.48	3,245.25	4,185.72	1,737.14	1,559.75	177.38	9.793		
8,650.00	7,238.16	10,859.99	7,255.00	95.70	91.47	-89.26	3,244.53	4,222.81	1,730.15	1,550.33	179.81	9.622		
8,700.00	7,255.29	10,897.48	7,255.02	96.80	92.41	-89.83	3,244.00	4,260.30	1,724.66	1,542.38	182.28	9.461		
8,750.00	7,268.39	10,938.00	7,255.00	97.92	93.42	-90.21	3,243.65	4,300.82	1,720.65	1,535.87	184.77	9.312		
8,800.00	7,277.37	10,978.14	7,254.99	99.06	94.44	-90.45	3,243.50	4,340.96	1,718.02	1,530.75	187.27	9.174		
8,850.00	7,282.15	11,020.91	7,255.01	100.20	95.51	-90.56	3,243.50	4,383.72	1,716.71	1,526.96	189.75	9.047		
8,877.94	7,282.99	11,046.98	7,255.05	100.83	96.17	-90.57	3,243.58	4,409.79	1,716.53	1,525.40	191.13	8.981		
8,881.61	7,283.00	11,050.63	7,255.06	100.91	96.27	-90.57	3,243.59	4,413.45	1,716.53	1,525.22	191.31	8.972		
8,900.00	7,283.00	11,068.96	7,255.09	101.33	96.73	-90.57	3,243.65	4,431.78	1,716.56	1,524.35	192.22	8.930		
9,000.00	7,283.00	11,170.17	7,255.30	103.59	99.30	-90.58	3,243.97	4,532.99	1,716.72	1,519.56	197.15	8.708		
9,100.00	7,283.00	11,272.26	7,255.59	105.87	101.91	-90.59	3,244.16	4,635.08	1,716.73	1,514.62	202.12	8.494		
9,200.00	7,283.00	11,379.44	7,255.81	108.18	104.65	-90.59	3,244.15	4,742.25	1,716.57	1,509.46	207.11	8.288		
9,300.00	7,283.00	11,495.25	7,255.98	110.50	107.62	-90.60	3,243.32	4,858.06	1,715.69	1,503.57	212.12	8.088		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T4N-R68W - EXIST HZ FLASCHENRIEM 8 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 23-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,400.00	7,283.00	11,589.55	7,255.87	112.84	110.04	-90.60	3,242.30	4,952.36	1,714.45	1,497.30	217.15	7.895		
9,500.00	7,283.00	11,698.64	7,255.84	115.19	112.86	-90.60	3,241.08	5,061.44	1,713.17	1,490.97	222.20	7.710		
9,600.00	7,283.00	11,796.96	7,255.62	117.56	115.40	-90.59	3,239.75	5,159.75	1,711.65	1,484.38	227.27	7.531		
9,700.00	7,283.00	11,891.42	7,255.33	119.95	117.85	-90.58	3,238.61	5,254.21	1,710.27	1,477.91	232.36	7.361		
9,800.00	7,283.00	11,973.00	7,255.14	122.34	119.96	-90.57	3,238.30	5,335.78	1,709.72	1,472.27	237.45	7.200		
9,804.45	7,283.00	11,973.00	7,255.14	122.45	119.96	-90.57	3,238.30	5,335.78	1,709.72	1,472.05	237.67	7.194		
9,900.00	7,283.00	12,045.24	7,255.07	124.76	121.85	-90.57	3,239.01	5,408.01	1,710.51	1,468.00	242.51	7.053		
10,000.00	7,283.00	12,130.26	7,255.17	127.18	124.07	-90.57	3,240.94	5,493.01	1,712.60	1,465.02	247.58	6.917		
10,100.00	7,283.00	12,221.93	7,255.28	129.61	126.46	-90.58	3,243.55	5,584.65	1,715.29	1,462.61	252.68	6.789		
10,200.00	7,283.00	12,310.20	7,255.28	132.06	128.77	-90.58	3,246.52	5,672.86	1,718.49	1,460.73	257.76	6.667		
10,300.00	7,283.00	12,409.39	7,255.25	134.52	131.38	-90.57	3,250.45	5,771.98	1,722.29	1,459.38	262.91	6.551		
10,400.00	7,283.00	12,540.47	7,255.08	136.98	134.82	-90.57	3,254.44	5,902.99	1,725.20	1,456.99	268.21	6.432		
10,500.00	7,283.00	12,709.88	7,254.27	139.46	139.27	-90.54	3,254.09	6,072.40	1,724.69	1,451.25	273.44	6.307		
10,600.00	7,283.00	12,830.05	7,254.35	141.94	142.43	-90.54	3,250.85	6,192.51	1,721.81	1,443.24	278.57	6.181		
10,700.00	7,283.00	12,938.19	7,254.38	144.44	145.27	-90.55	3,247.21	6,300.59	1,718.29	1,434.55	283.74	6.056		
10,800.00	7,283.00	13,047.09	7,254.37	146.94	148.14	-90.55	3,242.70	6,409.40	1,713.96	1,425.06	288.90	5.933		
10,900.00	7,283.00	13,137.48	7,254.06	149.45	150.52	-90.54	3,239.17	6,499.72	1,709.89	1,415.71	294.18	5.812		
11,000.00	7,283.00	13,222.37	7,253.62	151.96	152.76	-90.52	3,236.30	6,584.57	1,706.37	1,406.89	299.48	5.698		
11,100.00	7,283.00	13,296.00	7,253.62	154.49	154.71	-90.53	3,235.01	6,658.18	1,704.39	1,399.60	304.79	5.592		
11,200.00	7,283.00	13,389.55	7,254.17	157.01	157.19	-90.54	3,234.27	6,751.73	1,703.42	1,393.38	310.04	5.494		
11,300.00	7,283.00	13,478.05	7,254.80	159.55	159.53	-90.57	3,233.81	6,840.22	1,702.75	1,387.46	315.28	5.401		
11,337.72	7,283.00	13,510.15	7,254.99	160.51	160.39	-90.57	3,233.81	6,872.32	1,702.68	1,385.42	317.26	5.367		
11,400.00	7,283.00	13,562.63	7,255.33	162.09	161.78	-90.58	3,234.04	6,924.80	1,702.86	1,382.34	320.52	5.313		
11,500.00	7,283.00	13,691.19	7,256.06	164.64	165.19	-90.61	3,233.94	7,053.36	1,702.62	1,376.84	325.78	5.226		
11,600.00	7,283.00	13,781.83	7,256.42	167.19	167.60	-90.62	3,233.36	7,143.99	1,701.82	1,370.77	331.05	5.141		
11,700.00	7,283.00	13,881.17	7,256.72	169.75	170.25	-90.63	3,233.04	7,243.34	1,701.34	1,365.02	336.33	5.059		
11,800.00	7,283.00	13,988.79	7,256.88	172.31	173.11	-90.64	3,232.38	7,350.95	1,700.56	1,358.97	341.60	4.978		
11,900.00	7,283.00	14,086.57	7,256.99	174.88	175.72	-90.64	3,231.58	7,448.72	1,699.57	1,352.69	346.88	4.900		
12,000.00	7,283.00	14,177.20	7,257.12	177.45	178.13	-90.64	3,231.24	7,539.35	1,699.04	1,346.87	352.17	4.824		
12,100.00	7,283.00	14,275.04	7,257.31	180.03	180.74	-90.65	3,231.29	7,637.19	1,698.93	1,341.47	357.46	4.753		
12,200.00	7,283.00	14,379.50	7,257.41	182.61	183.53	-90.65	3,231.09	7,741.65	1,698.57	1,335.81	362.76	4.682		
12,300.00	7,283.00	14,478.90	7,257.52	185.19	186.18	-90.66	3,230.87	7,841.05	1,698.18	1,330.13	368.05	4.614		
12,400.00	7,283.00	14,581.82	7,257.12	187.78	188.93	-90.65	3,230.60	7,943.97	1,697.75	1,324.39	373.36	4.547		
12,500.00	7,283.00	14,685.24	7,256.55	190.37	191.70	-90.63	3,230.09	8,047.39	1,697.08	1,318.41	378.67	4.482		
12,600.00	7,283.00	14,803.39	7,255.88	192.97	194.86	-90.60	3,228.89	8,165.53	1,695.92	1,311.97	383.95	4.417		
12,700.00	7,283.00	14,894.98	7,255.32	195.57	197.31	-90.59	3,227.57	8,257.11	1,694.31	1,305.01	389.29	4.352		
12,800.00	7,283.00	14,993.89	7,254.75	198.17	199.95	-90.57	3,226.48	8,356.01	1,693.03	1,298.41	394.62	4.290		
12,900.00	7,283.00	15,106.61	7,254.09	200.77	202.97	-90.55	3,224.77	8,468.72	1,691.34	1,291.43	399.91	4.229		
12,954.48	7,283.00	15,127.00	7,253.95	202.20	203.52	-90.54	3,224.40	8,489.10	1,690.59	1,287.72	402.87	4.196		
13,000.00	7,283.00	15,127.00	7,253.95	203.38	203.52	-90.54	3,224.40	8,489.10	1,691.20	1,286.08	405.12	4.175		
13,100.00	7,283.00	15,127.00	7,253.95	205.99	203.52	-90.54	3,224.40	8,489.10	1,696.84	1,287.76	409.08	4.148 SF		
13,200.00	7,283.00	15,127.00	7,253.95	208.61	203.52	-90.54	3,224.40	8,489.10	1,708.32	1,296.66	411.66	4.150		
13,300.00	7,283.00	15,127.00	7,253.95	211.22	203.52	-90.54	3,224.40	8,489.10	1,725.53	1,312.64	412.89	4.179		
13,400.00	7,283.00	15,127.00	7,253.95	213.84	203.52	-90.54	3,224.40	8,489.10	1,748.31	1,335.47	412.84	4.235		
13,500.00	7,283.00	15,127.00	7,253.95	216.47	203.52	-90.54	3,224.40	8,489.10	1,776.42	1,364.82	411.60	4.316		
13,600.00	7,283.00	15,127.00	7,253.95	219.09	203.52	-90.54	3,224.40	8,489.10	1,809.63	1,400.34	409.30	4.421		
13,700.00	7,283.00	15,127.00	7,253.95	221.72	203.52	-90.54	3,224.40	8,489.10	1,847.67	1,441.60	406.07	4.550		
13,800.00	7,283.00	15,127.00	7,253.95	224.34	203.52	-90.54	3,224.40	8,489.10	1,890.23	1,488.19	402.05	4.702		
13,900.00	7,283.00	15,127.00	7,253.95	226.97	203.52	-90.54	3,224.40	8,489.10	1,937.03	1,539.65	397.38	4.875		
14,000.00	7,283.00	15,127.00	7,253.95	229.61	203.52	-90.54	3,224.40	8,489.10	1,987.76	1,595.56	392.20	5.068		
14,100.00	7,283.00	15,127.00	7,253.95	232.24	203.52	-90.54	3,224.40	8,489.10	2,042.13	1,655.51	386.62	5.282		
14,200.00	7,283.00	15,127.00	7,253.95	234.88	203.52	-90.54	3,224.40	8,489.10	2,099.86	1,719.09	380.76	5.515		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T4N-R68W - EXIST HZ FLASCHENRIEM 8 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 23-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,283.00	15,127.00	7,253.95	237.52	203.52	-90.54	3,224.40	8,489.10	2,160.67	1,785.95	374.72	5.766		
14,400.00	7,283.00	15,127.00	7,253.95	240.16	203.52	-90.54	3,224.40	8,489.10	2,224.32	1,855.75	368.57	6.035		
14,500.00	7,283.00	15,127.00	7,253.95	242.80	203.52	-90.54	3,224.40	8,489.10	2,290.57	1,928.18	362.38	6.321		
14,600.00	7,283.00	15,127.00	7,253.95	245.44	203.52	-90.54	3,224.40	8,489.10	2,359.20	2,002.98	356.22	6.623		
14,700.00	7,283.00	15,127.00	7,253.95	248.09	203.52	-90.54	3,224.40	8,489.10	2,430.00	2,079.89	350.11	6.941		
14,800.00	7,283.00	15,127.00	7,253.95	250.74	203.52	-90.54	3,224.40	8,489.10	2,502.80	2,158.69	344.11	7.273		
14,900.00	7,283.00	15,127.00	7,253.95	253.38	203.52	-90.54	3,224.40	8,489.10	2,577.43	2,239.19	338.23	7.620		
15,000.00	7,283.00	15,127.00	7,253.95	256.03	203.52	-90.54	3,224.40	8,489.10	2,653.72	2,321.22	332.50	7.981		
15,100.00	7,283.00	15,127.00	7,253.95	258.69	203.52	-90.54	3,224.40	8,489.10	2,731.54	2,404.62	326.93	8.355		
15,200.00	7,283.00	15,127.00	7,253.95	261.34	203.52	-90.54	3,224.40	8,489.10	2,810.77	2,489.25	321.52	8.742		
15,300.00	7,283.00	15,127.00	7,253.95	263.99	203.52	-90.54	3,224.40	8,489.10	2,891.29	2,574.99	316.30	9.141		
15,400.00	7,283.00	15,127.00	7,253.95	266.65	203.52	-90.54	3,224.40	8,489.10	2,972.98	2,661.73	311.25	9.552		
15,500.00	7,283.00	15,127.00	7,253.95	269.31	203.52	-90.54	3,224.40	8,489.10	3,055.77	2,749.39	306.39	9.974		
15,600.00	7,283.00	15,127.00	7,253.95	271.96	203.52	-90.54	3,224.40	8,489.10	3,139.56	2,837.86	301.70	10.406		
15,700.00	7,283.00	15,127.00	7,253.95	274.62	203.52	-90.54	3,224.40	8,489.10	3,224.27	2,927.09	297.19	10.849		
15,800.00	7,283.00	15,127.00	7,253.95	277.28	203.52	-90.54	3,224.40	8,489.10	3,309.84	3,016.99	292.85	11.302		
15,900.00	7,283.00	15,127.00	7,253.95	279.94	203.52	-90.54	3,224.40	8,489.10	3,396.20	3,107.52	288.68	11.765		
16,000.00	7,283.00	15,127.00	7,253.95	282.61	203.52	-90.54	3,224.40	8,489.10	3,483.28	3,198.62	284.66	12.236		
16,100.00	7,283.00	15,127.00	7,253.95	285.27	203.52	-90.54	3,224.40	8,489.10	3,571.05	3,290.23	280.81	12.717		
16,200.00	7,283.00	15,127.00	7,253.95	287.94	203.52	-90.54	3,224.40	8,489.10	3,659.44	3,382.33	277.11	13.206		
16,300.00	7,283.00	15,127.00	7,253.95	290.60	203.52	-90.54	3,224.40	8,489.10	3,748.41	3,474.86	273.55	13.703		
16,400.00	7,283.00	15,127.00	7,253.95	293.27	203.52	-90.54	3,224.40	8,489.10	3,837.93	3,567.79	270.13	14.207		
16,500.00	7,283.00	15,127.00	7,253.95	295.94	203.52	-90.54	3,224.40	8,489.10	3,927.95	3,661.10	266.85	14.720		
16,600.00	7,283.00	15,127.00	7,253.95	298.60	203.52	-90.54	3,224.40	8,489.10	4,018.44	3,754.75	263.69	15.239		
16,700.00	7,283.00	15,127.00	7,253.95	301.27	203.52	-90.54	3,224.40	8,489.10	4,109.38	3,848.72	260.66	15.765		
16,800.00	7,283.00	15,127.00	7,253.95	303.94	203.52	-90.54	3,224.40	8,489.10	4,200.72	3,942.98	257.74	16.298		
16,900.00	7,283.00	15,127.00	7,253.95	306.62	203.52	-90.54	3,224.40	8,489.10	4,292.46	4,037.52	254.93	16.838		
17,000.00	7,283.00	15,127.00	7,253.95	309.29	203.52	-90.54	3,224.40	8,489.10	4,384.55	4,132.32	252.23	17.383		
17,100.00	7,283.00	15,127.00	7,253.95	311.96	203.52	-90.54	3,224.40	8,489.10	4,476.99	4,227.35	249.63	17.934		
17,200.00	7,283.00	15,127.00	7,253.95	314.63	203.52	-90.54	3,224.40	8,489.10	4,569.74	4,322.60	247.13	18.491		
17,300.00	7,283.00	15,127.00	7,253.95	317.31	203.52	-90.54	3,224.40	8,489.10	4,662.79	4,418.07	244.72	19.053		
17,400.00	7,283.00	15,127.00	7,253.95	319.98	203.52	-90.54	3,224.40	8,489.10	4,756.12	4,513.72	242.40	19.621		
17,500.00	7,283.00	15,127.00	7,253.95	322.66	203.52	-90.54	3,224.40	8,489.10	4,849.72	4,609.56	240.17	20.193		
17,600.00	7,283.00	15,127.00	7,253.95	325.34	203.52	-90.54	3,224.40	8,489.10	4,943.57	4,705.56	238.01	20.770		
17,700.00	7,283.00	15,127.00	7,253.95	328.01	203.52	-90.54	3,224.40	8,489.10	5,037.66	4,801.73	235.93	21.352		
17,800.00	7,283.00	15,127.00	7,253.95	330.69	203.52	-90.54	3,224.40	8,489.10	5,131.97	4,898.05	233.92	21.939		
17,900.00	7,283.00	15,127.00	7,253.95	333.37	203.52	-90.54	3,224.40	8,489.10	5,226.49	4,994.51	231.99	22.529		
18,000.00	7,283.00	15,127.00	7,253.95	336.05	203.52	-90.54	3,224.40	8,489.10	5,321.21	5,091.10	230.12	23.124		
18,100.00	7,283.00	15,127.00	7,253.95	338.73	203.52	-90.54	3,224.40	8,489.10	5,416.13	5,187.81	228.31	23.722		
18,200.00	7,283.00	15,127.00	7,253.95	341.41	203.52	-90.54	3,224.40	8,489.10	5,511.22	5,284.65	226.57	24.325		
18,300.00	7,283.00	15,127.00	7,253.95	344.09	203.52	-90.54	3,224.40	8,489.10	5,606.48	5,381.60	224.88	24.931		
18,400.00	7,283.00	15,127.00	7,253.95	346.77	203.52	-90.54	3,224.40	8,489.10	5,701.91	5,478.66	223.25	25.540		
18,500.00	7,283.00	15,127.00	7,253.95	349.46	203.52	-90.54	3,224.40	8,489.10	5,797.49	5,575.81	221.67	26.153		
18,600.00	7,283.00	15,127.00	7,253.95	352.14	203.52	-90.54	3,224.40	8,489.10	5,893.21	5,673.06	220.15	26.769		
18,700.00	7,283.00	15,127.00	7,253.95	354.82	203.52	-90.54	3,224.40	8,489.10	5,989.08	5,770.40	218.67	27.388		
18,800.00	7,283.00	15,127.00	7,253.95	357.51	203.52	-90.54	3,224.40	8,489.10	6,085.08	5,867.83	217.24	28.010		
18,900.00	7,283.00	15,127.00	7,253.95	360.19	203.52	-90.54	3,224.40	8,489.10	6,181.20	5,965.34	215.86	28.635		
19,000.00	7,283.00	15,127.00	7,253.95	362.88	203.52	-90.54	3,224.40	8,489.10	6,277.45	6,062.93	214.52	29.263		
19,100.00	7,283.00	15,127.00	7,253.95	365.56	203.52	-90.54	3,224.40	8,489.10	6,373.81	6,160.59	213.22	29.893		
19,200.00	7,283.00	15,127.00	7,253.95	368.25	203.52	-90.54	3,224.40	8,489.10	6,470.28	6,258.33	211.96	30.526		
19,247.68	7,283.00	15,127.00	7,253.95	369.53	203.52	-90.54	3,224.40	8,489.10	6,516.32	6,304.94	211.37	30.829		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	53.00	53.00	0.27	0.09	107.17	-390.85	1,264.71	1,323.73	1,323.37	0.35	3,735.652		
200.00	200.00	153.00	153.00	0.63	0.35	107.17	-390.85	1,264.71	1,323.73	1,322.75	0.98	1,352.636		
300.00	299.98	252.98	252.98	0.98	0.71	37.63	-390.85	1,264.71	1,322.34	1,320.65	1.69	781.760		
400.00	399.84	352.84	352.84	1.34	1.07	37.82	-390.85	1,264.71	1,318.20	1,315.79	2.41	547.609		
500.00	499.45	452.45	452.45	1.71	1.42	38.13	-390.85	1,264.71	1,311.32	1,308.19	3.13	419.118		
600.00	598.70	551.70	551.70	2.10	1.78	38.58	-390.85	1,264.71	1,301.74	1,297.88	3.86	337.477		
700.00	697.47	650.47	650.47	2.51	2.13	39.17	-390.85	1,264.71	1,289.50	1,284.91	4.60	280.629		
800.00	795.62	748.62	748.62	2.95	2.49	39.90	-390.85	1,264.71	1,274.67	1,269.33	5.35	238.471		
900.00	893.06	846.06	846.06	3.43	2.84	40.78	-390.85	1,264.71	1,257.34	1,251.23	6.11	205.735		
1,000.00	899.64	842.64	842.64	3.95	3.18	41.82	-390.85	1,264.71	1,237.61	1,230.71	6.90	179.411		
1,100.00	1,085.27	1,038.27	1,038.27	4.52	3.52	43.03	-390.85	1,264.71	1,215.59	1,207.88	7.71	157.654		
1,200.00	1,179.82	1,132.82	1,132.82	5.14	3.86	44.41	-390.85	1,264.71	1,191.44	1,182.89	8.55	139.278		
1,300.00	1,273.17	1,226.17	1,226.17	5.81	4.20	45.99	-390.85	1,264.71	1,165.33	1,155.89	9.44	123.486		
1,400.00	1,365.21	1,318.21	1,318.21	6.54	4.53	47.78	-390.85	1,264.71	1,137.47	1,127.10	10.37	109.728		
1,500.00	1,455.84	1,408.84	1,408.84	7.33	4.85	49.78	-390.85	1,264.71	1,108.09	1,096.74	11.35	97.615		
1,600.00	1,544.94	1,497.94	1,497.94	8.19	5.17	52.00	-390.85	1,264.71	1,077.49	1,065.08	12.40	86.870		
1,700.00	1,632.39	1,585.39	1,585.39	9.12	5.49	54.47	-390.85	1,264.71	1,045.99	1,032.46	13.53	77.289		
1,800.00	1,718.11	1,671.11	1,671.11	10.11	5.79	57.17	-390.85	1,264.71	1,014.01	999.25	14.75	68.728		
1,900.00	1,801.97	1,754.97	1,754.97	11.18	6.09	60.11	-390.85	1,264.71	981.99	965.91	16.08	61.080		
1,969.27	1,858.92	1,811.92	1,811.92	11.96	6.30	62.28	-390.85	1,264.71	960.07	943.01	17.06	56.277		
2,000.00	1,883.98	1,836.98	1,836.98	12.31	6.39	63.09	-390.85	1,264.71	950.55	933.04	17.51	54.282		
2,100.00	1,965.50	1,918.50	1,918.50	13.48	6.68	65.82	-390.85	1,264.71	921.26	902.23	19.03	48.416		
2,200.00	2,047.03	2,000.03	2,000.03	14.65	6.97	68.67	-390.85	1,264.71	894.77	874.16	20.61	43.414		
2,300.00	2,128.56	2,081.56	2,081.56	15.84	7.26	71.64	-390.85	1,264.71	871.32	849.08	22.24	39.171		
2,400.00	2,210.09	2,163.09	2,163.09	17.03	7.56	74.71	-390.85	1,264.71	851.18	827.26	23.91	35.592		
2,500.00	2,291.61	2,244.61	2,244.61	18.23	7.85	77.87	-390.85	1,264.71	834.57	808.97	25.60	32.597		
2,600.00	2,373.14	2,326.14	2,326.14	19.44	8.14	81.11	-390.85	1,264.71	821.72	794.43	27.29	30.114		
2,700.00	2,454.67	2,407.67	2,407.67	20.64	8.43	84.41	-390.85	1,264.71	812.80	783.85	28.94	28.081		
2,800.00	2,536.20	2,489.20	2,489.20	21.86	8.73	87.74	-390.85	1,264.71	807.94	777.39	30.55	26.445		
2,867.42	2,591.16	2,544.16	2,544.16	22.67	8.92	90.00	-390.85	1,264.71	806.99	775.40	31.60	25.541 CC		
2,900.00	2,617.72	2,570.72	2,570.72	23.07	9.02	91.09	-390.85	1,264.71	807.21	775.13	32.09	25.157 ES		
3,000.00	2,699.25	2,652.25	2,652.25	24.29	9.31	94.44	-390.85	1,264.71	810.64	777.10	33.53	24.175		
3,100.00	2,780.78	2,733.78	2,733.78	25.50	9.60	97.75	-390.85	1,264.71	818.15	783.28	34.87	23.460		
3,200.00	2,862.31	2,815.31	2,815.31	26.73	9.89	101.01	-390.85	1,264.71	829.66	793.55	36.11	22.978		
3,300.00	2,943.83	2,896.83	2,896.83	27.95	10.19	104.20	-390.85	1,264.71	844.98	807.75	37.22	22.699		
3,400.00	3,025.36	2,978.36	2,978.36	29.17	10.48	107.31	-390.85	1,264.71	863.92	825.68	38.23	22.596 SF		
3,500.00	3,106.89	3,059.89	3,059.89	30.40	10.77	110.31	-390.85	1,264.71	886.24	847.10	39.14	22.643		
3,600.00	3,188.42	3,141.42	3,141.42	31.62	11.06	113.20	-390.85	1,264.71	911.70	871.75	39.95	22.819		
3,700.00	3,269.94	3,222.94	3,222.94	32.85	11.36	115.97	-390.85	1,264.71	940.04	899.36	40.69	23.105		
3,800.00	3,351.47	3,304.47	3,304.47	34.07	11.65	118.62	-390.85	1,264.71	971.02	929.67	41.35	23.483		
3,900.00	3,433.00	3,386.00	3,386.00	35.30	11.94	121.14	-390.85	1,264.71	1,004.38	962.42	41.96	23.939		
4,000.00	3,514.53	3,467.53	3,467.53	36.53	12.23	123.53	-390.85	1,264.71	1,039.89	997.37	42.52	24.458		
4,100.00	3,596.05	3,549.05	3,549.05	37.76	12.53	125.79	-390.85	1,264.71	1,077.35	1,034.31	43.04	25.031		
4,200.00	3,677.58	3,630.58	3,630.58	38.99	12.82	127.94	-390.85	1,264.71	1,116.56	1,073.02	43.54	25.646		
4,300.00	3,759.11	3,712.11	3,712.11	40.22	13.11	129.97	-390.85	1,264.71	1,157.33	1,113.32	44.01	26.295		
4,400.00	3,840.64	3,793.64	3,793.64	41.45	13.40	131.88	-390.85	1,264.71	1,199.52	1,155.05	44.48	26.970		
4,500.00	3,922.16	3,875.16	3,875.16	42.68	13.69	133.68	-390.85	1,264.71	1,242.98	1,198.05	44.93	27.665		
4,600.00	4,003.69	3,956.69	3,956.69	43.91	13.99	135.39	-390.85	1,264.71	1,287.57	1,242.19	45.38	28.374		
4,700.00	4,085.22	4,038.22	4,038.22	45.15	14.28	136.99	-390.85	1,264.71	1,333.18	1,287.36	45.83	29.092		
4,800.00	4,166.75	4,119.75	4,119.75	46.38	14.57	138.51	-390.85	1,264.71	1,379.72	1,333.45	46.28	29.816		
4,900.00	4,248.27	4,201.27	4,201.27	47.61	14.86	139.94	-390.85	1,264.71	1,427.09	1,380.37	46.73	30.541		
5,000.00	4,329.80	4,282.80	4,282.80	48.84	15.16	141.29	-390.85	1,264.71	1,475.22	1,428.03	47.18	31.265		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,411.33	4,364.33	4,364.33	50.08	15.45	142.56	-390.85	1,264.71	1,524.02	1,476.38	47.65	31.986		
5,200.00	4,492.86	4,445.86	4,445.86	51.31	15.74	143.77	-390.85	1,264.71	1,573.44	1,525.33	48.12	32.701		
5,300.00	4,574.38	4,527.38	4,527.38	52.54	16.03	144.90	-390.85	1,264.71	1,623.43	1,574.83	48.59	33.409		
5,400.00	4,655.91	4,608.91	4,608.91	53.78	16.32	145.98	-390.85	1,264.71	1,673.92	1,624.84	49.08	34.108		
5,500.00	4,737.44	4,690.44	4,690.44	55.01	16.62	147.00	-390.85	1,264.71	1,724.88	1,675.31	49.57	34.797		
5,600.00	4,818.97	4,771.97	4,771.97	56.24	16.91	147.97	-390.85	1,264.71	1,776.27	1,726.19	50.07	35.475		
5,700.00	4,900.49	4,853.49	4,853.49	57.48	17.20	148.89	-390.85	1,264.71	1,828.04	1,777.46	50.58	36.141		
5,800.00	4,982.02	4,935.02	4,935.02	58.71	17.49	149.76	-390.85	1,264.71	1,880.17	1,829.08	51.10	36.796		
5,900.00	5,063.55	5,016.55	5,016.55	59.95	17.79	150.59	-390.85	1,264.71	1,932.64	1,881.01	51.62	37.438		
6,000.00	5,145.08	5,098.08	5,098.08	61.18	18.08	151.38	-390.85	1,264.71	1,985.40	1,933.25	52.16	38.067		
6,100.00	5,226.60	5,179.60	5,179.60	62.42	18.37	152.13	-390.85	1,264.71	2,038.44	1,985.75	52.70	38.683		
6,200.00	5,308.13	5,261.13	5,261.13	63.65	18.66	152.85	-390.85	1,264.71	2,091.75	2,038.50	53.24	39.286		
6,300.00	5,389.66	5,342.66	5,342.66	64.89	18.95	153.53	-390.85	1,264.71	2,145.29	2,091.49	53.80	39.876		
6,400.00	5,471.19	5,424.19	5,424.19	66.12	19.25	154.18	-390.85	1,264.71	2,199.05	2,144.69	54.36	40.453		
6,500.00	5,552.72	5,505.72	5,505.72	67.36	19.54	154.80	-390.85	1,264.71	2,253.02	2,198.09	54.93	41.016		
6,600.00	5,634.24	5,587.24	5,587.24	68.59	19.83	155.39	-390.85	1,264.71	2,307.17	2,251.67	55.51	41.567		
6,700.00	5,715.77	5,668.77	5,668.77	69.83	20.12	155.96	-390.85	1,264.71	2,361.51	2,305.42	56.09	42.105		
6,800.00	5,797.30	5,750.30	5,750.30	71.06	20.42	156.51	-390.85	1,264.71	2,416.01	2,359.34	56.67	42.630		
6,900.00	5,878.83	5,831.83	5,831.83	72.30	20.71	157.03	-390.85	1,264.71	2,470.67	2,413.40	57.27	43.142		
7,000.00	5,960.35	5,913.35	5,913.35	73.53	21.00	157.53	-390.85	1,264.71	2,525.47	2,467.61	57.87	43.643		
7,100.00	6,041.88	5,994.88	5,994.88	74.77	21.29	158.01	-390.85	1,264.71	2,580.41	2,521.94	58.47	44.131		
7,200.00	6,123.41	6,076.41	6,076.41	76.01	21.59	158.47	-390.85	1,264.71	2,635.48	2,576.39	59.08	44.608		
7,300.00	6,204.94	6,157.94	6,157.94	77.24	21.88	158.91	-390.85	1,264.71	2,690.66	2,630.96	59.70	45.073		
7,400.00	6,286.46	6,239.46	6,239.46	78.48	22.17	159.34	-390.85	1,264.71	2,745.96	2,685.64	60.31	45.527		
7,500.00	6,367.99	6,320.99	6,320.99	79.71	22.46	159.75	-390.85	1,264.71	2,801.36	2,740.42	60.94	45.970		
7,600.00	6,449.52	6,402.52	6,402.52	80.95	22.75	160.14	-390.85	1,264.71	2,856.86	2,795.29	61.57	46.403		
7,700.00	6,531.05	6,484.05	6,484.05	82.19	23.05	160.52	-390.85	1,264.71	2,912.45	2,850.26	62.20	46.825		
7,800.00	6,612.57	6,565.57	6,565.57	83.42	23.34	160.89	-390.85	1,264.71	2,968.14	2,905.30	62.84	47.237		
7,900.00	6,694.10	6,647.10	6,647.10	84.66	23.63	161.24	-390.85	1,264.71	3,023.91	2,960.43	63.48	47.639		
8,000.00	6,775.63	6,728.63	6,728.63	85.89	23.92	161.58	-390.85	1,264.71	3,079.75	3,015.63	64.12	48.031		
8,100.00	6,857.16	6,810.16	6,810.16	87.13	24.22	161.91	-390.85	1,264.71	3,135.67	3,070.90	64.77	48.414		
8,200.00	6,938.68	6,891.68	6,891.68	88.37	24.51	162.23	-390.85	1,264.71	3,191.66	3,126.24	65.42	48.788		
8,300.00	7,020.21	6,973.21	6,973.21	89.60	24.80	162.53	-390.85	1,264.71	3,247.72	3,181.65	66.07	49.153		
8,310.57	7,028.83	6,981.83	6,981.83	89.73	24.83	162.57	-390.85	1,264.71	3,253.65	3,187.51	66.14	49.191		
8,350.00	7,060.23	7,013.23	7,013.23	90.25	24.94	158.73	-390.85	1,264.71	3,276.60	3,210.20	66.40	49.346		
8,400.00	7,097.77	7,050.77	7,050.77	90.98	25.08	154.04	-390.85	1,264.71	3,307.96	3,241.24	66.72	49.581		
8,450.00	7,132.48	7,085.48	7,085.48	91.79	25.20	149.33	-390.85	1,264.71	3,341.64	3,274.62	67.02	49.859		
8,500.00	7,164.10	7,117.10	7,117.10	92.67	25.32	144.39	-390.85	1,264.71	3,377.43	3,310.12	67.31	50.178		
8,550.00	7,192.40	7,145.40	7,145.40	93.63	25.42	139.07	-390.85	1,264.71	3,415.07	3,347.49	67.57	50.539		
8,600.00	7,217.15	7,170.15	7,170.15	94.64	25.51	133.21	-390.85	1,264.71	3,454.30	3,386.49	67.81	50.939		
8,650.00	7,238.16	7,191.16	7,191.16	95.70	25.58	126.70	-390.85	1,264.71	3,494.86	3,426.84	68.02	51.378		
8,700.00	7,255.29	7,208.29	7,208.29	96.80	25.64	119.52	-390.85	1,264.71	3,536.46	3,468.26	68.20	51.855		
8,750.00	7,268.39	7,221.39	7,221.39	97.92	25.69	111.71	-390.85	1,264.71	3,578.82	3,510.48	68.34	52.367		
8,800.00	7,277.37	7,230.37	7,230.37	99.06	25.72	103.48	-390.85	1,264.71	3,621.63	3,553.18	68.44	52.914		
8,850.00	7,282.15	7,235.15	7,235.15	100.20	25.74	95.15	-390.85	1,264.71	3,664.59	3,596.08	68.51	53.492		
8,881.61	7,283.00	7,236.00	7,236.00	100.91	25.74	90.00	-390.85	1,264.71	3,691.68	3,623.15	68.53	53.873		
8,900.00	7,283.00	7,236.00	7,236.00	101.33	25.74	90.00	-390.85	1,264.71	3,707.42	3,638.89	68.53	54.097		
9,000.00	7,283.00	7,236.00	7,236.00	103.59	25.74	90.00	-390.85	1,264.71	3,793.44	3,724.86	68.57	55.321		
9,100.00	7,283.00	7,236.00	7,236.00	105.87	25.74	90.00	-390.85	1,264.71	3,880.12	3,811.51	68.61	56.550		
9,200.00	7,283.00	7,236.00	7,236.00	108.18	25.74	90.00	-390.85	1,264.71	3,967.43	3,898.77	68.66	57.784		
9,300.00	7,283.00	7,236.00	7,236.00	110.50	25.74	90.00	-390.85	1,264.71	4,055.33	3,986.62	68.71	59.022		
9,400.00	7,283.00	7,236.00	7,236.00	112.84	25.74	90.00	-390.85	1,264.71	4,143.77	4,075.01	68.76	60.265		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,500.00	7,283.00	7,236.00	7,236.00	115.19	25.74	90.00	-390.85	1,264.71	4,232.73	4,163.92	68.81	61.512		
9,600.00	7,283.00	7,236.00	7,236.00	117.56	25.74	90.00	-390.85	1,264.71	4,322.18	4,253.31	68.87	62.762		
9,700.00	7,283.00	7,236.00	7,236.00	119.95	25.74	90.00	-390.85	1,264.71	4,412.07	4,343.15	68.92	64.015		
9,800.00	7,283.00	7,236.00	7,236.00	122.34	25.74	90.00	-390.85	1,264.71	4,502.40	4,433.42	68.98	65.272		
9,900.00	7,283.00	7,236.00	7,236.00	124.76	25.74	90.00	-390.85	1,264.71	4,593.12	4,524.08	69.04	66.531		
10,000.00	7,283.00	7,236.00	7,236.00	127.18	25.74	90.00	-390.85	1,264.71	4,684.22	4,615.12	69.10	67.792		
10,100.00	7,283.00	7,236.00	7,236.00	129.61	25.74	90.00	-390.85	1,264.71	4,775.68	4,706.52	69.16	69.055		
10,200.00	7,283.00	7,236.00	7,236.00	132.06	25.74	90.00	-390.85	1,264.71	4,867.47	4,798.25	69.22	70.321		
10,300.00	7,283.00	7,236.00	7,236.00	134.52	25.74	90.00	-390.85	1,264.71	4,959.58	4,890.30	69.28	71.588		
10,400.00	7,283.00	7,236.00	7,236.00	136.98	25.74	90.00	-390.85	1,264.71	5,051.99	4,982.65	69.34	72.856		
10,500.00	7,283.00	7,236.00	7,236.00	139.46	25.74	90.00	-390.85	1,264.71	5,144.69	5,075.28	69.40	74.126		
10,600.00	7,283.00	7,236.00	7,236.00	141.94	25.74	90.00	-390.85	1,264.71	5,237.65	5,168.18	69.47	75.397		
10,700.00	7,283.00	7,236.00	7,236.00	144.44	25.74	90.00	-390.85	1,264.71	5,330.87	5,261.34	69.53	76.669		
10,800.00	7,283.00	7,236.00	7,236.00	146.94	25.74	90.00	-390.85	1,264.71	5,424.33	5,354.73	69.60	77.941		
10,900.00	7,283.00	7,236.00	7,236.00	149.45	25.74	90.00	-390.85	1,264.71	5,518.02	5,448.36	69.66	79.214		
11,000.00	7,283.00	7,236.00	7,236.00	151.96	25.74	90.00	-390.85	1,264.71	5,611.92	5,542.20	69.72	80.488		
11,100.00	7,283.00	7,236.00	7,236.00	154.49	25.74	90.00	-390.85	1,264.71	5,706.04	5,636.25	69.79	81.762		
11,200.00	7,283.00	7,236.00	7,236.00	157.01	25.74	90.00	-390.85	1,264.71	5,800.35	5,730.49	69.85	83.036		
11,300.00	7,283.00	7,236.00	7,236.00	159.55	25.74	90.00	-390.85	1,264.71	5,894.85	5,824.93	69.92	84.310		
11,400.00	7,283.00	7,236.00	7,236.00	162.09	25.74	90.00	-390.85	1,264.71	5,989.52	5,919.54	69.98	85.585		
11,500.00	7,283.00	7,236.00	7,236.00	164.64	25.74	90.00	-390.85	1,264.71	6,084.37	6,014.32	70.05	86.859		
11,600.00	7,283.00	7,236.00	7,236.00	167.19	25.74	90.00	-390.85	1,264.71	6,179.38	6,109.26	70.11	88.133		
11,700.00	7,283.00	7,236.00	7,236.00	169.75	25.74	90.00	-390.85	1,264.71	6,274.54	6,204.36	70.18	89.406		
11,800.00	7,283.00	7,236.00	7,236.00	172.31	25.74	90.00	-390.85	1,264.71	6,369.86	6,299.61	70.25	90.679		
11,900.00	7,283.00	7,236.00	7,236.00	174.88	25.74	90.00	-390.85	1,264.71	6,465.31	6,395.00	70.31	91.952		
12,000.00	7,283.00	7,236.00	7,236.00	177.45	25.74	90.00	-390.85	1,264.71	6,560.90	6,490.52	70.38	93.224		
12,100.00	7,283.00	7,236.00	7,236.00	180.03	25.74	90.00	-390.85	1,264.71	6,656.62	6,586.18	70.44	94.495		
12,200.00	7,283.00	7,236.00	7,236.00	182.61	25.74	90.00	-390.85	1,264.71	6,752.47	6,681.95	70.51	95.765		
12,300.00	7,283.00	7,236.00	7,236.00	185.19	25.74	90.00	-390.85	1,264.71	6,848.43	6,777.85	70.58	97.035		
12,400.00	7,283.00	7,236.00	7,236.00	187.78	25.74	90.00	-390.85	1,264.71	6,944.50	6,873.86	70.64	98.304		
12,500.00	7,283.00	7,236.00	7,236.00	190.37	25.74	90.00	-390.85	1,264.71	7,040.69	6,969.98	70.71	99.571		
12,600.00	7,283.00	7,236.00	7,236.00	192.97	25.74	90.00	-390.85	1,264.71	7,136.98	7,066.20	70.78	100.838		
12,700.00	7,283.00	7,236.00	7,236.00	195.57	25.74	90.00	-390.85	1,264.71	7,233.37	7,162.53	70.84	102.104		
12,800.00	7,283.00	7,236.00	7,236.00	198.17	25.74	90.00	-390.85	1,264.71	7,329.86	7,258.95	70.91	103.368		
12,900.00	7,283.00	7,236.00	7,236.00	200.77	25.74	90.00	-390.85	1,264.71	7,426.44	7,355.46	70.98	104.631		
13,000.00	7,283.00	7,236.00	7,236.00	203.38	25.74	90.00	-390.85	1,264.71	7,523.11	7,452.07	71.04	105.892		
13,100.00	7,283.00	7,236.00	7,236.00	205.99	25.74	90.00	-390.85	1,264.71	7,619.87	7,548.75	71.11	107.153		
13,200.00	7,283.00	7,236.00	7,236.00	208.61	25.74	90.00	-390.85	1,264.71	7,716.71	7,645.53	71.18	108.412		
13,300.00	7,283.00	7,236.00	7,236.00	211.22	25.74	90.00	-390.85	1,264.71	7,813.62	7,742.38	71.25	109.669		
13,400.00	7,283.00	7,236.00	7,236.00	213.84	25.74	90.00	-390.85	1,264.71	7,910.62	7,839.30	71.32	110.925		
13,500.00	7,283.00	7,236.00	7,236.00	216.47	25.74	90.00	-390.85	1,264.71	8,007.69	7,936.31	71.38	112.179		
13,600.00	7,283.00	7,236.00	7,236.00	219.09	25.74	90.00	-390.85	1,264.71	8,104.83	8,033.38	71.45	113.432		
13,700.00	7,283.00	7,236.00	7,236.00	221.72	25.74	90.00	-390.85	1,264.71	8,202.04	8,130.52	71.52	114.683		
13,800.00	7,283.00	7,236.00	7,236.00	224.34	25.74	90.00	-390.85	1,264.71	8,299.31	8,227.73	71.59	115.932		
13,900.00	7,283.00	7,236.00	7,236.00	226.97	25.74	90.00	-390.85	1,264.71	8,396.65	8,325.00	71.66	117.180		
14,000.00	7,283.00	7,236.00	7,236.00	229.61	25.74	90.00	-390.85	1,264.71	8,494.05	8,422.33	71.73	118.425		
14,100.00	7,283.00	7,236.00	7,236.00	232.24	25.74	90.00	-390.85	1,264.71	8,591.52	8,519.72	71.79	119.669		
14,200.00	7,283.00	7,236.00	7,236.00	234.88	25.74	90.00	-390.85	1,264.71	8,689.03	8,617.17	71.86	120.911		
14,300.00	7,283.00	7,236.00	7,236.00	237.52	25.74	90.00	-390.85	1,264.71	8,786.61	8,714.68	71.93	122.151		
14,400.00	7,283.00	7,236.00	7,236.00	240.16	25.74	90.00	-390.85	1,264.71	8,884.24	8,812.24	72.00	123.389		
14,500.00	7,283.00	7,236.00	7,236.00	242.80	25.74	90.00	-390.85	1,264.71	8,981.92	8,909.85	72.07	124.625		
14,600.00	7,283.00	7,236.00	7,236.00	245.44	25.74	90.00	-390.85	1,264.71	9,079.65	9,007.51	72.14	125.859		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T4N-R68W - EXIST JESSER USX S 3-11 - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,700.00	7,283.00	7,236.00	7,236.00	248.09	25.74	90.00	-390.85	1,264.71	9,177.43	9,105.22	72.21	127.091	
14,800.00	7,283.00	7,236.00	7,236.00	250.74	25.74	90.00	-390.85	1,264.71	9,275.26	9,202.97	72.28	128.321	
14,900.00	7,283.00	7,236.00	7,236.00	253.38	25.74	90.00	-390.85	1,264.71	9,373.13	9,300.78	72.35	129.549	
15,000.00	7,283.00	7,236.00	7,236.00	256.03	25.74	90.00	-390.85	1,264.71	9,471.05	9,398.62	72.42	130.775	
15,100.00	7,283.00	7,236.00	7,236.00	258.69	25.74	90.00	-390.85	1,264.71	9,569.01	9,496.51	72.49	131.998	
15,200.00	7,283.00	7,236.00	7,236.00	261.34	25.74	90.00	-390.85	1,264.71	9,667.01	9,594.44	72.56	133.219	
15,300.00	7,283.00	7,236.00	7,236.00	263.99	25.74	90.00	-390.85	1,264.71	9,765.05	9,692.42	72.64	134.438	
15,400.00	7,283.00	7,236.00	7,236.00	266.65	25.74	90.00	-390.85	1,264.71	9,863.13	9,790.43	72.71	135.655	
15,500.00	7,283.00	7,236.00	7,236.00	269.31	25.74	90.00	-390.85	1,264.71	9,961.26	9,888.48	72.78	136.870	
15,600.00	7,283.00	7,236.00	7,236.00	271.96	25.74	90.00	-390.85	1,264.71	10,059.41	9,986.56	72.85	138.082	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-137.71	-212.38	-193.18	287.26					
100.00	100.00	90.00	90.00	0.27	0.15	-137.71	-212.38	-193.18	287.09	286.68	0.41	693.396		
200.00	200.00	190.00	190.00	0.63	0.48	-137.71	-212.38	-193.18	287.09	285.98	1.11	258.346	CC, ES	
300.00	299.98	289.98	289.98	0.98	0.84	152.82	-212.38	-193.18	288.64	286.82	1.82	158.180		
400.00	399.84	389.84	389.84	1.34	1.20	153.25	-212.38	-193.18	293.31	290.77	2.54	115.368		
500.00	499.45	489.45	489.45	1.71	1.56	153.93	-212.38	-193.18	301.12	297.85	3.27	92.216		
600.00	598.70	588.70	588.70	2.10	1.91	154.81	-212.38	-193.18	312.12	308.13	3.99	78.169		
700.00	697.47	687.47	687.47	2.51	2.27	155.86	-212.38	-193.18	326.37	321.65	4.72	69.076		
800.00	795.62	785.62	785.62	2.95	2.62	157.02	-212.38	-193.18	343.91	338.45	5.46	62.981		
900.00	893.06	883.06	883.06	3.43	2.97	158.24	-212.38	-193.18	364.79	358.59	6.20	58.842		
1,000.00	989.64	979.64	979.64	3.95	3.31	159.47	-212.38	-193.18	389.04	382.10	6.94	56.051		
1,100.00	1,085.27	1,075.27	1,075.27	4.52	3.66	160.68	-212.38	-193.18	416.66	408.98	7.68	54.230		
1,200.00	1,179.82	1,169.82	1,169.82	5.14	4.00	161.85	-212.38	-193.18	447.67	439.24	8.43	53.129		
1,300.00	1,273.17	1,263.17	1,263.17	5.81	4.33	162.96	-212.38	-193.18	482.03	472.86	9.17	52.577		
1,400.00	1,365.21	1,355.21	1,355.21	6.54	4.66	163.99	-212.38	-193.18	519.72	509.81	9.91	52.451	SF	
1,500.00	1,455.84	1,445.84	1,445.84	7.33	4.99	164.94	-212.38	-193.18	560.70	550.06	10.65	52.665		
1,600.00	1,544.94	1,534.94	1,534.94	8.19	5.31	165.81	-212.38	-193.18	604.92	593.54	11.38	53.151		
1,700.00	1,632.39	1,622.39	1,622.39	9.12	5.62	166.60	-212.38	-193.18	652.32	640.21	12.11	53.861		
1,800.00	1,718.11	1,708.11	1,708.11	10.11	5.93	167.32	-212.38	-193.18	702.84	690.00	12.84	54.754		
1,900.00	1,801.97	1,791.97	1,791.97	11.18	6.23	167.95	-212.38	-193.18	756.40	742.85	13.55	55.804		
1,969.27	1,858.92	1,848.92	1,848.92	11.96	6.43	168.36	-212.38	-193.18	795.25	781.20	14.05	56.602		
2,000.00	1,883.98	1,873.98	1,873.98	12.31	6.52	168.61	-212.38	-193.18	812.81	798.54	14.27	56.966		
2,100.00	1,965.50	1,955.50	1,955.50	13.48	6.81	169.36	-212.38	-193.18	870.00	855.03	14.97	58.119		
2,200.00	2,047.03	2,037.03	2,037.03	14.65	7.11	170.01	-212.38	-193.18	927.28	911.61	15.67	59.165		
2,300.00	2,128.56	2,118.56	2,118.56	15.84	7.40	170.60	-212.38	-193.18	984.64	968.26	16.38	60.115		
2,400.00	2,210.09	2,200.09	2,200.09	17.03	7.69	171.11	-212.38	-193.18	1,042.05	1,024.96	17.09	60.982		
2,500.00	2,291.61	2,281.61	2,281.61	18.23	7.98	171.58	-212.38	-193.18	1,099.52	1,081.72	17.80	61.775		
2,600.00	2,373.14	2,363.14	2,363.14	19.44	8.27	172.00	-212.38	-193.18	1,157.03	1,138.52	18.51	62.502		
2,700.00	2,454.67	2,444.67	2,444.67	20.64	8.57	172.38	-212.38	-193.18	1,214.58	1,195.35	19.23	63.171		
2,800.00	2,536.20	2,526.20	2,526.20	21.86	8.86	172.72	-212.38	-193.18	1,272.16	1,252.22	19.94	63.788		
2,900.00	2,617.72	2,607.72	2,607.72	23.07	9.15	173.04	-212.38	-193.18	1,329.77	1,309.11	20.66	64.359		
3,000.00	2,699.25	2,689.25	2,689.25	24.29	9.44	173.33	-212.38	-193.18	1,387.40	1,366.02	21.38	64.888		
3,100.00	2,780.78	2,770.78	2,770.78	25.50	9.74	173.59	-212.38	-193.18	1,445.06	1,422.96	22.10	65.380		
3,200.00	2,862.31	2,852.31	2,852.31	26.73	10.03	173.84	-212.38	-193.18	1,502.73	1,479.91	22.83	65.837		
3,300.00	2,943.83	2,933.83	2,933.83	27.95	10.32	174.07	-212.38	-193.18	1,560.43	1,536.88	23.55	66.264		
3,400.00	3,025.36	3,015.36	3,015.36	29.17	10.61	174.28	-212.38	-193.18	1,618.13	1,593.86	24.27	66.663		
3,500.00	3,106.89	3,096.89	3,096.89	30.40	10.90	174.47	-212.38	-193.18	1,675.86	1,650.86	25.00	67.036		
3,600.00	3,188.42	3,178.42	3,178.42	31.62	11.20	174.66	-212.38	-193.18	1,733.59	1,707.86	25.73	67.386		
3,700.00	3,269.94	3,259.94	3,259.94	32.85	11.49	174.83	-212.38	-193.18	1,791.34	1,764.88	26.45	67.715		
3,800.00	3,351.47	3,341.47	3,341.47	34.07	11.78	174.99	-212.38	-193.18	1,849.09	1,821.91	27.18	68.025		
3,900.00	3,433.00	3,423.00	3,423.00	35.30	12.07	175.14	-212.38	-193.18	1,906.86	1,878.94	27.91	68.316		
4,000.00	3,514.53	3,504.53	3,504.53	36.53	12.37	175.29	-212.38	-193.18	1,964.63	1,935.99	28.64	68.591		
4,100.00	3,596.05	3,586.05	3,586.05	37.76	12.66	175.42	-212.38	-193.18	2,022.41	1,993.04	29.37	68.851		
4,200.00	3,677.58	3,667.58	3,667.58	38.99	12.95	175.55	-212.38	-193.18	2,080.20	2,050.09	30.11	69.097		
4,300.00	3,759.11	3,749.11	3,749.11	40.22	13.24	175.67	-212.38	-193.18	2,137.99	2,107.15	30.84	69.330		
4,400.00	3,840.64	3,830.64	3,830.64	41.45	13.53	175.78	-212.38	-193.18	2,195.79	2,164.22	31.57	69.551		
4,500.00	3,922.16	3,912.16	3,912.16	42.68	13.83	175.89	-212.38	-193.18	2,253.60	2,221.29	32.30	69.761		
4,600.00	4,003.69	3,993.69	3,993.69	43.91	14.12	175.99	-212.38	-193.18	2,311.41	2,278.37	33.04	69.960		
4,700.00	4,085.22	4,075.22	4,075.22	45.15	14.41	176.09	-212.38	-193.18	2,369.22	2,335.45	33.77	70.149		
4,800.00	4,166.75	4,156.75	4,156.75	46.38	14.70	176.18	-212.38	-193.18	2,427.04	2,392.53	34.51	70.330		
4,900.00	4,248.27	4,238.27	4,238.27	47.61	15.00	176.27	-212.38	-193.18	2,484.87	2,449.62	35.25	70.502		
5,000.00	4,329.80	4,319.80	4,319.80	48.84	15.29	176.36	-212.38	-193.18	2,542.70	2,506.71	35.98	70.665		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 3-T4N-R68W - EXIST JESSER USX S 3-12 - Wellbore #1 - Design #1		Offset Site Error: 0.00 usft	
Survey Program: 0-MWD OWSG													Offset Well Error: 0.00 usft			
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
5,100.00	4,411.33	4,401.33	4,401.33	50.08	15.58	176.44	-212.38	-193.18	2,600.53	2,563.81	36.72	70.822				
5,200.00	4,492.86	4,482.86	4,482.86	51.31	15.87	176.52	-212.38	-193.18	2,658.36	2,620.90	37.46	70.971				
5,300.00	4,574.38	4,564.38	4,564.38	52.54	16.16	176.59	-212.38	-193.18	2,716.20	2,678.00	38.19	71.114				
5,400.00	4,655.91	4,645.91	4,645.91	53.78	16.46	176.66	-212.38	-193.18	2,774.04	2,735.11	38.93	71.251				
5,500.00	4,737.44	4,727.44	4,727.44	55.01	16.75	176.73	-212.38	-193.18	2,831.88	2,792.21	39.67	71.382				
5,600.00	4,818.97	4,808.97	4,808.97	56.24	17.04	176.80	-212.38	-193.18	2,889.73	2,849.32	40.41	71.507				
5,700.00	4,900.49	4,890.49	4,890.49	57.48	17.33	176.86	-212.38	-193.18	2,947.58	2,906.43	41.15	71.627				
5,800.00	4,982.02	4,972.02	4,972.02	58.71	17.63	176.92	-212.38	-193.18	3,005.43	2,963.54	41.89	71.742				
5,900.00	5,063.55	5,053.55	5,053.55	59.95	17.92	176.98	-212.38	-193.18	3,063.28	3,020.65	42.63	71.853				
6,000.00	5,145.08	5,135.08	5,135.08	61.18	18.21	177.03	-212.38	-193.18	3,121.14	3,077.76	43.37	71.959				
6,100.00	5,226.60	5,216.60	5,216.60	62.42	18.50	177.09	-212.38	-193.18	3,178.99	3,134.88	44.12	72.061				
6,200.00	5,308.13	5,298.13	5,298.13	63.65	18.80	177.14	-212.38	-193.18	3,236.85	3,191.99	44.86	72.159				
6,300.00	5,389.66	5,379.66	5,379.66	64.89	19.09	177.19	-212.38	-193.18	3,294.71	3,249.11	45.60	72.253				
6,400.00	5,471.19	5,461.19	5,461.19	66.12	19.38	177.24	-212.38	-193.18	3,352.57	3,306.23	46.34	72.343				
6,500.00	5,552.72	5,542.72	5,542.72	67.36	19.67	177.28	-212.38	-193.18	3,410.44	3,363.35	47.09	72.430				
6,600.00	5,634.24	5,624.24	5,624.24	68.59	19.96	177.33	-212.38	-193.18	3,468.30	3,420.47	47.83	72.514				
6,700.00	5,715.77	5,705.77	5,705.77	69.83	20.26	177.37	-212.38	-193.18	3,526.17	3,477.59	48.57	72.595				
6,800.00	5,797.30	5,787.30	5,787.30	71.06	20.55	177.42	-212.38	-193.18	3,584.03	3,534.72	49.32	72.673				
6,900.00	5,878.83	5,868.83	5,868.83	72.30	20.84	177.46	-212.38	-193.18	3,641.90	3,591.84	50.06	72.748				
7,000.00	5,960.35	5,950.35	5,950.35	73.53	21.13	177.50	-212.38	-193.18	3,699.77	3,648.97	50.81	72.820				
7,100.00	6,041.88	6,031.88	6,031.88	74.77	21.43	177.54	-212.38	-193.18	3,757.64	3,706.09	51.55	72.890				
7,200.00	6,123.41	6,113.41	6,113.41	76.01	21.72	177.57	-212.38	-193.18	3,815.52	3,763.22	52.30	72.957				
7,300.00	6,204.94	6,194.94	6,194.94	77.24	22.01	177.61	-212.38	-193.18	3,873.39	3,820.35	53.04	73.022				
7,400.00	6,286.46	6,276.46	6,276.46	78.48	22.30	177.64	-212.38	-193.18	3,931.26	3,877.47	53.79	73.084				
7,500.00	6,367.99	6,357.99	6,357.99	79.71	22.59	177.68	-212.38	-193.18	3,989.14	3,934.60	54.54	73.144				
7,600.00	6,449.52	6,439.52	6,439.52	80.95	22.89	177.71	-212.38	-193.18	4,047.02	3,991.73	55.29	73.202				
7,700.00	6,531.05	6,521.05	6,521.05	82.19	23.18	177.74	-212.38	-193.18	4,104.89	4,048.86	56.03	73.259				
7,800.00	6,612.57	6,602.57	6,602.57	83.42	23.47	177.78	-212.38	-193.18	4,162.77	4,105.99	56.78	73.313				
7,900.00	6,694.10	6,684.10	6,684.10	84.66	23.76	177.81	-212.38	-193.18	4,220.65	4,163.12	57.53	73.365				
8,000.00	6,775.63	6,765.63	6,765.63	85.89	24.06	177.84	-212.38	-193.18	4,278.53	4,220.25	58.28	73.416				
8,100.00	6,857.16	6,847.16	6,847.16	87.13	24.35	177.86	-212.38	-193.18	4,336.41	4,277.38	59.03	73.465				
8,200.00	6,938.68	6,928.68	6,928.68	88.37	24.64	177.89	-212.38	-193.18	4,394.29	4,334.51	59.78	73.512				
8,300.00	7,020.21	7,010.21	7,010.21	89.60	24.93	177.92	-212.38	-193.18	4,452.17	4,391.65	60.53	73.557				
8,310.57	7,028.83	7,018.83	7,018.83	89.73	24.96	177.92	-212.38	-193.18	4,458.29	4,397.69	60.61	73.562				
8,350.00	7,060.23	7,050.23	7,050.23	90.25	25.08	174.52	-212.38	-193.18	4,482.08	4,421.18	60.90	73.596				
8,400.00	7,097.77	7,087.77	7,087.77	90.98	25.21	170.40	-212.38	-193.18	4,514.93	4,453.66	61.27	73.693				
8,450.00	7,132.48	7,122.48	7,122.48	91.79	25.33	166.26	-212.38	-193.18	4,550.53	4,488.92	61.62	73.852				
8,500.00	7,164.10	7,154.10	7,154.10	92.67	25.45	161.84	-212.38	-193.18	4,588.63	4,526.68	61.95	74.075				
8,550.00	7,192.40	7,182.40	7,182.40	93.63	25.55	156.86	-212.38	-193.18	4,628.94	4,566.69	62.25	74.364				
8,600.00	7,217.15	7,207.15	7,207.15	94.64	25.64	151.00	-212.38	-193.18	4,671.16	4,608.64	62.52	74.718				
8,650.00	7,238.16	7,228.16	7,228.16	95.70	25.71	143.90	-212.38	-193.18	4,714.98	4,652.23	62.75	75.137				
8,700.00	7,255.29	7,245.29	7,245.29	96.80	25.78	135.14	-212.38	-193.18	4,760.08	4,697.13	62.95	75.619				
8,750.00	7,268.39	7,258.39	7,258.39	97.92	25.82	124.43	-212.38	-193.18	4,806.13	4,743.02	63.10	76.161				
8,800.00	7,277.37	7,267.37	7,267.37	99.06	25.85	111.90	-212.38	-193.18	4,852.78	4,789.56	63.22	76.761				
8,850.00	7,282.15	7,272.15	7,272.15	100.20	25.87	98.39	-212.38	-193.18	4,899.70	4,836.41	63.29	77.416				
8,881.61	7,283.00	7,273.00	7,273.00	100.91	25.87	90.00	-212.38	-193.18	4,929.34	4,866.02	63.31	77.855				
8,900.00	7,283.00	7,273.00	7,273.00	101.33	25.87	90.00	-212.38	-193.18	4,946.56	4,883.24	63.32	78.116				
9,000.00	7,283.00	7,273.00	7,273.00	103.59	25.87	90.00	-212.38	-193.18	5,040.36	4,976.98	63.38	79.531				
9,100.00	7,283.00	7,273.00	7,273.00	105.87	25.87	90.00	-212.38	-193.18	5,134.38	5,070.95	63.43	80.943				
9,200.00	7,283.00	7,273.00	7,273.00	108.18	25.87	90.00	-212.38	-193.18	5,228.63	5,165.14	63.49	82.351				
9,300.00	7,283.00	7,273.00	7,273.00	110.50	25.87	90.00	-212.38	-193.18	5,323.09	5,259.53	63.55	83.757				
9,400.00	7,283.00	7,273.00	7,273.00	112.84	25.87	90.00	-212.38	-193.18	5,417.75	5,354.13	63.62	85.158				

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 3-T4N-R68W - EXIST JESSER USX S 3-12 - Wellbore #1 - Design #1		Offset Site Error:		0.00 usft	
Survey Program: 0-MWD OWSG													Offset Well Error:		0.00 usft			
Reference		Offset		Semi Major Axis		Distance								Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor						
9,500.00	7,283.00	7,273.00	7,273.00	115.19	25.87	90.00	-212.38	-193.18	5,512.59	5,448.90	63.69	86.557						
9,600.00	7,283.00	7,273.00	7,273.00	117.56	25.87	90.00	-212.38	-193.18	5,607.62	5,543.86	63.76	87.953						
9,700.00	7,283.00	7,273.00	7,273.00	119.95	25.87	90.00	-212.38	-193.18	5,702.81	5,638.98	63.83	89.345						
9,800.00	7,283.00	7,273.00	7,273.00	122.34	25.87	90.00	-212.38	-193.18	5,798.17	5,734.26	63.90	90.735						
9,900.00	7,283.00	7,273.00	7,273.00	124.76	25.87	90.00	-212.38	-193.18	5,893.68	5,829.70	63.98	92.121						
10,000.00	7,283.00	7,273.00	7,273.00	127.18	25.87	90.00	-212.38	-193.18	5,989.33	5,925.28	64.05	93.505						
10,100.00	7,283.00	7,273.00	7,273.00	129.61	25.87	90.00	-212.38	-193.18	6,085.13	6,021.00	64.13	94.885						
10,200.00	7,283.00	7,273.00	7,273.00	132.06	25.87	90.00	-212.38	-193.18	6,181.06	6,116.85	64.21	96.263						
10,300.00	7,283.00	7,273.00	7,273.00	134.52	25.87	90.00	-212.38	-193.18	6,277.12	6,212.83	64.29	97.638						
10,400.00	7,283.00	7,273.00	7,273.00	136.98	25.87	90.00	-212.38	-193.18	6,373.30	6,308.93	64.37	99.010						
10,500.00	7,283.00	7,273.00	7,273.00	139.46	25.87	90.00	-212.38	-193.18	6,469.59	6,405.14	64.45	100.380						
10,600.00	7,283.00	7,273.00	7,273.00	141.94	25.87	90.00	-212.38	-193.18	6,565.99	6,501.46	64.53	101.746						
10,700.00	7,283.00	7,273.00	7,273.00	144.44	25.87	90.00	-212.38	-193.18	6,662.51	6,597.89	64.62	103.110						
10,800.00	7,283.00	7,273.00	7,273.00	146.94	25.87	90.00	-212.38	-193.18	6,759.12	6,694.42	64.70	104.471						
10,900.00	7,283.00	7,273.00	7,273.00	149.45	25.87	90.00	-212.38	-193.18	6,855.83	6,791.05	64.78	105.830						
11,000.00	7,283.00	7,273.00	7,273.00	151.96	25.87	90.00	-212.38	-193.18	6,952.63	6,887.76	64.87	107.185						
11,100.00	7,283.00	7,273.00	7,273.00	154.49	25.87	90.00	-212.38	-193.18	7,049.52	6,984.57	64.95	108.538						
11,200.00	7,283.00	7,273.00	7,273.00	157.01	25.87	90.00	-212.38	-193.18	7,146.50	7,081.46	65.03	109.888						
11,300.00	7,283.00	7,273.00	7,273.00	159.55	25.87	90.00	-212.38	-193.18	7,243.56	7,178.44	65.12	111.236						
11,400.00	7,283.00	7,273.00	7,273.00	162.09	25.87	90.00	-212.38	-193.18	7,340.70	7,275.49	65.20	112.581						
11,500.00	7,283.00	7,273.00	7,273.00	164.64	25.87	90.00	-212.38	-193.18	7,437.91	7,372.62	65.29	113.923						
11,600.00	7,283.00	7,273.00	7,273.00	167.19	25.87	90.00	-212.38	-193.18	7,535.20	7,469.82	65.37	115.262						
11,700.00	7,283.00	7,273.00	7,273.00	169.75	25.87	90.00	-212.38	-193.18	7,632.56	7,567.10	65.46	116.598						
11,800.00	7,283.00	7,273.00	7,273.00	172.31	25.87	90.00	-212.38	-193.18	7,729.98	7,664.43	65.55	117.932						
11,900.00	7,283.00	7,273.00	7,273.00	174.88	25.87	90.00	-212.38	-193.18	7,827.47	7,761.84	65.63	119.263						
12,000.00	7,283.00	7,273.00	7,273.00	177.45	25.87	90.00	-212.38	-193.18	7,925.02	7,859.31	65.72	120.592						
12,100.00	7,283.00	7,273.00	7,273.00	180.03	25.87	90.00	-212.38	-193.18	8,022.64	7,956.83	65.80	121.917						
12,200.00	7,283.00	7,273.00	7,273.00	182.61	25.87	90.00	-212.38	-193.18	8,120.31	8,054.42	65.89	123.240						
12,300.00	7,283.00	7,273.00	7,273.00	185.19	25.87	90.00	-212.38	-193.18	8,218.03	8,152.06	65.98	124.560						
12,400.00	7,283.00	7,273.00	7,273.00	187.78	25.87	90.00	-212.38	-193.18	8,315.81	8,249.75	66.06	125.877						
12,500.00	7,283.00	7,273.00	7,273.00	190.37	25.87	90.00	-212.38	-193.18	8,413.65	8,347.50	66.15	127.192						
12,600.00	7,283.00	7,273.00	7,273.00	192.97	25.87	90.00	-212.38	-193.18	8,511.53	8,445.29	66.24	128.504						
12,700.00	7,283.00	7,273.00	7,273.00	195.57	25.87	90.00	-212.38	-193.18	8,609.46	8,543.14	66.32	129.812						
12,800.00	7,283.00	7,273.00	7,273.00	198.17	25.87	90.00	-212.38	-193.18	8,707.44	8,641.03	66.41	131.119						
12,900.00	7,283.00	7,273.00	7,273.00	200.77	25.87	90.00	-212.38	-193.18	8,805.47	8,738.97	66.50	132.422						
13,000.00	7,283.00	7,273.00	7,273.00	203.38	25.87	90.00	-212.38	-193.18	8,903.53	8,836.95	66.58	133.722						
13,100.00	7,283.00	7,273.00	7,273.00	205.99	25.87	90.00	-212.38	-193.18	9,001.65	8,934.98	66.67	135.020						
13,200.00	7,283.00	7,273.00	7,273.00	208.61	25.87	90.00	-212.38	-193.18	9,099.80	9,033.04	66.76	136.314						
13,300.00	7,283.00	7,273.00	7,273.00	211.22	25.87	90.00	-212.38	-193.18	9,197.99	9,131.15	66.84	137.606						
13,400.00	7,283.00	7,273.00	7,273.00	213.84	25.87	90.00	-212.38	-193.18	9,296.22	9,229.29	66.93	138.895						
13,500.00	7,283.00	7,273.00	7,273.00	216.47	25.87	90.00	-212.38	-193.18	9,394.49	9,327.47	67.02	140.181						
13,600.00	7,283.00	7,273.00	7,273.00	219.09	25.87	90.00	-212.38	-193.18	9,492.79	9,425.69	67.10	141.464						
13,700.00	7,283.00	7,273.00	7,273.00	221.72	25.87	90.00	-212.38	-193.18	9,591.13	9,523.94	67.19	142.744						
13,800.00	7,283.00	7,273.00	7,273.00	224.34	25.87	90.00	-212.38	-193.18	9,689.50	9,622.22	67.28	144.021						
13,900.00	7,283.00	7,273.00	7,273.00	226.97	25.87	90.00	-212.38	-193.18	9,787.91	9,720.54	67.37	145.296						
14,000.00	7,283.00	7,273.00	7,273.00	229.61	25.87	90.00	-212.38	-193.18	9,886.35	9,818.89	67.45	146.567						
14,100.00	7,283.00	7,273.00	7,273.00	232.24	25.87	90.00	-212.38	-193.18	9,984.82	9,917.28	67.54	147.835						

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	54.00	54.00	0.27	0.08	55.66	782.17	1,144.79	1,386.48	1,386.13	0.35	3,927.049		
200.00	200.00	154.00	154.00	0.63	0.35	55.66	782.17	1,144.79	1,386.48	1,385.50	0.98	1,419.359		
300.00	299.98	253.98	253.98	0.98	0.71	-13.98	782.17	1,144.79	1,384.79	1,383.10	1.69	819.227		
400.00	399.84	353.84	353.84	1.34	1.07	-14.06	782.17	1,144.79	1,379.71	1,377.30	2.41	572.992		
500.00	499.45	453.45	453.45	1.71	1.42	-14.19	782.17	1,144.79	1,371.25	1,368.13	3.13	438.171		
600.00	598.70	552.70	552.70	2.10	1.78	-14.37	782.17	1,144.79	1,359.44	1,355.59	3.85	352.737		
700.00	697.47	651.47	651.47	2.51	2.13	-14.61	782.17	1,144.79	1,344.28	1,339.70	4.58	293.428		
800.00	795.62	749.62	749.62	2.95	2.48	-14.92	782.17	1,144.79	1,325.81	1,320.50	5.31	249.596		
900.00	893.06	847.06	847.06	3.43	2.83	-15.29	782.17	1,144.79	1,304.06	1,298.01	6.05	215.682		
1,000.00	989.64	943.64	943.64	3.95	3.18	-15.73	782.17	1,144.79	1,279.06	1,272.27	6.79	188.510		
1,100.00	1,085.27	1,039.27	1,039.27	4.52	3.52	-16.26	782.17	1,144.79	1,250.86	1,243.33	7.53	166.127		
1,200.00	1,179.82	1,133.82	1,133.82	5.14	3.86	-16.88	782.17	1,144.79	1,219.52	1,211.24	8.28	147.273		
1,300.00	1,273.17	1,227.17	1,227.17	5.81	4.20	-17.60	782.17	1,144.79	1,185.10	1,176.06	9.04	131.095		
1,400.00	1,365.21	1,319.21	1,319.21	6.54	4.53	-18.43	782.17	1,144.79	1,147.67	1,137.86	9.81	116.996		
1,500.00	1,455.84	1,409.84	1,409.84	7.33	4.85	-19.41	782.17	1,144.79	1,107.31	1,096.72	10.59	104.544		
1,600.00	1,544.94	1,498.94	1,498.94	8.19	5.17	-20.55	782.17	1,144.79	1,064.12	1,052.73	11.39	93.420		
1,700.00	1,632.39	1,586.39	1,586.39	9.12	5.48	-21.87	782.17	1,144.79	1,018.21	1,006.00	12.21	83.384		
1,800.00	1,718.11	1,672.11	1,672.11	10.11	5.79	-23.42	782.17	1,144.79	969.71	956.65	13.06	74.251		
1,900.00	1,801.97	1,755.97	1,755.97	11.18	6.09	-25.23	782.17	1,144.79	918.78	904.83	13.95	65.876		
1,969.27	1,858.92	1,812.92	1,812.92	11.96	6.30	-26.67	782.17	1,144.79	882.18	867.58	14.59	60.455		
2,000.00	1,883.98	1,837.98	1,837.98	12.31	6.39	-27.18	782.17	1,144.79	865.73	850.84	14.89	58.153		
2,100.00	1,965.50	1,919.50	1,919.50	13.48	6.68	-28.97	782.17	1,144.79	812.62	796.74	15.88	51.171		
2,200.00	2,047.03	2,001.03	2,001.03	14.65	6.97	-30.99	782.17	1,144.79	760.22	743.27	16.95	44.851		
2,300.00	2,128.56	2,082.56	2,082.56	15.84	7.26	-33.27	782.17	1,144.79	708.67	690.56	18.11	39.131		
2,400.00	2,210.09	2,164.09	2,164.09	17.03	7.56	-35.88	782.17	1,144.79	658.18	638.79	19.38	33.959		
2,500.00	2,291.61	2,245.61	2,245.61	18.23	7.85	-38.85	782.17	1,144.79	609.01	588.22	20.79	29.297		
2,600.00	2,373.14	2,327.14	2,327.14	19.44	8.14	-42.27	782.17	1,144.79	561.50	539.15	22.36	25.117		
2,700.00	2,454.67	2,408.67	2,408.67	20.64	8.43	-46.20	782.17	1,144.79	516.13	492.02	24.11	21.403		
2,800.00	2,536.20	2,490.20	2,490.20	21.86	8.72	-50.73	782.17	1,144.79	473.50	447.41	26.09	18.147		
2,900.00	2,617.72	2,571.72	2,571.72	23.07	9.02	-55.92	782.17	1,144.79	434.42	406.12	28.30	15.351		
3,000.00	2,699.25	2,653.25	2,653.25	24.29	9.31	-61.84	782.17	1,144.79	399.93	369.22	30.72	13.020		
3,100.00	2,780.78	2,734.78	2,734.78	25.50	9.60	-68.49	782.17	1,144.79	371.32	338.06	33.26	11.165		
3,200.00	2,862.31	2,816.31	2,816.31	26.73	9.89	-75.81	782.17	1,144.79	350.02	314.27	35.76	9.789		
3,300.00	2,943.83	2,897.83	2,897.83	27.95	10.19	-83.63	782.17	1,144.79	337.43	299.47	37.96	8.889		
3,379.06	3,008.29	2,962.29	2,962.29	28.91	10.42	-90.00	782.17	1,144.79	334.31	294.98	39.33	8.500 CC		
3,400.00	3,025.36	2,979.36	2,979.36	29.17	10.48	-91.69	782.17	1,144.79	334.53	294.91	39.62	8.443 ES		
3,500.00	3,106.89	3,060.89	3,060.89	30.40	10.77	-99.69	782.17	1,144.79	341.57	300.97	40.60	8.413 SF		
3,600.00	3,188.42	3,142.42	3,142.42	31.62	11.06	-107.33	782.17	1,144.79	357.96	317.02	40.94	8.743		
3,700.00	3,269.94	3,223.94	3,223.94	32.85	11.35	-114.38	782.17	1,144.79	382.50	341.68	40.82	9.371		
3,800.00	3,351.47	3,305.47	3,305.47	34.07	11.65	-120.73	782.17	1,144.79	413.74	373.30	40.44	10.231		
3,900.00	3,433.00	3,387.00	3,387.00	35.30	11.94	-126.34	782.17	1,144.79	450.29	410.31	39.98	11.262		
4,000.00	3,514.53	3,468.53	3,468.53	36.53	12.23	-131.25	782.17	1,144.79	490.97	451.42	39.56	12.412		
4,100.00	3,596.05	3,550.05	3,550.05	37.76	12.52	-135.51	782.17	1,144.79	534.84	495.63	39.21	13.640		
4,200.00	3,677.58	3,631.58	3,631.58	38.99	12.82	-139.22	782.17	1,144.79	581.17	542.19	38.97	14.913		
4,300.00	3,759.11	3,713.11	3,713.11	40.22	13.11	-142.44	782.17	1,144.79	629.41	590.57	38.84	16.204		
4,400.00	3,840.64	3,794.64	3,794.64	41.45	13.40	-145.25	782.17	1,144.79	679.18	640.36	38.82	17.497		
4,500.00	3,922.16	3,876.16	3,876.16	42.68	13.69	-147.72	782.17	1,144.79	730.14	691.25	38.89	18.777		
4,600.00	4,003.69	3,957.69	3,957.69	43.91	13.98	-149.89	782.17	1,144.79	782.07	743.03	39.04	20.034		
4,700.00	4,085.22	4,039.22	4,039.22	45.15	14.28	-151.81	782.17	1,144.79	834.79	795.53	39.26	21.264		
4,800.00	4,166.75	4,120.75	4,120.75	46.38	14.57	-153.51	782.17	1,144.79	888.15	848.61	39.54	22.460		
4,900.00	4,248.27	4,202.27	4,202.27	47.61	14.86	-155.03	782.17	1,144.79	942.05	902.17	39.88	23.622		
5,000.00	4,329.80	4,283.80	4,283.80	48.84	15.15	-156.40	782.17	1,144.79	996.40	956.14	40.26	24.747		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,411.33	4,365.33	4,365.33	50.08	15.45	-157.63	782.17	1,144.79	1,051.13	1,010.44	40.69	25.835		
5,200.00	4,492.86	4,446.86	4,446.86	51.31	15.74	-158.75	782.17	1,144.79	1,106.18	1,065.04	41.14	26.886		
5,300.00	4,574.38	4,528.38	4,528.38	52.54	16.03	-159.76	782.17	1,144.79	1,161.52	1,119.89	41.63	27.901		
5,400.00	4,655.91	4,609.91	4,609.91	53.78	16.32	-160.69	782.17	1,144.79	1,217.09	1,174.94	42.14	28.881		
5,500.00	4,737.44	4,691.44	4,691.44	55.01	16.61	-161.54	782.17	1,144.79	1,272.87	1,230.19	42.68	29.826		
5,600.00	4,818.97	4,772.97	4,772.97	56.24	16.91	-162.32	782.17	1,144.79	1,328.83	1,285.60	43.23	30.738		
5,700.00	4,900.49	4,854.49	4,854.49	57.48	17.20	-163.03	782.17	1,144.79	1,384.95	1,341.15	43.80	31.618		
5,800.00	4,982.02	4,936.02	4,936.02	58.71	17.49	-163.70	782.17	1,144.79	1,441.21	1,396.82	44.39	32.467		
5,900.00	5,063.55	5,017.55	5,017.55	59.95	17.78	-164.31	782.17	1,144.79	1,497.60	1,452.61	44.99	33.287		
6,000.00	5,145.08	5,099.08	5,099.08	61.18	18.08	-164.88	782.17	1,144.79	1,554.10	1,508.50	45.60	34.079		
6,100.00	5,226.60	5,180.60	5,180.60	62.42	18.37	-165.41	782.17	1,144.79	1,610.70	1,564.47	46.23	34.844		
6,200.00	5,308.13	5,262.13	5,262.13	63.65	18.66	-165.91	782.17	1,144.79	1,667.39	1,620.53	46.86	35.583		
6,300.00	5,389.66	5,343.66	5,343.66	64.89	18.95	-166.37	782.17	1,144.79	1,724.16	1,676.66	47.50	36.298		
6,400.00	5,471.19	5,425.19	5,425.19	66.12	19.25	-166.81	782.17	1,144.79	1,781.00	1,732.85	48.15	36.989		
6,500.00	5,552.72	5,506.72	5,506.72	67.36	19.54	-167.22	782.17	1,144.79	1,837.91	1,789.11	48.81	37.657		
6,600.00	5,634.24	5,588.24	5,588.24	68.59	19.83	-167.60	782.17	1,144.79	1,894.88	1,845.41	49.47	38.304		
6,700.00	5,715.77	5,669.77	5,669.77	69.83	20.12	-167.96	782.17	1,144.79	1,951.91	1,901.77	50.14	38.930		
6,800.00	5,797.30	5,751.30	5,751.30	71.06	20.41	-168.31	782.17	1,144.79	2,008.99	1,958.17	50.81	39.537		
6,900.00	5,878.83	5,832.83	5,832.83	72.30	20.71	-168.63	782.17	1,144.79	2,066.11	2,014.62	51.49	40.125		
7,000.00	5,960.35	5,914.35	5,914.35	73.53	21.00	-168.93	782.17	1,144.79	2,123.27	2,071.10	52.18	40.695		
7,100.00	6,041.88	5,995.88	5,995.88	74.77	21.29	-169.22	782.17	1,144.79	2,180.48	2,127.61	52.86	41.247		
7,200.00	6,123.41	6,077.41	6,077.41	76.01	21.58	-169.50	782.17	1,144.79	2,237.72	2,184.16	53.55	41.784		
7,300.00	6,204.94	6,158.94	6,158.94	77.24	21.88	-169.76	782.17	1,144.79	2,294.99	2,240.74	54.25	42.304		
7,400.00	6,286.46	6,240.46	6,240.46	78.48	22.17	-170.01	782.17	1,144.79	2,352.30	2,297.35	54.95	42.809		
7,500.00	6,367.99	6,321.99	6,321.99	79.71	22.46	-170.25	782.17	1,144.79	2,409.63	2,353.98	55.65	43.300		
7,600.00	6,449.52	6,403.52	6,403.52	80.95	22.75	-170.48	782.17	1,144.79	2,466.99	2,410.64	56.35	43.777		
7,700.00	6,531.05	6,485.05	6,485.05	82.19	23.04	-170.69	782.17	1,144.79	2,524.38	2,467.31	57.06	44.240		
7,800.00	6,612.57	6,566.57	6,566.57	83.42	23.34	-170.90	782.17	1,144.79	2,581.78	2,524.01	57.77	44.690		
7,900.00	6,694.10	6,648.10	6,648.10	84.66	23.63	-171.10	782.17	1,144.79	2,639.21	2,580.73	58.48	45.128		
8,000.00	6,775.63	6,729.63	6,729.63	85.89	23.92	-171.29	782.17	1,144.79	2,696.67	2,637.47	59.20	45.555		
8,100.00	6,857.16	6,811.16	6,811.16	87.13	24.21	-171.47	782.17	1,144.79	2,754.14	2,694.22	59.91	45.969		
8,200.00	6,938.68	6,892.68	6,892.68	88.37	24.51	-171.64	782.17	1,144.79	2,811.62	2,750.99	60.63	46.373		
8,300.00	7,020.21	6,974.21	6,974.21	89.60	24.80	-171.81	782.17	1,144.79	2,869.13	2,807.78	61.35	46.766		
8,310.57	7,028.83	6,982.83	6,982.83	89.73	24.83	-171.83	782.17	1,144.79	2,875.21	2,813.78	61.43	46.807		
8,350.00	7,060.23	7,014.23	7,014.23	90.25	24.94	-174.80	782.17	1,144.79	2,898.93	2,837.22	61.71	46.976		
8,400.00	7,097.77	7,051.77	7,051.77	90.98	25.08	-178.25	782.17	1,144.79	2,931.91	2,869.84	62.07	47.238		
8,450.00	7,132.48	7,086.48	7,086.48	91.79	25.20	178.42	782.17	1,144.79	2,967.87	2,905.46	62.41	47.555		
8,500.00	7,164.10	7,118.10	7,118.10	92.67	25.31	174.98	782.17	1,144.79	3,006.56	2,943.83	62.73	47.928		
8,550.00	7,192.40	7,146.40	7,146.40	93.63	25.42	171.15	782.17	1,144.79	3,047.67	2,984.64	63.03	48.356		
8,600.00	7,217.15	7,171.15	7,171.15	94.64	25.50	166.59	782.17	1,144.79	3,090.89	3,027.60	63.29	48.837		
8,650.00	7,238.16	7,192.16	7,192.16	95.70	25.58	160.76	782.17	1,144.79	3,135.91	3,072.39	63.52	49.369		
8,700.00	7,255.29	7,209.29	7,209.29	96.80	25.64	152.84	782.17	1,144.79	3,182.39	3,118.68	63.71	49.951		
8,750.00	7,268.39	7,222.39	7,222.39	97.92	25.69	141.51	782.17	1,144.79	3,229.98	3,166.12	63.86	50.578		
8,800.00	7,277.37	7,231.37	7,231.37	99.06	25.72	125.22	782.17	1,144.79	3,278.32	3,214.35	63.97	51.248		
8,850.00	7,282.15	7,236.15	7,236.15	100.20	25.74	104.04	782.17	1,144.79	3,327.07	3,263.03	64.04	51.956		
8,881.61	7,283.00	7,237.00	7,237.00	100.91	25.74	90.00	782.17	1,144.79	3,357.92	3,293.86	64.06	52.420		
8,900.00	7,283.00	7,237.00	7,237.00	101.33	25.74	90.00	782.17	1,144.79	3,375.87	3,311.80	64.07	52.694		
9,000.00	7,283.00	7,237.00	7,237.00	103.59	25.74	90.00	782.17	1,144.79	3,473.51	3,409.40	64.11	54.183		
9,100.00	7,283.00	7,237.00	7,237.00	105.87	25.74	90.00	782.17	1,144.79	3,571.28	3,507.13	64.15	55.672		
9,200.00	7,283.00	7,237.00	7,237.00	108.18	25.74	90.00	782.17	1,144.79	3,669.17	3,604.98	64.19	57.159		
9,300.00	7,283.00	7,237.00	7,237.00	110.50	25.74	90.00	782.17	1,144.79	3,767.17	3,702.93	64.24	58.645		
9,400.00	7,283.00	7,237.00	7,237.00	112.84	25.74	90.00	782.17	1,144.79	3,865.27	3,800.99	64.28	60.131		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,500.00	7,283.00	7,237.00	7,237.00	115.19	25.74	90.00	782.17	1,144.79	3,963.47	3,899.14	64.33	61.615		
9,600.00	7,283.00	7,237.00	7,237.00	117.56	25.74	90.00	782.17	1,144.79	4,061.76	3,997.38	64.37	63.097		
9,700.00	7,283.00	7,237.00	7,237.00	119.95	25.74	90.00	782.17	1,144.79	4,160.13	4,095.71	64.42	64.578		
9,800.00	7,283.00	7,237.00	7,237.00	122.34	25.74	90.00	782.17	1,144.79	4,258.57	4,194.10	64.47	66.058		
9,900.00	7,283.00	7,237.00	7,237.00	124.76	25.74	90.00	782.17	1,144.79	4,357.09	4,292.57	64.51	67.536		
10,000.00	7,283.00	7,237.00	7,237.00	127.18	25.74	90.00	782.17	1,144.79	4,455.67	4,391.10	64.56	69.012		
10,100.00	7,283.00	7,237.00	7,237.00	129.61	25.74	90.00	782.17	1,144.79	4,554.31	4,489.70	64.61	70.487		
10,200.00	7,283.00	7,237.00	7,237.00	132.06	25.74	90.00	782.17	1,144.79	4,653.01	4,588.35	64.66	71.960		
10,300.00	7,283.00	7,237.00	7,237.00	134.52	25.74	90.00	782.17	1,144.79	4,751.77	4,687.06	64.71	73.431		
10,400.00	7,283.00	7,237.00	7,237.00	136.98	25.74	90.00	782.17	1,144.79	4,850.57	4,785.81	64.76	74.900		
10,500.00	7,283.00	7,237.00	7,237.00	139.46	25.74	90.00	782.17	1,144.79	4,949.43	4,884.62	64.81	76.367		
10,600.00	7,283.00	7,237.00	7,237.00	141.94	25.74	90.00	782.17	1,144.79	5,048.33	4,983.46	64.86	77.832		
10,700.00	7,283.00	7,237.00	7,237.00	144.44	25.74	90.00	782.17	1,144.79	5,147.27	5,082.36	64.91	79.295		
10,800.00	7,283.00	7,237.00	7,237.00	146.94	25.74	90.00	782.17	1,144.79	5,246.25	5,181.29	64.96	80.756		
10,900.00	7,283.00	7,237.00	7,237.00	149.45	25.74	90.00	782.17	1,144.79	5,345.27	5,280.25	65.02	82.214		
11,000.00	7,283.00	7,237.00	7,237.00	151.96	25.74	90.00	782.17	1,144.79	5,444.33	5,379.26	65.07	83.670		
11,100.00	7,283.00	7,237.00	7,237.00	154.49	25.74	90.00	782.17	1,144.79	5,543.42	5,478.29	65.12	85.124		
11,200.00	7,283.00	7,237.00	7,237.00	157.01	25.74	90.00	782.17	1,144.79	5,642.54	5,577.36	65.17	86.576		
11,300.00	7,283.00	7,237.00	7,237.00	159.55	25.74	90.00	782.17	1,144.79	5,741.69	5,676.46	65.23	88.025		
11,400.00	7,283.00	7,237.00	7,237.00	162.09	25.74	90.00	782.17	1,144.79	5,840.87	5,775.59	65.28	89.472		
11,500.00	7,283.00	7,237.00	7,237.00	164.64	25.74	90.00	782.17	1,144.79	5,940.08	5,874.74	65.34	90.916		
11,600.00	7,283.00	7,237.00	7,237.00	167.19	25.74	90.00	782.17	1,144.79	6,039.31	5,973.92	65.39	92.358		
11,700.00	7,283.00	7,237.00	7,237.00	169.75	25.74	90.00	782.17	1,144.79	6,138.57	6,073.13	65.45	93.797		
11,800.00	7,283.00	7,237.00	7,237.00	172.31	25.74	90.00	782.17	1,144.79	6,237.86	6,172.36	65.50	95.233		
11,900.00	7,283.00	7,237.00	7,237.00	174.88	25.74	90.00	782.17	1,144.79	6,337.16	6,271.61	65.56	96.667		
12,000.00	7,283.00	7,237.00	7,237.00	177.45	25.74	90.00	782.17	1,144.79	6,436.49	6,370.88	65.61	98.098		
12,100.00	7,283.00	7,237.00	7,237.00	180.03	25.74	90.00	782.17	1,144.79	6,535.84	6,470.17	65.67	99.527		
12,200.00	7,283.00	7,237.00	7,237.00	182.61	25.74	90.00	782.17	1,144.79	6,635.21	6,569.48	65.73	100.952		
12,300.00	7,283.00	7,237.00	7,237.00	185.19	25.74	90.00	782.17	1,144.79	6,734.59	6,668.81	65.78	102.375		
12,400.00	7,283.00	7,237.00	7,237.00	187.78	25.74	90.00	782.17	1,144.79	6,834.00	6,768.15	65.84	103.795		
12,500.00	7,283.00	7,237.00	7,237.00	190.37	25.74	90.00	782.17	1,144.79	6,933.42	6,867.52	65.90	105.212		
12,600.00	7,283.00	7,237.00	7,237.00	192.97	25.74	90.00	782.17	1,144.79	7,032.85	6,966.90	65.96	106.627		
12,700.00	7,283.00	7,237.00	7,237.00	195.57	25.74	90.00	782.17	1,144.79	7,132.31	7,066.29	66.02	108.038		
12,800.00	7,283.00	7,237.00	7,237.00	198.17	25.74	90.00	782.17	1,144.79	7,231.78	7,165.70	66.08	109.447		
12,900.00	7,283.00	7,237.00	7,237.00	200.77	25.74	90.00	782.17	1,144.79	7,331.26	7,265.12	66.14	110.852		
13,000.00	7,283.00	7,237.00	7,237.00	203.38	25.74	90.00	782.17	1,144.79	7,430.76	7,364.56	66.20	112.254		
13,100.00	7,283.00	7,237.00	7,237.00	205.99	25.74	90.00	782.17	1,144.79	7,530.27	7,464.01	66.26	113.654		
13,200.00	7,283.00	7,237.00	7,237.00	208.61	25.74	90.00	782.17	1,144.79	7,629.79	7,563.47	66.32	115.050		
13,300.00	7,283.00	7,237.00	7,237.00	211.22	25.74	90.00	782.17	1,144.79	7,729.32	7,662.94	66.38	116.443		
13,400.00	7,283.00	7,237.00	7,237.00	213.84	25.74	90.00	782.17	1,144.79	7,828.87	7,762.43	66.44	117.834		
13,500.00	7,283.00	7,237.00	7,237.00	216.47	25.74	90.00	782.17	1,144.79	7,928.43	7,861.93	66.50	119.221		
13,600.00	7,283.00	7,237.00	7,237.00	219.09	25.74	90.00	782.17	1,144.79	8,028.00	7,961.43	66.56	120.604		
13,700.00	7,283.00	7,237.00	7,237.00	221.72	25.74	90.00	782.17	1,144.79	8,127.58	8,060.95	66.63	121.985		
13,800.00	7,283.00	7,237.00	7,237.00	224.34	25.74	90.00	782.17	1,144.79	8,227.17	8,160.48	66.69	123.362		
13,900.00	7,283.00	7,237.00	7,237.00	226.97	25.74	90.00	782.17	1,144.79	8,326.77	8,260.01	66.75	124.737		
14,000.00	7,283.00	7,237.00	7,237.00	229.61	25.74	90.00	782.17	1,144.79	8,426.38	8,359.56	66.82	126.108		
14,100.00	7,283.00	7,237.00	7,237.00	232.24	25.74	90.00	782.17	1,144.79	8,526.00	8,459.11	66.88	127.475		
14,200.00	7,283.00	7,237.00	7,237.00	234.88	25.74	90.00	782.17	1,144.79	8,625.62	8,558.68	66.95	128.840		
14,300.00	7,283.00	7,237.00	7,237.00	237.52	25.74	90.00	782.17	1,144.79	8,725.26	8,658.25	67.01	130.201		
14,400.00	7,283.00	7,237.00	7,237.00	240.16	25.74	90.00	782.17	1,144.79	8,824.90	8,757.82	67.08	131.558		
14,500.00	7,283.00	7,237.00	7,237.00	242.80	25.74	90.00	782.17	1,144.79	8,924.56	8,857.41	67.15	132.913		
14,600.00	7,283.00	7,237.00	7,237.00	245.44	25.74	90.00	782.17	1,144.79	9,024.22	8,957.00	67.21	134.264		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T4N-R68W - EXIST JESSER USX S 3-6 - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,700.00	7,283.00	7,237.00	7,237.00	248.09	25.74	90.00	782.17	1,144.79	9,123.88	9,056.60	67.28	135.611	
14,800.00	7,283.00	7,237.00	7,237.00	250.74	25.74	90.00	782.17	1,144.79	9,223.56	9,156.21	67.35	136.955	
14,900.00	7,283.00	7,237.00	7,237.00	253.38	25.74	90.00	782.17	1,144.79	9,323.24	9,255.82	67.42	138.296	
15,000.00	7,283.00	7,237.00	7,237.00	256.03	25.74	90.00	782.17	1,144.79	9,422.93	9,355.44	67.48	139.633	
15,100.00	7,283.00	7,237.00	7,237.00	258.69	25.74	90.00	782.17	1,144.79	9,522.62	9,455.07	67.55	140.967	
15,200.00	7,283.00	7,237.00	7,237.00	261.34	25.74	90.00	782.17	1,144.79	9,622.32	9,554.70	67.62	142.297	
15,300.00	7,283.00	7,237.00	7,237.00	263.99	25.74	90.00	782.17	1,144.79	9,722.03	9,654.34	67.69	143.624	
15,400.00	7,283.00	7,237.00	7,237.00	266.65	25.74	90.00	782.17	1,144.79	9,821.74	9,753.98	67.76	144.948	
15,500.00	7,283.00	7,237.00	7,237.00	269.31	25.74	90.00	782.17	1,144.79	9,921.46	9,853.63	67.83	146.267	
15,600.00	7,283.00	7,237.00	7,237.00	271.96	25.74	90.00	782.17	1,144.79	10,021.19	9,953.29	67.90	147.584	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 215-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	3.91	3.91	0.00	0.01	-91.04	-2.91	-159.72	159.75					
100.00	100.00	101.68	101.68	0.27	0.16	-91.11	-3.12	-160.45	160.50	160.07	0.43	373.205		
200.00	200.00	199.42	199.39	0.63	0.32	-91.31	-3.71	-162.53	162.64	161.70	0.94	172.872		
300.00	299.98	294.89	294.78	0.98	0.63	-161.40	-4.77	-166.37	168.34	166.73	1.62	104.091		
400.00	399.84	388.34	387.97	1.34	0.99	-162.31	-6.49	-172.94	180.40	178.07	2.33	77.399		
500.00	499.45	481.73	480.86	1.71	1.35	-163.61	-9.27	-182.24	198.79	195.75	3.04	65.326		
600.00	598.70	577.36	575.73	2.10	1.74	-165.41	-14.05	-193.19	222.25	218.49	3.76	59.124		
700.00	697.47	672.40	669.91	2.51	2.14	-167.42	-20.44	-204.23	249.60	245.12	4.47	55.779		
800.00	795.62	768.45	765.08	2.95	2.55	-169.23	-27.12	-215.32	280.47	275.28	5.19	53.991		
900.00	893.06	861.76	857.58	3.43	2.94	-170.73	-33.49	-225.86	314.57	308.66	5.91	53.261		
1,000.00	989.64	955.13	950.11	3.95	3.33	-172.09	-40.24	-236.30	352.06	345.44	6.62	53.197		
1,100.00	1,085.27	1,043.85	1,038.04	4.52	3.71	-173.18	-46.58	-246.29	392.94	385.63	7.31	53.741		
1,200.00	1,179.82	1,130.38	1,123.74	5.14	4.08	-174.03	-52.43	-256.73	437.70	429.70	8.00	54.732		
1,300.00	1,273.17	1,219.22	1,211.68	5.81	4.46	-174.79	-58.62	-267.69	485.90	477.20	8.70	55.867		
1,400.00	1,365.21	1,305.52	1,297.20	6.54	4.83	-175.32	-63.67	-278.20	536.79	527.40	9.39	57.177		
1,500.00	1,455.84	1,387.86	1,378.76	7.33	5.19	-175.76	-68.49	-288.42	590.86	580.80	10.06	58.736		
1,600.00	1,544.94	1,468.92	1,459.04	8.19	5.53	-176.01	-72.22	-299.01	648.08	637.35	10.73	60.410		
1,700.00	1,632.39	1,550.29	1,539.62	9.12	5.88	-176.22	-75.72	-309.68	708.09	696.69	11.40	62.099		
1,800.00	1,718.11	1,632.68	1,621.27	10.11	6.23	-176.40	-79.17	-320.15	770.53	758.44	12.09	63.737		
1,900.00	1,801.97	1,697.29	1,685.31	11.18	6.51	-176.51	-81.89	-328.29	835.64	822.97	12.67	65.974		
1,969.27	1,858.92	1,731.76	1,719.37	11.96	6.66	-176.56	-83.73	-333.26	883.30	870.30	13.00	67.959		
2,000.00	1,883.98	1,746.50	1,733.90	12.31	6.73	-176.62	-84.62	-335.55	905.00	891.86	13.14	68.880		
2,100.00	1,965.50	1,792.29	1,778.92	13.48	6.95	-176.81	-87.78	-343.31	976.78	963.21	13.57	71.998		
2,200.00	2,047.03	1,835.46	1,821.15	14.65	7.16	-176.99	-91.28	-351.56	1,050.28	1,036.31	13.97	75.183		
2,300.00	2,128.56	1,888.83	1,873.10	15.84	7.43	-177.20	-96.17	-362.77	1,125.19	1,110.73	14.45	77.853		
2,400.00	2,210.09	1,955.31	1,937.77	17.03	7.77	-177.45	-102.51	-376.80	1,200.30	1,185.25	15.05	79.772		
2,500.00	2,291.61	2,028.76	2,009.27	18.23	8.15	-177.72	-109.67	-392.00	1,275.20	1,259.50	15.70	81.215		
2,600.00	2,373.14	2,091.02	2,069.91	19.44	8.48	-177.92	-115.78	-404.70	1,349.95	1,333.68	16.27	82.985		
2,700.00	2,454.67	2,149.31	2,126.62	20.64	8.78	-178.07	-121.30	-417.01	1,425.08	1,408.27	16.80	84.814		
2,800.00	2,536.20	2,217.29	2,192.73	21.86	9.14	-178.22	-127.55	-431.56	1,500.32	1,482.90	17.42	86.121		
2,900.00	2,617.72	2,265.64	2,239.73	23.07	9.40	-178.31	-131.99	-442.01	1,575.76	1,557.88	17.88	88.145		
3,000.00	2,699.25	2,303.47	2,276.35	24.29	9.61	-178.38	-135.80	-450.71	1,652.23	1,633.99	18.24	90.574		
3,100.00	2,780.78	2,343.12	2,314.56	25.50	9.82	-178.47	-140.15	-460.37	1,729.73	1,711.11	18.62	92.892		
3,200.00	2,862.31	2,402.96	2,372.11	26.73	10.17	-178.60	-147.07	-475.22	1,807.66	1,788.48	19.18	94.241		
3,300.00	2,943.83	2,464.16	2,430.94	27.95	10.52	-178.73	-154.39	-490.41	1,885.68	1,865.92	19.76	95.450		
3,400.00	3,025.36	2,527.09	2,491.43	29.17	10.89	-178.86	-161.95	-506.02	1,963.71	1,943.36	20.35	96.509		
3,500.00	3,106.89	2,635.75	2,596.22	30.40	11.51	-179.06	-174.74	-531.79	2,041.03	2,019.68	21.34	95.623		
3,600.00	3,188.42	2,734.34	2,691.77	31.62	12.05	-179.24	-185.93	-553.32	2,117.07	2,094.83	22.25	95.168		
3,700.00	3,269.94	2,824.03	2,778.98	32.85	12.53	-179.38	-195.78	-571.83	2,192.29	2,169.22	23.07	95.039		
3,800.00	3,351.47	2,924.65	2,877.15	34.07	13.06	-179.53	-206.40	-591.15	2,266.43	2,242.45	23.98	94.521		
3,900.00	3,433.00	2,983.67	2,934.79	35.30	13.36	-179.60	-212.21	-602.39	2,340.36	2,315.82	24.54	95.371		
4,000.00	3,514.53	3,064.17	3,013.43	36.53	13.77	-179.67	-219.55	-617.98	2,414.33	2,389.05	25.28	95.501		
4,100.00	3,596.05	3,124.16	3,072.10	37.76	14.08	-179.71	-224.78	-629.34	2,487.95	2,462.10	25.85	96.239		
4,200.00	3,677.58	3,163.57	3,110.57	38.99	14.29	-179.73	-228.26	-637.20	2,562.21	2,535.96	26.25	97.610		
4,300.00	3,759.11	3,194.99	3,141.16	40.22	14.45	-179.75	-231.08	-643.76	2,637.20	2,610.62	26.58	99.230		
4,400.00	3,840.64	3,244.11	3,188.88	41.45	14.72	-179.77	-235.62	-654.47	2,712.78	2,685.73	27.06	100.262		
4,500.00	3,922.16	3,289.99	3,233.35	42.68	14.98	-179.79	-240.08	-664.88	2,788.98	2,761.47	27.51	101.386		
4,600.00	4,003.69	3,407.68	3,347.67	43.91	15.62	-179.86	-251.54	-690.33	2,864.38	2,835.79	28.59	100.201		
4,700.00	4,085.22	3,447.21	3,386.08	45.15	15.83	-179.89	-255.69	-698.68	2,939.81	2,910.83	28.99	101.420		
4,800.00	4,166.75	9,709.98	6,973.70	46.38	76.50	153.22	-277.22	2,031.40	2,987.14	2,931.71	55.44	53.883		
4,900.00	4,248.27	9,736.43	6,973.63	47.61	77.17	152.75	-277.72	2,057.84	2,918.26	2,860.73	57.52	50.731		
5,000.00	4,329.80	9,761.00	6,973.86	48.84	77.80	152.30	-278.16	2,082.41	2,850.75	2,791.06	59.69	47.758		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 215-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,411.33	9,804.98	6,974.96	50.08	78.92	151.50	-278.94	2,126.37	2,784.85	2,722.59	62.25	44.735		
5,200.00	4,492.86	9,825.72	6,975.69	51.31	79.45	151.12	-279.27	2,147.09	2,720.17	2,655.58	64.59	42.112		
5,300.00	4,574.38	9,896.82	6,978.10	52.54	81.28	149.79	-279.99	2,218.15	2,656.55	2,588.71	67.84	39.157		
5,400.00	4,655.91	9,974.78	6,980.43	53.78	83.28	148.29	-280.23	2,296.07	2,593.59	2,522.21	71.38	36.334		
5,500.00	4,737.44	10,063.78	6,981.86	55.01	85.57	146.49	-280.88	2,385.05	2,531.20	2,455.85	75.34	33.596		
5,600.00	4,818.97	10,120.20	6,981.67	56.24	87.03	145.29	-282.26	2,441.45	2,469.53	2,390.52	79.01	31.255		
5,700.00	4,900.49	10,162.77	6,981.79	57.48	88.13	144.37	-283.15	2,484.02	2,409.45	2,326.84	82.60	29.169		
5,800.00	4,982.02	10,218.15	6,982.29	58.71	89.57	143.15	-284.11	2,539.38	2,351.02	2,264.40	86.62	27.141		
5,900.00	5,063.55	10,285.34	6,982.08	59.95	91.31	141.62	-285.99	2,606.55	2,293.94	2,202.79	91.14	25.169		
6,000.00	5,145.08	10,341.14	6,981.61	61.18	92.76	140.31	-287.68	2,662.32	2,238.42	2,142.76	95.66	23.400		
6,100.00	5,226.60	10,410.70	6,981.10	62.42	94.57	138.65	-289.30	2,731.86	2,184.64	2,083.95	100.69	21.696		
6,200.00	5,308.13	10,488.30	6,979.40	63.65	96.60	136.74	-291.01	2,809.42	2,132.17	2,025.98	106.19	20.079		
6,300.00	5,389.66	10,538.68	6,978.03	64.89	97.91	135.47	-292.12	2,859.77	2,081.70	1,970.44	111.26	18.710		
6,400.00	5,471.19	10,601.33	6,976.37	66.12	99.55	133.86	-293.34	2,922.38	2,033.56	1,916.71	116.85	17.403		
6,500.00	5,552.72	10,658.84	6,974.94	67.36	101.05	132.37	-293.51	2,979.88	1,987.35	1,864.88	122.46	16.228		
6,600.00	5,634.24	10,710.62	6,973.94	68.59	102.41	131.01	-293.35	3,031.65	1,943.77	1,815.70	128.08	15.177		
6,700.00	5,715.77	10,759.98	6,973.57	69.83	103.70	129.71	-293.26	3,081.00	1,903.45	1,769.71	133.75	14.232		
6,800.00	5,797.30	10,782.40	6,973.66	71.06	104.29	129.11	-293.29	3,103.43	1,866.47	1,727.75	138.72	13.455		
6,900.00	5,878.83	10,814.16	6,974.20	72.30	105.12	128.27	-293.43	3,135.18	1,833.31	1,689.36	143.95	12.736		
7,000.00	5,960.35	10,854.98	6,975.64	73.53	106.20	127.19	-293.82	3,175.97	1,804.09	1,654.67	149.43	12.074		
7,100.00	6,041.88	10,893.95	6,977.32	74.77	107.22	126.15	-294.41	3,214.90	1,778.73	1,623.94	154.79	11.491		
7,200.00	6,123.41	10,943.39	6,979.23	76.01	108.53	124.82	-295.51	3,264.29	1,757.11	1,596.67	160.44	10.952		
7,300.00	6,204.94	11,012.34	6,981.61	77.24	110.34	122.94	-297.14	3,333.18	1,739.10	1,572.39	166.70	10.432		
7,400.00	6,286.46	11,077.95	6,983.67	78.48	112.08	121.13	-298.24	3,398.75	1,724.39	1,551.67	172.71	9.984		
7,500.00	6,367.99	11,135.51	6,984.75	79.71	113.60	119.53	-299.36	3,456.29	1,713.43	1,535.17	178.25	9.612		
7,600.00	6,449.52	11,196.53	6,985.55	80.95	115.21	117.82	-300.54	3,517.29	1,706.37	1,522.68	183.69	9.289		
7,700.00	6,531.05	11,255.60	6,986.63	82.19	116.77	116.17	-301.36	3,576.35	1,703.16	1,514.42	188.74	9.024		
7,728.53	6,554.31	11,270.28	6,986.80	82.54	117.16	115.75	-301.59	3,591.02	1,702.98	1,512.95	190.03	8.961		
7,800.00	6,612.57	11,306.05	6,986.95	83.42	118.11	114.74	-302.25	3,626.79	1,704.07	1,510.95	193.12	8.824		
7,900.00	6,694.10	11,359.64	6,986.48	84.66	119.52	113.22	-303.49	3,680.36	1,709.26	1,512.00	197.26	8.665		
8,000.00	6,775.63	11,418.86	6,985.68	85.89	121.09	111.53	-304.74	3,739.56	1,718.48	1,517.25	201.23	8.540		
8,100.00	6,857.16	11,478.58	6,984.51	87.13	122.67	109.83	-305.79	3,799.25	1,731.62	1,526.83	204.79	8.455		
8,200.00	6,938.68	11,536.29	6,982.80	88.37	124.20	108.19	-306.62	3,856.93	1,748.64	1,540.79	207.85	8.413		
8,300.00	7,020.21	11,594.50	6,981.77	89.60	125.75	106.55	-307.27	3,915.13	1,769.47	1,558.98	210.49	8.406		
8,310.57	7,028.83	11,600.89	6,981.73	89.73	125.92	106.37	-307.33	3,921.53	1,771.88	1,561.12	210.76	8.407		
8,350.00	7,060.23	11,625.62	6,981.72	90.25	126.57	102.72	-307.54	3,946.25	1,781.02	1,569.26	211.76	8.411		
8,400.00	7,097.77	11,657.60	6,981.68	90.98	127.42	98.67	-307.79	3,978.23	1,792.68	1,579.65	213.03	8.415		
8,450.00	7,132.48	11,692.53	6,981.45	91.79	128.35	95.11	-308.04	4,013.15	1,804.19	1,589.78	214.41	8.415		
8,500.00	7,164.10	11,733.09	6,980.97	92.67	129.43	91.90	-308.30	4,053.71	1,815.28	1,599.26	216.02	8.403		
8,550.00	7,192.40	11,780.70	6,980.30	93.63	130.69	89.02	-308.43	4,101.32	1,825.59	1,607.64	217.95	8.376		
8,600.00	7,217.15	11,827.72	6,979.58	94.64	131.94	86.59	-308.38	4,148.34	1,834.83	1,614.95	219.88	8.345		
8,650.00	7,238.16	11,872.44	6,978.87	95.70	133.13	84.61	-308.29	4,193.05	1,842.93	1,621.16	221.77	8.310 SF		
8,700.00	7,255.29	11,885.00	6,978.68	96.80	133.46	83.33	-308.27	4,205.61	1,850.04	1,627.66	222.38	8.319		
8,750.00	7,268.39	11,885.00	6,978.68	97.92	133.46	82.35	-308.27	4,205.61	1,856.86	1,634.45	222.41	8.349		
8,800.00	7,277.37	11,885.00	6,978.68	99.06	133.46	81.52	-308.27	4,205.61	1,863.40	1,641.03	222.37	8.380		
8,850.00	7,282.15	11,885.00	6,978.68	100.20	133.46	80.83	-308.27	4,205.61	1,869.60	1,647.35	222.25	8.412		
8,881.61	7,283.00	11,885.00	6,978.68	100.91	133.46	80.46	-308.27	4,205.61	1,873.33	1,651.20	222.14	8.433		
8,900.00	7,283.00	11,885.00	6,978.68	101.33	133.46	80.46	-308.27	4,205.61	1,875.55	1,653.50	222.05	8.446		
9,000.00	7,283.00	11,885.00	6,978.68	103.59	133.46	80.46	-308.27	4,205.61	1,890.68	1,669.40	221.27	8.545		
9,100.00	7,283.00	11,885.00	6,978.68	105.87	133.46	80.46	-308.27	4,205.61	1,910.92	1,690.94	219.98	8.687		
9,200.00	7,283.00	11,885.00	6,978.68	108.18	133.46	80.46	-308.27	4,205.61	1,936.13	1,717.92	218.21	8.873		
9,300.00	7,283.00	11,885.00	6,978.68	110.50	133.46	80.46	-308.27	4,205.61	1,966.10	1,750.08	216.02	9.101		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T4N-R68W - JESSER 3E-10-11N - ORIGINAL WELLBORE - WB #1 - PATT 901													Offset Site Error:	0.00 usft
Survey Program: 215-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,400.00	7,283.00	11,885.00	6,978.68	112.84	133.46	80.46	-308.27	4,205.61	2,000.63	1,787.17	213.47	9.372		
9,500.00	7,283.00	11,885.00	6,978.68	115.19	133.46	80.46	-308.27	4,205.61	2,039.49	1,828.88	210.61	9.684		
9,600.00	7,283.00	11,885.00	6,978.68	117.56	133.46	80.46	-308.27	4,205.61	2,082.42	1,874.92	207.50	10.036		
9,700.00	7,283.00	11,885.00	6,978.68	119.95	133.46	80.46	-308.27	4,205.61	2,129.19	1,925.00	204.19	10.427		
9,800.00	7,283.00	11,885.00	6,978.68	122.34	133.46	80.46	-308.27	4,205.61	2,179.54	1,978.80	200.75	10.857		
9,900.00	7,283.00	11,885.00	6,978.68	124.76	133.46	80.46	-308.27	4,205.61	2,233.24	2,036.04	197.21	11.324		
10,000.00	7,283.00	11,885.00	6,978.68	127.18	133.46	80.46	-308.27	4,205.61	2,290.05	2,096.44	193.61	11.828		
10,100.00	7,283.00	11,885.00	6,978.68	129.61	133.46	80.46	-308.27	4,205.61	2,349.75	2,159.75	190.00	12.367		
10,200.00	7,283.00	11,885.00	6,978.68	132.06	133.46	80.46	-308.27	4,205.61	2,412.11	2,225.72	186.39	12.941		
10,300.00	7,283.00	11,885.00	6,978.68	134.52	133.46	80.46	-308.27	4,205.61	2,476.95	2,294.12	182.83	13.548		
10,400.00	7,283.00	11,885.00	6,978.68	136.98	133.46	80.46	-308.27	4,205.61	2,544.06	2,364.74	179.32	14.188		
10,500.00	7,283.00	11,885.00	6,978.68	139.46	133.46	80.46	-308.27	4,205.61	2,613.27	2,437.40	175.88	14.859		
10,600.00	7,283.00	11,885.00	6,978.68	141.94	133.46	80.46	-308.27	4,205.61	2,684.43	2,511.91	172.52	15.560		
10,700.00	7,283.00	11,885.00	6,978.68	144.44	133.46	80.46	-308.27	4,205.61	2,757.38	2,588.12	169.26	16.291		
10,800.00	7,283.00	11,885.00	6,978.68	146.94	133.46	80.46	-308.27	4,205.61	2,831.98	2,665.88	166.09	17.050		
10,900.00	7,283.00	11,885.00	6,978.68	149.45	133.46	80.46	-308.27	4,205.61	2,908.11	2,745.07	163.04	17.837		
11,000.00	7,283.00	11,885.00	6,978.68	151.96	133.46	80.46	-308.27	4,205.61	2,985.64	2,825.56	160.08	18.651		
11,100.00	7,283.00	11,885.00	6,978.68	154.49	133.46	80.46	-308.27	4,205.61	3,064.48	2,907.24	157.24	19.490		
11,200.00	7,283.00	11,885.00	6,978.68	157.01	133.46	80.46	-308.27	4,205.61	3,144.52	2,990.02	154.50	20.353		
11,300.00	7,283.00	11,885.00	6,978.68	159.55	133.46	80.46	-308.27	4,205.61	3,225.67	3,073.81	151.86	21.241		
11,400.00	7,283.00	11,885.00	6,978.68	162.09	133.46	80.46	-308.27	4,205.61	3,307.86	3,158.52	149.33	22.151		
11,500.00	7,283.00	11,885.00	6,978.68	164.64	133.46	80.46	-308.27	4,205.61	3,391.00	3,244.10	146.91	23.083		
11,600.00	7,283.00	11,885.00	6,978.68	167.19	133.46	80.46	-308.27	4,205.61	3,475.03	3,330.46	144.58	24.036		
11,700.00	7,283.00	11,885.00	6,978.68	169.75	133.46	80.46	-308.27	4,205.61	3,559.89	3,417.55	142.34	25.010		
11,800.00	7,283.00	11,885.00	6,978.68	172.31	133.46	80.46	-308.27	4,205.61	3,645.52	3,505.32	140.20	26.003		
11,900.00	7,283.00	11,885.00	6,978.68	174.88	133.46	80.46	-308.27	4,205.61	3,731.86	3,593.72	138.14	27.014		
12,000.00	7,283.00	11,885.00	6,978.68	177.45	133.46	80.46	-308.27	4,205.61	3,818.87	3,682.69	136.17	28.044		
12,100.00	7,283.00	11,885.00	6,978.68	180.03	133.46	80.46	-308.27	4,205.61	3,906.50	3,772.21	134.29	29.090		
12,200.00	7,283.00	11,885.00	6,978.68	182.61	133.46	80.46	-308.27	4,205.61	3,994.71	3,862.23	132.48	30.154		
12,300.00	7,283.00	11,885.00	6,978.68	185.19	133.46	80.46	-308.27	4,205.61	4,083.46	3,952.72	130.75	31.232		
12,400.00	7,283.00	11,885.00	6,978.68	187.78	133.46	80.46	-308.27	4,205.61	4,172.72	4,043.64	129.08	32.326		
12,500.00	7,283.00	11,885.00	6,978.68	190.37	133.46	80.46	-308.27	4,205.61	4,262.46	4,134.97	127.49	33.434		
12,600.00	7,283.00	11,885.00	6,978.68	192.97	133.46	80.46	-308.27	4,205.61	4,352.65	4,226.69	125.96	34.556		
12,700.00	7,283.00	11,885.00	6,978.68	195.57	133.46	80.46	-308.27	4,205.61	4,443.26	4,318.76	124.49	35.691		
12,800.00	7,283.00	11,885.00	6,978.68	198.17	133.46	80.46	-308.27	4,205.61	4,534.26	4,411.17	123.09	36.838		
12,900.00	7,283.00	11,885.00	6,978.68	200.77	133.46	80.46	-308.27	4,205.61	4,625.63	4,503.89	121.74	37.997		
13,000.00	7,283.00	11,885.00	6,978.68	203.38	133.46	80.46	-308.27	4,205.61	4,717.36	4,596.91	120.44	39.167		
13,100.00	7,283.00	11,885.00	6,978.68	205.99	133.46	80.46	-308.27	4,205.61	4,809.41	4,690.21	119.20	40.348		
13,200.00	7,283.00	11,885.00	6,978.68	208.61	133.46	80.46	-308.27	4,205.61	4,901.77	4,783.77	118.00	41.539		
13,300.00	7,283.00	11,885.00	6,978.68	211.22	133.46	80.46	-308.27	4,205.61	4,994.43	4,877.58	116.86	42.740		
13,400.00	7,283.00	11,885.00	6,978.68	213.84	133.46	80.46	-308.27	4,205.61	5,087.37	4,971.62	115.75	43.950		
13,500.00	7,283.00	11,885.00	6,978.68	216.47	133.46	80.46	-308.27	4,205.61	5,180.57	5,065.88	114.69	45.169		
13,600.00	7,283.00	11,885.00	6,978.68	219.09	133.46	80.46	-308.27	4,205.61	5,274.02	5,160.34	113.67	46.396		
13,700.00	7,283.00	11,885.00	6,978.68	221.72	133.46	80.46	-308.27	4,205.61	5,367.70	5,255.01	112.69	47.631		
13,800.00	7,283.00	11,885.00	6,978.68	224.34	133.46	80.46	-308.27	4,205.61	5,461.61	5,349.86	111.75	48.873		
13,900.00	7,283.00	11,885.00	6,978.68	226.97	133.46	80.46	-308.27	4,205.61	5,555.73	5,444.89	110.84	50.122		
14,000.00	7,283.00	11,885.00	6,978.68	229.61	133.46	80.46	-308.27	4,205.61	5,650.06	5,540.09	109.97	51.378		
14,100.00	7,283.00	11,885.00	6,978.68	232.24	133.46	80.46	-308.27	4,205.61	5,744.57	5,635.44	109.13	52.640		
14,200.00	7,283.00	11,885.00	6,978.68	234.88	133.46	80.46	-308.27	4,205.61	5,839.27	5,730.95	108.32	53.907		
14,300.00	7,283.00	11,885.00	6,978.68	237.52	133.46	80.46	-308.27	4,205.61	5,934.14	5,826.60	107.54	55.180		
14,400.00	7,283.00	11,885.00	6,978.68	240.16	133.46	80.46	-308.27	4,205.61	6,029.18	5,922.39	106.79	56.458		
14,500.00	7,283.00	11,885.00	6,978.68	242.80	133.46	80.46	-308.27	4,205.61	6,124.38	6,018.31	106.07	57.741		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T4N-R68W - JESSER 3E-10-11N - ORIGINAL WELLBORE - WB #1 - PATT 901													Offset Site Error:	0.00 usft
Survey Program: 215-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,600.00	7,283.00	11,885.00	6,978.68	245.44	133.46	80.46	-308.27	4,205.61	6,219.72	6,114.35	105.37	59.028		
14,700.00	7,283.00	11,885.00	6,978.68	248.09	133.46	80.46	-308.27	4,205.61	6,315.21	6,210.52	104.70	60.319		
14,800.00	7,283.00	11,885.00	6,978.68	250.74	133.46	80.46	-308.27	4,205.61	6,410.84	6,306.79	104.05	61.614		
14,900.00	7,283.00	11,885.00	6,978.68	253.38	133.46	80.46	-308.27	4,205.61	6,506.60	6,403.18	103.42	62.912		
15,000.00	7,283.00	11,885.00	6,978.68	256.03	133.46	80.46	-308.27	4,205.61	6,602.49	6,499.67	102.82	64.214		
15,100.00	7,283.00	11,885.00	6,978.68	258.69	133.46	80.46	-308.27	4,205.61	6,698.49	6,596.25	102.24	65.519		
15,200.00	7,283.00	11,885.00	6,978.68	261.34	133.46	80.46	-308.27	4,205.61	6,794.61	6,692.94	101.68	66.826		
15,300.00	7,283.00	11,885.00	6,978.68	263.99	133.46	80.46	-308.27	4,205.61	6,890.84	6,789.71	101.13	68.136		
15,400.00	7,283.00	11,885.00	6,978.68	266.65	133.46	80.46	-308.27	4,205.61	6,987.18	6,886.57	100.61	69.448		
15,500.00	7,283.00	11,885.00	6,978.68	269.31	133.46	80.46	-308.27	4,205.61	7,083.62	6,983.52	100.11	70.762		
15,600.00	7,283.00	11,885.00	6,978.68	271.96	133.46	80.46	-308.27	4,205.61	7,180.16	7,080.54	99.62	72.078		
15,700.00	7,283.00	11,885.00	6,978.68	274.62	133.46	80.46	-308.27	4,205.61	7,276.79	7,177.64	99.15	73.395		
15,800.00	7,283.00	11,885.00	6,978.68	277.28	133.46	80.46	-308.27	4,205.61	7,373.51	7,274.82	98.69	74.713		
15,900.00	7,283.00	11,885.00	6,978.68	279.94	133.46	80.46	-308.27	4,205.61	7,470.31	7,372.06	98.25	76.033		
16,000.00	7,283.00	11,885.00	6,978.68	282.61	133.46	80.46	-308.27	4,205.61	7,567.20	7,469.38	97.83	77.354		
16,100.00	7,283.00	11,885.00	6,978.68	285.27	133.46	80.46	-308.27	4,205.61	7,664.17	7,566.75	97.42	78.675		
16,200.00	7,283.00	11,885.00	6,978.68	287.94	133.46	80.46	-308.27	4,205.61	7,761.22	7,664.20	97.02	79.997		
16,300.00	7,283.00	11,885.00	6,978.68	290.60	133.46	80.46	-308.27	4,205.61	7,858.34	7,761.70	96.64	81.320		
16,400.00	7,283.00	11,885.00	6,978.68	293.27	133.46	80.46	-308.27	4,205.61	7,955.53	7,859.26	96.26	82.642		
16,500.00	7,283.00	11,885.00	6,978.68	295.94	133.46	80.46	-308.27	4,205.61	8,052.79	7,956.88	95.91	83.965		
16,600.00	7,283.00	11,885.00	6,978.68	298.60	133.46	80.46	-308.27	4,205.61	8,150.11	8,054.55	95.56	85.288		
16,700.00	7,283.00	11,885.00	6,978.68	301.27	133.46	80.46	-308.27	4,205.61	8,247.50	8,152.28	95.23	86.610		
16,800.00	7,283.00	11,885.00	6,978.68	303.94	133.46	80.46	-308.27	4,205.61	8,344.96	8,250.05	94.90	87.933		
16,900.00	7,283.00	11,885.00	6,978.68	306.62	133.46	80.46	-308.27	4,205.61	8,442.47	8,347.88	94.59	89.254		
17,000.00	7,283.00	11,885.00	6,978.68	309.29	133.46	80.46	-308.27	4,205.61	8,540.04	8,445.75	94.29	90.576		
17,100.00	7,283.00	11,885.00	6,978.68	311.96	133.46	80.46	-308.27	4,205.61	8,637.66	8,543.67	93.99	91.896		
17,200.00	7,283.00	11,885.00	6,978.68	314.63	133.46	80.46	-308.27	4,205.61	8,735.34	8,641.63	93.71	93.215		
17,300.00	7,283.00	11,885.00	6,978.68	317.31	133.46	80.46	-308.27	4,205.61	8,833.07	8,739.63	93.44	94.534		
17,400.00	7,283.00	11,885.00	6,978.68	319.98	133.46	80.46	-308.27	4,205.61	8,930.85	8,837.68	93.17	95.852		
17,500.00	7,283.00	11,885.00	6,978.68	322.66	133.46	80.46	-308.27	4,205.61	9,028.68	8,935.76	92.92	97.168		
17,600.00	7,283.00	11,885.00	6,978.68	325.34	133.46	80.46	-308.27	4,205.61	9,126.56	9,033.89	92.67	98.483		
17,700.00	7,283.00	11,885.00	6,978.68	328.01	133.46	80.46	-308.27	4,205.61	9,224.48	9,132.05	92.43	99.797		
17,800.00	7,283.00	11,885.00	6,978.68	330.69	133.46	80.46	-308.27	4,205.61	9,322.45	9,230.24	92.20	101.109		
17,900.00	7,283.00	11,885.00	6,978.68	333.37	133.46	80.46	-308.27	4,205.61	9,420.45	9,328.48	91.98	102.420		
18,000.00	7,283.00	11,885.00	6,978.68	336.05	133.46	80.46	-308.27	4,205.61	9,518.50	9,426.74	91.76	103.728		
18,100.00	7,283.00	11,885.00	6,978.68	338.73	133.46	80.46	-308.27	4,205.61	9,616.59	9,525.04	91.56	105.036		
18,200.00	7,283.00	11,885.00	6,978.68	341.41	133.46	80.46	-308.27	4,205.61	9,714.72	9,623.37	91.35	106.341		
18,300.00	7,283.00	11,885.00	6,978.68	344.09	133.46	80.46	-308.27	4,205.61	9,812.89	9,721.73	91.16	107.645		
18,400.00	7,283.00	11,885.00	6,978.68	346.77	133.46	80.46	-308.27	4,205.61	9,911.10	9,820.12	90.97	108.946		
18,500.00	7,283.00	11,885.00	6,978.68	349.46	133.46	80.46	-308.27	4,205.61	10,009.33	9,918.54	90.79	110.246		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 215-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	2.99	2.99	0.00	0.00	-91.19	-2.91	-139.65	139.68				
100.00	100.00	102.75	102.75	0.27	0.16	-91.09	-2.66	-139.75	139.78	139.35	0.43	326.398	
200.00	200.00	202.50	202.50	0.63	0.31	-90.80	-1.95	-140.03	140.04	139.10	0.94	148.762 ES	
300.00	299.98	302.64	302.63	0.98	0.65	-160.26	-1.02	-140.36	142.01	140.38	1.63	87.131	
400.00	399.84	402.25	402.24	1.34	1.00	-160.55	-0.11	-140.67	147.24	144.89	2.35	62.767	
500.00	499.45	498.58	498.55	1.71	1.35	-161.28	0.51	-142.09	156.93	153.87	3.05	51.368	
600.00	598.70	594.57	594.47	2.10	1.68	-162.84	-0.72	-145.21	171.82	168.06	3.76	45.713	
700.00	697.47	688.00	687.69	2.51	2.01	-165.30	-5.12	-149.88	192.18	187.72	4.45	43.145	
800.00	795.62	779.00	778.14	2.95	2.35	-168.17	-12.44	-156.52	218.87	213.72	5.14	42.547	
900.00	893.06	862.36	860.57	3.43	2.67	-170.81	-21.39	-165.03	252.56	246.76	5.80	43.512	
1,000.00	989.64	950.04	946.90	3.95	3.03	-173.23	-32.08	-176.03	292.45	285.97	6.48	45.109	
1,100.00	1,085.27	1,040.86	1,036.29	4.52	3.42	-175.21	-43.08	-187.75	336.20	329.02	7.19	46.789	
1,200.00	1,179.82	1,133.36	1,127.42	5.14	3.83	-176.90	-54.44	-198.78	382.53	374.63	7.90	48.400	
1,300.00	1,273.17	1,218.14	1,210.99	5.81	4.20	-178.24	-65.20	-208.17	431.55	422.97	8.59	50.265	
1,400.00	1,365.21	1,297.60	1,289.17	6.54	4.55	-179.31	-75.69	-217.67	484.59	475.35	9.24	52.446	
1,500.00	1,455.84	1,377.44	1,367.69	7.33	4.92	179.91	-85.56	-228.28	541.45	531.55	9.90	54.681	
1,600.00	1,544.94	1,460.15	1,449.06	8.19	5.30	179.24	-95.63	-239.10	600.99	590.40	10.59	56.747	
1,700.00	1,632.39	1,537.89	1,525.55	9.12	5.65	178.66	-105.34	-249.07	663.24	651.99	11.25	58.940	
1,800.00	1,718.11	1,620.10	1,606.47	10.11	6.03	178.10	-115.73	-259.20	727.90	715.95	11.96	60.884	
1,900.00	1,801.97	1,696.95	1,682.20	11.18	6.38	177.63	-125.31	-268.10	794.65	782.02	12.63	62.933	
1,969.27	1,858.92	1,745.00	1,729.55	11.96	6.60	177.37	-131.26	-273.74	842.44	829.38	13.06	64.505	
2,000.00	1,883.98	1,762.00	1,746.29	12.31	6.68	177.30	-133.36	-275.77	863.97	850.75	13.22	65.351	
2,100.00	1,965.50	1,811.76	1,795.22	13.48	6.91	177.14	-139.51	-282.46	935.03	921.35	13.68	68.333	
2,200.00	2,047.03	1,857.00	1,839.50	14.65	7.13	177.05	-145.12	-289.80	1,007.87	993.76	14.11	71.448	
2,300.00	2,128.56	1,921.48	1,902.45	15.84	7.45	176.95	-153.31	-301.11	1,081.63	1,066.94	14.69	73.640	
2,400.00	2,210.09	1,998.72	1,977.85	17.03	7.84	176.81	-163.54	-314.39	1,155.34	1,139.96	15.38	75.115	
2,500.00	2,291.61	2,073.94	2,051.43	18.23	8.21	176.65	-173.70	-326.22	1,228.15	1,212.09	16.06	76.466	
2,600.00	2,373.14	2,130.27	2,106.50	19.44	8.49	176.57	-181.09	-335.48	1,301.33	1,284.74	16.59	78.454	
2,700.00	2,454.67	2,199.00	2,173.64	20.64	8.84	176.51	-189.77	-347.33	1,374.89	1,357.67	17.22	79.852	
2,800.00	2,536.20	2,273.45	2,246.44	21.86	9.21	176.45	-199.00	-359.94	1,448.19	1,430.29	17.90	80.909	
2,900.00	2,617.72	2,349.19	2,320.55	23.07	9.58	176.39	-208.44	-372.35	1,521.15	1,502.56	18.59	81.811	
3,000.00	2,699.25	2,423.12	2,392.95	24.29	9.95	176.32	-217.77	-384.08	1,593.84	1,574.56	19.28	82.686	
3,100.00	2,780.78	2,489.70	2,458.15	25.50	10.28	176.26	-226.29	-394.51	1,666.44	1,646.54	19.90	83.746	
3,200.00	2,862.31	2,570.43	2,537.21	26.73	10.68	176.18	-236.73	-407.07	1,739.03	1,718.39	20.64	84.242	
3,300.00	2,943.83	2,644.05	2,609.45	27.95	11.04	176.12	-246.09	-417.77	1,810.87	1,789.53	21.33	84.897	
3,400.00	3,025.36	2,689.19	2,653.66	29.17	11.27	176.07	-252.11	-424.63	1,883.33	1,861.55	21.78	86.481	
3,500.00	3,106.89	2,750.40	2,713.45	30.40	11.57	176.00	-260.68	-434.51	1,956.55	1,934.19	22.36	87.492	
3,600.00	3,188.42	2,813.00	2,774.67	31.62	11.89	175.94	-269.26	-444.34	2,029.47	2,006.51	22.96	88.386	
3,700.00	3,269.94	2,870.23	2,830.59	32.85	12.18	175.88	-277.41	-453.44	2,102.69	2,079.17	23.52	89.413	
3,800.00	3,351.47	2,921.90	2,880.88	34.07	12.45	175.81	-285.46	-462.11	2,176.76	2,152.73	24.02	90.608	
3,900.00	3,433.00	3,051.65	3,007.55	35.30	13.12	175.66	-304.90	-482.42	2,249.96	2,224.74	25.22	89.212	
4,000.00	3,514.53	3,129.79	3,084.14	36.53	13.51	175.58	-315.71	-493.45	2,321.85	2,295.89	25.96	89.439	
4,100.00	3,596.05	3,178.23	3,131.59	37.76	13.75	175.55	-322.38	-500.61	2,394.17	2,367.73	26.44	90.539	
4,200.00	3,677.58	3,289.54	3,240.67	38.99	14.30	175.49	-337.12	-517.16	2,466.52	2,439.05	27.47	89.799	
4,300.00	3,759.11	3,337.59	3,287.83	40.22	14.53	175.47	-343.19	-524.06	2,538.25	2,510.30	27.95	90.820	
4,400.00	3,840.64	3,386.00	3,335.26	41.45	14.77	175.45	-349.56	-531.37	2,610.58	2,582.15	28.43	91.821	
4,500.00	3,922.16	3,440.07	3,388.16	42.68	15.05	175.42	-356.87	-539.83	2,683.38	2,654.41	28.96	92.643	
4,600.00	4,003.69	3,513.78	3,460.21	43.91	15.42	175.39	-367.01	-551.57	2,756.45	2,726.77	29.67	92.902	
4,700.00	4,085.22	3,577.00	3,522.14	45.15	15.74	175.37	-375.30	-561.24	2,828.95	2,798.67	30.28	93.413	
4,800.00	4,166.75	3,618.05	3,562.30	46.38	15.95	175.35	-380.83	-567.71	2,901.98	2,871.27	30.71	94.511	
4,900.00	4,248.27	3,672.00	3,614.76	47.61	16.23	175.32	-388.99	-577.26	2,976.38	2,945.14	31.24	95.272	
5,000.00	4,329.80	3,672.00	3,614.76	48.84	16.23	175.32	-388.99	-577.26	3,051.04	3,019.75	31.29	97.514	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T4N-R68W - JESSER 3E-10-12N - ORIGINAL WELLBORE - WB #1 - PATT 901													Offset Site Error:	0.00 usft
Survey Program: 215-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,411.33	10,092.00	7,132.24	50.08	82.76	143.92	-627.34	2,297.48	3,079.07	3,007.80	71.28	43.200		
5,200.00	4,492.86	10,115.33	7,131.78	51.31	83.36	143.51	-626.87	2,320.80	3,015.57	2,941.68	73.89	40.812		
5,300.00	4,574.38	10,144.67	7,131.43	52.54	84.11	142.99	-626.33	2,350.13	2,953.58	2,876.87	76.71	38.505		
5,400.00	4,655.91	10,187.00	7,131.33	53.78	85.19	142.22	-625.66	2,392.45	2,893.20	2,813.35	79.85	36.232		
5,500.00	4,737.44	10,254.25	7,131.65	55.01	86.91	141.00	-623.84	2,459.68	2,834.11	2,750.58	83.53	33.929		
5,600.00	4,818.97	10,312.53	7,132.01	56.24	88.41	139.94	-621.16	2,517.90	2,775.69	2,688.51	87.19	31.836		
5,700.00	4,900.49	10,351.58	7,132.21	57.48	89.41	139.21	-619.77	2,556.92	2,718.85	2,628.17	90.68	29.981		
5,800.00	4,982.02	10,393.12	7,132.37	58.71	90.48	138.41	-618.79	2,598.45	2,663.74	2,569.36	94.38	28.224		
5,900.00	5,063.55	10,440.88	7,132.58	59.95	91.71	137.48	-617.92	2,646.20	2,610.33	2,511.99	98.34	26.544		
6,000.00	5,145.08	10,473.00	7,132.74	61.18	92.54	136.84	-617.43	2,678.31	2,558.74	2,456.61	102.13	25.054		
6,100.00	5,226.60	10,524.05	7,133.06	62.42	93.87	135.81	-616.99	2,729.36	2,509.10	2,402.65	106.46	23.569		
6,200.00	5,308.13	10,569.00	7,133.43	63.65	95.03	134.89	-617.07	2,774.31	2,461.73	2,350.93	110.80	22.218		
6,300.00	5,389.66	10,598.90	7,133.66	64.89	95.81	134.27	-617.44	2,804.20	2,416.68	2,301.76	114.92	21.028		
6,400.00	5,471.19	10,634.35	7,133.86	66.12	96.73	133.52	-618.33	2,839.65	2,374.19	2,254.90	119.29	19.903		
6,500.00	5,552.72	10,679.29	7,133.99	67.36	97.91	132.55	-620.08	2,884.55	2,334.38	2,210.36	124.01	18.824		
6,600.00	5,634.24	10,787.56	7,134.06	68.59	100.73	130.19	-622.82	2,992.78	2,296.39	2,165.83	130.56	17.589		
6,700.00	5,715.77	10,853.38	7,134.21	69.83	102.45	128.76	-622.59	3,058.59	2,259.65	2,123.62	136.02	16.612		
6,800.00	5,797.30	10,898.79	7,134.36	71.06	103.64	127.76	-622.37	3,104.01	2,225.56	2,084.55	141.01	15.783		
6,900.00	5,878.83	10,928.03	7,134.44	72.30	104.40	127.10	-622.75	3,133.24	2,194.86	2,049.28	145.58	15.077		
7,000.00	5,960.35	11,036.70	7,134.67	73.53	107.25	124.64	-624.26	3,241.90	2,167.42	2,014.90	152.51	14.211		
7,100.00	6,041.88	11,115.23	7,134.57	74.77	109.31	122.85	-623.03	3,320.41	2,141.01	1,982.47	158.54	13.505		
7,200.00	6,123.41	11,142.00	7,134.37	76.01	110.01	122.24	-622.53	3,347.18	2,117.54	1,954.51	163.03	12.988		
7,300.00	6,204.94	11,182.03	7,134.06	77.24	111.06	121.31	-622.23	3,387.21	2,097.61	1,929.78	167.83	12.498		
7,400.00	6,286.46	11,206.53	7,133.89	78.48	111.71	120.74	-622.53	3,411.70	2,081.79	1,909.79	171.99	12.104		
7,500.00	6,367.99	11,237.00	7,133.73	79.71	112.51	120.02	-623.41	3,442.16	2,070.07	1,893.90	176.17	11.751		
7,600.00	6,449.52	11,292.46	7,133.19	80.95	113.97	118.72	-625.38	3,497.59	2,062.12	1,881.06	181.06	11.389		
7,700.00	6,531.05	11,354.21	7,132.13	82.19	115.60	117.25	-627.26	3,559.30	2,057.24	1,871.25	185.99	11.061		
7,789.26	6,603.82	11,399.64	7,132.06	83.29	116.80	116.18	-628.41	3,604.71	2,055.84	1,866.01	189.84	10.829		
7,800.00	6,612.57	11,405.31	7,132.11	83.42	116.95	116.05	-628.54	3,610.37	2,055.86	1,865.57	190.29	10.804		
7,900.00	6,694.10	11,465.97	7,133.24	84.66	118.55	114.64	-629.75	3,671.02	2,057.89	1,863.20	194.69	10.570		
8,000.00	6,775.63	11,531.71	7,134.51	85.89	120.29	113.12	-630.75	3,736.73	2,063.03	1,864.00	199.02	10.366		
8,100.00	6,857.16	11,594.56	7,135.62	87.13	121.96	111.67	-631.46	3,799.57	2,071.26	1,868.27	202.99	10.204		
8,200.00	6,938.68	11,698.29	7,136.47	88.37	124.70	109.27	-631.54	3,903.29	2,082.25	1,874.08	208.18	10.002		
8,300.00	7,020.21	11,769.07	7,135.55	89.60	126.57	107.62	-630.37	3,974.06	2,095.41	1,883.54	211.87	9.890		
8,310.57	7,028.83	11,775.59	7,135.41	89.73	126.74	107.47	-630.25	3,980.58	2,096.98	1,884.77	212.21	9.882		
8,350.00	7,060.23	11,801.00	7,134.78	90.25	127.41	104.22	-629.74	4,005.97	2,102.96	1,889.46	213.50	9.850		
8,400.00	7,097.77	11,832.82	7,133.84	90.98	128.25	100.71	-629.07	4,037.77	2,110.64	1,895.53	215.11	9.812		
8,450.00	7,132.48	11,866.87	7,132.84	91.79	129.16	97.66	-628.35	4,071.80	2,118.25	1,901.45	216.79	9.771		
8,500.00	7,164.10	11,903.99	7,131.75	92.67	130.14	95.00	-627.57	4,108.89	2,125.59	1,907.00	218.59	9.724		
8,550.00	7,192.40	11,943.87	7,130.57	93.63	131.19	92.69	-626.73	4,148.75	2,132.46	1,911.96	220.51	9.671		
8,600.00	7,217.15	11,973.00	7,129.71	94.64	131.96	90.87	-626.11	4,177.86	2,138.71	1,916.66	222.05	9.632 SF		
8,650.00	7,238.16	11,973.00	7,129.71	95.70	131.96	89.67	-626.11	4,177.86	2,144.80	1,922.29	222.52	9.639		
8,700.00	7,255.29	11,973.00	7,129.71	96.80	131.96	88.61	-626.11	4,177.86	2,150.90	1,927.99	222.92	9.649		
8,750.00	7,268.39	11,973.00	7,129.71	97.92	131.96	87.69	-626.11	4,177.86	2,156.96	1,933.72	223.24	9.662		
8,800.00	7,277.37	11,973.00	7,129.71	99.06	131.96	86.89	-626.11	4,177.86	2,162.93	1,939.44	223.49	9.678		
8,850.00	7,282.15	11,973.00	7,129.71	100.20	131.96	86.21	-626.11	4,177.86	2,168.76	1,945.11	223.65	9.697		
8,881.61	7,283.00	11,973.00	7,129.71	100.91	131.96	85.85	-626.11	4,177.86	2,172.36	1,948.65	223.71	9.711		
8,900.00	7,283.00	11,973.00	7,129.71	101.33	131.96	85.85	-626.11	4,177.86	2,174.51	1,950.78	223.73	9.720		
9,000.00	7,283.00	11,973.00	7,129.71	103.59	131.96	85.85	-626.11	4,177.86	2,188.86	1,965.29	223.57	9.790		
9,100.00	7,283.00	11,973.00	7,129.71	105.87	131.96	85.85	-626.11	4,177.86	2,207.65	1,984.63	223.03	9.899		
9,200.00	7,283.00	11,973.00	7,129.71	108.18	131.96	85.85	-626.11	4,177.86	2,230.78	2,008.67	222.11	10.044		
9,300.00	7,283.00	11,973.00	7,129.71	110.50	131.96	85.85	-626.11	4,177.86	2,258.09	2,037.25	220.84	10.225		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 215-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,400.00	7,283.00	11,973.00	7,129.71	112.84	131.96	85.85	-626.11	4,177.86	2,289.46	2,070.19	219.26	10.442		
9,500.00	7,283.00	11,973.00	7,129.71	115.19	131.96	85.85	-626.11	4,177.86	2,324.70	2,107.29	217.41	10.693		
9,600.00	7,283.00	11,973.00	7,129.71	117.56	131.96	85.85	-626.11	4,177.86	2,363.66	2,148.34	215.32	10.978		
9,700.00	7,283.00	11,973.00	7,129.71	119.95	131.96	85.85	-626.11	4,177.86	2,406.14	2,193.12	213.02	11.295		
9,800.00	7,283.00	11,973.00	7,129.71	122.34	131.96	85.85	-626.11	4,177.86	2,451.96	2,241.41	210.55	11.646		
9,900.00	7,283.00	11,973.00	7,129.71	124.76	131.96	85.85	-626.11	4,177.86	2,500.95	2,293.00	207.95	12.027		
10,000.00	7,283.00	11,973.00	7,129.71	127.18	131.96	85.85	-626.11	4,177.86	2,552.91	2,347.68	205.24	12.439		
10,100.00	7,283.00	11,973.00	7,129.71	129.61	131.96	85.85	-626.11	4,177.86	2,607.68	2,405.23	202.45	12.881		
10,200.00	7,283.00	11,973.00	7,129.71	132.06	131.96	85.85	-626.11	4,177.86	2,665.07	2,465.46	199.62	13.351		
10,300.00	7,283.00	11,973.00	7,129.71	134.52	131.96	85.85	-626.11	4,177.86	2,724.93	2,528.18	196.75	13.850		
10,400.00	7,283.00	11,973.00	7,129.71	136.98	131.96	85.85	-626.11	4,177.86	2,787.09	2,593.21	193.88	14.375		
10,500.00	7,283.00	11,973.00	7,129.71	139.46	131.96	85.85	-626.11	4,177.86	2,851.40	2,660.39	191.02	14.928		
10,600.00	7,283.00	11,973.00	7,129.71	141.94	131.96	85.85	-626.11	4,177.86	2,917.72	2,729.55	188.18	15.505		
10,700.00	7,283.00	11,973.00	7,129.71	144.44	131.96	85.85	-626.11	4,177.86	2,985.92	2,800.55	185.37	16.108		
10,800.00	7,283.00	11,973.00	7,129.71	146.94	131.96	85.85	-626.11	4,177.86	3,055.87	2,873.27	182.61	16.735		
10,900.00	7,283.00	11,973.00	7,129.71	149.45	131.96	85.85	-626.11	4,177.86	3,127.46	2,947.56	179.90	17.385		
11,000.00	7,283.00	11,973.00	7,129.71	151.96	131.96	85.85	-626.11	4,177.86	3,200.56	3,023.32	177.25	18.057		
11,100.00	7,283.00	11,973.00	7,129.71	154.49	131.96	85.85	-626.11	4,177.86	3,275.09	3,100.43	174.66	18.751		
11,200.00	7,283.00	11,973.00	7,129.71	157.01	131.96	85.85	-626.11	4,177.86	3,350.95	3,178.81	172.14	19.467		
11,300.00	7,283.00	11,973.00	7,129.71	159.55	131.96	85.85	-626.11	4,177.86	3,428.04	3,258.36	169.69	20.202		
11,400.00	7,283.00	11,973.00	7,129.71	162.09	131.96	85.85	-626.11	4,177.86	3,506.30	3,338.99	167.31	20.957		
11,500.00	7,283.00	11,973.00	7,129.71	164.64	131.96	85.85	-626.11	4,177.86	3,585.63	3,420.63	165.00	21.732		
11,600.00	7,283.00	11,973.00	7,129.71	167.19	131.96	85.85	-626.11	4,177.86	3,665.97	3,503.22	162.76	22.524		
11,700.00	7,283.00	11,973.00	7,129.71	169.75	131.96	85.85	-626.11	4,177.86	3,747.26	3,586.67	160.59	23.334		
11,800.00	7,283.00	11,973.00	7,129.71	172.31	131.96	85.85	-626.11	4,177.86	3,829.44	3,670.94	158.50	24.161		
11,900.00	7,283.00	11,973.00	7,129.71	174.88	131.96	85.85	-626.11	4,177.86	3,912.45	3,755.98	156.47	25.005		
12,000.00	7,283.00	11,973.00	7,129.71	177.45	131.96	85.85	-626.11	4,177.86	3,996.23	3,841.72	154.51	25.864		
12,100.00	7,283.00	11,973.00	7,129.71	180.03	131.96	85.85	-626.11	4,177.86	4,080.75	3,928.13	152.62	26.738		
12,200.00	7,283.00	11,973.00	7,129.71	182.61	131.96	85.85	-626.11	4,177.86	4,165.95	4,015.16	150.79	27.627		
12,300.00	7,283.00	11,973.00	7,129.71	185.19	131.96	85.85	-626.11	4,177.86	4,251.79	4,102.77	149.03	28.531		
12,400.00	7,283.00	11,973.00	7,129.71	187.78	131.96	85.85	-626.11	4,177.86	4,338.24	4,190.92	147.32	29.447		
12,500.00	7,283.00	11,973.00	7,129.71	190.37	131.96	85.85	-626.11	4,177.86	4,425.27	4,279.59	145.68	30.377		
12,600.00	7,283.00	11,973.00	7,129.71	192.97	131.96	85.85	-626.11	4,177.86	4,512.83	4,368.74	144.09	31.319		
12,700.00	7,283.00	11,973.00	7,129.71	195.57	131.96	85.85	-626.11	4,177.86	4,600.90	4,458.33	142.56	32.273		
12,800.00	7,283.00	11,973.00	7,129.71	198.17	131.96	85.85	-626.11	4,177.86	4,689.44	4,548.36	141.08	33.239		
12,900.00	7,283.00	11,973.00	7,129.71	200.77	131.96	85.85	-626.11	4,177.86	4,778.44	4,638.78	139.66	34.216		
13,000.00	7,283.00	11,973.00	7,129.71	203.38	131.96	85.85	-626.11	4,177.86	4,867.87	4,729.59	138.28	35.203		
13,100.00	7,283.00	11,973.00	7,129.71	205.99	131.96	85.85	-626.11	4,177.86	4,957.70	4,820.74	136.95	36.200		
13,200.00	7,283.00	11,973.00	7,129.71	208.61	131.96	85.85	-626.11	4,177.86	5,047.91	4,912.24	135.67	37.208		
13,300.00	7,283.00	11,973.00	7,129.71	211.22	131.96	85.85	-626.11	4,177.86	5,138.48	5,004.05	134.43	38.224		
13,400.00	7,283.00	11,973.00	7,129.71	213.84	131.96	85.85	-626.11	4,177.86	5,229.40	5,096.17	133.23	39.250		
13,500.00	7,283.00	11,973.00	7,129.71	216.47	131.96	85.85	-626.11	4,177.86	5,320.64	5,188.56	132.08	40.284		
13,600.00	7,283.00	11,973.00	7,129.71	219.09	131.96	85.85	-626.11	4,177.86	5,412.20	5,281.23	130.96	41.326		
13,700.00	7,283.00	11,973.00	7,129.71	221.72	131.96	85.85	-626.11	4,177.86	5,504.04	5,374.16	129.88	42.377		
13,800.00	7,283.00	11,973.00	7,129.71	224.34	131.96	85.85	-626.11	4,177.86	5,596.17	5,467.33	128.84	43.434		
13,900.00	7,283.00	11,973.00	7,129.71	226.97	131.96	85.85	-626.11	4,177.86	5,688.56	5,560.73	127.84	44.499		
14,000.00	7,283.00	11,973.00	7,129.71	229.61	131.96	85.85	-626.11	4,177.86	5,781.21	5,654.34	126.86	45.570		
14,100.00	7,283.00	11,973.00	7,129.71	232.24	131.96	85.85	-626.11	4,177.86	5,874.09	5,748.17	125.92	46.648		
14,200.00	7,283.00	11,973.00	7,129.71	234.88	131.96	85.85	-626.11	4,177.86	5,967.21	5,842.20	125.01	47.733		
14,300.00	7,283.00	11,973.00	7,129.71	237.52	131.96	85.85	-626.11	4,177.86	6,060.55	5,936.41	124.13	48.823		
14,400.00	7,283.00	11,973.00	7,129.71	240.16	131.96	85.85	-626.11	4,177.86	6,154.09	6,030.81	123.28	49.919		
14,500.00	7,283.00	11,973.00	7,129.71	242.80	131.96	85.85	-626.11	4,177.86	6,247.84	6,125.38	122.46	51.020		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 215-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,600.00	7,283.00	11,973.00	7,129.71	245.44	131.96	85.85	-626.11	4,177.86	6,341.78	6,220.11	121.66	52.126	
14,700.00	7,283.00	11,973.00	7,129.71	248.09	131.96	85.85	-626.11	4,177.86	6,435.89	6,315.00	120.89	53.237	
14,800.00	7,283.00	11,973.00	7,129.71	250.74	131.96	85.85	-626.11	4,177.86	6,530.19	6,410.04	120.15	54.352	
14,900.00	7,283.00	11,973.00	7,129.71	253.38	131.96	85.85	-626.11	4,177.86	6,624.65	6,505.23	119.42	55.472	
15,000.00	7,283.00	11,973.00	7,129.71	256.03	131.96	85.85	-626.11	4,177.86	6,719.27	6,600.55	118.72	56.596	
15,100.00	7,283.00	11,973.00	7,129.71	258.69	131.96	85.85	-626.11	4,177.86	6,814.05	6,696.00	118.05	57.724	
15,200.00	7,283.00	11,973.00	7,129.71	261.34	131.96	85.85	-626.11	4,177.86	6,908.97	6,791.58	117.39	58.855	
15,300.00	7,283.00	11,973.00	7,129.71	263.99	131.96	85.85	-626.11	4,177.86	7,004.03	6,887.28	116.75	59.990	
15,400.00	7,283.00	11,973.00	7,129.71	266.65	131.96	85.85	-626.11	4,177.86	7,099.23	6,983.10	116.14	61.128	
15,500.00	7,283.00	11,973.00	7,129.71	269.31	131.96	85.85	-626.11	4,177.86	7,194.56	7,079.02	115.54	62.269	
15,600.00	7,283.00	11,973.00	7,129.71	271.96	131.96	85.85	-626.11	4,177.86	7,290.02	7,175.06	114.96	63.412	
15,700.00	7,283.00	11,973.00	7,129.71	274.62	131.96	85.85	-626.11	4,177.86	7,385.59	7,271.19	114.40	64.559	
15,800.00	7,283.00	11,973.00	7,129.71	277.28	131.96	85.85	-626.11	4,177.86	7,481.28	7,367.43	113.86	65.708	
15,900.00	7,283.00	11,973.00	7,129.71	279.94	131.96	85.85	-626.11	4,177.86	7,577.09	7,463.76	113.33	66.859	
16,000.00	7,283.00	11,973.00	7,129.71	282.61	131.96	85.85	-626.11	4,177.86	7,673.00	7,560.18	112.82	68.012	
16,100.00	7,283.00	11,973.00	7,129.71	285.27	131.96	85.85	-626.11	4,177.86	7,769.01	7,656.69	112.32	69.167	
16,200.00	7,283.00	11,973.00	7,129.71	287.94	131.96	85.85	-626.11	4,177.86	7,865.12	7,753.28	111.84	70.324	
16,300.00	7,283.00	11,973.00	7,129.71	290.60	131.96	85.85	-626.11	4,177.86	7,961.33	7,849.95	111.37	71.483	
16,400.00	7,283.00	11,973.00	7,129.71	293.27	131.96	85.85	-626.11	4,177.86	8,057.63	7,946.71	110.92	72.643	
16,500.00	7,283.00	11,973.00	7,129.71	295.94	131.96	85.85	-626.11	4,177.86	8,154.02	8,043.54	110.48	73.805	
16,600.00	7,283.00	11,973.00	7,129.71	298.60	131.96	85.85	-626.11	4,177.86	8,250.49	8,140.44	110.05	74.967	
16,700.00	7,283.00	11,973.00	7,129.71	301.27	131.96	85.85	-626.11	4,177.86	8,347.05	8,237.41	109.64	76.131	
16,800.00	7,283.00	11,973.00	7,129.71	303.94	131.96	85.85	-626.11	4,177.86	8,443.69	8,334.45	109.24	77.296	
16,900.00	7,283.00	11,973.00	7,129.71	306.62	131.96	85.85	-626.11	4,177.86	8,540.40	8,431.56	108.85	78.461	
17,000.00	7,283.00	11,973.00	7,129.71	309.29	131.96	85.85	-626.11	4,177.86	8,637.19	8,528.72	108.47	79.628	
17,100.00	7,283.00	11,973.00	7,129.71	311.96	131.96	85.85	-626.11	4,177.86	8,734.06	8,625.95	108.10	80.795	
17,200.00	7,283.00	11,973.00	7,129.71	314.63	131.96	85.85	-626.11	4,177.86	8,830.99	8,723.24	107.74	81.962	
17,300.00	7,283.00	11,973.00	7,129.71	317.31	131.96	85.85	-626.11	4,177.86	8,927.99	8,820.59	107.40	83.130	
17,400.00	7,283.00	11,973.00	7,129.71	319.98	131.96	85.85	-626.11	4,177.86	9,025.05	8,917.99	107.06	84.298	
17,500.00	7,283.00	11,973.00	7,129.71	322.66	131.96	85.85	-626.11	4,177.86	9,122.18	9,015.45	106.73	85.466	
17,600.00	7,283.00	11,973.00	7,129.71	325.34	131.96	85.85	-626.11	4,177.86	9,219.37	9,112.96	106.42	86.634	
17,700.00	7,283.00	11,973.00	7,129.71	328.01	131.96	85.85	-626.11	4,177.86	9,316.62	9,210.52	106.11	87.802	
17,800.00	7,283.00	11,973.00	7,129.71	330.69	131.96	85.85	-626.11	4,177.86	9,413.93	9,308.12	105.81	88.970	
17,900.00	7,283.00	11,973.00	7,129.71	333.37	131.96	85.85	-626.11	4,177.86	9,511.30	9,405.78	105.52	90.138	
18,000.00	7,283.00	11,973.00	7,129.71	336.05	131.96	85.85	-626.11	4,177.86	9,608.71	9,503.48	105.24	91.306	
18,100.00	7,283.00	11,973.00	7,129.71	338.73	131.96	85.85	-626.11	4,177.86	9,706.18	9,601.22	104.96	92.473	
18,200.00	7,283.00	11,973.00	7,129.71	341.41	131.96	85.85	-626.11	4,177.86	9,803.70	9,699.01	104.70	93.640	
18,300.00	7,283.00	11,973.00	7,129.71	344.09	131.96	85.85	-626.11	4,177.86	9,901.27	9,796.84	104.44	94.806	
18,400.00	7,283.00	11,973.00	7,129.71	346.77	131.96	85.85	-626.11	4,177.86	9,998.89	9,894.71	104.19	95.971	
18,500.00	7,283.00	11,973.00	7,129.71	349.46	131.96	85.85	-626.11	4,177.86	10,096.56	9,992.62	103.94	97.136	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 215-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	2.98	2.98	0.00	0.00	-91.22	-2.55	-119.86	119.89					
100.00	100.00	102.46	102.46	0.27	0.16	-91.16	-2.43	-120.09	120.12	119.69	0.43	280.655 ES		
200.00	200.00	201.93	201.93	0.63	0.31	-90.98	-2.06	-120.76	120.79	119.85	0.94	128.398		
300.00	299.98	301.50	301.49	0.98	0.64	-160.57	-1.49	-121.82	123.49	121.86	1.63	75.906		
400.00	399.84	400.00	399.98	1.34	1.00	-160.91	-0.68	-123.15	129.76	127.42	2.34	55.411		
500.00	499.45	495.00	494.93	1.71	1.34	-162.10	-1.11	-125.81	140.88	137.82	3.05	46.163		
600.00	598.70	591.28	591.02	2.10	1.69	-164.42	-4.29	-130.88	158.00	154.24	3.76	42.011		
700.00	697.47	687.31	686.67	2.51	2.04	-167.33	-10.09	-137.19	180.30	175.83	4.47	40.320		
800.00	795.62	786.98	785.77	2.95	2.42	-170.82	-19.19	-142.39	205.61	200.41	5.20	39.556		
900.00	893.06	874.00	872.08	3.43	2.75	-173.88	-29.38	-146.88	235.43	229.54	5.88	40.015		
1,000.00	989.64	961.41	958.47	3.95	3.11	-176.53	-40.91	-153.44	271.64	265.07	6.57	41.329		
1,100.00	1,085.27	1,050.63	1,046.43	4.52	3.49	-178.76	-53.53	-161.49	313.10	305.82	7.28	43.028		
1,200.00	1,179.82	1,139.07	1,133.55	5.14	3.88	179.41	-66.47	-169.46	358.19	350.21	7.98	44.866		
1,300.00	1,273.17	1,223.79	1,216.93	5.81	4.26	177.93	-79.35	-177.14	406.82	398.14	8.68	46.884		
1,400.00	1,365.21	1,300.85	1,292.53	6.54	4.61	176.66	-92.39	-184.39	459.53	450.20	9.33	49.253		
1,500.00	1,455.84	1,374.73	1,364.75	7.33	4.96	175.60	-105.63	-192.64	516.94	506.98	9.97	51.868		
1,600.00	1,544.94	1,450.52	1,438.79	8.19	5.33	174.78	-118.80	-202.02	577.96	567.34	10.62	54.397		
1,700.00	1,632.39	1,522.18	1,508.74	9.12	5.68	174.15	-131.11	-211.50	642.28	631.02	11.26	57.045		
1,800.00	1,718.11	1,599.61	1,584.28	10.11	6.07	173.56	-144.58	-221.90	709.44	697.49	11.95	59.368		
1,900.00	1,801.97	1,675.73	1,658.62	11.18	6.45	173.02	-157.83	-231.49	778.59	765.95	12.64	61.596		
1,969.27	1,858.92	1,717.81	1,699.67	11.96	6.66	172.68	-165.50	-236.73	828.06	815.02	13.04	63.491		
2,000.00	1,883.98	1,736.03	1,717.40	12.31	6.76	172.60	-168.98	-239.03	850.39	837.18	13.22	64.340		
2,100.00	1,965.50	1,785.68	1,765.60	13.48	7.02	172.38	-178.94	-245.55	923.72	910.03	13.69	67.454		
2,200.00	2,047.03	1,826.17	1,804.65	14.65	7.24	172.20	-187.66	-251.73	998.79	984.69	14.09	70.883		
2,300.00	2,128.56	1,871.27	1,847.84	15.84	7.49	172.01	-197.98	-259.60	1,075.49	1,060.96	14.53	74.027		
2,400.00	2,210.09	1,945.01	1,918.39	17.03	7.92	171.71	-215.27	-272.32	1,152.34	1,137.10	15.24	75.594		
2,500.00	2,291.61	2,011.38	1,981.93	18.23	8.31	171.44	-231.01	-283.27	1,228.84	1,212.95	15.90	77.299		
2,600.00	2,373.14	2,067.71	2,035.84	19.44	8.64	171.24	-244.44	-292.54	1,305.39	1,288.93	16.46	79.308		
2,700.00	2,454.67	2,111.16	2,077.30	20.64	8.90	171.10	-254.96	-300.21	1,382.74	1,365.84	16.90	81.817		
2,800.00	2,536.20	2,161.45	2,125.09	21.86	9.21	170.96	-267.32	-309.78	1,460.96	1,443.55	17.41	83.919		
2,900.00	2,617.72	2,238.22	2,198.13	23.07	9.68	170.77	-286.11	-324.16	1,539.02	1,520.83	18.18	84.642		
3,000.00	2,699.25	2,328.85	2,284.68	24.29	10.22	170.57	-307.71	-340.13	1,616.24	1,597.15	19.09	84.655		
3,100.00	2,780.78	2,398.25	2,351.15	25.50	10.64	170.44	-324.01	-351.69	1,692.79	1,672.99	19.80	85.505		
3,200.00	2,862.31	2,454.86	2,405.34	26.73	10.98	170.32	-337.49	-360.96	1,769.31	1,748.93	20.38	86.812		
3,300.00	2,943.83	2,500.49	2,448.98	27.95	11.25	170.26	-348.15	-369.01	1,846.39	1,825.53	20.86	88.525		
3,400.00	3,025.36	2,596.66	2,541.03	29.17	11.83	170.19	-369.62	-386.63	1,923.72	1,901.90	21.82	88.164		
3,500.00	3,106.89	2,658.86	2,600.88	30.40	12.19	170.17	-382.84	-397.25	1,999.81	1,977.36	22.45	89.064		
3,600.00	3,188.42	2,716.00	2,655.71	31.62	12.53	170.15	-395.16	-407.62	2,076.59	2,053.55	23.04	90.132		
3,700.00	3,269.94	2,777.46	2,714.66	32.85	12.90	170.14	-408.27	-419.00	2,153.55	2,129.88	23.67	90.997		
3,800.00	3,351.47	2,887.85	2,821.02	34.07	13.54	170.15	-430.46	-438.54	2,229.68	2,204.93	24.75	90.086		
3,900.00	3,433.00	2,946.84	2,878.07	35.30	13.87	170.17	-441.69	-448.51	2,304.98	2,279.63	25.35	90.927		
4,000.00	3,514.53	3,004.00	2,933.22	36.53	14.20	170.19	-452.76	-458.66	2,380.84	2,354.90	25.93	91.811		
4,100.00	3,596.05	3,033.63	2,961.73	37.76	14.38	170.20	-458.73	-464.09	2,457.19	2,430.93	26.26	93.572		
4,200.00	3,677.58	3,072.79	2,999.28	38.99	14.61	170.19	-467.13	-471.36	2,534.22	2,507.54	26.68	94.993		
4,300.00	3,759.11	3,118.18	3,042.62	40.22	14.89	170.16	-477.54	-479.91	2,611.84	2,584.68	27.16	96.167		
4,400.00	3,840.64	3,178.57	3,100.24	41.45	15.26	170.12	-491.60	-491.33	2,689.64	2,661.85	27.79	96.772		
4,500.00	3,922.16	3,229.57	3,148.82	42.68	15.58	170.08	-503.73	-500.95	2,767.58	2,739.24	28.34	97.655		
4,600.00	4,003.69	3,276.47	3,193.33	43.91	15.88	170.02	-515.75	-509.60	2,845.86	2,817.01	28.85	98.642		
4,700.00	4,085.22	3,577.00	3,481.92	45.15	17.66	169.71	-585.85	-554.53	2,920.29	2,888.45	31.83	91.742		
4,800.00	4,166.75	3,621.79	3,525.48	46.38	17.91	169.69	-594.60	-560.22	2,993.35	2,961.03	32.32	92.620		
4,900.00	4,248.27	3,672.00	3,574.08	47.61	18.19	169.69	-604.66	-567.79	3,067.70	3,034.84	32.85	93.373		
5,000.00	4,329.80	3,672.00	3,574.08	48.84	18.19	169.69	-604.66	-567.79	3,142.46	3,109.54	32.92	95.460		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T4N-R68W - JESSER 3E-10-13N - ORIGINAL WELLBORE - WB #1 - PATT 901													Offset Site Error:	0.00 usft
Survey Program: 215-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,411.33	9,952.99	7,055.31	50.08	80.56	140.47	-967.49	2,204.08	3,186.80	3,108.04	78.76	40.462		
5,200.00	4,492.86	9,995.00	7,055.81	51.31	81.63	139.78	-966.75	2,246.08	3,131.13	3,049.28	81.85	38.256		
5,300.00	4,574.38	10,067.59	7,056.86	52.54	83.48	138.59	-965.17	2,318.65	3,076.68	2,991.09	85.58	35.950		
5,400.00	4,655.91	10,206.65	7,057.64	53.78	87.03	136.26	-959.48	2,457.58	3,022.36	2,931.76	90.60	33.358		
5,500.00	4,737.44	10,253.38	7,057.94	55.01	88.22	135.47	-956.68	2,504.22	2,968.88	2,874.74	94.14	31.537		
5,600.00	4,818.97	10,299.96	7,058.54	56.24	89.41	134.67	-953.74	2,550.71	2,916.94	2,819.16	97.78	29.831		
5,700.00	4,900.49	10,342.82	7,058.55	57.48	90.51	133.91	-951.94	2,593.53	2,866.67	2,765.17	101.50	28.242		
5,800.00	4,982.02	10,377.00	7,058.05	58.71	91.39	133.29	-951.29	2,627.70	2,818.27	2,713.08	105.19	26.792		
5,900.00	5,063.55	10,405.13	7,057.50	59.95	92.12	132.77	-951.24	2,655.83	2,772.04	2,663.19	108.86	25.465		
6,000.00	5,145.08	10,429.47	7,057.07	61.18	92.75	132.31	-951.53	2,680.15	2,728.24	2,615.72	112.52	24.248		
6,100.00	5,226.60	10,472.00	7,056.45	62.42	93.85	131.50	-952.75	2,722.67	2,687.10	2,570.41	116.69	23.028		
6,200.00	5,308.13	10,472.00	7,056.45	63.65	93.85	131.50	-952.75	2,722.67	2,648.37	2,528.52	119.85	22.098		
6,300.00	5,389.66	10,506.85	7,056.17	64.89	94.76	130.83	-954.27	2,757.48	2,612.45	2,488.52	123.93	21.080		
6,400.00	5,471.19	10,535.40	7,056.18	66.12	95.50	130.28	-955.71	2,786.00	2,579.34	2,451.47	127.87	20.171		
6,500.00	5,552.72	10,567.00	7,056.43	67.36	96.32	129.67	-957.50	2,817.54	2,549.13	2,417.22	131.91	19.324		
6,600.00	5,634.24	10,626.01	7,057.02	68.59	97.86	128.52	-961.01	2,876.44	2,521.58	2,384.80	136.78	18.435		
6,700.00	5,715.77	10,689.33	7,057.36	69.83	99.52	127.27	-964.67	2,939.65	2,496.36	2,354.54	141.82	17.602		
6,800.00	5,797.30	10,750.79	7,057.31	71.06	101.13	126.05	-968.19	3,001.02	2,473.59	2,326.77	146.83	16.847		
6,900.00	5,878.83	10,819.26	7,056.98	72.30	102.92	124.68	-971.91	3,069.38	2,453.30	2,301.25	152.05	16.134		
7,000.00	5,960.35	10,892.90	7,056.75	73.53	104.85	123.20	-975.23	3,142.95	2,435.42	2,278.00	157.42	15.471		
7,100.00	6,041.88	10,971.61	7,057.34	74.77	106.92	121.63	-977.52	3,221.62	2,419.81	2,256.94	162.87	14.857		
7,200.00	6,123.41	11,043.66	7,056.92	76.01	108.81	120.17	-979.33	3,293.65	2,406.58	2,238.50	168.07	14.319		
7,300.00	6,204.94	11,118.13	7,053.64	77.24	112.50	117.30	-980.45	3,434.06	2,395.04	2,219.67	175.37	13.657		
7,400.00	6,286.46	11,254.24	7,050.16	78.48	114.34	115.85	-979.84	3,504.09	2,385.23	2,204.86	180.37	13.224		
7,500.00	6,367.99	11,288.91	7,048.52	79.71	115.25	115.13	-979.60	3,538.71	2,378.70	2,194.58	184.12	12.919		
7,600.00	6,449.52	11,331.00	7,046.97	80.95	116.36	114.25	-979.48	3,580.78	2,375.61	2,187.70	187.92	12.642		
7,643.66	6,485.11	11,345.62	7,046.55	81.49	116.74	113.95	-979.46	3,595.39	2,375.31	2,185.92	189.39	12.542		
7,700.00	6,531.05	11,378.19	7,045.86	82.19	117.60	113.29	-979.34	3,627.95	2,375.78	2,184.09	191.69	12.394		
7,800.00	6,612.57	11,443.49	7,045.50	83.42	119.32	111.96	-978.71	3,693.24	2,378.84	2,182.99	195.85	12.146		
7,900.00	6,694.10	11,529.83	7,046.24	84.66	121.59	110.23	-976.83	3,779.56	2,384.31	2,183.83	200.48	11.893		
8,000.00	6,775.63	11,599.44	7,047.74	85.89	123.43	108.85	-974.54	3,849.12	2,392.15	2,187.78	204.37	11.705		
8,100.00	6,857.16	11,666.52	7,049.59	87.13	125.19	107.53	-971.93	3,916.13	2,402.45	2,194.47	207.97	11.552		
8,200.00	6,938.68	11,728.43	7,050.61	88.37	126.82	106.31	-969.37	3,977.97	2,415.33	2,204.12	211.21	11.436		
8,300.00	7,020.21	11,784.69	7,050.80	89.60	128.30	105.20	-967.02	4,034.18	2,430.91	2,216.86	214.06	11.356		
8,310.57	7,028.83	11,790.51	7,050.78	89.73	128.46	105.08	-966.77	4,039.99	2,432.72	2,218.38	214.34	11.350		
8,350.00	7,060.23	11,813.14	7,050.61	90.25	129.05	101.90	-965.82	4,062.60	2,439.51	2,224.08	215.43	11.324		
8,400.00	7,097.77	11,844.84	7,050.34	90.98	129.89	98.42	-964.50	4,094.28	2,447.96	2,231.03	216.93	11.285		
8,450.00	7,132.48	11,879.79	7,050.03	91.79	130.81	95.42	-963.03	4,129.19	2,456.06	2,237.50	218.56	11.237		
8,500.00	7,164.10	11,917.71	7,049.70	92.67	131.81	92.84	-961.45	4,167.08	2,463.64	2,243.31	220.33	11.182		
8,550.00	7,192.40	11,950.00	7,049.42	93.63	132.66	90.74	-960.09	4,199.34	2,470.50	2,248.55	221.95	11.131		
8,600.00	7,217.15	11,950.00	7,049.42	94.64	132.66	89.32	-960.09	4,199.34	2,476.99	2,254.44	222.54	11.130		
8,650.00	7,238.16	11,950.00	7,049.42	95.70	132.66	88.10	-960.09	4,199.34	2,483.25	2,260.14	223.11	11.130 SF		
8,700.00	7,255.29	11,950.00	7,049.42	96.80	132.66	87.06	-960.09	4,199.34	2,489.24	2,265.60	223.64	11.130		
8,750.00	7,268.39	11,950.00	7,049.42	97.92	132.66	86.18	-960.09	4,199.34	2,494.93	2,270.79	224.14	11.131		
8,800.00	7,277.37	11,950.00	7,049.42	99.06	132.66	85.45	-960.09	4,199.34	2,500.26	2,275.67	224.59	11.133		
8,850.00	7,282.15	11,950.00	7,049.42	100.20	132.66	84.86	-960.09	4,199.34	2,505.21	2,280.22	224.99	11.135		
8,881.61	7,283.00	11,950.00	7,049.42	100.91	132.66	84.57	-960.09	4,199.34	2,508.11	2,282.91	225.21	11.137		
8,900.00	7,283.00	11,950.00	7,049.42	101.33	132.66	84.57	-960.09	4,199.34	2,509.82	2,284.50	225.32	11.139		
9,000.00	7,283.00	11,950.00	7,049.42	103.59	132.66	84.57	-960.09	4,199.34	2,521.44	2,295.67	225.77	11.168		
9,100.00	7,283.00	11,950.00	7,049.42	105.87	132.66	84.57	-960.09	4,199.34	2,536.94	2,311.03	225.91	11.230		
9,200.00	7,283.00	11,950.00	7,049.42	108.18	132.66	84.57	-960.09	4,199.34	2,556.27	2,330.52	225.75	11.323		
9,300.00	7,283.00	11,950.00	7,049.42	110.50	132.66	84.57	-960.09	4,199.34	2,579.33	2,354.02	225.31	11.448		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 3-T4N-R68W - JESSER 3E-10-13N - ORIGINAL WELLBORE - WB #1 - PATT 901		Offset Site Error:		0.00 usft
Survey Program:				215-MWD OWSG										Offset Well Error:		0.00 usft	
Reference		Offset		Semi Major Axis		Distance								Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
9,400.00	7,283.00	11,950.00	7,049.42	112.84	132.66	84.57	-960.09	4,199.34	2,606.03	2,381.43	224.60	11.603					
9,500.00	7,283.00	11,950.00	7,049.42	115.19	132.66	84.57	-960.09	4,199.34	2,636.25	2,412.61	223.65	11.788					
9,600.00	7,283.00	11,950.00	7,049.42	117.56	132.66	84.57	-960.09	4,199.34	2,669.88	2,447.42	222.46	12.002					
9,700.00	7,283.00	11,950.00	7,049.42	119.95	132.66	84.57	-960.09	4,199.34	2,706.79	2,485.72	221.07	12.244					
9,800.00	7,283.00	11,950.00	7,049.42	122.34	132.66	84.57	-960.09	4,199.34	2,746.84	2,527.34	219.50	12.514					
9,900.00	7,283.00	11,950.00	7,049.42	124.76	132.66	84.57	-960.09	4,199.34	2,789.91	2,572.13	217.78	12.811					
10,000.00	7,283.00	11,950.00	7,049.42	127.18	132.66	84.57	-960.09	4,199.34	2,835.85	2,619.94	215.91	13.134					
10,100.00	7,283.00	11,950.00	7,049.42	129.61	132.66	84.57	-960.09	4,199.34	2,884.52	2,670.59	213.93	13.483					
10,200.00	7,283.00	11,950.00	7,049.42	132.06	132.66	84.57	-960.09	4,199.34	2,935.80	2,723.94	211.86	13.858					
10,300.00	7,283.00	11,950.00	7,049.42	134.52	132.66	84.57	-960.09	4,199.34	2,989.54	2,779.83	209.70	14.256					
10,400.00	7,283.00	11,950.00	7,049.42	136.98	132.66	84.57	-960.09	4,199.34	3,045.62	2,838.12	207.50	14.678					
10,500.00	7,283.00	11,950.00	7,049.42	139.46	132.66	84.57	-960.09	4,199.34	3,103.91	2,898.66	205.24	15.123					
10,600.00	7,283.00	11,950.00	7,049.42	141.94	132.66	84.57	-960.09	4,199.34	3,164.28	2,961.31	202.96	15.590					
10,700.00	7,283.00	11,950.00	7,049.42	144.44	132.66	84.57	-960.09	4,199.34	3,226.62	3,025.95	200.67	16.079					
10,800.00	7,283.00	11,950.00	7,049.42	146.94	132.66	84.57	-960.09	4,199.34	3,290.83	3,092.46	198.37	16.589					
10,900.00	7,283.00	11,950.00	7,049.42	149.45	132.66	84.57	-960.09	4,199.34	3,356.78	3,160.70	196.08	17.120					
11,000.00	7,283.00	11,950.00	7,049.42	151.96	132.66	84.57	-960.09	4,199.34	3,424.39	3,230.59	193.80	17.670					
11,100.00	7,283.00	11,950.00	7,049.42	154.49	132.66	84.57	-960.09	4,199.34	3,493.55	3,302.01	191.54	18.239					
11,200.00	7,283.00	11,950.00	7,049.42	157.01	132.66	84.57	-960.09	4,199.34	3,564.17	3,374.86	189.31	18.827					
11,300.00	7,283.00	11,950.00	7,049.42	159.55	132.66	84.57	-960.09	4,199.34	3,636.17	3,449.06	187.11	19.433					
11,400.00	7,283.00	11,950.00	7,049.42	162.09	132.66	84.57	-960.09	4,199.34	3,709.47	3,524.52	184.95	20.057					
11,500.00	7,283.00	11,950.00	7,049.42	164.64	132.66	84.57	-960.09	4,199.34	3,783.99	3,601.17	182.83	20.697					
11,600.00	7,283.00	11,950.00	7,049.42	167.19	132.66	84.57	-960.09	4,199.34	3,859.67	3,678.92	180.75	21.354					
11,700.00	7,283.00	11,950.00	7,049.42	169.75	132.66	84.57	-960.09	4,199.34	3,936.43	3,757.71	178.72	22.026					
11,800.00	7,283.00	11,950.00	7,049.42	172.31	132.66	84.57	-960.09	4,199.34	4,014.22	3,837.49	176.73	22.714					
11,900.00	7,283.00	11,950.00	7,049.42	174.88	132.66	84.57	-960.09	4,199.34	4,092.97	3,918.18	174.79	23.416					
12,000.00	7,283.00	11,950.00	7,049.42	177.45	132.66	84.57	-960.09	4,199.34	4,172.63	3,999.73	172.90	24.133					
12,100.00	7,283.00	11,950.00	7,049.42	180.03	132.66	84.57	-960.09	4,199.34	4,253.15	4,082.09	171.06	24.864					
12,200.00	7,283.00	11,950.00	7,049.42	182.61	132.66	84.57	-960.09	4,199.34	4,334.48	4,165.22	169.26	25.608					
12,300.00	7,283.00	11,950.00	7,049.42	185.19	132.66	84.57	-960.09	4,199.34	4,416.57	4,249.06	167.52	26.365					
12,400.00	7,283.00	11,950.00	7,049.42	187.78	132.66	84.57	-960.09	4,199.34	4,499.40	4,333.58	165.82	27.135					
12,500.00	7,283.00	11,950.00	7,049.42	190.37	132.66	84.57	-960.09	4,199.34	4,582.90	4,418.74	164.17	27.916					
12,600.00	7,283.00	11,950.00	7,049.42	192.97	132.66	84.57	-960.09	4,199.34	4,667.06	4,504.50	162.56	28.709					
12,700.00	7,283.00	11,950.00	7,049.42	195.57	132.66	84.57	-960.09	4,199.34	4,751.83	4,590.83	161.00	29.514					
12,800.00	7,283.00	11,950.00	7,049.42	198.17	132.66	84.57	-960.09	4,199.34	4,837.18	4,677.69	159.49	30.329					
12,900.00	7,283.00	11,950.00	7,049.42	200.77	132.66	84.57	-960.09	4,199.34	4,923.08	4,765.06	158.02	31.155					
13,000.00	7,283.00	11,950.00	7,049.42	203.38	132.66	84.57	-960.09	4,199.34	5,009.51	4,852.92	156.60	31.990					
13,100.00	7,283.00	11,950.00	7,049.42	205.99	132.66	84.57	-960.09	4,199.34	5,096.43	4,941.22	155.21	32.836					
13,200.00	7,283.00	11,950.00	7,049.42	208.61	132.66	84.57	-960.09	4,199.34	5,183.83	5,029.96	153.87	33.690					
13,300.00	7,283.00	11,950.00	7,049.42	211.22	132.66	84.57	-960.09	4,199.34	5,271.67	5,119.11	152.56	34.554					
13,400.00	7,283.00	11,950.00	7,049.42	213.84	132.66	84.57	-960.09	4,199.34	5,359.94	5,208.64	151.30	35.427					
13,500.00	7,283.00	11,950.00	7,049.42	216.47	132.66	84.57	-960.09	4,199.34	5,448.61	5,298.55	150.07	36.308					
13,600.00	7,283.00	11,950.00	7,049.42	219.09	132.66	84.57	-960.09	4,199.34	5,537.67	5,388.80	148.88	37.196					
13,700.00	7,283.00	11,950.00	7,049.42	221.72	132.66	84.57	-960.09	4,199.34	5,627.10	5,479.38	147.72	38.093					
13,800.00	7,283.00	11,950.00	7,049.42	224.34	132.66	84.57	-960.09	4,199.34	5,716.88	5,570.28	146.60	38.997					
13,900.00	7,283.00	11,950.00	7,049.42	226.97	132.66	84.57	-960.09	4,199.34	5,806.99	5,661.48	145.51	39.908					
14,000.00	7,283.00	11,950.00	7,049.42	229.61	132.66	84.57	-960.09	4,199.34	5,897.42	5,752.97	144.45	40.827					
14,100.00	7,283.00	11,950.00	7,049.42	232.24	132.66	84.57	-960.09	4,199.34	5,988.16	5,844.73	143.42	41.751					
14,200.00	7,283.00	11,950.00	7,049.42	234.88	132.66	84.57	-960.09	4,199.34	6,079.18	5,936.76	142.43	42.683					
14,300.00	7,283.00	11,950.00	7,049.42	237.52	132.66	84.57	-960.09	4,199.34	6,170.49	6,029.03	141.46	43.620					
14,400.00	7,283.00	11,950.00	7,049.42	240.16	132.66	84.57	-960.09	4,199.34	6,262.06	6,121.54	140.52	44.563					
14,500.00	7,283.00	11,950.00	7,049.42	242.80	132.66	84.57	-960.09	4,199.34	6,353.88	6,214.27	139.61	45.512					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T4N-R68W - JESSER 3E-10-13N - ORIGINAL WELLBORE - WB #1 - PATT 901													Offset Site Error:	0.00 usft
Survey Program: 215-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,600.00	7,283.00	11,950.00	7,049.42	245.44	132.66	84.57	-960.09	4,199.34	6,445.95	6,307.22	138.72	46.466		
14,700.00	7,283.00	11,950.00	7,049.42	248.09	132.66	84.57	-960.09	4,199.34	6,538.25	6,400.38	137.86	47.425		
14,800.00	7,283.00	11,950.00	7,049.42	250.74	132.66	84.57	-960.09	4,199.34	6,630.77	6,493.74	137.03	48.390		
14,900.00	7,283.00	11,950.00	7,049.42	253.38	132.66	84.57	-960.09	4,199.34	6,723.51	6,587.29	136.22	49.359		
15,000.00	7,283.00	11,950.00	7,049.42	256.03	132.66	84.57	-960.09	4,199.34	6,816.45	6,681.02	135.43	50.332		
15,100.00	7,283.00	11,950.00	7,049.42	258.69	132.66	84.57	-960.09	4,199.34	6,909.59	6,774.93	134.66	51.310		
15,200.00	7,283.00	11,950.00	7,049.42	261.34	132.66	84.57	-960.09	4,199.34	7,002.92	6,869.00	133.92	52.293		
15,300.00	7,283.00	11,950.00	7,049.42	263.99	132.66	84.57	-960.09	4,199.34	7,096.43	6,963.23	133.19	53.279		
15,400.00	7,283.00	11,950.00	7,049.42	266.65	132.66	84.57	-960.09	4,199.34	7,190.11	7,057.62	132.49	54.269		
15,500.00	7,283.00	11,950.00	7,049.42	269.31	132.66	84.57	-960.09	4,199.34	7,283.97	7,152.16	131.81	55.262		
15,600.00	7,283.00	11,950.00	7,049.42	271.96	132.66	84.57	-960.09	4,199.34	7,377.98	7,246.84	131.14	56.259		
15,700.00	7,283.00	11,950.00	7,049.42	274.62	132.66	84.57	-960.09	4,199.34	7,472.15	7,341.66	130.50	57.259		
15,800.00	7,283.00	11,950.00	7,049.42	277.28	132.66	84.57	-960.09	4,199.34	7,566.47	7,436.60	129.87	58.263		
15,900.00	7,283.00	11,950.00	7,049.42	279.94	132.66	84.57	-960.09	4,199.34	7,660.94	7,531.68	129.26	59.269		
16,000.00	7,283.00	11,950.00	7,049.42	282.61	132.66	84.57	-960.09	4,199.34	7,755.54	7,626.88	128.66	60.278		
16,100.00	7,283.00	11,950.00	7,049.42	285.27	132.66	84.57	-960.09	4,199.34	7,850.27	7,722.19	128.08	61.290		
16,200.00	7,283.00	11,950.00	7,049.42	287.94	132.66	84.57	-960.09	4,199.34	7,945.14	7,817.62	127.52	62.305		
16,300.00	7,283.00	11,950.00	7,049.42	290.60	132.66	84.57	-960.09	4,199.34	8,040.13	7,913.16	126.97	63.321		
16,400.00	7,283.00	11,950.00	7,049.42	293.27	132.66	84.57	-960.09	4,199.34	8,135.24	8,008.80	126.44	64.341		
16,500.00	7,283.00	11,950.00	7,049.42	295.94	132.66	84.57	-960.09	4,199.34	8,230.47	8,104.54	125.92	65.362		
16,600.00	7,283.00	11,950.00	7,049.42	298.60	132.66	84.57	-960.09	4,199.34	8,325.80	8,200.39	125.42	66.385		
16,700.00	7,283.00	11,950.00	7,049.42	301.27	132.66	84.57	-960.09	4,199.34	8,421.25	8,296.32	124.93	67.410		
16,800.00	7,283.00	11,950.00	7,049.42	303.94	132.66	84.57	-960.09	4,199.34	8,516.80	8,392.35	124.45	68.437		
16,900.00	7,283.00	11,950.00	7,049.42	306.62	132.66	84.57	-960.09	4,199.34	8,612.45	8,488.47	123.98	69.466		
17,000.00	7,283.00	11,950.00	7,049.42	309.29	132.66	84.57	-960.09	4,199.34	8,708.20	8,584.67	123.53	70.496		
17,100.00	7,283.00	11,950.00	7,049.42	311.96	132.66	84.57	-960.09	4,199.34	8,804.04	8,680.96	123.09	71.527		
17,200.00	7,283.00	11,950.00	7,049.42	314.63	132.66	84.57	-960.09	4,199.34	8,899.98	8,777.32	122.66	72.560		
17,300.00	7,283.00	11,950.00	7,049.42	317.31	132.66	84.57	-960.09	4,199.34	8,996.00	8,873.77	122.24	73.594		
17,400.00	7,283.00	11,950.00	7,049.42	319.98	132.66	84.57	-960.09	4,199.34	9,092.11	8,970.28	121.83	74.630		
17,500.00	7,283.00	11,950.00	7,049.42	322.66	132.66	84.57	-960.09	4,199.34	9,188.31	9,066.87	121.43	75.666		
17,600.00	7,283.00	11,950.00	7,049.42	325.34	132.66	84.57	-960.09	4,199.34	9,284.58	9,163.53	121.05	76.703		
17,700.00	7,283.00	11,950.00	7,049.42	328.01	132.66	84.57	-960.09	4,199.34	9,380.93	9,260.26	120.67	77.741		
17,800.00	7,283.00	11,950.00	7,049.42	330.69	132.66	84.57	-960.09	4,199.34	9,477.36	9,357.05	120.30	78.780		
17,900.00	7,283.00	11,950.00	7,049.42	333.37	132.66	84.57	-960.09	4,199.34	9,573.86	9,453.91	119.94	79.820		
18,000.00	7,283.00	11,950.00	7,049.42	336.05	132.66	84.57	-960.09	4,199.34	9,670.43	9,550.83	119.59	80.860		
18,100.00	7,283.00	11,950.00	7,049.42	338.73	132.66	84.57	-960.09	4,199.34	9,767.07	9,647.81	119.26	81.901		
18,200.00	7,283.00	11,950.00	7,049.42	341.41	132.66	84.57	-960.09	4,199.34	9,863.77	9,744.85	118.92	82.942		
18,300.00	7,283.00	11,950.00	7,049.42	344.09	132.66	84.57	-960.09	4,199.34	9,960.55	9,841.94	118.60	83.983		
18,400.00	7,283.00	11,950.00	7,049.42	346.77	132.66	84.57	-960.09	4,199.34	10,057.38	9,939.09	118.29	85.025		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 215-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	2.99	2.99	0.00	0.00	-91.26	-2.19	-99.79	99.82					
100.00	100.00	102.77	102.77	0.27	0.16	-91.29	-2.25	-99.91	99.93	99.51	0.43	233.298		
200.00	200.00	202.55	202.55	0.63	0.31	-91.40	-2.44	-100.24	100.27	99.33	0.94	106.492 ES		
300.00	299.98	302.46	302.46	0.98	0.65	-161.44	-2.68	-100.73	102.42	100.79	1.63	62.843		
400.00	399.84	402.18	402.18	1.34	1.01	-162.43	-2.97	-101.27	107.95	105.60	2.35	46.003		
500.00	499.45	501.29	501.28	1.71	1.36	-163.87	-3.44	-102.04	117.09	114.03	3.07	38.188		
600.00	598.70	599.92	599.91	2.10	1.71	-165.45	-3.89	-103.19	130.05	126.27	3.79	34.341		
700.00	697.47	697.94	697.90	2.51	2.07	-167.57	-5.70	-104.39	146.70	142.19	4.51	32.548		
800.00	795.62	792.18	792.03	2.95	2.41	-170.10	-9.60	-106.33	168.10	162.89	5.22	32.209		
900.00	893.06	881.90	881.44	3.43	2.74	-172.74	-15.87	-110.20	195.89	189.98	5.92	33.116		
1,000.00	989.64	968.00	966.96	3.95	3.07	-175.22	-24.13	-115.86	230.12	223.53	6.59	34.911		
1,100.00	1,085.27	1,055.80	1,053.81	4.52	3.42	-177.57	-34.69	-123.11	270.10	262.83	7.28	37.106		
1,200.00	1,179.82	1,142.94	1,139.67	5.14	3.78	-179.77	-47.44	-130.86	314.93	306.95	7.97	39.496		
1,300.00	1,273.17	1,225.95	1,221.14	5.81	4.15	178.22	-61.65	-138.04	363.79	355.14	8.65	42.046		
1,400.00	1,365.21	1,306.58	1,299.91	6.54	4.51	176.40	-77.27	-145.17	416.89	407.56	9.33	44.686		
1,500.00	1,455.84	1,380.36	1,371.77	7.33	4.86	174.92	-92.50	-152.05	473.97	464.00	9.97	47.554		
1,600.00	1,544.94	1,446.15	1,435.58	8.19	5.19	173.81	-106.60	-159.67	535.93	525.38	10.55	50.807		
1,700.00	1,632.39	1,521.47	1,508.44	9.12	5.57	172.73	-123.19	-169.12	601.52	590.30	11.23	53.584		
1,800.00	1,718.11	1,595.66	1,580.17	10.11	5.96	171.78	-139.79	-178.20	669.69	657.78	11.91	56.231		
1,900.00	1,801.97	1,668.14	1,650.27	11.18	6.33	170.95	-156.07	-186.86	740.22	727.63	12.59	58.791		
1,969.27	1,858.92	1,722.95	1,703.30	11.96	6.62	170.37	-168.53	-192.97	790.22	777.10	13.12	60.246		
2,000.00	1,883.98	1,747.29	1,726.84	12.31	6.75	170.22	-174.14	-195.47	812.52	799.17	13.35	60.858		
2,100.00	1,965.50	1,798.39	1,776.19	13.48	7.03	169.90	-186.33	-200.69	885.44	871.59	13.86	63.899		
2,200.00	2,047.03	1,857.00	1,832.26	14.65	7.36	169.52	-201.77	-207.98	960.37	945.93	14.44	66.515		
2,300.00	2,128.56	1,886.18	1,859.99	15.84	7.53	169.33	-209.86	-212.11	1,036.43	1,021.69	14.74	70.319		
2,400.00	2,210.09	1,933.79	1,905.13	17.03	7.82	169.08	-223.09	-219.45	1,113.72	1,098.50	15.22	73.170		
2,500.00	2,291.61	1,983.00	1,951.64	18.23	8.12	168.86	-236.88	-227.72	1,191.88	1,176.16	15.72	75.801		
2,600.00	2,373.14	2,032.99	1,998.71	19.44	8.43	168.65	-251.24	-236.46	1,270.66	1,254.42	16.24	78.250		
2,700.00	2,454.67	2,082.55	2,045.22	20.64	8.75	168.45	-265.82	-245.41	1,350.00	1,333.25	16.76	80.572		
2,800.00	2,536.20	2,131.36	2,090.90	21.86	9.07	168.26	-280.43	-254.53	1,429.85	1,412.58	17.27	82.804		
2,900.00	2,617.72	2,181.11	2,137.29	23.07	9.40	168.07	-295.71	-264.00	1,510.16	1,492.36	17.80	84.841		
3,000.00	2,699.25	2,230.56	2,183.16	24.29	9.74	167.85	-311.65	-273.30	1,590.84	1,572.51	18.33	86.771		
3,100.00	2,780.78	2,303.55	2,250.76	25.50	10.24	167.52	-335.76	-286.64	1,671.54	1,652.40	19.14	87.334		
3,200.00	2,862.31	2,334.00	2,279.02	26.73	10.45	167.40	-345.71	-292.02	1,752.09	1,732.61	19.47	89.972		
3,300.00	2,943.83	2,382.94	2,324.29	27.95	10.80	167.21	-361.94	-301.09	1,833.07	1,813.05	20.02	91.563		
3,400.00	3,025.36	2,430.00	2,367.42	29.17	11.14	167.04	-378.07	-310.82	1,915.34	1,894.80	20.55	93.220		
3,500.00	3,106.89	2,446.09	2,382.09	30.40	11.26	166.98	-383.70	-314.31	1,998.06	1,977.34	20.72	96.415		
3,600.00	3,188.42	2,494.78	2,426.37	31.62	11.63	166.80	-401.00	-324.80	2,081.29	2,060.01	21.28	97.805		
3,700.00	3,269.94	2,617.66	2,538.49	32.85	12.55	166.40	-444.34	-350.24	2,164.35	2,141.66	22.69	95.367		
3,800.00	3,351.47	2,773.88	2,683.91	34.07	13.64	166.08	-494.08	-378.19	2,244.27	2,219.83	24.44	91.831		
3,900.00	3,433.00	2,892.87	2,795.99	35.30	14.44	165.91	-529.39	-396.88	2,322.49	2,296.75	25.74	90.219		
4,000.00	3,514.53	2,963.12	2,862.53	36.53	14.90	165.83	-549.38	-407.23	2,399.72	2,373.20	26.52	90.480		
4,100.00	3,596.05	3,004.00	2,901.27	37.76	15.16	165.80	-560.93	-413.30	2,477.06	2,450.07	26.99	91.765		
4,200.00	3,677.58	3,048.42	2,943.30	38.99	15.46	165.76	-573.49	-420.31	2,554.90	2,527.40	27.50	92.906		
4,300.00	3,759.11	3,099.00	2,990.97	40.22	15.79	165.74	-587.86	-429.23	2,633.64	2,605.57	28.07	93.824		
4,400.00	3,840.64	3,195.00	3,081.79	41.45	16.42	165.74	-613.96	-446.11	2,712.15	2,683.05	29.11	93.178		
4,500.00	3,922.16	3,250.45	3,134.45	42.68	16.78	165.74	-628.65	-455.36	2,789.81	2,760.09	29.72	93.857		
4,600.00	4,003.69	3,296.25	3,177.79	43.91	17.08	165.73	-641.28	-463.10	2,867.94	2,837.70	30.24	94.828		
4,700.00	4,085.22	3,375.72	3,252.76	45.15	17.61	165.67	-664.43	-475.71	2,946.04	2,914.91	31.13	94.628		
4,800.00	4,166.75	3,421.83	3,296.15	46.38	17.93	165.61	-678.42	-482.60	3,024.09	2,992.42	31.67	95.476		
4,900.00	4,248.27	3,462.28	3,334.17	47.61	18.20	165.57	-690.68	-488.98	3,102.57	3,070.42	32.15	96.492		
5,000.00	4,329.80	3,481.00	3,351.74	48.84	18.33	165.55	-696.35	-492.04	3,181.59	3,149.19	32.40	98.211		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T4N-R68W - JESSER 3E-10-14C - ORIGINAL WELLBORE - WB #1 - PATT 901													Offset Site Error:	0.00 usft
Survey Program: 215-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,411.33	3,530.54	3,398.11	50.08	18.68	165.50	-711.66	-500.43	3,260.96	3,227.98	32.98	98.884		
5,200.00	4,492.86	3,577.00	3,441.33	51.31	19.01	165.45	-726.59	-508.63	3,341.02	3,307.49	33.53	99.651		
5,300.00	4,574.38	3,648.14	3,507.63	52.54	19.51	165.37	-749.31	-520.82	3,420.79	3,386.43	34.35	99.573		
5,400.00	4,655.91	10,458.09	7,257.12	53.78	86.93	134.59	-1,291.10	2,464.02	3,385.34	3,291.50	93.84	36.076		
5,500.00	4,737.44	10,473.00	7,257.21	55.01	87.31	134.37	-1,290.26	2,478.91	3,334.87	3,238.20	96.67	34.497		
5,600.00	4,818.97	10,521.41	7,257.73	56.24	88.54	133.64	-1,287.79	2,527.25	3,285.91	3,185.72	100.18	32.799		
5,700.00	4,900.49	10,568.00	7,258.61	57.48	89.73	132.92	-1,286.06	2,573.80	3,239.08	3,135.32	103.76	31.217		
5,800.00	4,982.02	10,605.17	7,259.38	58.71	90.68	132.35	-1,284.85	2,610.94	3,193.89	3,086.65	107.24	29.782		
5,900.00	5,063.55	10,709.74	7,260.82	59.95	93.36	130.70	-1,280.52	2,715.41	3,149.67	3,037.51	112.16	28.083		
6,000.00	5,145.08	10,796.17	7,261.65	61.18	95.57	129.33	-1,275.82	2,801.70	3,106.35	2,989.54	116.81	26.593		
6,100.00	5,226.60	10,855.00	7,261.70	62.42	97.08	128.38	-1,272.50	2,860.44	3,064.25	2,943.23	121.02	25.320		
6,200.00	5,308.13	10,902.12	7,261.66	63.65	98.29	127.60	-1,269.96	2,907.50	3,023.93	2,898.85	125.08	24.176		
6,300.00	5,389.66	10,950.00	7,261.86	64.89	99.52	126.81	-1,267.64	2,955.32	2,985.77	2,856.55	129.22	23.107		
6,400.00	5,471.19	10,989.38	7,262.06	66.12	100.53	126.16	-1,265.90	2,994.66	2,949.65	2,816.43	133.23	22.140		
6,500.00	5,552.72	11,042.11	7,262.17	67.36	101.89	125.27	-1,263.74	3,047.34	2,915.55	2,777.96	137.59	21.190		
6,600.00	5,634.24	11,076.59	7,262.15	68.59	102.79	124.69	-1,262.54	3,081.80	2,883.67	2,742.09	141.58	20.368		
6,700.00	5,715.77	11,109.37	7,262.12	69.83	103.64	124.12	-1,261.72	3,114.58	2,854.30	2,708.77	145.53	19.613		
6,800.00	5,797.30	11,141.00	7,262.08	71.06	104.46	123.58	-1,261.22	3,146.20	2,827.53	2,678.08	149.46	18.919		
6,900.00	5,878.83	11,182.54	7,262.24	72.30	105.54	122.86	-1,260.74	3,187.74	2,803.37	2,649.75	153.62	18.248		
7,000.00	5,960.35	11,224.37	7,262.89	73.53	106.63	122.14	-1,260.24	3,229.56	2,781.78	2,624.01	157.77	17.632		
7,100.00	6,041.88	11,262.95	7,263.79	74.77	107.64	121.47	-1,259.84	3,268.13	2,762.80	2,601.02	161.78	17.078		
7,200.00	6,123.41	11,299.59	7,264.59	76.01	108.60	120.84	-1,259.78	3,304.76	2,746.58	2,580.89	165.69	16.577		
7,300.00	6,204.94	11,332.00	7,265.24	77.24	109.45	120.27	-1,259.99	3,337.16	2,733.18	2,563.78	169.40	16.135		
7,400.00	6,286.46	11,367.58	7,265.79	78.48	110.38	119.65	-1,260.60	3,372.73	2,722.69	2,549.57	173.12	15.727		
7,500.00	6,367.99	11,398.84	7,266.06	79.71	111.20	119.09	-1,261.51	3,403.97	2,715.21	2,538.60	176.61	15.374		
7,600.00	6,449.52	11,431.74	7,266.13	80.95	112.06	118.51	-1,262.84	3,436.85	2,710.78	2,530.75	180.03	15.057		
7,700.00	6,531.05	11,494.32	7,265.79	82.19	113.71	117.38	-1,265.62	3,499.36	2,709.08	2,524.74	184.34	14.696		
7,718.54	6,546.16	11,505.74	7,265.67	82.41	114.01	117.18	-1,266.12	3,510.77	2,709.04	2,523.92	185.12	14.634		
7,800.00	6,612.57	11,553.42	7,265.06	83.42	115.27	116.32	-1,268.17	3,558.41	2,709.88	2,521.46	188.43	14.382		
7,900.00	6,694.10	11,611.46	7,264.58	84.66	116.80	115.28	-1,270.50	3,616.40	2,713.25	2,520.91	192.34	14.107		
8,000.00	6,775.63	11,651.50	7,264.45	85.89	117.85	114.56	-1,272.09	3,656.40	2,719.31	2,523.84	195.47	13.911		
8,100.00	6,857.16	11,689.55	7,264.51	87.13	118.86	113.88	-1,273.80	3,694.41	2,728.29	2,529.92	198.37	13.753		
8,200.00	6,938.68	11,713.00	7,264.63	88.37	119.47	113.46	-1,274.95	3,717.84	2,740.20	2,539.63	200.57	13.662		
8,300.00	7,020.21	11,762.12	7,265.13	89.60	120.77	112.60	-1,277.64	3,766.88	2,754.88	2,551.35	203.53	13.535		
8,310.57	7,028.83	11,765.88	7,265.18	89.73	120.87	112.53	-1,277.86	3,770.64	2,756.60	2,552.82	203.78	13.527		
8,350.00	7,060.23	11,780.71	7,265.41	90.25	121.27	109.54	-1,278.77	3,785.43	2,763.26	2,558.52	204.74	13.496		
8,400.00	7,097.77	11,809.00	7,265.93	90.98	122.01	106.13	-1,280.60	3,813.66	2,772.11	2,565.80	206.31	13.437		
8,450.00	7,132.48	11,832.99	7,266.41	91.79	122.65	103.25	-1,282.21	3,837.59	2,781.20	2,573.47	207.73	13.389		
8,500.00	7,164.10	11,871.08	7,267.12	92.67	123.66	100.56	-1,284.78	3,875.59	2,790.29	2,580.60	209.69	13.307		
8,550.00	7,192.40	11,950.15	7,268.05	93.63	125.75	97.75	-1,289.79	3,954.49	2,799.14	2,585.92	213.21	13.128		
8,600.00	7,217.15	12,070.48	7,266.71	94.64	128.94	94.96	-1,294.46	4,074.72	2,806.30	2,588.08	218.22	12.860		
8,650.00	7,238.16	12,127.88	7,266.10	95.70	130.46	93.23	-1,295.78	4,132.10	2,812.30	2,591.36	220.94	12.729		
8,700.00	7,255.29	12,174.36	7,265.62	96.80	131.69	91.92	-1,296.80	4,178.57	2,817.52	2,594.23	223.29	12.618		
8,750.00	7,268.39	12,176.00	7,265.61	97.92	131.74	91.10	-1,296.83	4,180.21	2,822.26	2,598.22	224.04	12.597		
8,800.00	7,277.37	12,176.00	7,265.61	99.06	131.74	90.43	-1,296.83	4,180.21	2,826.89	2,602.21	224.68	12.582		
8,850.00	7,282.15	12,176.00	7,265.61	100.20	131.74	89.87	-1,296.83	4,180.21	2,831.39	2,606.13	225.26	12.569		
8,881.61	7,283.00	12,176.00	7,265.61	100.91	131.74	89.59	-1,296.83	4,180.21	2,834.14	2,608.55	225.59	12.563		
8,900.00	7,283.00	12,176.00	7,265.61	101.33	131.74	89.59	-1,296.83	4,180.21	2,835.78	2,610.01	225.77	12.561 SF		
9,000.00	7,283.00	12,176.00	7,265.61	103.59	131.74	89.59	-1,296.83	4,180.21	2,846.76	2,620.16	226.59	12.563		
9,100.00	7,283.00	12,176.00	7,265.61	105.87	131.74	89.59	-1,296.83	4,180.21	2,861.19	2,634.01	227.18	12.594		
9,200.00	7,283.00	12,176.00	7,265.61	108.18	131.74	89.59	-1,296.83	4,180.21	2,879.03	2,651.50	227.53	12.653		
9,300.00	7,283.00	12,176.00	7,265.61	110.50	131.74	89.59	-1,296.83	4,180.21	2,900.20	2,672.55	227.65	12.740		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 215-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,400.00	7,283.00	12,176.00	7,265.61	112.84	131.74	89.59	-1,296.83	4,180.21	2,924.64	2,697.10	227.54	12.853		
9,500.00	7,283.00	12,176.00	7,265.61	115.19	131.74	89.59	-1,296.83	4,180.21	2,952.27	2,725.04	227.23	12.992		
9,600.00	7,283.00	12,176.00	7,265.61	117.56	131.74	89.59	-1,296.83	4,180.21	2,983.00	2,756.28	226.72	13.157		
9,700.00	7,283.00	12,176.00	7,265.61	119.95	131.74	89.59	-1,296.83	4,180.21	3,016.73	2,790.71	226.03	13.347		
9,800.00	7,283.00	12,176.00	7,265.61	122.34	131.74	89.59	-1,296.83	4,180.21	3,053.37	2,828.20	225.16	13.561		
9,900.00	7,283.00	12,176.00	7,265.61	124.76	131.74	89.59	-1,296.83	4,180.21	3,092.80	2,868.66	224.14	13.798		
10,000.00	7,283.00	12,176.00	7,265.61	127.18	131.74	89.59	-1,296.83	4,180.21	3,134.93	2,911.94	222.99	14.059		
10,100.00	7,283.00	12,176.00	7,265.61	129.61	131.74	89.59	-1,296.83	4,180.21	3,179.65	2,957.94	221.71	14.342		
10,200.00	7,283.00	12,176.00	7,265.61	132.06	131.74	89.59	-1,296.83	4,180.21	3,226.85	3,006.53	220.32	14.646		
10,300.00	7,283.00	12,176.00	7,265.61	134.52	131.74	89.59	-1,296.83	4,180.21	3,276.42	3,057.59	218.83	14.972		
10,400.00	7,283.00	12,176.00	7,265.61	136.98	131.74	89.59	-1,296.83	4,180.21	3,328.26	3,110.99	217.27	15.319		
10,500.00	7,283.00	12,176.00	7,265.61	139.46	131.74	89.59	-1,296.83	4,180.21	3,382.26	3,166.62	215.64	15.685		
10,600.00	7,283.00	12,176.00	7,265.61	141.94	131.74	89.59	-1,296.83	4,180.21	3,438.32	3,224.37	213.95	16.071		
10,700.00	7,283.00	12,176.00	7,265.61	144.44	131.74	89.59	-1,296.83	4,180.21	3,496.35	3,284.13	212.22	16.475		
10,800.00	7,283.00	12,176.00	7,265.61	146.94	131.74	89.59	-1,296.83	4,180.21	3,556.24	3,345.79	210.45	16.898		
10,900.00	7,283.00	12,176.00	7,265.61	149.45	131.74	89.59	-1,296.83	4,180.21	3,617.90	3,409.24	208.65	17.339		
11,000.00	7,283.00	12,176.00	7,265.61	151.96	131.74	89.59	-1,296.83	4,180.21	3,681.25	3,474.40	206.84	17.797		
11,100.00	7,283.00	12,176.00	7,265.61	154.49	131.74	89.59	-1,296.83	4,180.21	3,746.19	3,541.17	205.03	18.272		
11,200.00	7,283.00	12,176.00	7,265.61	157.01	131.74	89.59	-1,296.83	4,180.21	3,812.65	3,609.45	203.20	18.763		
11,300.00	7,283.00	12,176.00	7,265.61	159.55	131.74	89.59	-1,296.83	4,180.21	3,880.55	3,679.17	201.39	19.269		
11,400.00	7,283.00	12,176.00	7,265.61	162.09	131.74	89.59	-1,296.83	4,180.21	3,949.82	3,750.24	199.58	19.791		
11,500.00	7,283.00	12,176.00	7,265.61	164.64	131.74	89.59	-1,296.83	4,180.21	4,020.38	3,822.60	197.78	20.327		
11,600.00	7,283.00	12,176.00	7,265.61	167.19	131.74	89.59	-1,296.83	4,180.21	4,092.17	3,896.17	196.00	20.878		
11,700.00	7,283.00	12,176.00	7,265.61	169.75	131.74	89.59	-1,296.83	4,180.21	4,165.12	3,970.88	194.24	21.443		
11,800.00	7,283.00	12,176.00	7,265.61	172.31	131.74	89.59	-1,296.83	4,180.21	4,239.17	4,046.67	192.51	22.021		
11,900.00	7,283.00	12,176.00	7,265.61	174.88	131.74	89.59	-1,296.83	4,180.21	4,314.27	4,123.48	190.80	22.612		
12,000.00	7,283.00	12,176.00	7,265.61	177.45	131.74	89.59	-1,296.83	4,180.21	4,390.37	4,201.25	189.12	23.215		
12,100.00	7,283.00	12,176.00	7,265.61	180.03	131.74	89.59	-1,296.83	4,180.21	4,467.41	4,279.94	187.46	23.831		
12,200.00	7,283.00	12,176.00	7,265.61	182.61	131.74	89.59	-1,296.83	4,180.21	4,545.34	4,359.50	185.84	24.458		
12,300.00	7,283.00	12,176.00	7,265.61	185.19	131.74	89.59	-1,296.83	4,180.21	4,624.12	4,439.87	184.25	25.097		
12,400.00	7,283.00	12,176.00	7,265.61	187.78	131.74	89.59	-1,296.83	4,180.21	4,703.71	4,521.01	182.69	25.747		
12,500.00	7,283.00	12,176.00	7,265.61	190.37	131.74	89.59	-1,296.83	4,180.21	4,784.06	4,602.89	181.17	26.407		
12,600.00	7,283.00	12,176.00	7,265.61	192.97	131.74	89.59	-1,296.83	4,180.21	4,865.14	4,685.47	179.68	27.077		
12,700.00	7,283.00	12,176.00	7,265.61	195.57	131.74	89.59	-1,296.83	4,180.21	4,946.92	4,768.70	178.22	27.758		
12,800.00	7,283.00	12,176.00	7,265.61	198.17	131.74	89.59	-1,296.83	4,180.21	5,029.35	4,852.56	176.79	28.448		
12,900.00	7,283.00	12,176.00	7,265.61	200.77	131.74	89.59	-1,296.83	4,180.21	5,112.41	4,937.01	175.40	29.147		
13,000.00	7,283.00	12,176.00	7,265.61	203.38	131.74	89.59	-1,296.83	4,180.21	5,196.07	5,022.03	174.04	29.856		
13,100.00	7,283.00	12,176.00	7,265.61	205.99	131.74	89.59	-1,296.83	4,180.21	5,280.29	5,107.58	172.71	30.573		
13,200.00	7,283.00	12,176.00	7,265.61	208.61	131.74	89.59	-1,296.83	4,180.21	5,365.06	5,193.64	171.42	31.298		
13,300.00	7,283.00	12,176.00	7,265.61	211.22	131.74	89.59	-1,296.83	4,180.21	5,450.34	5,280.19	170.16	32.031		
13,400.00	7,283.00	12,176.00	7,265.61	213.84	131.74	89.59	-1,296.83	4,180.21	5,536.12	5,367.19	168.92	32.773		
13,500.00	7,283.00	12,176.00	7,265.61	216.47	131.74	89.59	-1,296.83	4,180.21	5,622.37	5,454.64	167.72	33.521		
13,600.00	7,283.00	12,176.00	7,265.61	219.09	131.74	89.59	-1,296.83	4,180.21	5,709.06	5,542.51	166.55	34.277		
13,700.00	7,283.00	12,176.00	7,265.61	221.72	131.74	89.59	-1,296.83	4,180.21	5,796.18	5,630.77	165.41	35.041		
13,800.00	7,283.00	12,176.00	7,265.61	224.34	131.74	89.59	-1,296.83	4,180.21	5,883.72	5,719.41	164.30	35.810		
13,900.00	7,283.00	12,176.00	7,265.61	226.97	131.74	89.59	-1,296.83	4,180.21	5,971.64	5,808.42	163.22	36.587		
14,000.00	7,283.00	12,176.00	7,265.61	229.61	131.74	89.59	-1,296.83	4,180.21	6,059.94	5,897.78	162.16	37.369		
14,100.00	7,283.00	12,176.00	7,265.61	232.24	131.74	89.59	-1,296.83	4,180.21	6,148.60	5,987.46	161.14	38.158		
14,200.00	7,283.00	12,176.00	7,265.61	234.88	131.74	89.59	-1,296.83	4,180.21	6,237.60	6,077.47	160.13	38.953		
14,300.00	7,283.00	12,176.00	7,265.61	237.52	131.74	89.59	-1,296.83	4,180.21	6,326.93	6,167.77	159.16	39.753		
14,400.00	7,283.00	12,176.00	7,265.61	240.16	131.74	89.59	-1,296.83	4,180.21	6,416.57	6,258.37	158.21	40.558		
14,500.00	7,283.00	12,176.00	7,265.61	242.80	131.74	89.59	-1,296.83	4,180.21	6,506.52	6,349.24	157.28	41.369		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 215-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,600.00	7,283.00	12,176.00	7,265.61	245.44	131.74	89.59	-1,296.83	4,180.21	6,596.75	6,440.38	156.38	42.185		
14,700.00	7,283.00	12,176.00	7,265.61	248.09	131.74	89.59	-1,296.83	4,180.21	6,687.27	6,531.77	155.50	43.006		
14,800.00	7,283.00	12,176.00	7,265.61	250.74	131.74	89.59	-1,296.83	4,180.21	6,778.05	6,623.41	154.64	43.832		
14,900.00	7,283.00	12,176.00	7,265.61	253.38	131.74	89.59	-1,296.83	4,180.21	6,869.08	6,715.28	153.80	44.662		
15,000.00	7,283.00	12,176.00	7,265.61	256.03	131.74	89.59	-1,296.83	4,180.21	6,960.36	6,807.37	152.99	45.496		
15,100.00	7,283.00	12,176.00	7,265.61	258.69	131.74	89.59	-1,296.83	4,180.21	7,051.88	6,899.69	152.20	46.334		
15,200.00	7,283.00	12,176.00	7,265.61	261.34	131.74	89.59	-1,296.83	4,180.21	7,143.63	6,992.20	151.42	47.177		
15,300.00	7,283.00	12,176.00	7,265.61	263.99	131.74	89.59	-1,296.83	4,180.21	7,235.59	7,084.92	150.67	48.023		
15,400.00	7,283.00	12,176.00	7,265.61	266.65	131.74	89.59	-1,296.83	4,180.21	7,327.77	7,177.83	149.93	48.873		
15,500.00	7,283.00	12,176.00	7,265.61	269.31	131.74	89.59	-1,296.83	4,180.21	7,420.14	7,270.93	149.22	49.727		
15,600.00	7,283.00	12,176.00	7,265.61	271.96	131.74	89.59	-1,296.83	4,180.21	7,512.72	7,364.20	148.52	50.584		
15,700.00	7,283.00	12,176.00	7,265.61	274.62	131.74	89.59	-1,296.83	4,180.21	7,605.48	7,457.64	147.84	51.444		
15,800.00	7,283.00	12,176.00	7,265.61	277.28	131.74	89.59	-1,296.83	4,180.21	7,698.42	7,551.24	147.18	52.308		
15,900.00	7,283.00	12,176.00	7,265.61	279.94	131.74	89.59	-1,296.83	4,180.21	7,791.54	7,645.01	146.53	53.174		
16,000.00	7,283.00	12,176.00	7,265.61	282.61	131.74	89.59	-1,296.83	4,180.21	7,884.82	7,738.93	145.90	54.044		
16,100.00	7,283.00	12,176.00	7,265.61	285.27	131.74	89.59	-1,296.83	4,180.21	7,978.27	7,832.99	145.28	54.916		
16,200.00	7,283.00	12,176.00	7,265.61	287.94	131.74	89.59	-1,296.83	4,180.21	8,071.88	7,927.19	144.68	55.791		
16,300.00	7,283.00	12,176.00	7,265.61	290.60	131.74	89.59	-1,296.83	4,180.21	8,165.63	8,021.54	144.10	56.668		
16,400.00	7,283.00	12,176.00	7,265.61	293.27	131.74	89.59	-1,296.83	4,180.21	8,259.54	8,116.01	143.53	57.548		
16,500.00	7,283.00	12,176.00	7,265.61	295.94	131.74	89.59	-1,296.83	4,180.21	8,353.58	8,210.61	142.97	58.430		
16,600.00	7,283.00	12,176.00	7,265.61	298.60	131.74	89.59	-1,296.83	4,180.21	8,447.76	8,305.34	142.42	59.314		
16,700.00	7,283.00	12,176.00	7,265.61	301.27	131.74	89.59	-1,296.83	4,180.21	8,542.08	8,400.18	141.89	60.200		
16,800.00	7,283.00	12,176.00	7,265.61	303.94	131.74	89.59	-1,296.83	4,180.21	8,636.52	8,495.14	141.38	61.089		
16,900.00	7,283.00	12,176.00	7,265.61	306.62	131.74	89.59	-1,296.83	4,180.21	8,731.08	8,590.21	140.87	61.979		
17,000.00	7,283.00	12,176.00	7,265.61	309.29	131.74	89.59	-1,296.83	4,180.21	8,825.77	8,685.39	140.38	62.871		
17,100.00	7,283.00	12,176.00	7,265.61	311.96	131.74	89.59	-1,296.83	4,180.21	8,920.57	8,780.67	139.90	63.765		
17,200.00	7,283.00	12,176.00	7,265.61	314.63	131.74	89.59	-1,296.83	4,180.21	9,015.48	8,876.06	139.43	64.660		
17,300.00	7,283.00	12,176.00	7,265.61	317.31	131.74	89.59	-1,296.83	4,180.21	9,110.51	8,971.54	138.97	65.557		
17,400.00	7,283.00	12,176.00	7,265.61	319.98	131.74	89.59	-1,296.83	4,180.21	9,205.63	9,067.11	138.52	66.456		
17,500.00	7,283.00	12,176.00	7,265.61	322.66	131.74	89.59	-1,296.83	4,180.21	9,300.86	9,162.78	138.09	67.355		
17,600.00	7,283.00	12,176.00	7,265.61	325.34	131.74	89.59	-1,296.83	4,180.21	9,396.19	9,258.53	137.66	68.257		
17,700.00	7,283.00	12,176.00	7,265.61	328.01	131.74	89.59	-1,296.83	4,180.21	9,491.62	9,354.38	137.24	69.159		
17,800.00	7,283.00	12,176.00	7,265.61	330.69	131.74	89.59	-1,296.83	4,180.21	9,587.14	9,450.30	136.84	70.063		
17,900.00	7,283.00	12,176.00	7,265.61	333.37	131.74	89.59	-1,296.83	4,180.21	9,682.75	9,546.31	136.44	70.967		
18,000.00	7,283.00	12,176.00	7,265.61	336.05	131.74	89.59	-1,296.83	4,180.21	9,778.44	9,642.39	136.05	71.873		
18,100.00	7,283.00	12,176.00	7,265.61	338.73	131.74	89.59	-1,296.83	4,180.21	9,874.23	9,738.55	135.67	72.779		
18,200.00	7,283.00	12,176.00	7,265.61	341.41	131.74	89.59	-1,296.83	4,180.21	9,970.09	9,834.79	135.30	73.687		
18,300.00	7,283.00	12,176.00	7,265.61	344.09	131.74	89.59	-1,296.83	4,180.21	10,066.04	9,931.09	134.94	74.595		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 215-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	2.00	2.00	0.00	0.00	-91.31	-1.82	-79.72	79.74					
100.00	100.00	101.80	101.80	0.27	0.16	-91.19	-1.66	-79.85	79.87	79.44	0.43	187.153		
200.00	200.00	201.60	201.60	0.63	0.31	-90.85	-1.20	-80.23	80.24	79.30	0.94	85.369 ES		
300.00	299.98	301.21	301.21	0.98	0.64	-160.44	-0.61	-80.94	82.59	80.97	1.62	50.829		
400.00	399.84	401.01	400.99	1.34	1.00	-161.20	-0.11	-81.90	88.49	86.15	2.34	37.793		
500.00	499.45	500.40	500.38	1.71	1.35	-162.58	0.22	-83.00	97.85	94.80	3.06	31.983		
600.00	598.70	601.13	601.10	2.10	1.70	-164.42	0.27	-83.03	109.57	105.80	3.77	29.079		
700.00	697.47	695.44	695.35	2.51	2.02	-167.44	-2.59	-84.20	126.32	121.85	4.47	28.289		
800.00	795.62	792.34	792.10	2.95	2.36	-170.61	-7.22	-86.90	148.55	143.38	5.17	28.708		
900.00	893.06	889.28	888.93	3.43	2.71	-172.95	-11.31	-89.42	174.18	168.29	5.89	29.572		
1,000.00	989.64	980.80	980.26	3.95	3.04	-175.02	-16.46	-92.32	204.26	197.67	6.59	30.999		
1,100.00	1,085.27	1,068.68	1,067.69	4.52	3.37	-177.23	-24.35	-96.20	239.91	232.64	7.27	32.983		
1,200.00	1,179.82	1,152.63	1,150.82	5.14	3.69	-179.44	-34.92	-101.03	281.36	273.42	7.94	35.430		
1,300.00	1,273.17	1,233.71	1,230.66	5.81	4.03	178.45	-47.90	-106.66	328.39	319.79	8.60	38.185		
1,400.00	1,365.21	1,310.41	1,305.70	6.54	4.36	176.52	-62.53	-112.77	380.67	371.43	9.24	41.200		
1,500.00	1,455.84	1,381.88	1,375.15	7.33	4.69	174.84	-77.99	-119.37	438.03	428.18	9.85	44.468		
1,600.00	1,544.94	1,448.46	1,439.39	8.19	5.01	173.38	-93.97	-126.55	500.37	489.94	10.43	47.961		
1,700.00	1,632.39	1,516.34	1,504.52	9.12	5.36	172.03	-111.35	-134.59	566.84	555.79	11.05	51.307		
1,800.00	1,718.11	1,588.02	1,573.11	10.11	5.74	170.77	-130.20	-143.40	636.50	624.79	11.72	54.318		
1,900.00	1,801.97	1,661.20	1,643.26	11.18	6.13	169.71	-149.07	-152.21	708.33	695.91	12.42	57.039		
1,969.27	1,858.92	1,699.84	1,680.27	11.96	6.34	169.12	-159.15	-156.87	759.56	746.76	12.80	59.329		
2,000.00	1,883.98	1,715.81	1,695.51	12.31	6.43	168.99	-163.51	-158.84	782.72	769.76	12.96	60.383		
2,100.00	1,965.50	1,768.23	1,745.26	13.48	6.73	168.55	-178.59	-165.53	858.83	845.35	13.48	63.722		
2,200.00	2,047.03	1,840.18	1,813.35	14.65	7.16	167.95	-200.07	-174.42	935.11	920.90	14.21	65.805		
2,300.00	2,128.56	1,917.73	1,886.85	15.84	7.62	167.39	-223.20	-183.12	1,010.78	995.77	15.01	67.331		
2,400.00	2,210.09	2,003.98	1,968.98	17.03	8.12	166.88	-248.12	-191.78	1,085.47	1,069.56	15.91	68.241		
2,500.00	2,291.61	2,076.56	2,038.49	18.23	8.54	166.57	-267.88	-198.43	1,159.03	1,142.36	16.67	69.536		
2,600.00	2,373.14	2,129.66	2,089.39	19.44	8.85	166.42	-281.92	-204.02	1,233.12	1,215.89	17.23	71.563		
2,700.00	2,454.67	2,206.44	2,163.07	20.64	9.29	166.29	-301.64	-212.85	1,307.53	1,289.50	18.03	72.515		
2,800.00	2,536.20	2,266.00	2,220.39	21.86	9.63	166.21	-316.43	-219.49	1,381.43	1,362.77	18.66	74.035		
2,900.00	2,617.72	2,307.62	2,260.32	23.07	9.88	166.18	-326.90	-224.80	1,456.36	1,437.26	19.10	76.230		
3,000.00	2,699.25	2,353.81	2,304.47	24.29	10.15	166.16	-338.72	-231.45	1,532.36	1,512.77	19.60	78.197		
3,100.00	2,780.78	2,410.74	2,358.77	25.50	10.49	166.13	-353.54	-239.93	1,608.84	1,588.64	20.20	79.643		
3,200.00	2,862.31	2,470.35	2,415.55	26.73	10.86	166.09	-369.32	-248.94	1,685.58	1,664.74	20.84	80.891		
3,300.00	2,943.83	2,536.37	2,478.37	27.95	11.26	166.04	-387.01	-258.90	1,762.43	1,740.89	21.55	81.802		
3,400.00	3,025.36	2,603.74	2,543.20	29.17	12.02	165.97	-419.88	-276.22	1,838.12	1,815.24	22.89	80.315		
3,500.00	3,106.89	2,742.41	2,676.01	30.40	12.48	165.95	-438.73	-285.45	1,911.95	1,888.24	23.72	80.612		
3,600.00	3,188.42	2,781.29	2,713.42	31.62	12.71	165.95	-448.08	-290.41	1,986.50	1,962.35	24.15	82.263		
3,700.00	3,269.94	2,812.00	2,742.89	32.85	12.89	165.96	-455.60	-294.70	2,061.99	2,037.50	24.49	84.194		
3,800.00	3,351.47	2,864.66	2,793.20	34.07	13.21	165.94	-469.12	-302.35	2,138.16	2,113.09	25.07	85.297		
3,900.00	3,433.00	2,959.73	2,883.77	35.30	13.79	165.86	-494.90	-315.34	2,214.37	2,188.28	26.10	84.854		
4,000.00	3,514.53	3,046.76	2,967.04	36.53	14.33	165.79	-517.82	-326.02	2,289.38	2,262.34	27.04	84.657		
4,100.00	3,596.05	3,099.00	3,016.85	37.76	14.64	165.73	-532.18	-332.48	2,364.86	2,337.23	27.63	85.593		
4,200.00	3,677.58	3,143.30	3,058.95	38.99	14.92	165.67	-544.80	-338.04	2,440.78	2,412.64	28.14	86.740		
4,300.00	3,759.11	3,255.82	3,166.19	40.22	15.62	165.53	-576.32	-350.95	2,515.96	2,486.58	29.38	85.643		
4,400.00	3,840.64	3,345.27	3,251.89	41.45	16.16	165.44	-600.10	-360.41	2,590.09	2,559.73	30.36	85.313		
4,500.00	3,922.16	3,386.00	3,290.90	42.68	16.40	165.41	-610.97	-364.76	2,664.45	2,633.61	30.83	86.415		
4,600.00	4,003.69	3,423.23	3,326.44	43.91	16.64	165.37	-621.22	-368.98	2,739.50	2,708.23	31.27	87.600		
4,700.00	4,085.22	3,453.64	3,355.34	45.15	16.83	165.34	-629.89	-372.71	2,815.40	2,783.76	31.64	88.990		
4,800.00	4,166.75	3,590.52	3,485.52	46.38	17.69	165.22	-668.49	-389.94	2,891.86	2,858.72	33.14	87.257		
4,900.00	4,248.27	3,671.14	3,562.87	47.61	18.17	165.19	-689.38	-398.93	2,966.10	2,932.07	34.03	87.160		
5,000.00	4,329.80	3,727.72	3,617.09	48.84	18.52	165.15	-704.33	-405.00	3,040.38	3,005.70	34.68	87.677		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 3-T4N-R68W - JESSER 3E-10-15N - ORIGINAL WELLBORE - WB #1 - PATT 901		Offset Site Error:		0.00 usft	
Survey Program: 215-MWD OWSG													Offset Well Error:		0.00 usft			
Reference		Offset		Semi Major Axis			Distance							Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor						
5,100.00	4,411.33	3,768.00	3,655.52	50.08	18.76	165.11	-715.61	-409.31	3,115.21	3,080.05	35.15	88.618						
5,200.00	4,492.86	3,822.81	3,707.66	51.31	19.11	165.05	-731.45	-415.24	3,190.43	3,154.63	35.79	89.132						
5,300.00	4,574.38	3,888.22	3,769.77	52.54	19.52	164.97	-750.66	-422.43	3,265.91	3,229.36	36.55	89.349						
5,400.00	4,655.91	3,959.00	3,837.10	53.78	19.97	164.89	-771.20	-429.82	3,340.94	3,303.57	37.37	89.400						
5,500.00	4,737.44	10,378.00	6,966.05	55.01	90.41	126.56	-1,600.47	2,669.54	3,355.55	3,246.80	108.75	30.854						
5,600.00	4,818.97	10,378.00	6,966.05	56.24	90.41	126.56	-1,600.47	2,669.54	3,313.54	3,201.94	111.60	29.692						
5,700.00	4,900.49	10,420.50	6,966.20	57.48	91.48	125.93	-1,596.57	2,711.85	3,273.30	3,158.06	115.24	28.404						
5,800.00	4,982.02	10,441.07	6,966.10	58.71	92.00	125.61	-1,595.24	2,732.38	3,235.49	3,116.96	118.53	27.296						
5,900.00	5,063.55	10,473.00	6,965.73	59.95	92.81	125.11	-1,593.90	2,764.28	3,200.07	3,077.98	122.09	26.210						
6,000.00	5,145.08	10,473.00	6,965.73	61.18	92.81	125.11	-1,593.90	2,764.28	3,166.98	3,041.99	124.99	25.338						
6,100.00	5,226.60	10,519.49	6,964.72	62.42	94.00	124.38	-1,593.03	2,810.75	3,136.17	3,007.23	128.94	24.323						
6,200.00	5,308.13	10,569.00	6,963.04	63.65	95.27	123.58	-1,593.06	2,860.23	3,107.86	2,974.85	133.01	23.365						
6,300.00	5,389.66	10,584.58	6,962.43	64.89	95.68	123.32	-1,593.23	2,875.80	3,081.84	2,945.57	136.27	22.616						
6,400.00	5,471.19	10,620.75	6,961.15	66.12	96.61	122.73	-1,593.70	2,911.94	3,058.37	2,918.35	140.02	21.843						
6,500.00	5,552.72	10,664.00	6,959.87	67.36	97.73	122.02	-1,594.38	2,955.17	3,037.40	2,893.46	143.94	21.102						
6,600.00	5,634.24	10,699.87	6,958.94	68.59	98.67	121.44	-1,595.03	2,991.02	3,018.91	2,871.28	147.63	20.449						
6,700.00	5,715.77	10,743.57	6,957.89	69.83	99.80	120.72	-1,595.91	3,034.70	3,002.90	2,851.39	151.51	19.820						
6,800.00	5,797.30	10,782.79	6,957.03	71.06	100.82	120.08	-1,596.79	3,073.90	2,989.41	2,834.20	155.21	19.260						
6,900.00	5,878.83	10,819.88	6,956.39	72.30	101.79	119.47	-1,597.76	3,110.97	2,978.57	2,819.77	158.80	18.757						
7,000.00	5,960.35	10,858.96	6,955.91	73.53	102.81	118.82	-1,598.92	3,150.03	2,970.39	2,808.03	162.36	18.295						
7,100.00	6,041.88	10,923.50	6,956.14	74.77	104.49	117.78	-1,600.50	3,214.55	2,964.63	2,798.04	166.59	17.796						
7,200.00	6,123.41	10,986.07	6,957.47	76.01	106.13	116.77	-1,601.44	3,277.10	2,961.02	2,790.36	170.67	17.350						
7,300.00	6,204.94	11,042.88	6,958.03	77.24	107.61	115.85	-1,602.41	3,333.89	2,959.70	2,785.18	174.51	16.960						
7,306.71	6,210.41	11,046.60	6,958.04	77.32	107.71	115.79	-1,602.48	3,337.62	2,959.69	2,784.92	174.77	16.935						
7,400.00	6,286.46	11,095.92	6,958.19	78.48	109.00	114.99	-1,603.41	3,386.92	2,960.74	2,782.58	178.16	16.618						
7,500.00	6,367.99	11,156.66	6,958.47	79.71	110.59	114.00	-1,604.53	3,447.66	2,964.18	2,782.24	181.94	16.292						
7,600.00	6,449.52	11,249.60	6,958.87	80.95	113.03	112.49	-1,605.37	3,540.59	2,969.44	2,782.85	186.59	15.914						
7,700.00	6,531.05	11,306.05	6,959.28	82.19	114.51	111.58	-1,605.52	3,597.04	2,976.76	2,786.74	190.03	15.665						
7,800.00	6,612.57	11,365.52	6,959.80	83.42	116.07	110.62	-1,605.60	3,656.50	2,986.35	2,792.92	193.43	15.439						
7,900.00	6,694.10	11,424.50	6,959.43	84.66	117.62	109.67	-1,605.67	3,715.48	2,998.16	2,801.45	196.71	15.242						
8,000.00	6,775.63	11,579.60	6,961.27	85.89	121.68	107.20	-1,602.30	3,870.51	3,010.69	2,807.99	202.70	14.853						
8,100.00	6,857.16	11,650.52	6,962.71	87.13	123.53	106.08	-1,599.67	3,941.37	3,024.99	2,818.93	206.06	14.680						
8,200.00	6,938.68	11,732.86	6,963.70	88.37	125.68	104.79	-1,596.15	4,023.62	3,041.16	2,831.55	209.61	14.509						
8,300.00	7,020.21	11,835.92	6,964.74	89.60	128.37	103.17	-1,590.21	4,126.51	3,058.53	2,844.94	213.59	14.320						
8,310.57	7,028.83	11,841.88	6,964.80	89.73	128.52	103.08	-1,589.84	4,132.45	3,060.47	2,846.60	213.87	14.310						
8,350.00	7,060.23	11,865.17	6,965.05	90.25	129.13	99.95	-1,588.36	4,155.70	3,067.63	2,852.69	214.94	14.272						
8,400.00	7,097.77	11,897.76	6,965.39	90.98	129.98	96.56	-1,586.30	4,188.22	3,076.30	2,859.86	216.44	14.213						
8,450.00	7,132.48	11,900.00	6,965.41	91.79	130.04	94.11	-1,586.16	4,190.45	3,084.55	2,867.39	217.16	14.204						
8,500.00	7,164.10	11,900.00	6,965.41	92.67	130.04	92.07	-1,586.16	4,190.45	3,092.50	2,874.66	217.84	14.196						
8,550.00	7,192.40	11,900.00	6,965.41	93.63	130.04	90.33	-1,586.16	4,190.45	3,100.10	2,881.55	218.55	14.185						
8,600.00	7,217.15	11,900.00	6,965.41	94.64	130.04	88.85	-1,586.16	4,190.45	3,107.30	2,888.02	219.28	14.171						
8,650.00	7,238.16	11,900.00	6,965.41	95.70	130.04	87.58	-1,586.16	4,190.45	3,114.04	2,894.02	220.01	14.154						
8,700.00	7,255.29	11,900.00	6,965.41	96.80	130.04	86.52	-1,586.16	4,190.45	3,120.27	2,899.52	220.75	14.135						
8,750.00	7,268.39	11,900.00	6,965.41	97.92	130.04	85.64	-1,586.16	4,190.45	3,125.95	2,904.47	221.48	14.114						
8,800.00	7,277.37	11,900.00	6,965.41	99.06	130.04	84.93	-1,586.16	4,190.45	3,131.05	2,908.85	222.20	14.091						
8,850.00	7,282.15	11,900.00	6,965.41	100.20	130.04	84.39	-1,586.16	4,190.45	3,135.52	2,912.63	222.89	14.068						
8,881.61	7,283.00	11,900.00	6,965.41	100.91	130.04	84.14	-1,586.16	4,190.45	3,138.01	2,914.70	223.30	14.053						
8,900.00	7,283.00	11,900.00	6,965.41	101.33	130.04	84.14	-1,586.16	4,190.45	3,139.43	2,915.89	223.54	14.044						
9,000.00	7,283.00	11,900.00	6,965.41	103.59	130.04	84.14	-1,586.16	4,190.45	3,149.04	2,924.33	224.71	14.014						
9,100.00	7,283.00	11,900.00	6,965.41	105.87	130.04	84.14	-1,586.16	4,190.45	3,161.78	2,936.11	225.68	14.010 SF						
9,200.00	7,283.00	11,900.00	6,965.41	108.18	130.04	84.14	-1,586.16	4,190.45	3,177.62	2,951.17	226.45	14.032						
9,300.00	7,283.00	11,900.00	6,965.41	110.50	130.04	84.14	-1,586.16	4,190.45	3,196.51	2,969.48	227.03	14.079						

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 215-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,400.00	7,283.00	11,900.00	6,965.41	112.84	130.04	84.14	-1,586.16	4,190.45	3,218.40	2,990.97	227.43	14.151		
9,500.00	7,283.00	11,900.00	6,965.41	115.19	130.04	84.14	-1,586.16	4,190.45	3,243.23	3,015.59	227.65	14.247		
9,600.00	7,283.00	11,900.00	6,965.41	117.56	130.04	84.14	-1,586.16	4,190.45	3,270.93	3,043.24	227.69	14.366		
9,700.00	7,283.00	11,900.00	6,965.41	119.95	130.04	84.14	-1,586.16	4,190.45	3,301.42	3,073.86	227.56	14.508		
9,800.00	7,283.00	11,900.00	6,965.41	122.34	130.04	84.14	-1,586.16	4,190.45	3,334.64	3,107.36	227.28	14.672		
9,900.00	7,283.00	11,900.00	6,965.41	124.76	130.04	84.14	-1,586.16	4,190.45	3,370.50	3,143.64	226.85	14.858		
10,000.00	7,283.00	11,900.00	6,965.41	127.18	130.04	84.14	-1,586.16	4,190.45	3,408.91	3,182.62	226.29	15.064		
10,100.00	7,283.00	11,900.00	6,965.41	129.61	130.04	84.14	-1,586.16	4,190.45	3,449.80	3,224.19	225.60	15.292		
10,200.00	7,283.00	11,900.00	6,965.41	132.06	130.04	84.14	-1,586.16	4,190.45	3,493.07	3,268.27	224.80	15.539		
10,300.00	7,283.00	11,900.00	6,965.41	134.52	130.04	84.14	-1,586.16	4,190.45	3,538.64	3,314.75	223.89	15.805		
10,400.00	7,283.00	11,900.00	6,965.41	136.98	130.04	84.14	-1,586.16	4,190.45	3,586.41	3,363.53	222.89	16.091		
10,500.00	7,283.00	11,900.00	6,965.41	139.46	130.04	84.14	-1,586.16	4,190.45	3,636.31	3,414.51	221.80	16.394		
10,600.00	7,283.00	11,900.00	6,965.41	141.94	130.04	84.14	-1,586.16	4,190.45	3,688.25	3,467.61	220.64	16.716		
10,700.00	7,283.00	11,900.00	6,965.41	144.44	130.04	84.14	-1,586.16	4,190.45	3,742.14	3,522.72	219.42	17.055		
10,800.00	7,283.00	11,900.00	6,965.41	146.94	130.04	84.14	-1,586.16	4,190.45	3,797.90	3,579.76	218.14	17.410		
10,900.00	7,283.00	11,900.00	6,965.41	149.45	130.04	84.14	-1,586.16	4,190.45	3,855.45	3,638.63	216.82	17.782		
11,000.00	7,283.00	11,900.00	6,965.41	151.96	130.04	84.14	-1,586.16	4,190.45	3,914.70	3,699.25	215.46	18.169		
11,100.00	7,283.00	11,900.00	6,965.41	154.49	130.04	84.14	-1,586.16	4,190.45	3,975.59	3,761.53	214.06	18.572		
11,200.00	7,283.00	11,900.00	6,965.41	157.01	130.04	84.14	-1,586.16	4,190.45	4,038.04	3,825.40	212.64	18.990		
11,300.00	7,283.00	11,900.00	6,965.41	159.55	130.04	84.14	-1,586.16	4,190.45	4,101.97	3,890.77	211.20	19.422		
11,400.00	7,283.00	11,900.00	6,965.41	162.09	130.04	84.14	-1,586.16	4,190.45	4,167.32	3,957.58	209.75	19.868		
11,500.00	7,283.00	11,900.00	6,965.41	164.64	130.04	84.14	-1,586.16	4,190.45	4,234.03	4,025.74	208.29	20.328		
11,600.00	7,283.00	11,900.00	6,965.41	167.19	130.04	84.14	-1,586.16	4,190.45	4,302.03	4,095.20	206.82	20.801		
11,700.00	7,283.00	11,900.00	6,965.41	169.75	130.04	84.14	-1,586.16	4,190.45	4,371.25	4,165.90	205.36	21.286		
11,800.00	7,283.00	11,900.00	6,965.41	172.31	130.04	84.14	-1,586.16	4,190.45	4,441.65	4,237.76	203.90	21.784		
11,900.00	7,283.00	11,900.00	6,965.41	174.88	130.04	84.14	-1,586.16	4,190.45	4,513.17	4,310.73	202.44	22.294		
12,000.00	7,283.00	11,900.00	6,965.41	177.45	130.04	84.14	-1,586.16	4,190.45	4,585.75	4,384.76	201.00	22.815		
12,100.00	7,283.00	11,900.00	6,965.41	180.03	130.04	84.14	-1,586.16	4,190.45	4,659.35	4,459.79	199.56	23.348		
12,200.00	7,283.00	11,900.00	6,965.41	182.61	130.04	84.14	-1,586.16	4,190.45	4,733.92	4,535.77	198.15	23.891		
12,300.00	7,283.00	11,900.00	6,965.41	185.19	130.04	84.14	-1,586.16	4,190.45	4,809.41	4,612.66	196.74	24.445		
12,400.00	7,283.00	11,900.00	6,965.41	187.78	130.04	84.14	-1,586.16	4,190.45	4,885.78	4,690.42	195.36	25.009		
12,500.00	7,283.00	11,900.00	6,965.41	190.37	130.04	84.14	-1,586.16	4,190.45	4,962.99	4,768.99	193.99	25.583		
12,600.00	7,283.00	11,900.00	6,965.41	192.97	130.04	84.14	-1,586.16	4,190.45	5,041.00	4,848.35	192.65	26.167		
12,700.00	7,283.00	11,900.00	6,965.41	195.57	130.04	84.14	-1,586.16	4,190.45	5,119.77	4,928.45	191.32	26.760		
12,800.00	7,283.00	11,900.00	6,965.41	198.17	130.04	84.14	-1,586.16	4,190.45	5,199.28	5,009.26	190.02	27.362		
12,900.00	7,283.00	11,900.00	6,965.41	200.77	130.04	84.14	-1,586.16	4,190.45	5,279.48	5,090.74	188.74	27.972		
13,000.00	7,283.00	11,900.00	6,965.41	203.38	130.04	84.14	-1,586.16	4,190.45	5,360.35	5,172.87	187.48	28.591		
13,100.00	7,283.00	11,900.00	6,965.41	205.99	130.04	84.14	-1,586.16	4,190.45	5,441.85	5,255.61	186.25	29.218		
13,200.00	7,283.00	11,900.00	6,965.41	208.61	130.04	84.14	-1,586.16	4,190.45	5,523.97	5,338.93	185.04	29.853		
13,300.00	7,283.00	11,900.00	6,965.41	211.22	130.04	84.14	-1,586.16	4,190.45	5,606.66	5,422.81	183.85	30.496		
13,400.00	7,283.00	11,900.00	6,965.41	213.84	130.04	84.14	-1,586.16	4,190.45	5,689.91	5,507.22	182.68	31.146		
13,500.00	7,283.00	11,900.00	6,965.41	216.47	130.04	84.14	-1,586.16	4,190.45	5,773.69	5,592.14	181.54	31.803		
13,600.00	7,283.00	11,900.00	6,965.41	219.09	130.04	84.14	-1,586.16	4,190.45	5,857.98	5,677.55	180.43	32.467		
13,700.00	7,283.00	11,900.00	6,965.41	221.72	130.04	84.14	-1,586.16	4,190.45	5,942.75	5,763.42	179.33	33.138		
13,800.00	7,283.00	11,900.00	6,965.41	224.34	130.04	84.14	-1,586.16	4,190.45	6,028.00	5,849.73	178.26	33.815		
13,900.00	7,283.00	11,900.00	6,965.41	226.97	130.04	84.14	-1,586.16	4,190.45	6,113.69	5,936.47	177.21	34.499		
14,000.00	7,283.00	11,900.00	6,965.41	229.61	130.04	84.14	-1,586.16	4,190.45	6,199.81	6,023.62	176.19	35.188		
14,100.00	7,283.00	11,900.00	6,965.41	232.24	130.04	84.14	-1,586.16	4,190.45	6,286.34	6,111.15	175.19	35.884		
14,200.00	7,283.00	11,900.00	6,965.41	234.88	130.04	84.14	-1,586.16	4,190.45	6,373.26	6,199.05	174.20	36.585		
14,300.00	7,283.00	11,900.00	6,965.41	237.52	130.04	84.14	-1,586.16	4,190.45	6,460.56	6,287.32	173.25	37.291		
14,400.00	7,283.00	11,900.00	6,965.41	240.16	130.04	84.14	-1,586.16	4,190.45	6,548.23	6,375.92	172.31	38.003		
14,500.00	7,283.00	11,900.00	6,965.41	242.80	130.04	84.14	-1,586.16	4,190.45	6,636.24	6,464.85	171.39	38.720		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 215-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,600.00	7,283.00	11,900.00	6,965.41	245.44	130.04	84.14	-1,586.16	4,190.45	6,724.59	6,554.10	170.49	39.442		
14,700.00	7,283.00	11,900.00	6,965.41	248.09	130.04	84.14	-1,586.16	4,190.45	6,813.26	6,643.65	169.62	40.169		
14,800.00	7,283.00	11,900.00	6,965.41	250.74	130.04	84.14	-1,586.16	4,190.45	6,902.24	6,733.49	168.76	40.900		
14,900.00	7,283.00	11,900.00	6,965.41	253.38	130.04	84.14	-1,586.16	4,190.45	6,991.52	6,823.60	167.92	41.636		
15,000.00	7,283.00	11,900.00	6,965.41	256.03	130.04	84.14	-1,586.16	4,190.45	7,081.09	6,913.99	167.10	42.376		
15,100.00	7,283.00	11,900.00	6,965.41	258.69	130.04	84.14	-1,586.16	4,190.45	7,170.93	7,004.63	166.30	43.120		
15,200.00	7,283.00	11,900.00	6,965.41	261.34	130.04	84.14	-1,586.16	4,190.45	7,261.04	7,095.52	165.52	43.869		
15,300.00	7,283.00	11,900.00	6,965.41	263.99	130.04	84.14	-1,586.16	4,190.45	7,351.40	7,186.65	164.75	44.621		
15,400.00	7,283.00	11,900.00	6,965.41	266.65	130.04	84.14	-1,586.16	4,190.45	7,442.01	7,278.01	164.00	45.377		
15,500.00	7,283.00	11,900.00	6,965.41	269.31	130.04	84.14	-1,586.16	4,190.45	7,532.86	7,369.58	163.27	46.136		
15,600.00	7,283.00	11,900.00	6,965.41	271.96	130.04	84.14	-1,586.16	4,190.45	7,623.93	7,461.37	162.56	46.900		
15,700.00	7,283.00	11,900.00	6,965.41	274.62	130.04	84.14	-1,586.16	4,190.45	7,715.23	7,553.37	161.86	47.666		
15,800.00	7,283.00	11,900.00	6,965.41	277.28	130.04	84.14	-1,586.16	4,190.45	7,806.74	7,645.56	161.18	48.436		
15,900.00	7,283.00	11,900.00	6,965.41	279.94	130.04	84.14	-1,586.16	4,190.45	7,898.46	7,737.95	160.51	49.209		
16,000.00	7,283.00	11,900.00	6,965.41	282.61	130.04	84.14	-1,586.16	4,190.45	7,990.37	7,830.52	159.86	49.984		
16,100.00	7,283.00	11,900.00	6,965.41	285.27	130.04	84.14	-1,586.16	4,190.45	8,082.48	7,923.26	159.22	50.763		
16,200.00	7,283.00	11,900.00	6,965.41	287.94	130.04	84.14	-1,586.16	4,190.45	8,174.77	8,016.18	158.60	51.545		
16,300.00	7,283.00	11,900.00	6,965.41	290.60	130.04	84.14	-1,586.16	4,190.45	8,267.24	8,109.26	157.99	52.329		
16,400.00	7,283.00	11,900.00	6,965.41	293.27	130.04	84.14	-1,586.16	4,190.45	8,359.89	8,202.50	157.39	53.116		
16,500.00	7,283.00	11,900.00	6,965.41	295.94	130.04	84.14	-1,586.16	4,190.45	8,452.70	8,295.90	156.81	53.905		
16,600.00	7,283.00	11,900.00	6,965.41	298.60	130.04	84.14	-1,586.16	4,190.45	8,545.68	8,389.44	156.24	54.697		
16,700.00	7,283.00	11,900.00	6,965.41	301.27	130.04	84.14	-1,586.16	4,190.45	8,638.81	8,483.13	155.68	55.491		
16,800.00	7,283.00	11,900.00	6,965.41	303.94	130.04	84.14	-1,586.16	4,190.45	8,732.09	8,576.96	155.13	56.288		
16,900.00	7,283.00	11,900.00	6,965.41	306.62	130.04	84.14	-1,586.16	4,190.45	8,825.52	8,670.92	154.60	57.086		
17,000.00	7,283.00	11,900.00	6,965.41	309.29	130.04	84.14	-1,586.16	4,190.45	8,919.10	8,765.02	154.08	57.887		
17,100.00	7,283.00	11,900.00	6,965.41	311.96	130.04	84.14	-1,586.16	4,190.45	9,012.81	8,859.24	153.57	58.689		
17,200.00	7,283.00	11,900.00	6,965.41	314.63	130.04	84.14	-1,586.16	4,190.45	9,106.65	8,953.58	153.07	59.494		
17,300.00	7,283.00	11,900.00	6,965.41	317.31	130.04	84.14	-1,586.16	4,190.45	9,200.63	9,048.05	152.58	60.300		
17,400.00	7,283.00	11,900.00	6,965.41	319.98	130.04	84.14	-1,586.16	4,190.45	9,294.73	9,142.63	152.10	61.108		
17,500.00	7,283.00	11,900.00	6,965.41	322.66	130.04	84.14	-1,586.16	4,190.45	9,388.95	9,237.32	151.64	61.918		
17,600.00	7,283.00	11,900.00	6,965.41	325.34	130.04	84.14	-1,586.16	4,190.45	9,483.29	9,332.11	151.18	62.729		
17,700.00	7,283.00	11,900.00	6,965.41	328.01	130.04	84.14	-1,586.16	4,190.45	9,577.75	9,427.02	150.73	63.542		
17,800.00	7,283.00	11,900.00	6,965.41	330.69	130.04	84.14	-1,586.16	4,190.45	9,672.31	9,522.02	150.29	64.356		
17,900.00	7,283.00	11,900.00	6,965.41	333.37	130.04	84.14	-1,586.16	4,190.45	9,766.99	9,617.12	149.87	65.172		
18,000.00	7,283.00	11,900.00	6,965.41	336.05	130.04	84.14	-1,586.16	4,190.45	9,861.77	9,712.32	149.45	65.989		
18,100.00	7,283.00	11,900.00	6,965.41	338.73	130.04	84.14	-1,586.16	4,190.45	9,956.65	9,807.62	149.04	66.807		
18,200.00	7,283.00	11,900.00	6,965.41	341.41	130.04	84.14	-1,586.16	4,190.45	10,051.63	9,903.00	148.63	67.627		
18,300.00	7,283.00	11,900.00	6,965.41	344.09	130.04	84.14	-1,586.16	4,190.45	10,146.71	9,998.47	148.24	68.447		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 215-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	1.99	1.99	0.00	0.00	-91.75	-1.82	-59.65	59.68				
100.00	100.00	101.71	101.71	0.27	0.16	-91.66	-1.73	-59.90	59.92	59.50	0.43	140.374 ES	
200.00	200.00	201.43	201.43	0.63	0.31	-91.40	-1.48	-60.61	60.64	59.70	0.94	64.506	
300.00	299.98	301.06	301.05	0.98	0.64	-161.16	-1.13	-61.82	63.49	61.86	1.63	39.055	
400.00	399.84	400.85	400.83	1.34	1.00	-162.16	-0.74	-63.30	69.93	67.58	2.34	29.844	
500.00	499.45	500.31	500.28	1.71	1.36	-163.67	-0.32	-64.77	79.70	76.64	3.06	26.019	
600.00	598.70	599.09	599.04	2.10	1.71	-165.49	-0.10	-66.48	93.14	89.36	3.78	24.616	
700.00	697.47	698.58	698.52	2.51	2.06	-167.79	-0.80	-67.64	109.61	105.11	4.50	24.351	
800.00	795.62	796.26	796.19	2.95	2.41	-169.97	-1.94	-68.29	129.18	123.97	5.21	24.772	
900.00	893.06	890.53	890.40	3.43	2.74	-172.37	-4.95	-69.62	153.41	147.48	5.92	25.907	
1,000.00	989.64	982.57	982.22	3.95	3.07	-174.99	-10.65	-72.09	183.13	176.50	6.62	27.660	
1,100.00	1,085.27	1,073.79	1,073.04	4.52	3.40	-177.54	-18.67	-75.15	217.80	210.48	7.32	29.754	
1,200.00	1,179.82	1,161.27	1,159.84	5.14	3.73	-179.95	-28.97	-78.49	257.38	249.37	8.01	32.146	
1,300.00	1,273.17	1,248.01	1,245.58	5.81	4.08	177.76	-41.61	-82.02	301.61	292.91	8.70	34.662	
1,400.00	1,365.21	1,327.91	1,324.25	6.54	4.40	175.84	-55.09	-85.71	350.53	341.17	9.37	37.429	
1,500.00	1,455.84	1,403.08	1,397.92	7.33	4.73	174.24	-69.29	-90.26	404.54	394.54	10.01	40.433	
1,600.00	1,544.94	1,474.27	1,467.40	8.19	5.05	172.92	-83.80	-95.79	463.43	452.81	10.63	43.611	
1,700.00	1,632.39	1,542.36	1,533.43	9.12	5.37	171.69	-99.31	-101.76	526.78	515.55	11.24	46.886	
1,800.00	1,718.11	1,617.56	1,606.14	10.11	5.74	170.48	-117.25	-108.54	593.42	581.49	11.93	49.728	
1,900.00	1,801.97	1,686.40	1,672.71	11.18	6.08	169.50	-133.69	-114.67	662.60	650.02	12.59	52.637	
1,969.27	1,858.92	1,726.07	1,710.97	11.96	6.29	168.93	-143.41	-118.54	712.49	699.51	12.98	54.896	
2,000.00	1,883.98	1,743.14	1,727.39	12.31	6.38	168.81	-147.68	-120.33	735.06	721.91	13.15	55.908	
2,100.00	1,965.50	1,797.35	1,779.44	13.48	6.67	168.48	-161.56	-126.47	809.25	795.58	13.67	59.191	
2,200.00	2,047.03	1,857.00	1,836.44	14.65	6.99	168.15	-177.41	-134.05	884.56	870.31	14.26	62.050	
2,300.00	2,128.56	1,892.47	1,870.14	15.84	7.20	167.97	-187.26	-139.08	961.05	946.45	14.60	65.823	
2,400.00	2,210.09	1,931.72	1,907.15	17.03	7.43	167.76	-198.77	-145.26	1,039.09	1,024.11	14.98	69.347	
2,500.00	2,291.61	1,973.62	1,946.34	18.23	7.68	167.54	-211.70	-152.49	1,118.48	1,103.08	15.40	72.615	
2,600.00	2,373.14	2,020.25	1,989.70	19.44	7.98	167.28	-226.70	-160.83	1,198.67	1,182.78	15.88	75.465	
2,700.00	2,454.67	2,078.43	2,043.53	20.64	8.35	166.96	-246.09	-171.39	1,279.40	1,262.90	16.51	77.515	
2,800.00	2,536.20	2,158.81	2,118.10	21.86	8.88	166.55	-272.76	-185.10	1,359.53	1,342.14	17.39	78.184	
2,900.00	2,617.72	2,213.69	2,168.90	23.07	9.25	166.24	-291.65	-193.77	1,439.42	1,421.42	18.00	79.975	
3,000.00	2,699.25	2,308.48	2,256.44	24.29	9.90	165.66	-325.47	-207.07	1,518.95	1,499.86	19.08	79.596	
3,100.00	2,780.78	2,390.72	2,332.78	25.50	10.45	165.18	-354.55	-216.56	1,596.89	1,576.86	20.03	79.715	
3,200.00	2,862.31	2,457.04	2,394.35	26.73	10.90	164.81	-378.15	-223.65	1,674.53	1,653.73	20.81	80.485	
3,300.00	2,943.83	2,517.42	2,450.33	27.95	11.32	164.49	-399.90	-229.95	1,752.22	1,730.70	21.52	81.434	
3,400.00	3,025.36	2,609.50	2,535.88	29.17	11.94	164.05	-432.69	-239.10	1,829.54	1,806.94	22.60	80.940	
3,500.00	3,106.89	2,703.65	2,624.25	30.40	12.57	163.72	-464.06	-247.44	1,905.20	1,881.50	23.70	80.383	
3,600.00	3,188.42	2,789.82	2,705.75	31.62	13.12	163.52	-490.96	-255.11	1,980.17	1,955.47	24.69	80.199	
3,700.00	3,269.94	2,836.64	2,750.18	32.85	13.42	163.45	-504.94	-259.85	2,055.43	2,030.19	25.24	81.436	
3,800.00	3,351.47	2,873.82	2,785.32	34.07	13.66	163.40	-516.35	-263.97	2,131.52	2,105.84	25.68	83.000	
3,900.00	3,433.00	2,952.69	2,859.59	35.30	14.17	163.28	-541.22	-273.26	2,208.42	2,181.83	26.59	83.055	
4,000.00	3,514.53	3,064.37	2,965.74	36.53	14.88	163.18	-574.05	-284.52	2,283.18	2,255.33	27.85	81.985	
4,100.00	3,596.05	3,128.28	3,026.68	37.76	15.28	163.15	-592.13	-291.16	2,357.96	2,329.38	28.58	82.507	
4,200.00	3,677.58	3,195.00	3,090.37	38.99	15.69	163.14	-610.58	-298.48	2,432.82	2,403.48	29.34	82.924	
4,300.00	3,759.11	3,228.00	3,121.85	40.22	15.90	163.13	-619.73	-302.34	2,508.10	2,478.36	29.73	84.356	
4,400.00	3,840.64	3,261.65	3,153.82	41.45	16.11	163.13	-629.30	-306.59	2,584.18	2,554.05	30.13	85.765	
4,500.00	3,922.16	3,308.70	3,198.36	42.68	16.41	163.13	-643.05	-312.97	2,661.03	2,630.35	30.68	86.748	
4,600.00	4,003.69	3,408.05	3,292.69	43.91	17.05	163.12	-671.53	-325.75	2,737.24	2,705.44	31.79	86.093	
4,700.00	4,085.22	3,455.85	3,338.12	45.15	17.36	163.12	-684.97	-332.04	2,813.50	2,781.16	32.35	86.982	
4,800.00	4,166.75	3,502.17	3,382.11	46.38	17.65	163.14	-697.97	-338.48	2,890.16	2,857.28	32.88	87.894	
4,900.00	4,248.27	3,546.89	3,424.45	47.61	17.94	163.14	-710.94	-344.75	2,967.23	2,933.83	33.40	88.829	
5,000.00	4,329.80	3,577.00	3,452.87	48.84	18.14	163.13	-719.94	-348.98	3,044.76	3,011.00	33.76	90.178	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T4N-R68W - JESSER 3E-10-16N - ORIGINAL WELLBORE - WB #1 - PATT 901													Offset Site Error:	0.00 usft
Survey Program: 215-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,411.33	3,617.81	3,491.22	50.08	18.42	163.11	-732.59	-354.83	3,122.82	3,088.56	34.25	91.169		
5,200.00	4,492.86	3,672.00	3,541.79	51.31	18.80	163.07	-750.29	-362.97	3,201.72	3,166.82	34.90	91.745		
5,300.00	4,574.38	3,672.00	3,541.79	52.54	18.80	163.07	-750.29	-362.97	3,280.86	3,245.94	34.92	93.966		
5,400.00	4,655.91	3,701.74	3,569.31	53.78	19.02	163.04	-760.58	-367.55	3,360.80	3,325.51	35.29	95.237		
5,500.00	4,737.44	3,726.20	3,591.78	55.01	19.20	163.00	-769.47	-371.34	3,441.36	3,405.76	35.60	96.671		
5,600.00	4,818.97	3,768.00	3,629.81	56.24	19.52	162.92	-785.56	-377.84	3,522.63	3,486.51	36.12	97.514		
5,700.00	4,900.49	3,780.63	3,641.22	57.48	19.62	162.89	-790.60	-379.79	3,604.23	3,567.94	36.29	99.307		
5,800.00	4,982.02	10,683.03	7,113.35	58.71	92.71	125.22	-1,954.77	2,707.12	3,609.86	3,489.28	120.59	29.936		
5,900.00	5,063.55	10,720.48	7,113.46	59.95	93.66	124.71	-1,953.11	2,744.53	3,577.02	3,452.96	124.06	28.833		
6,000.00	5,145.08	10,759.00	7,114.02	61.18	94.63	124.18	-1,951.33	2,783.01	3,546.09	3,418.52	127.57	27.797		
6,100.00	5,226.60	10,791.76	7,114.68	62.42	95.46	123.74	-1,949.92	2,815.73	3,517.15	3,386.17	130.98	26.852		
6,200.00	5,308.13	10,824.00	7,115.29	63.65	96.28	123.29	-1,948.82	2,847.95	3,490.32	3,355.93	134.39	25.971		
6,300.00	5,389.66	10,855.00	7,115.85	64.89	97.07	122.86	-1,948.03	2,878.93	3,465.64	3,327.86	137.78	25.153		
6,400.00	5,471.19	10,892.81	7,116.38	66.12	98.03	122.34	-1,947.42	2,916.74	3,443.13	3,301.80	141.34	24.361		
6,500.00	5,552.72	10,928.54	7,116.63	67.36	98.95	121.83	-1,947.21	2,952.46	3,422.81	3,277.97	144.84	23.632		
6,600.00	5,634.24	10,969.01	7,116.66	68.59	99.99	121.26	-1,947.35	2,992.93	3,404.72	3,256.28	148.45	22.935		
6,700.00	5,715.77	11,017.92	7,116.55	69.83	101.25	120.56	-1,947.71	3,041.84	3,388.75	3,236.49	152.26	22.256		
6,800.00	5,797.30	11,162.20	7,117.02	71.06	104.97	118.50	-1,946.33	3,186.10	3,374.01	3,215.52	158.49	21.289		
6,900.00	5,878.83	11,194.43	7,117.39	72.30	105.80	118.04	-1,945.58	3,218.32	3,360.83	3,198.99	161.85	20.766		
7,000.00	5,960.35	11,237.00	7,117.85	73.53	106.89	117.43	-1,944.99	3,260.88	3,350.09	3,184.66	165.42	20.252		
7,100.00	6,041.88	11,297.49	7,118.22	74.77	108.46	116.57	-1,944.32	3,321.36	3,341.50	3,172.07	169.43	19.722		
7,200.00	6,123.41	11,430.74	7,117.50	76.01	111.90	114.64	-1,941.34	3,454.57	3,334.27	3,158.96	175.31	19.019		
7,300.00	6,204.94	11,488.40	7,117.56	77.24	113.39	113.81	-1,939.17	3,512.19	3,328.37	3,149.21	179.16	18.578		
7,400.00	6,286.46	11,523.00	7,118.15	78.48	114.28	113.32	-1,937.66	3,546.75	3,324.53	3,142.20	182.33	18.233		
7,500.00	6,367.99	11,563.66	7,119.10	79.71	115.34	112.75	-1,936.05	3,587.37	3,323.02	3,137.45	185.58	17.907		
7,507.50	6,374.10	11,565.76	7,119.15	79.81	115.39	112.72	-1,935.98	3,589.46	3,323.02	3,137.23	185.79	17.886		
7,600.00	6,449.52	11,591.55	7,119.79	80.95	116.06	112.35	-1,935.25	3,615.23	3,324.10	3,135.71	188.39	17.645		
7,700.00	6,531.05	11,619.76	7,120.51	82.19	116.79	111.95	-1,934.68	3,643.43	3,327.71	3,136.61	191.10	17.414		
7,800.00	6,612.57	11,681.01	7,121.82	83.42	118.39	111.08	-1,933.71	3,704.66	3,333.55	3,138.90	194.65	17.126		
7,900.00	6,694.10	11,780.45	7,123.00	84.66	120.97	109.66	-1,931.31	3,804.06	3,340.80	3,141.61	199.19	16.772		
8,000.00	6,775.63	11,809.00	7,123.30	85.89	121.72	109.25	-1,930.51	3,832.60	3,350.07	3,148.44	201.63	16.615		
8,100.00	6,857.16	11,846.49	7,123.52	87.13	122.70	108.71	-1,929.48	3,870.08	3,361.47	3,157.26	204.21	16.461		
8,200.00	6,938.68	11,862.86	7,123.54	88.37	123.13	108.48	-1,929.35	3,886.44	3,375.75	3,169.70	206.05	16.383		
8,300.00	7,020.21	11,905.00	7,123.39	89.60	124.23	107.87	-1,929.87	3,928.58	3,392.99	3,184.46	208.53	16.271		
8,310.57	7,028.83	11,905.00	7,123.39	89.73	124.23	107.87	-1,929.87	3,928.58	3,394.89	3,186.24	208.65	16.271		
8,350.00	7,060.23	11,905.00	7,123.39	90.25	124.23	105.09	-1,929.87	3,928.58	3,402.08	3,192.98	209.10	16.270		
8,400.00	7,097.77	11,905.00	7,123.39	90.98	124.23	102.08	-1,929.87	3,928.58	3,411.36	3,201.66	209.70	16.267		
8,450.00	7,132.48	11,905.00	7,123.39	91.79	124.23	99.53	-1,929.87	3,928.58	3,420.73	3,210.40	210.33	16.264		
8,500.00	7,164.10	11,942.38	7,123.01	92.67	125.21	96.93	-1,930.92	3,965.94	3,429.90	3,217.71	212.19	16.164		
8,550.00	7,192.40	11,977.14	7,122.45	93.63	126.13	94.72	-1,931.94	4,000.68	3,438.61	3,224.60	214.01	16.068		
8,600.00	7,217.15	12,025.56	7,121.35	94.64	127.41	92.72	-1,933.40	4,049.07	3,446.71	3,230.40	216.31	15.934		
8,650.00	7,238.16	12,096.51	7,119.11	95.70	129.28	90.88	-1,935.11	4,119.96	3,453.75	3,234.38	219.37	15.744		
8,700.00	7,255.29	12,141.96	7,117.45	96.80	130.48	89.55	-1,936.03	4,165.37	3,459.70	3,238.05	221.65	15.609		
8,750.00	7,268.39	12,180.00	7,116.07	97.92	131.48	88.54	-1,936.79	4,203.38	3,464.62	3,240.91	223.71	15.487		
8,800.00	7,277.37	12,180.00	7,116.07	99.06	131.48	87.91	-1,936.79	4,203.38	3,468.88	3,244.31	224.56	15.447		
8,850.00	7,282.15	12,180.00	7,116.07	100.20	131.48	87.43	-1,936.79	4,203.38	3,472.65	3,247.27	225.38	15.408		
8,881.61	7,283.00	12,180.00	7,116.07	100.91	131.48	87.21	-1,936.79	4,203.38	3,474.76	3,248.89	225.87	15.384		
8,900.00	7,283.00	12,180.00	7,116.07	101.33	131.48	87.21	-1,936.79	4,203.38	3,475.98	3,249.83	226.15	15.370		
9,000.00	7,283.00	12,180.00	7,116.07	103.59	131.48	87.21	-1,936.79	4,203.38	3,484.31	3,256.72	227.59	15.310		
9,100.00	7,283.00	12,180.00	7,116.07	105.87	131.48	87.21	-1,936.79	4,203.38	3,495.48	3,266.62	228.86	15.273		
9,200.00	7,283.00	12,180.00	7,116.07	108.18	131.48	87.21	-1,936.79	4,203.38	3,509.46	3,279.49	229.97	15.260 SF		
9,300.00	7,283.00	12,180.00	7,116.07	110.50	131.48	87.21	-1,936.79	4,203.38	3,526.23	3,295.30	230.93	15.270		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 215-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,400.00	7,283.00	12,180.00	7,116.07	112.84	131.48	87.21	-1,936.79	4,203.38	3,545.74	3,314.01	231.72	15.302		
9,500.00	7,283.00	12,180.00	7,116.07	115.19	131.48	87.21	-1,936.79	4,203.38	3,567.94	3,335.58	232.36	15.355		
9,600.00	7,283.00	12,180.00	7,116.07	117.56	131.48	87.21	-1,936.79	4,203.38	3,592.79	3,359.94	232.85	15.429		
9,700.00	7,283.00	12,180.00	7,116.07	119.95	131.48	87.21	-1,936.79	4,203.38	3,620.23	3,387.04	233.19	15.525		
9,800.00	7,283.00	12,180.00	7,116.07	122.34	131.48	87.21	-1,936.79	4,203.38	3,650.21	3,416.82	233.39	15.640		
9,900.00	7,283.00	12,180.00	7,116.07	124.76	131.48	87.21	-1,936.79	4,203.38	3,682.66	3,449.20	233.46	15.774		
10,000.00	7,283.00	12,180.00	7,116.07	127.18	131.48	87.21	-1,936.79	4,203.38	3,717.52	3,484.13	233.39	15.928		
10,100.00	7,283.00	12,180.00	7,116.07	129.61	131.48	87.21	-1,936.79	4,203.38	3,754.72	3,521.51	233.21	16.100		
10,200.00	7,283.00	12,180.00	7,116.07	132.06	131.48	87.21	-1,936.79	4,203.38	3,794.19	3,561.28	232.91	16.290		
10,300.00	7,283.00	12,180.00	7,116.07	134.52	131.48	87.21	-1,936.79	4,203.38	3,835.86	3,603.36	232.50	16.498		
10,400.00	7,283.00	12,180.00	7,116.07	136.98	131.48	87.21	-1,936.79	4,203.38	3,879.66	3,647.66	232.00	16.723		
10,500.00	7,283.00	12,180.00	7,116.07	139.46	131.48	87.21	-1,936.79	4,203.38	3,925.52	3,694.12	231.40	16.964		
10,600.00	7,283.00	12,180.00	7,116.07	141.94	131.48	87.21	-1,936.79	4,203.38	3,973.37	3,742.65	230.72	17.221		
10,700.00	7,283.00	12,180.00	7,116.07	144.44	131.48	87.21	-1,936.79	4,203.38	4,023.14	3,793.17	229.97	17.494		
10,800.00	7,283.00	12,180.00	7,116.07	146.94	131.48	87.21	-1,936.79	4,203.38	4,074.75	3,845.61	229.15	17.782		
10,900.00	7,283.00	12,180.00	7,116.07	149.45	131.48	87.21	-1,936.79	4,203.38	4,128.14	3,899.88	228.26	18.085		
11,000.00	7,283.00	12,180.00	7,116.07	151.96	131.48	87.21	-1,936.79	4,203.38	4,183.24	3,955.92	227.32	18.402		
11,100.00	7,283.00	12,180.00	7,116.07	154.49	131.48	87.21	-1,936.79	4,203.38	4,239.98	4,013.65	226.34	18.733		
11,200.00	7,283.00	12,180.00	7,116.07	157.01	131.48	87.21	-1,936.79	4,203.38	4,298.30	4,073.00	225.31	19.077		
11,300.00	7,283.00	12,180.00	7,116.07	159.55	131.48	87.21	-1,936.79	4,203.38	4,358.14	4,133.90	224.24	19.435		
11,400.00	7,283.00	12,180.00	7,116.07	162.09	131.48	87.21	-1,936.79	4,203.38	4,419.43	4,196.28	223.15	19.805		
11,500.00	7,283.00	12,180.00	7,116.07	164.64	131.48	87.21	-1,936.79	4,203.38	4,482.11	4,260.08	222.02	20.187		
11,600.00	7,283.00	12,180.00	7,116.07	167.19	131.48	87.21	-1,936.79	4,203.38	4,546.12	4,325.24	220.88	20.582		
11,700.00	7,283.00	12,180.00	7,116.07	169.75	131.48	87.21	-1,936.79	4,203.38	4,611.42	4,391.70	219.72	20.988		
11,800.00	7,283.00	12,180.00	7,116.07	172.31	131.48	87.21	-1,936.79	4,203.38	4,677.94	4,459.40	218.55	21.405		
11,900.00	7,283.00	12,180.00	7,116.07	174.88	131.48	87.21	-1,936.79	4,203.38	4,745.64	4,528.28	217.36	21.833		
12,000.00	7,283.00	12,180.00	7,116.07	177.45	131.48	87.21	-1,936.79	4,203.38	4,814.46	4,598.29	216.17	22.271		
12,100.00	7,283.00	12,180.00	7,116.07	180.03	131.48	87.21	-1,936.79	4,203.38	4,884.36	4,669.38	214.98	22.720		
12,200.00	7,283.00	12,180.00	7,116.07	182.61	131.48	87.21	-1,936.79	4,203.38	4,955.30	4,741.51	213.79	23.179		
12,300.00	7,283.00	12,180.00	7,116.07	185.19	131.48	87.21	-1,936.79	4,203.38	5,027.22	4,814.62	212.59	23.647		
12,400.00	7,283.00	12,180.00	7,116.07	187.78	131.48	87.21	-1,936.79	4,203.38	5,100.09	4,888.68	211.41	24.125		
12,500.00	7,283.00	12,180.00	7,116.07	190.37	131.48	87.21	-1,936.79	4,203.38	5,173.86	4,963.64	210.22	24.611		
12,600.00	7,283.00	12,180.00	7,116.07	192.97	131.48	87.21	-1,936.79	4,203.38	5,248.50	5,039.45	209.05	25.107		
12,700.00	7,283.00	12,180.00	7,116.07	195.57	131.48	87.21	-1,936.79	4,203.38	5,323.98	5,116.10	207.88	25.611		
12,800.00	7,283.00	12,180.00	7,116.07	198.17	131.48	87.21	-1,936.79	4,203.38	5,400.25	5,193.52	206.73	26.123		
12,900.00	7,283.00	12,180.00	7,116.07	200.77	131.48	87.21	-1,936.79	4,203.38	5,477.28	5,271.70	205.58	26.643		
13,000.00	7,283.00	12,180.00	7,116.07	203.38	131.48	87.21	-1,936.79	4,203.38	5,555.05	5,350.60	204.45	27.171		
13,100.00	7,283.00	12,180.00	7,116.07	205.99	131.48	87.21	-1,936.79	4,203.38	5,633.52	5,430.19	203.33	27.706		
13,200.00	7,283.00	12,180.00	7,116.07	208.61	131.48	87.21	-1,936.79	4,203.38	5,712.66	5,510.43	202.23	28.249		
13,300.00	7,283.00	12,180.00	7,116.07	211.22	131.48	87.21	-1,936.79	4,203.38	5,792.45	5,591.31	201.14	28.798		
13,400.00	7,283.00	12,180.00	7,116.07	213.84	131.48	87.21	-1,936.79	4,203.38	5,872.85	5,672.79	200.07	29.355		
13,500.00	7,283.00	12,180.00	7,116.07	216.47	131.48	87.21	-1,936.79	4,203.38	5,953.85	5,754.84	199.01	29.918		
13,600.00	7,283.00	12,180.00	7,116.07	219.09	131.48	87.21	-1,936.79	4,203.38	6,035.42	5,837.46	197.97	30.487		
13,700.00	7,283.00	12,180.00	7,116.07	221.72	131.48	87.21	-1,936.79	4,203.38	6,117.54	5,920.60	196.94	31.063		
13,800.00	7,283.00	12,180.00	7,116.07	224.34	131.48	87.21	-1,936.79	4,203.38	6,200.18	6,004.25	195.93	31.644		
13,900.00	7,283.00	12,180.00	7,116.07	226.97	131.48	87.21	-1,936.79	4,203.38	6,283.33	6,088.38	194.94	32.232		
14,000.00	7,283.00	12,180.00	7,116.07	229.61	131.48	87.21	-1,936.79	4,203.38	6,366.96	6,172.99	193.97	32.825		
14,100.00	7,283.00	12,180.00	7,116.07	232.24	131.48	87.21	-1,936.79	4,203.38	6,451.05	6,258.04	193.01	33.424		
14,200.00	7,283.00	12,180.00	7,116.07	234.88	131.48	87.21	-1,936.79	4,203.38	6,535.60	6,343.53	192.07	34.027		
14,300.00	7,283.00	12,180.00	7,116.07	237.52	131.48	87.21	-1,936.79	4,203.38	6,620.57	6,429.43	191.14	34.636		
14,400.00	7,283.00	12,180.00	7,116.07	240.16	131.48	87.21	-1,936.79	4,203.38	6,705.96	6,515.73	190.24	35.250		
14,500.00	7,283.00	12,180.00	7,116.07	242.80	131.48	87.21	-1,936.79	4,203.38	6,791.75	6,602.41	189.35	35.869		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 215-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,600.00	7,283.00	12,180.00	7,116.07	245.44	131.48	87.21	-1,936.79	4,203.38	6,877.93	6,689.45	188.47	36.493		
14,700.00	7,283.00	12,180.00	7,116.07	248.09	131.48	87.21	-1,936.79	4,203.38	6,964.47	6,776.85	187.62	37.121		
14,800.00	7,283.00	12,180.00	7,116.07	250.74	131.48	87.21	-1,936.79	4,203.38	7,051.37	6,864.59	186.78	37.753		
14,900.00	7,283.00	12,180.00	7,116.07	253.38	131.48	87.21	-1,936.79	4,203.38	7,138.61	6,952.66	185.95	38.390		
15,000.00	7,283.00	12,180.00	7,116.07	256.03	131.48	87.21	-1,936.79	4,203.38	7,226.18	7,041.04	185.14	39.030		
15,100.00	7,283.00	12,180.00	7,116.07	258.69	131.48	87.21	-1,936.79	4,203.38	7,314.07	7,129.72	184.35	39.675		
15,200.00	7,283.00	12,180.00	7,116.07	261.34	131.48	87.21	-1,936.79	4,203.38	7,402.27	7,218.70	183.57	40.323		
15,300.00	7,283.00	12,180.00	7,116.07	263.99	131.48	87.21	-1,936.79	4,203.38	7,490.76	7,307.95	182.81	40.976		
15,400.00	7,283.00	12,180.00	7,116.07	266.65	131.48	87.21	-1,936.79	4,203.38	7,579.54	7,397.48	182.06	41.632		
15,500.00	7,283.00	12,180.00	7,116.07	269.31	131.48	87.21	-1,936.79	4,203.38	7,668.60	7,487.27	181.33	42.291		
15,600.00	7,283.00	12,180.00	7,116.07	271.96	131.48	87.21	-1,936.79	4,203.38	7,757.93	7,577.31	180.61	42.954		
15,700.00	7,283.00	12,180.00	7,116.07	274.62	131.48	87.21	-1,936.79	4,203.38	7,847.51	7,667.60	179.91	43.620		
15,800.00	7,283.00	12,180.00	7,116.07	277.28	131.48	87.21	-1,936.79	4,203.38	7,937.34	7,758.12	179.22	44.289		
15,900.00	7,283.00	12,180.00	7,116.07	279.94	131.48	87.21	-1,936.79	4,203.38	8,027.41	7,848.87	178.54	44.961		
16,000.00	7,283.00	12,180.00	7,116.07	282.61	131.48	87.21	-1,936.79	4,203.38	8,117.71	7,939.83	177.88	45.636		
16,100.00	7,283.00	12,180.00	7,116.07	285.27	131.48	87.21	-1,936.79	4,203.38	8,208.24	8,031.01	177.23	46.314		
16,200.00	7,283.00	12,180.00	7,116.07	287.94	131.48	87.21	-1,936.79	4,203.38	8,298.98	8,122.39	176.59	46.995		
16,300.00	7,283.00	12,180.00	7,116.07	290.60	131.48	87.21	-1,936.79	4,203.38	8,389.94	8,213.97	175.97	47.678		
16,400.00	7,283.00	12,180.00	7,116.07	293.27	131.48	87.21	-1,936.79	4,203.38	8,481.10	8,305.74	175.36	48.364		
16,500.00	7,283.00	12,180.00	7,116.07	295.94	131.48	87.21	-1,936.79	4,203.38	8,572.46	8,397.70	174.76	49.053		
16,600.00	7,283.00	12,180.00	7,116.07	298.60	131.48	87.21	-1,936.79	4,203.38	8,664.00	8,489.83	174.17	49.744		
16,700.00	7,283.00	12,180.00	7,116.07	301.27	131.48	87.21	-1,936.79	4,203.38	8,755.74	8,582.14	173.60	50.437		
16,800.00	7,283.00	12,180.00	7,116.07	303.94	131.48	87.21	-1,936.79	4,203.38	8,847.65	8,674.61	173.03	51.132		
16,900.00	7,283.00	12,180.00	7,116.07	306.62	131.48	87.21	-1,936.79	4,203.38	8,939.73	8,767.25	172.48	51.830		
17,000.00	7,283.00	12,180.00	7,116.07	309.29	131.48	87.21	-1,936.79	4,203.38	9,031.99	8,860.05	171.94	52.530		
17,100.00	7,283.00	12,180.00	7,116.07	311.96	131.48	87.21	-1,936.79	4,203.38	9,124.40	8,952.99	171.41	53.232		
17,200.00	7,283.00	12,180.00	7,116.07	314.63	131.48	87.21	-1,936.79	4,203.38	9,216.98	9,046.09	170.89	53.935		
17,300.00	7,283.00	12,180.00	7,116.07	317.31	131.48	87.21	-1,936.79	4,203.38	9,309.71	9,139.33	170.38	54.641		
17,400.00	7,283.00	12,180.00	7,116.07	319.98	131.48	87.21	-1,936.79	4,203.38	9,402.58	9,232.70	169.88	55.348		
17,500.00	7,283.00	12,180.00	7,116.07	322.66	131.48	87.21	-1,936.79	4,203.38	9,495.61	9,326.22	169.39	56.058		
17,600.00	7,283.00	12,180.00	7,116.07	325.34	131.48	87.21	-1,936.79	4,203.38	9,588.77	9,419.86	168.91	56.769		
17,700.00	7,283.00	12,180.00	7,116.07	328.01	131.48	87.21	-1,936.79	4,203.38	9,682.07	9,513.63	168.44	57.481		
17,800.00	7,283.00	12,180.00	7,116.07	330.69	131.48	87.21	-1,936.79	4,203.38	9,775.50	9,607.52	167.98	58.195		
17,900.00	7,283.00	12,180.00	7,116.07	333.37	131.48	87.21	-1,936.79	4,203.38	9,869.06	9,701.54	167.53	58.911		
18,000.00	7,283.00	12,180.00	7,116.07	336.05	131.48	87.21	-1,936.79	4,203.38	9,962.75	9,795.66	167.08	59.628		
18,100.00	7,283.00	12,180.00	7,116.07	338.73	131.48	87.21	-1,936.79	4,203.38	10,056.55	9,889.91	166.65	60.346		
18,200.00	7,283.00	12,180.00	7,116.07	341.41	131.48	87.21	-1,936.79	4,203.38	10,150.48	9,984.26	166.22	61.066		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 215-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	2.00	2.00	0.00	0.00	-92.09	-1.45	-39.86	39.89				
100.00	100.00	102.10	102.10	0.27	0.16	-92.06	-1.43	-39.73	39.76	39.33	0.43	93.053	
200.00	200.00	202.20	202.20	0.63	0.31	-91.98	-1.36	-39.35	39.38	38.44	0.94	41.850	
216.28	216.28	218.49	218.49	0.69	0.35	-161.60	-1.35	-39.27	39.34	38.31	1.03	38.153 CC, ES	
300.00	299.98	302.24	302.23	0.98	0.65	-162.12	-1.17	-38.79	40.46	38.84	1.63	24.863	
400.00	399.84	402.05	402.05	1.34	1.00	-163.78	-0.86	-38.25	44.91	42.57	2.34	19.170	
500.00	499.45	501.55	501.55	1.71	1.36	-165.95	-0.45	-37.96	53.00	49.94	3.06	17.324	
600.00	598.70	600.46	600.46	2.10	1.70	-168.08	0.01	-38.10	64.96	61.19	3.77	17.230	
700.00	697.47	698.50	698.49	2.51	2.03	-169.96	0.35	-38.97	81.13	76.66	4.48	18.125	
800.00	795.62	796.06	796.03	2.95	2.37	-171.38	0.78	-40.46	101.36	96.18	5.18	19.551	
900.00	893.06	892.65	892.60	3.43	2.71	-172.41	1.35	-42.19	125.22	119.32	5.90	21.241	
1,000.00	989.64	986.09	986.01	3.95	3.03	-173.60	0.73	-44.79	153.68	147.09	6.59	23.303	
1,100.00	1,085.27	1,078.20	1,077.97	4.52	3.35	-175.52	-3.22	-47.79	186.86	179.57	7.29	25.645	
1,200.00	1,179.82	1,167.40	1,166.79	5.14	3.67	-177.89	-10.82	-50.87	224.85	216.88	7.97	28.227	
1,300.00	1,273.17	1,256.69	1,255.56	5.81	3.99	-179.92	-19.81	-54.32	267.14	258.48	8.66	30.858	
1,400.00	1,365.21	1,343.17	1,341.37	6.54	4.30	178.31	-30.05	-57.54	313.25	303.91	9.34	33.525	
1,500.00	1,455.84	1,421.84	1,419.08	7.33	4.61	176.62	-41.91	-60.56	363.82	353.83	9.99	36.411	
1,600.00	1,544.94	1,497.52	1,493.44	8.19	4.91	175.03	-55.50	-64.16	419.29	408.66	10.63	39.432	
1,700.00	1,632.39	1,573.07	1,567.36	9.12	5.23	173.57	-70.52	-68.32	479.03	467.74	11.29	42.436	
1,800.00	1,718.11	1,649.97	1,642.73	10.11	5.56	172.51	-84.93	-73.31	541.90	529.93	11.97	45.265	
1,900.00	1,801.97	1,713.73	1,705.21	11.18	5.84	171.78	-96.71	-78.07	608.08	595.53	12.55	48.436	
1,969.27	1,858.92	1,762.00	1,752.20	11.96	6.05	171.18	-106.97	-82.13	656.50	643.49	13.01	50.480	
2,000.00	1,883.98	1,762.00	1,752.20	12.31	6.05	171.18	-106.97	-82.13	678.44	665.44	13.00	52.179	
2,100.00	1,965.50	1,819.01	1,807.22	13.48	6.33	170.62	-120.91	-87.54	751.08	737.54	13.54	55.481	
2,200.00	2,047.03	1,866.89	1,852.90	14.65	6.58	170.09	-134.28	-92.65	825.55	811.56	13.99	59.024	
2,300.00	2,128.56	1,917.86	1,901.03	15.84	6.85	169.47	-150.08	-98.26	901.34	886.85	14.49	62.215	
2,400.00	2,210.09	1,968.84	1,948.65	17.03	7.14	168.79	-167.41	-103.85	978.20	963.20	15.00	65.211	
2,500.00	2,291.61	2,023.90	1,999.65	18.23	7.47	168.05	-187.29	-109.74	1,055.73	1,040.15	15.58	67.760	
2,600.00	2,373.14	2,076.83	2,048.33	19.44	7.80	167.35	-207.33	-115.24	1,133.82	1,117.67	16.15	70.199	
2,700.00	2,454.67	2,127.80	2,094.91	20.64	8.12	166.70	-227.33	-120.58	1,212.51	1,195.80	16.71	72.551	
2,800.00	2,536.20	2,185.28	2,147.19	21.86	8.51	166.01	-250.42	-126.66	1,291.66	1,274.30	17.37	74.370	
2,900.00	2,617.72	2,248.19	2,204.47	23.07	8.93	165.35	-275.56	-133.38	1,370.88	1,352.78	18.10	75.737	
3,000.00	2,699.25	2,325.50	2,275.01	24.29	9.46	164.64	-306.21	-141.15	1,449.71	1,430.68	19.02	76.204	
3,100.00	2,780.78	2,389.78	2,333.77	25.50	9.90	164.11	-331.57	-147.17	1,528.14	1,508.34	19.80	77.195	
3,200.00	2,862.31	2,455.11	2,393.50	26.73	10.36	163.63	-357.35	-153.19	1,606.54	1,585.95	20.59	78.032	
3,300.00	2,943.83	2,525.92	2,458.23	27.95	10.86	163.13	-385.40	-159.27	1,684.71	1,663.25	21.46	78.509	
3,400.00	3,025.36	2,572.29	2,500.73	29.17	11.19	162.86	-403.44	-163.59	1,763.02	1,741.00	22.02	80.068	
3,500.00	3,106.89	2,621.00	2,545.57	30.40	11.53	162.66	-421.60	-169.23	1,841.90	1,819.30	22.61	81.477	
3,600.00	3,188.42	2,716.57	2,634.08	31.62	12.19	162.38	-455.76	-180.75	1,920.52	1,896.76	23.76	80.830	
3,700.00	3,269.94	2,766.93	2,680.95	32.85	12.54	162.27	-473.12	-186.86	1,998.65	1,974.29	24.35	82.065	
3,800.00	3,351.47	2,812.00	2,723.00	34.07	12.84	162.21	-488.15	-193.00	2,077.17	2,052.29	24.88	83.476	
3,900.00	3,433.00	2,856.69	2,764.65	35.30	13.15	162.18	-502.97	-199.58	2,156.19	2,130.79	25.40	84.875	
4,000.00	3,514.53	2,908.00	2,812.27	36.53	13.50	162.13	-520.33	-207.54	2,235.84	2,209.83	26.01	85.975	
4,100.00	3,596.05	2,938.27	2,840.25	37.76	13.72	162.10	-530.81	-212.38	2,315.92	2,289.56	26.36	87.858	
4,200.00	3,677.58	2,979.96	2,878.65	38.99	14.02	162.05	-545.60	-219.09	2,396.51	2,369.65	26.85	89.239	
4,300.00	3,759.11	3,059.94	2,952.11	40.22	14.60	161.94	-574.53	-231.83	2,477.33	2,449.51	27.83	89.030	
4,400.00	3,840.64	3,210.36	3,091.92	41.45	15.66	161.81	-625.60	-253.39	2,556.28	2,526.65	29.63	86.278	
4,500.00	3,922.16	3,256.28	3,134.84	42.68	15.98	161.78	-640.71	-259.65	2,634.61	2,604.43	30.18	87.301	
4,600.00	4,003.69	3,290.00	3,166.27	43.91	16.21	161.75	-652.00	-264.32	2,713.35	2,682.77	30.58	88.717	
4,700.00	4,085.22	3,327.74	3,201.32	45.15	16.48	161.72	-664.91	-269.75	2,792.66	2,761.62	31.04	89.960	
4,800.00	4,166.75	3,356.83	3,228.19	46.38	16.69	161.70	-675.12	-274.18	2,872.67	2,841.27	31.40	91.492	
4,900.00	4,248.27	3,386.00	3,255.02	47.61	16.90	161.67	-685.58	-278.83	2,953.31	2,921.55	31.75	93.009	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T4N-R68W - JESSER 3E-10-17C - ORIGINAL WELLBORE - WB #1- PATT 901													Offset Site Error:	0.00 usft
Survey Program: 215-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,329.80	3,526.49	3,384.26	48.84	17.94	161.51	-736.41	-299.94	3,033.85	3,000.37	33.48	90.613		
5,100.00	4,411.33	3,670.91	3,518.40	50.08	18.97	161.34	-787.04	-317.10	3,111.78	3,076.53	35.24	88.292		
5,200.00	4,492.86	3,709.14	3,553.73	51.31	19.25	161.26	-801.18	-320.69	3,189.57	3,153.82	35.74	89.232		
5,300.00	4,574.38	3,737.05	3,579.97	52.54	19.46	161.20	-811.86	-323.46	3,268.05	3,231.93	36.12	90.485		
5,400.00	4,655.91	3,768.00	3,607.64	53.78	19.69	161.13	-824.03	-326.68	3,347.18	3,310.65	36.53	91.636		
5,500.00	4,737.44	3,811.75	3,647.48	55.01	20.03	161.03	-841.50	-331.40	3,426.76	3,389.66	37.11	92.350		
5,600.00	4,818.97	3,864.00	3,695.00	56.24	20.43	160.91	-862.44	-337.14	3,506.52	3,468.73	37.80	92.777		
5,700.00	4,900.49	3,956.90	3,779.53	57.48	21.15	160.70	-899.70	-346.94	3,586.10	3,547.08	39.01	91.924		
5,800.00	4,982.02	4,141.17	3,949.24	58.71	22.52	160.40	-969.26	-364.37	3,663.87	3,622.53	41.34	88.620		
5,900.00	5,063.55	4,198.49	4,002.74	59.95	22.92	160.34	-989.17	-369.59	3,740.61	3,698.53	42.07	88.906		
6,000.00	5,145.08	4,245.00	4,045.90	61.18	23.25	160.30	-1,005.72	-374.64	3,818.43	3,775.76	42.67	89.481		
6,100.00	5,226.60	10,855.00	7,253.01	62.42	93.41	124.16	-2,280.65	2,749.02	3,870.12	3,740.77	129.35	29.920		
6,200.00	5,308.13	10,940.62	7,252.86	63.65	95.57	123.08	-2,279.65	2,834.63	3,844.78	3,710.99	133.79	28.737		
6,300.00	5,389.66	10,994.93	7,252.47	64.89	96.94	122.38	-2,278.90	2,888.93	3,820.99	3,683.42	137.57	27.774		
6,400.00	5,471.19	11,022.44	7,252.18	66.12	97.64	122.03	-2,278.82	2,916.44	3,799.36	3,658.61	140.75	26.993		
6,500.00	5,552.72	11,060.30	7,251.74	67.36	98.60	121.54	-2,279.04	2,954.30	3,779.86	3,635.69	144.17	26.218		
6,600.00	5,634.24	11,163.99	7,251.65	68.59	101.23	120.20	-2,278.32	3,057.98	3,761.81	3,612.67	149.14	25.224		
6,700.00	5,715.77	11,249.14	7,251.72	69.83	103.40	119.11	-2,276.70	3,143.12	3,744.99	3,591.32	153.67	24.371		
6,800.00	5,797.30	11,283.11	7,251.90	71.06	104.26	118.67	-2,276.00	3,177.08	3,729.96	3,572.98	156.98	23.761		
6,900.00	5,878.83	11,332.00	7,252.52	72.30	105.51	118.04	-2,275.01	3,225.95	3,716.95	3,556.33	160.62	23.142		
7,000.00	5,960.35	11,401.59	7,253.60	73.53	107.28	117.15	-2,273.46	3,295.52	3,705.72	3,540.98	164.73	22.495		
7,100.00	6,041.88	11,471.11	7,254.51	74.77	109.06	116.25	-2,271.58	3,365.01	3,695.99	3,527.16	168.83	21.892		
7,200.00	6,123.41	11,540.43	7,255.62	76.01	110.83	115.36	-2,269.43	3,434.29	3,687.96	3,515.07	172.89	21.331		
7,300.00	6,204.94	11,630.30	7,256.56	77.24	113.13	114.20	-2,266.15	3,524.09	3,681.38	3,503.95	177.43	20.748		
7,400.00	6,286.46	11,662.33	7,256.71	78.48	113.95	113.79	-2,265.04	3,556.10	3,676.64	3,496.14	180.50	20.369		
7,500.00	6,367.99	11,714.00	7,256.80	79.71	115.27	113.11	-2,263.55	3,607.75	3,674.08	3,490.07	184.01	19.967		
7,587.48	6,439.31	11,757.91	7,256.67	80.79	116.40	112.54	-2,262.38	3,651.64	3,673.44	3,486.44	187.00	19.644		
7,600.00	6,449.52	11,768.57	7,256.60	80.95	116.68	112.40	-2,262.07	3,662.29	3,673.45	3,485.92	187.53	19.588		
7,700.00	6,531.05	11,852.49	7,255.69	82.19	118.84	111.30	-2,259.35	3,746.16	3,674.37	3,482.61	191.76	19.161		
7,800.00	6,612.57	11,922.88	7,255.05	83.42	120.65	110.38	-2,256.53	3,816.50	3,676.82	3,481.25	195.57	18.801		
7,900.00	6,694.10	11,972.40	7,255.02	84.66	121.92	109.73	-2,254.45	3,865.97	3,681.16	3,482.40	198.76	18.520		
8,000.00	6,775.63	12,017.92	7,255.34	85.89	123.10	109.14	-2,252.56	3,911.46	3,687.47	3,485.70	201.77	18.275		
8,100.00	6,857.16	12,056.86	7,255.51	87.13	124.10	108.64	-2,251.11	3,950.37	3,695.86	3,491.34	204.52	18.071		
8,200.00	6,938.68	12,095.18	7,255.47	88.37	125.10	108.14	-2,249.88	3,988.67	3,706.36	3,499.20	207.16	17.891		
8,300.00	7,020.21	12,166.44	7,254.99	89.60	126.94	107.21	-2,247.62	4,059.89	3,718.71	3,508.11	210.61	17.657		
8,310.57	7,028.83	12,173.90	7,254.91	89.73	127.14	107.12	-2,247.37	4,067.34	3,720.11	3,509.15	210.96	17.634		
8,350.00	7,060.23	12,203.05	7,254.55	90.25	127.89	104.16	-2,246.35	4,096.47	3,725.31	3,512.97	212.35	17.544		
8,400.00	7,097.77	12,231.54	7,254.20	90.98	128.63	101.12	-2,245.35	4,124.95	3,731.73	3,517.80	213.92	17.444		
8,450.00	7,132.48	12,266.31	7,253.76	91.79	129.53	98.52	-2,244.13	4,159.68	3,737.81	3,522.08	215.73	17.326		
8,500.00	7,164.10	12,295.00	7,253.40	92.67	130.28	96.41	-2,243.13	4,188.36	3,743.45	3,526.03	217.43	17.217		
8,550.00	7,192.40	12,295.00	7,253.40	93.63	130.28	94.88	-2,243.13	4,188.36	3,748.82	3,530.44	218.37	17.167		
8,600.00	7,217.15	12,295.00	7,253.40	94.64	130.28	93.59	-2,243.13	4,188.36	3,753.98	3,534.63	219.34	17.115		
8,650.00	7,238.16	12,295.00	7,253.40	95.70	130.28	92.49	-2,243.13	4,188.36	3,758.89	3,538.57	220.32	17.061		
8,700.00	7,255.29	12,295.00	7,253.40	96.80	130.28	91.57	-2,243.13	4,188.36	3,763.52	3,542.23	221.30	17.007		
8,750.00	7,268.39	12,295.00	7,253.40	97.92	130.28	90.82	-2,243.13	4,188.36	3,767.84	3,545.58	222.26	16.952		
8,800.00	7,277.37	12,295.00	7,253.40	99.06	130.28	90.21	-2,243.13	4,188.36	3,771.81	3,548.61	223.20	16.899		
8,850.00	7,282.15	12,295.00	7,253.40	100.20	130.28	89.74	-2,243.13	4,188.36	3,775.40	3,551.29	224.11	16.846		
8,881.61	7,283.00	12,295.00	7,253.40	100.91	130.28	89.52	-2,243.13	4,188.36	3,777.46	3,552.80	224.66	16.814		
8,900.00	7,283.00	12,295.00	7,253.40	101.33	130.28	89.52	-2,243.13	4,188.36	3,778.66	3,553.69	224.97	16.796		
9,000.00	7,283.00	12,295.00	7,253.40	103.59	130.28	89.52	-2,243.13	4,188.36	3,786.73	3,560.13	226.60	16.711		
9,100.00	7,283.00	12,295.00	7,253.40	105.87	130.28	89.52	-2,243.13	4,188.36	3,797.42	3,569.33	228.09	16.649		
9,200.00	7,283.00	12,295.00	7,253.40	108.18	130.28	89.52	-2,243.13	4,188.36	3,810.70	3,581.25	229.46	16.608		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T4N-R68W - JESSER 3E-10-17C - ORIGINAL WELLBORE - WB #1- PATT 901													Offset Site Error:	0.00 usft
Survey Program: 215-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,300.00	7,283.00	12,295.00	7,253.40	110.50	130.28	89.52	-2,243.13	4,188.36	3,826.55	3,595.87	230.68	16.588 SF		
9,400.00	7,283.00	12,295.00	7,253.40	112.84	130.28	89.52	-2,243.13	4,188.36	3,844.94	3,613.17	231.78	16.589		
9,500.00	7,283.00	12,295.00	7,253.40	115.19	130.28	89.52	-2,243.13	4,188.36	3,865.83	3,633.09	232.74	16.610		
9,600.00	7,283.00	12,295.00	7,253.40	117.56	130.28	89.52	-2,243.13	4,188.36	3,889.18	3,655.61	233.56	16.651		
9,700.00	7,283.00	12,295.00	7,253.40	119.95	130.28	89.52	-2,243.13	4,188.36	3,914.94	3,680.68	234.26	16.712		
9,800.00	7,283.00	12,295.00	7,253.40	122.34	130.28	89.52	-2,243.13	4,188.36	3,943.07	3,708.23	234.84	16.791		
9,900.00	7,283.00	12,295.00	7,253.40	124.76	130.28	89.52	-2,243.13	4,188.36	3,973.52	3,738.23	235.29	16.888		
10,000.00	7,283.00	12,295.00	7,253.40	127.18	130.28	89.52	-2,243.13	4,188.36	4,006.24	3,770.61	235.62	17.003		
10,100.00	7,283.00	12,295.00	7,253.40	129.61	130.28	89.52	-2,243.13	4,188.36	4,041.16	3,805.32	235.85	17.135		
10,200.00	7,283.00	12,295.00	7,253.40	132.06	130.28	89.52	-2,243.13	4,188.36	4,078.24	3,842.28	235.96	17.284		
10,300.00	7,283.00	12,295.00	7,253.40	134.52	130.28	89.52	-2,243.13	4,188.36	4,117.42	3,881.44	235.97	17.449		
10,400.00	7,283.00	12,295.00	7,253.40	136.98	130.28	89.52	-2,243.13	4,188.36	4,158.63	3,922.74	235.89	17.630		
10,500.00	7,283.00	12,295.00	7,253.40	139.46	130.28	89.52	-2,243.13	4,188.36	4,201.81	3,966.10	235.71	17.826		
10,600.00	7,283.00	12,295.00	7,253.40	141.94	130.28	89.52	-2,243.13	4,188.36	4,246.91	4,011.46	235.45	18.037		
10,700.00	7,283.00	12,295.00	7,253.40	144.44	130.28	89.52	-2,243.13	4,188.36	4,293.87	4,058.76	235.11	18.263		
10,800.00	7,283.00	12,295.00	7,253.40	146.94	130.28	89.52	-2,243.13	4,188.36	4,342.63	4,107.93	234.70	18.503		
10,900.00	7,283.00	12,295.00	7,253.40	149.45	130.28	89.52	-2,243.13	4,188.36	4,393.12	4,158.89	234.22	18.756		
11,000.00	7,283.00	12,295.00	7,253.40	151.96	130.28	89.52	-2,243.13	4,188.36	4,445.28	4,211.60	233.68	19.023		
11,100.00	7,283.00	12,295.00	7,253.40	154.49	130.28	89.52	-2,243.13	4,188.36	4,499.06	4,265.98	233.08	19.303		
11,200.00	7,283.00	12,295.00	7,253.40	157.01	130.28	89.52	-2,243.13	4,188.36	4,554.41	4,321.98	232.43	19.595		
11,300.00	7,283.00	12,295.00	7,253.40	159.55	130.28	89.52	-2,243.13	4,188.36	4,611.26	4,379.52	231.73	19.899		
11,400.00	7,283.00	12,295.00	7,253.40	162.09	130.28	89.52	-2,243.13	4,188.36	4,669.56	4,438.56	230.99	20.215		
11,500.00	7,283.00	12,295.00	7,253.40	164.64	130.28	89.52	-2,243.13	4,188.36	4,729.25	4,499.03	230.22	20.542		
11,600.00	7,283.00	12,295.00	7,253.40	167.19	130.28	89.52	-2,243.13	4,188.36	4,790.29	4,560.88	229.41	20.881		
11,700.00	7,283.00	12,295.00	7,253.40	169.75	130.28	89.52	-2,243.13	4,188.36	4,852.62	4,624.05	228.57	21.230		
11,800.00	7,283.00	12,295.00	7,253.40	172.31	130.28	89.52	-2,243.13	4,188.36	4,916.20	4,688.49	227.71	21.590		
11,900.00	7,283.00	12,295.00	7,253.40	174.88	130.28	89.52	-2,243.13	4,188.36	4,980.97	4,754.14	226.83	21.959		
12,000.00	7,283.00	12,295.00	7,253.40	177.45	130.28	89.52	-2,243.13	4,188.36	5,046.89	4,820.97	225.92	22.339		
12,100.00	7,283.00	12,295.00	7,253.40	180.03	130.28	89.52	-2,243.13	4,188.36	5,113.92	4,888.91	225.01	22.728		
12,200.00	7,283.00	12,295.00	7,253.40	182.61	130.28	89.52	-2,243.13	4,188.36	5,182.01	4,957.93	224.08	23.126		
12,300.00	7,283.00	12,295.00	7,253.40	185.19	130.28	89.52	-2,243.13	4,188.36	5,251.12	5,027.99	223.14	23.533		
12,400.00	7,283.00	12,295.00	7,253.40	187.78	130.28	89.52	-2,243.13	4,188.36	5,321.22	5,099.03	222.19	23.949		
12,500.00	7,283.00	12,295.00	7,253.40	190.37	130.28	89.52	-2,243.13	4,188.36	5,392.25	5,171.02	221.24	24.373		
12,600.00	7,283.00	12,295.00	7,253.40	192.97	130.28	89.52	-2,243.13	4,188.36	5,464.20	5,243.92	220.28	24.805		
12,700.00	7,283.00	12,295.00	7,253.40	195.57	130.28	89.52	-2,243.13	4,188.36	5,537.01	5,317.69	219.32	25.246		
12,800.00	7,283.00	12,295.00	7,253.40	198.17	130.28	89.52	-2,243.13	4,188.36	5,610.67	5,392.30	218.37	25.694		
12,900.00	7,283.00	12,295.00	7,253.40	200.77	130.28	89.52	-2,243.13	4,188.36	5,685.13	5,467.71	217.41	26.149		
13,000.00	7,283.00	12,295.00	7,253.40	203.38	130.28	89.52	-2,243.13	4,188.36	5,760.36	5,543.90	216.46	26.611		
13,100.00	7,283.00	12,295.00	7,253.40	205.99	130.28	89.52	-2,243.13	4,188.36	5,836.33	5,620.82	215.51	27.081		
13,200.00	7,283.00	12,295.00	7,253.40	208.61	130.28	89.52	-2,243.13	4,188.36	5,913.02	5,698.45	214.57	27.557		
13,300.00	7,283.00	12,295.00	7,253.40	211.22	130.28	89.52	-2,243.13	4,188.36	5,990.40	5,776.76	213.64	28.040		
13,400.00	7,283.00	12,295.00	7,253.40	213.84	130.28	89.52	-2,243.13	4,188.36	6,068.44	5,855.73	212.71	28.529		
13,500.00	7,283.00	12,295.00	7,253.40	216.47	130.28	89.52	-2,243.13	4,188.36	6,147.11	5,935.33	211.79	29.025		
13,600.00	7,283.00	12,295.00	7,253.40	219.09	130.28	89.52	-2,243.13	4,188.36	6,226.40	6,015.52	210.88	29.526		
13,700.00	7,283.00	12,295.00	7,253.40	221.72	130.28	89.52	-2,243.13	4,188.36	6,306.28	6,096.30	209.97	30.034		
13,800.00	7,283.00	12,295.00	7,253.40	224.34	130.28	89.52	-2,243.13	4,188.36	6,386.72	6,177.64	209.08	30.546		
13,900.00	7,283.00	12,295.00	7,253.40	226.97	130.28	89.52	-2,243.13	4,188.36	6,467.71	6,259.51	208.20	31.065		
14,000.00	7,283.00	12,295.00	7,253.40	229.61	130.28	89.52	-2,243.13	4,188.36	6,549.22	6,341.89	207.33	31.588		
14,100.00	7,283.00	12,295.00	7,253.40	232.24	130.28	89.52	-2,243.13	4,188.36	6,631.24	6,424.77	206.47	32.117		
14,200.00	7,283.00	12,295.00	7,253.40	234.88	130.28	89.52	-2,243.13	4,188.36	6,713.75	6,508.13	205.62	32.651		
14,300.00	7,283.00	12,295.00	7,253.40	237.52	130.28	89.52	-2,243.13	4,188.36	6,796.73	6,591.94	204.79	33.189		
14,400.00	7,283.00	12,295.00	7,253.40	240.16	130.28	89.52	-2,243.13	4,188.36	6,880.16	6,676.19	203.96	33.733		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 215-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,500.00	7,283.00	12,295.00	7,253.40	242.80	130.28	89.52	-2,243.13	4,188.36	6,964.02	6,760.87	203.15	34.281		
14,600.00	7,283.00	12,295.00	7,253.40	245.44	130.28	89.52	-2,243.13	4,188.36	7,048.31	6,845.96	202.35	34.833		
14,700.00	7,283.00	12,295.00	7,253.40	248.09	130.28	89.52	-2,243.13	4,188.36	7,133.00	6,931.44	201.56	35.389		
14,800.00	7,283.00	12,295.00	7,253.40	250.74	130.28	89.52	-2,243.13	4,188.36	7,218.09	7,017.31	200.78	35.950		
14,900.00	7,283.00	12,295.00	7,253.40	253.38	130.28	89.52	-2,243.13	4,188.36	7,303.55	7,103.53	200.02	36.515		
15,000.00	7,283.00	12,295.00	7,253.40	256.03	130.28	89.52	-2,243.13	4,188.36	7,389.38	7,190.11	199.26	37.083		
15,100.00	7,283.00	12,295.00	7,253.40	258.69	130.28	89.52	-2,243.13	4,188.36	7,475.56	7,277.03	198.52	37.656		
15,200.00	7,283.00	12,295.00	7,253.40	261.34	130.28	89.52	-2,243.13	4,188.36	7,562.08	7,364.28	197.80	38.232		
15,300.00	7,283.00	12,295.00	7,253.40	263.99	130.28	89.52	-2,243.13	4,188.36	7,648.93	7,451.85	197.08	38.811		
15,400.00	7,283.00	12,295.00	7,253.40	266.65	130.28	89.52	-2,243.13	4,188.36	7,736.09	7,539.72	196.38	39.394		
15,500.00	7,283.00	12,295.00	7,253.40	269.31	130.28	89.52	-2,243.13	4,188.36	7,823.57	7,627.88	195.68	39.981		
15,600.00	7,283.00	12,295.00	7,253.40	271.96	130.28	89.52	-2,243.13	4,188.36	7,911.34	7,716.33	195.00	40.570		
15,700.00	7,283.00	12,295.00	7,253.40	274.62	130.28	89.52	-2,243.13	4,188.36	7,999.39	7,805.06	194.33	41.163		
15,800.00	7,283.00	12,295.00	7,253.40	277.28	130.28	89.52	-2,243.13	4,188.36	8,087.73	7,894.05	193.68	41.759		
15,900.00	7,283.00	12,295.00	7,253.40	279.94	130.28	89.52	-2,243.13	4,188.36	8,176.33	7,983.30	193.03	42.358		
16,000.00	7,283.00	12,295.00	7,253.40	282.61	130.28	89.52	-2,243.13	4,188.36	8,265.20	8,072.80	192.40	42.960		
16,100.00	7,283.00	12,295.00	7,253.40	285.27	130.28	89.52	-2,243.13	4,188.36	8,354.31	8,162.54	191.77	43.564		
16,200.00	7,283.00	12,295.00	7,253.40	287.94	130.28	89.52	-2,243.13	4,188.36	8,443.67	8,252.51	191.16	44.171		
16,300.00	7,283.00	12,295.00	7,253.40	290.60	130.28	89.52	-2,243.13	4,188.36	8,533.27	8,342.71	190.56	44.781		
16,400.00	7,283.00	12,295.00	7,253.40	293.27	130.28	89.52	-2,243.13	4,188.36	8,623.09	8,433.13	189.96	45.393		
16,500.00	7,283.00	12,295.00	7,253.40	295.94	130.28	89.52	-2,243.13	4,188.36	8,713.14	8,523.75	189.38	46.008		
16,600.00	7,283.00	12,295.00	7,253.40	298.60	130.28	89.52	-2,243.13	4,188.36	8,803.40	8,614.59	188.81	46.625		
16,700.00	7,283.00	12,295.00	7,253.40	301.27	130.28	89.52	-2,243.13	4,188.36	8,893.87	8,705.62	188.25	47.244		
16,800.00	7,283.00	12,295.00	7,253.40	303.94	130.28	89.52	-2,243.13	4,188.36	8,984.54	8,796.84	187.70	47.866		
16,900.00	7,283.00	12,295.00	7,253.40	306.62	130.28	89.52	-2,243.13	4,188.36	9,075.41	8,888.25	187.16	48.490		
17,000.00	7,283.00	12,295.00	7,253.40	309.29	130.28	89.52	-2,243.13	4,188.36	9,166.46	8,979.83	186.63	49.115		
17,100.00	7,283.00	12,295.00	7,253.40	311.96	130.28	89.52	-2,243.13	4,188.36	9,257.71	9,071.60	186.11	49.743		
17,200.00	7,283.00	12,295.00	7,253.40	314.63	130.28	89.52	-2,243.13	4,188.36	9,349.13	9,163.53	185.60	50.373		
17,300.00	7,283.00	12,295.00	7,253.40	317.31	130.28	89.52	-2,243.13	4,188.36	9,440.72	9,255.63	185.09	51.005		
17,400.00	7,283.00	12,295.00	7,253.40	319.98	130.28	89.52	-2,243.13	4,188.36	9,532.49	9,347.89	184.60	51.639		
17,500.00	7,283.00	12,295.00	7,253.40	322.66	130.28	89.52	-2,243.13	4,188.36	9,624.42	9,440.30	184.12	52.274		
17,600.00	7,283.00	12,295.00	7,253.40	325.34	130.28	89.52	-2,243.13	4,188.36	9,716.50	9,532.86	183.64	52.911		
17,700.00	7,283.00	12,295.00	7,253.40	328.01	130.28	89.52	-2,243.13	4,188.36	9,808.75	9,625.57	183.17	53.550		
17,800.00	7,283.00	12,295.00	7,253.40	330.69	130.28	89.52	-2,243.13	4,188.36	9,901.14	9,718.43	182.71	54.190		
17,900.00	7,283.00	12,295.00	7,253.40	333.37	130.28	89.52	-2,243.13	4,188.36	9,993.68	9,811.42	182.26	54.832		
18,000.00	7,283.00	12,295.00	7,253.40	336.05	130.28	89.52	-2,243.13	4,188.36	10,086.36	9,904.54	181.82	55.475		
18,100.00	7,283.00	12,295.00	7,253.40	338.73	130.28	89.52	-2,243.13	4,188.36	10,179.18	9,997.80	181.38	56.120		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T4N-R68W - JESSER 3E-10-1N - ORIGINAL WELLBORE - WB #1 - PATT 901													Offset Site Error:	0.00 usft
Survey Program: 127-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	7.77	7.77	0.00	0.01	-90.93	-5.83	-359.59	359.64					
100.00	100.00	104.95	104.95	0.27	0.15	-90.95	-5.99	-360.03	360.09	359.68	0.41	867.991		
200.00	200.00	200.96	200.94	0.63	0.44	-90.80	-5.03	-361.35	361.45	360.39	1.07	338.910		
300.00	299.98	300.28	300.05	0.98	0.81	-159.56	0.76	-363.51	365.23	363.45	1.78	205.194		
400.00	399.84	398.60	397.76	1.34	1.18	-158.14	11.43	-365.73	372.52	370.00	2.52	148.072		
500.00	499.45	494.48	492.59	1.71	1.57	-156.43	25.36	-368.30	383.81	380.54	3.27	117.289		
600.00	598.70	585.25	581.92	2.10	1.96	-154.69	40.99	-371.76	399.89	395.85	4.04	99.081		
700.00	697.47	675.73	670.36	2.51	2.39	-152.81	59.51	-376.50	421.12	416.29	4.83	87.254		
800.00	795.62	761.25	753.25	2.95	2.83	-150.94	79.71	-382.28	447.58	441.96	5.62	79.635		
900.00	893.06	848.37	837.09	3.43	3.30	-149.10	102.20	-389.64	479.27	472.82	6.45	74.315		
1,000.00	989.64	937.06	921.59	3.95	3.82	-147.21	127.94	-397.59	515.14	507.82	7.32	70.364		
1,100.00	1,085.27	1,025.34	1,005.22	4.52	4.36	-145.46	155.03	-405.68	554.54	546.32	8.22	67.434		
1,200.00	1,179.82	1,109.13	1,084.00	5.14	4.90	-143.85	182.46	-413.51	597.39	588.26	9.14	65.394		
1,300.00	1,273.17	1,192.67	1,161.80	5.81	5.46	-142.30	211.71	-421.85	644.00	633.92	10.08	63.874		
1,400.00	1,365.21	1,279.70	1,242.93	6.54	6.05	-140.97	242.01	-430.56	693.12	682.02	11.09	62.474		
1,500.00	1,455.84	1,359.46	1,317.18	7.33	6.60	-139.88	269.87	-438.97	745.10	733.02	12.08	61.701		
1,600.00	1,544.94	1,441.52	1,392.84	8.19	7.19	-138.74	300.51	-447.39	799.73	786.60	13.13	60.915		
1,700.00	1,632.39	1,522.77	1,466.96	9.12	7.80	-137.57	332.86	-455.21	856.69	842.45	14.24	60.175		
1,800.00	1,718.11	1,600.55	1,537.88	10.11	8.39	-136.53	363.88	-462.84	915.91	900.57	15.34	59.720		
1,900.00	1,801.97	1,677.56	1,608.77	11.18	8.96	-135.74	392.72	-471.27	977.42	960.97	16.46	59.395		
1,969.27	1,858.92	1,738.66	1,665.24	11.96	9.40	-135.33	415.09	-477.90	1,021.01	1,003.69	17.33	58.931		
2,000.00	1,883.98	1,765.80	1,690.34	12.31	9.60	-135.50	425.06	-480.69	1,040.44	1,022.72	17.72	58.730		
2,100.00	1,965.50	1,827.32	1,746.66	13.48	10.07	-135.76	448.97	-486.99	1,104.13	1,085.41	18.72	58.996		
2,200.00	2,047.03	1,891.66	1,804.64	14.65	10.57	-135.88	476.02	-493.76	1,168.79	1,149.03	19.76	59.148		
2,300.00	2,128.56	1,963.04	1,868.97	15.84	11.15	-136.02	505.85	-501.95	1,234.11	1,213.20	20.91	59.034		
2,400.00	2,210.09	2,080.55	1,975.70	17.03	12.06	-136.27	553.67	-513.32	1,297.67	1,275.05	22.62	57.365		
2,500.00	2,291.61	2,174.67	2,061.87	18.23	12.78	-136.51	590.64	-521.53	1,360.42	1,336.38	24.04	56.584		
2,600.00	2,373.14	2,288.23	2,165.76	19.44	13.63	-136.68	636.03	-527.92	1,420.72	1,395.01	25.71	55.260		
2,700.00	2,454.67	2,362.02	2,233.60	20.64	14.18	-136.82	664.78	-531.87	1,480.77	1,453.86	26.91	55.036		
2,800.00	2,536.20	2,430.00	2,295.31	21.86	14.70	-136.85	693.05	-535.51	1,541.42	1,513.37	28.04	54.964		
2,900.00	2,617.72	2,488.56	2,347.94	23.07	15.17	-136.82	718.51	-538.92	1,602.88	1,573.79	29.08	55.113		
3,000.00	2,699.25	2,553.52	2,406.20	24.29	15.69	-136.79	746.88	-543.42	1,665.21	1,635.00	30.21	55.130		
3,100.00	2,780.78	2,628.66	2,473.58	25.50	16.30	-136.77	779.69	-548.91	1,727.85	1,696.39	31.47	54.912		
3,200.00	2,862.31	2,712.32	2,549.38	26.73	16.96	-136.82	814.44	-555.48	1,790.42	1,757.60	32.82	54.554		
3,300.00	2,943.83	2,800.81	2,630.69	27.95	17.63	-136.99	848.57	-562.82	1,852.65	1,818.45	34.19	54.182		
3,400.00	3,025.36	2,875.13	2,699.33	29.17	18.18	-137.15	876.38	-569.06	1,914.70	1,879.33	35.37	54.132		
3,500.00	3,106.89	2,944.77	2,763.55	30.40	18.69	-137.29	902.63	-575.09	1,977.04	1,940.56	36.48	54.190		
3,600.00	3,188.42	3,015.49	2,829.04	31.62	19.21	-137.46	928.46	-581.82	2,039.77	2,002.17	37.60	54.247		
3,700.00	3,269.94	3,108.23	2,914.64	32.85	19.89	-137.64	963.15	-590.10	2,102.26	2,063.24	39.02	53.883		
3,800.00	3,351.47	3,177.02	2,978.16	34.07	20.39	-137.76	988.84	-596.20	2,164.69	2,124.58	40.11	53.963		
3,900.00	3,433.00	3,249.59	3,045.37	35.30	20.93	-137.91	1,015.36	-603.06	2,227.42	2,186.16	41.26	53.989		
4,000.00	3,514.53	3,325.48	3,115.38	36.53	21.48	-138.03	1,043.77	-610.18	2,290.28	2,247.83	42.44	53.962		
4,100.00	3,596.05	3,406.46	3,190.69	37.76	22.07	-138.21	1,072.41	-618.21	2,353.14	2,309.46	43.68	53.872		
4,200.00	3,677.58	3,482.00	3,260.86	38.99	22.61	-138.36	1,099.47	-625.33	2,415.73	2,370.89	44.84	53.869		
4,300.00	3,759.11	3,550.28	3,323.97	40.22	23.11	-138.46	1,124.73	-631.71	2,478.54	2,432.61	45.93	53.963		
4,400.00	3,840.64	3,617.27	3,385.65	41.45	23.61	-138.54	1,150.03	-638.38	2,541.92	2,494.92	47.01	54.075		
4,500.00	3,922.16	3,688.82	3,451.14	42.68	24.16	-138.60	1,177.98	-645.36	2,605.44	2,557.28	48.16	54.099		
4,600.00	4,003.69	3,748.99	3,506.11	43.91	24.62	-138.64	1,201.66	-651.48	2,669.33	2,620.17	49.16	54.302		
4,700.00	4,085.22	3,816.56	3,567.61	45.15	25.16	-138.67	1,228.72	-658.60	2,733.63	2,683.36	50.27	54.374		
4,800.00	4,166.75	3,884.98	3,629.03	46.38	25.72	-138.64	1,258.09	-665.42	2,798.11	2,746.68	51.43	54.408		
4,900.00	4,248.27	3,947.75	3,685.15	47.61	26.24	-138.61	1,285.45	-671.83	2,862.90	2,810.39	52.51	54.520		
5,000.00	4,329.80	4,004.74	3,736.18	48.84	26.71	-138.58	1,310.06	-678.03	2,928.11	2,874.62	53.50	54.736		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T4N-R68W - JESSER 3E-10-1N - ORIGINAL WELLBORE - WB #1 - PATT 901													Offset Site Error:	0.00 usft
Survey Program: 127-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,411.33	4,081.24	3,805.03	50.08	27.33	-138.58	1,342.14	-687.11	2,993.81	2,939.05	54.76	54.668		
5,200.00	4,492.86	4,266.57	3,975.49	51.31	28.73	-138.77	1,412.08	-706.73	3,057.43	2,999.91	57.52	53.155		
5,300.00	4,574.38	4,360.89	4,063.25	52.54	29.41	-138.91	1,445.50	-715.56	3,119.92	3,060.99	58.94	52.938		
5,400.00	4,655.91	10,617.27	7,142.12	53.78	89.83	-118.36	2,709.73	2,335.42	3,082.63	2,998.81	83.82	36.777		
5,500.00	4,737.44	10,640.00	7,142.35	55.01	90.38	-118.02	2,709.75	2,358.15	3,005.88	2,919.60	86.27	34.841		
5,600.00	4,818.97	10,689.67	7,143.11	56.24	91.61	-117.27	2,710.03	2,407.81	2,929.74	2,840.78	88.96	32.934		
5,700.00	4,900.49	10,736.00	7,144.10	57.48	92.76	-116.54	2,710.60	2,454.12	2,854.45	2,762.72	91.73	31.119		
5,800.00	4,982.02	10,778.23	7,145.13	58.71	93.81	-115.86	2,711.25	2,496.34	2,779.81	2,685.22	94.59	29.388		
5,900.00	5,063.55	10,832.00	7,146.45	59.95	95.15	-114.96	2,712.03	2,550.08	2,705.63	2,608.03	97.61	27.719		
6,000.00	5,145.08	10,880.71	7,147.75	61.18	96.37	-114.11	2,712.77	2,598.78	2,632.07	2,531.35	100.73	26.131		
6,100.00	5,226.60	10,927.00	7,149.18	62.42	97.53	-113.29	2,713.55	2,645.03	2,559.29	2,455.34	103.96	24.619		
6,200.00	5,308.13	11,021.35	7,151.49	63.65	99.90	-111.51	2,715.07	2,739.35	2,486.79	2,379.31	107.48	23.138		
6,300.00	5,389.66	11,085.62	7,152.28	64.89	101.52	-110.22	2,716.06	2,803.60	2,414.41	2,303.36	111.05	21.742		
6,400.00	5,471.19	11,152.35	7,152.60	66.12	103.21	-108.81	2,717.24	2,870.32	2,342.53	2,227.75	114.79	20.408		
6,500.00	5,552.72	11,221.29	7,152.27	67.36	104.96	-107.26	2,718.56	2,939.24	2,271.13	2,152.43	118.70	19.133		
6,600.00	5,634.24	11,251.79	7,152.21	68.59	105.74	-106.56	2,719.22	2,969.74	2,200.79	2,078.10	122.70	17.937		
6,700.00	5,715.77	11,287.52	7,152.46	69.83	106.65	-105.71	2,720.10	3,005.46	2,131.92	2,005.04	126.88	16.803		
6,800.00	5,797.30	11,333.69	7,153.18	71.06	107.82	-104.60	2,721.39	3,051.60	2,064.55	1,933.29	131.26	15.729		
6,900.00	5,878.83	11,391.56	7,153.96	72.30	109.30	-103.15	2,723.14	3,109.44	1,998.38	1,862.52	135.85	14.710		
7,000.00	5,960.35	11,437.31	7,154.52	73.53	110.47	-101.96	2,724.66	3,155.16	1,933.58	1,792.95	140.63	13.749		
7,100.00	6,041.88	11,480.54	7,155.28	74.77	111.58	-100.81	2,726.28	3,198.35	1,870.59	1,724.99	145.60	12.848		
7,200.00	6,123.41	11,537.60	7,156.47	76.01	113.04	-99.24	2,728.64	3,255.35	1,809.46	1,658.69	150.77	12.002		
7,300.00	6,204.94	11,601.67	7,157.35	77.24	114.69	-97.41	2,731.25	3,319.37	1,749.81	1,593.68	156.14	11.207		
7,400.00	6,286.46	11,651.08	7,157.96	78.48	115.96	-95.95	2,733.33	3,368.73	1,692.14	1,530.46	161.68	10.466		
7,500.00	6,367.99	11,701.57	7,158.71	79.71	117.26	-94.41	2,735.60	3,419.16	1,636.84	1,469.47	167.36	9.780		
7,600.00	6,449.52	11,754.06	7,159.41	80.95	118.62	-92.76	2,738.17	3,471.58	1,584.08	1,410.90	173.18	9.147		
7,700.00	6,531.05	11,806.38	7,159.92	82.19	119.97	-91.07	2,740.96	3,523.82	1,534.11	1,355.02	179.09	8.566		
7,800.00	6,612.57	11,859.08	7,160.44	83.42	121.33	-89.32	2,743.91	3,576.44	1,487.20	1,302.18	185.03	8.038		
7,900.00	6,694.10	11,916.00	7,161.00	84.66	122.81	-87.39	2,747.18	3,633.26	1,443.61	1,252.69	190.92	7.561		
8,000.00	6,775.63	11,975.42	7,161.45	85.89	124.35	-85.32	2,750.51	3,692.58	1,403.43	1,206.74	196.69	7.135		
8,100.00	6,857.16	12,034.32	7,161.74	87.13	125.88	-83.22	2,753.70	3,751.39	1,366.97	1,164.75	202.23	6.760		
8,200.00	6,938.68	12,091.80	7,161.88	88.37	127.37	-81.13	2,756.73	3,808.80	1,334.59	1,127.16	207.43	6.434		
8,300.00	7,020.21	12,147.35	7,161.93	89.60	128.82	-79.08	2,759.64	3,864.27	1,306.67	1,094.50	212.18	6.158		
8,310.57	7,028.83	12,153.21	7,161.93	89.73	128.97	-78.86	2,759.95	3,870.12	1,304.00	1,091.35	212.65	6.132		
8,350.00	7,060.23	12,176.16	7,161.92	90.25	129.57	-81.01	2,761.15	3,893.04	1,294.79	1,080.41	214.38	6.040		
8,400.00	7,097.77	12,208.30	7,161.90	90.98	130.40	-82.95	2,762.83	3,925.14	1,285.00	1,068.43	216.57	5.933		
8,450.00	7,132.48	12,235.00	7,161.86	91.79	131.10	-84.47	2,764.23	3,951.80	1,277.21	1,058.44	218.76	5.838		
8,500.00	7,164.10	12,235.00	7,161.86	92.67	131.10	-86.24	2,764.23	3,951.80	1,272.04	1,051.13	220.91	5.758		
8,550.00	7,192.40	12,235.00	7,161.86	93.63	131.10	-87.46	2,764.23	3,951.80	1,269.86	1,046.98	222.87	5.698		
8,561.35	7,198.33	12,235.00	7,161.86	93.86	131.10	-87.66	2,764.23	3,951.80	1,269.78	1,046.48	223.29	5.687		
8,600.00	7,217.15	12,235.00	7,161.86	94.64	131.10	-88.16	2,764.23	3,951.80	1,270.68	1,046.06	224.62	5.657		
8,650.00	7,238.16	12,235.00	7,161.86	95.70	131.10	-88.40	2,764.23	3,951.80	1,274.50	1,048.36	226.14	5.636		
8,700.00	7,255.29	12,235.00	7,161.86	96.80	131.10	-88.20	2,764.23	3,951.80	1,281.26	1,053.86	227.40	5.634 SF		
8,750.00	7,268.39	12,235.00	7,161.86	97.92	131.10	-87.58	2,764.23	3,951.80	1,290.87	1,062.47	228.40	5.652		
8,800.00	7,277.37	12,235.00	7,161.86	99.06	131.10	-86.56	2,764.23	3,951.80	1,303.18	1,074.04	229.14	5.687		
8,850.00	7,282.15	12,235.00	7,161.86	100.20	131.10	-85.14	2,764.23	3,951.80	1,318.04	1,088.40	229.64	5.740		
8,881.61	7,283.00	12,235.00	7,161.86	100.91	131.10	-84.04	2,764.23	3,951.80	1,328.65	1,098.83	229.83	5.781		
8,900.00	7,283.00	12,235.00	7,161.86	101.33	131.10	-84.04	2,764.23	3,951.80	1,335.21	1,105.31	229.89	5.808		
9,000.00	7,283.00	12,235.00	7,161.86	103.59	131.10	-84.04	2,764.23	3,951.80	1,374.59	1,144.88	229.71	5.984		
9,100.00	7,283.00	12,235.00	7,161.86	105.87	131.10	-84.04	2,764.23	3,951.80	1,419.93	1,191.21	228.72	6.208		
9,200.00	7,283.00	12,235.00	7,161.86	108.18	131.10	-84.04	2,764.23	3,951.80	1,470.69	1,243.59	227.10	6.476		
9,300.00	7,283.00	12,235.00	7,161.86	110.50	131.10	-84.04	2,764.23	3,951.80	1,526.31	1,301.33	224.98	6.784		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T4N-R68W - JESSER 3E-10-1N - ORIGINAL WELLBORE - WB #1 - PATT 901													Offset Site Error:	0.00 usft
Survey Program: 127-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,400.00	7,283.00	12,235.00	7,161.86	112.84	131.10	-84.04	2,764.23	3,951.80	1,586.30	1,363.79	222.50	7.129		
9,500.00	7,283.00	12,235.00	7,161.86	115.19	131.10	-84.04	2,764.23	3,951.80	1,650.17	1,430.38	219.79	7.508		
9,600.00	7,283.00	12,235.00	7,161.86	117.56	131.10	-84.04	2,764.23	3,951.80	1,717.49	1,500.57	216.92	7.917		
9,700.00	7,283.00	12,235.00	7,161.86	119.95	131.10	-84.04	2,764.23	3,951.80	1,787.87	1,573.89	213.99	8.355		
9,800.00	7,283.00	12,235.00	7,161.86	122.34	131.10	-84.04	2,764.23	3,951.80	1,860.97	1,649.94	211.03	8.819		
9,900.00	7,283.00	12,235.00	7,161.86	124.76	131.10	-84.04	2,764.23	3,951.80	1,936.47	1,728.37	208.10	9.305		
10,000.00	7,283.00	12,235.00	7,161.86	127.18	131.10	-84.04	2,764.23	3,951.80	2,014.11	1,808.88	205.23	9.814		
10,100.00	7,283.00	12,235.00	7,161.86	129.61	131.10	-84.04	2,764.23	3,951.80	2,093.64	1,891.21	202.44	10.342		
10,200.00	7,283.00	12,235.00	7,161.86	132.06	131.10	-84.04	2,764.23	3,951.80	2,174.87	1,975.13	199.74	10.888		
10,300.00	7,283.00	12,235.00	7,161.86	134.52	131.10	-84.04	2,764.23	3,951.80	2,257.60	2,060.45	197.15	11.451		
10,400.00	7,283.00	12,235.00	7,161.86	136.98	131.10	-84.04	2,764.23	3,951.80	2,341.69	2,147.02	194.67	12.029		
10,500.00	7,283.00	12,235.00	7,161.86	139.46	131.10	-84.04	2,764.23	3,951.80	2,426.97	2,234.68	192.29	12.621		
10,600.00	7,283.00	12,235.00	7,161.86	141.94	131.10	-84.04	2,764.23	3,951.80	2,513.35	2,323.32	190.03	13.226		
10,700.00	7,283.00	12,235.00	7,161.86	144.44	131.10	-84.04	2,764.23	3,951.80	2,600.70	2,412.82	187.87	13.843		
10,800.00	7,283.00	12,235.00	7,161.86	146.94	131.10	-84.04	2,764.23	3,951.80	2,688.93	2,503.11	185.83	14.470		
10,900.00	7,283.00	12,235.00	7,161.86	149.45	131.10	-84.04	2,764.23	3,951.80	2,777.96	2,594.08	183.88	15.108		
11,000.00	7,283.00	12,235.00	7,161.86	151.96	131.10	-84.04	2,764.23	3,951.80	2,867.71	2,685.69	182.03	15.754		
11,100.00	7,283.00	12,235.00	7,161.86	154.49	131.10	-84.04	2,764.23	3,951.80	2,958.12	2,777.86	180.27	16.410		
11,200.00	7,283.00	12,235.00	7,161.86	157.01	131.10	-84.04	2,764.23	3,951.80	3,049.13	2,870.54	178.60	17.073		
11,300.00	7,283.00	12,235.00	7,161.86	159.55	131.10	-84.04	2,764.23	3,951.80	3,140.69	2,963.68	177.01	17.743		
11,400.00	7,283.00	12,235.00	7,161.86	162.09	131.10	-84.04	2,764.23	3,951.80	3,232.74	3,057.24	175.50	18.420		
11,500.00	7,283.00	12,235.00	7,161.86	164.64	131.10	-84.04	2,764.23	3,951.80	3,325.26	3,151.19	174.07	19.103		
11,600.00	7,283.00	12,235.00	7,161.86	167.19	131.10	-84.04	2,764.23	3,951.80	3,418.20	3,245.49	172.70	19.792		
11,700.00	7,283.00	12,235.00	7,161.86	169.75	131.10	-84.04	2,764.23	3,951.80	3,511.52	3,340.11	171.41	20.487		
11,800.00	7,283.00	12,235.00	7,161.86	172.31	131.10	-84.04	2,764.23	3,951.80	3,605.20	3,435.03	170.17	21.186		
11,900.00	7,283.00	12,235.00	7,161.86	174.88	131.10	-84.04	2,764.23	3,951.80	3,699.22	3,530.22	168.99	21.890		
12,000.00	7,283.00	12,235.00	7,161.86	177.45	131.10	-84.04	2,764.23	3,951.80	3,793.54	3,625.66	167.87	22.598		
12,100.00	7,283.00	12,235.00	7,161.86	180.03	131.10	-84.04	2,764.23	3,951.80	3,888.14	3,721.34	166.80	23.310		
12,200.00	7,283.00	12,235.00	7,161.86	182.61	131.10	-84.04	2,764.23	3,951.80	3,983.01	3,817.22	165.78	24.025		
12,300.00	7,283.00	12,235.00	7,161.86	185.19	131.10	-84.04	2,764.23	3,951.80	4,078.12	3,913.31	164.81	24.744		
12,400.00	7,283.00	12,235.00	7,161.86	187.78	131.10	-84.04	2,764.23	3,951.80	4,173.46	4,009.58	163.88	25.467		
12,500.00	7,283.00	12,235.00	7,161.86	190.37	131.10	-84.04	2,764.23	3,951.80	4,269.02	4,106.02	162.99	26.192		
12,600.00	7,283.00	12,235.00	7,161.86	192.97	131.10	-84.04	2,764.23	3,951.80	4,364.77	4,202.63	162.14	26.920		
12,700.00	7,283.00	12,235.00	7,161.86	195.57	131.10	-84.04	2,764.23	3,951.80	4,460.71	4,299.38	161.33	27.650		
12,800.00	7,283.00	12,235.00	7,161.86	198.17	131.10	-84.04	2,764.23	3,951.80	4,556.82	4,396.27	160.55	28.383		
12,900.00	7,283.00	12,235.00	7,161.86	200.77	131.10	-84.04	2,764.23	3,951.80	4,653.10	4,493.30	159.80	29.118		
13,000.00	7,283.00	12,235.00	7,161.86	203.38	131.10	-84.04	2,764.23	3,951.80	4,749.53	4,590.44	159.09	29.855		
13,100.00	7,283.00	12,235.00	7,161.86	205.99	131.10	-84.04	2,764.23	3,951.80	4,846.11	4,687.71	158.40	30.594		
13,200.00	7,283.00	12,235.00	7,161.86	208.61	131.10	-84.04	2,764.23	3,951.80	4,942.82	4,785.08	157.75	31.334		
13,300.00	7,283.00	12,235.00	7,161.86	211.22	131.10	-84.04	2,764.23	3,951.80	5,039.66	4,882.55	157.11	32.076		
13,400.00	7,283.00	12,235.00	7,161.86	213.84	131.10	-84.04	2,764.23	3,951.80	5,136.63	4,980.12	156.51	32.820		
13,500.00	7,283.00	12,235.00	7,161.86	216.47	131.10	-84.04	2,764.23	3,951.80	5,233.70	5,077.78	155.93	33.565		
13,600.00	7,283.00	12,235.00	7,161.86	219.09	131.10	-84.04	2,764.23	3,951.80	5,330.89	5,175.52	155.37	34.312		
13,700.00	7,283.00	12,235.00	7,161.86	221.72	131.10	-84.04	2,764.23	3,951.80	5,428.17	5,273.35	154.83	35.060		
13,800.00	7,283.00	12,235.00	7,161.86	224.34	131.10	-84.04	2,764.23	3,951.80	5,525.56	5,371.25	154.31	35.808		
13,900.00	7,283.00	12,235.00	7,161.86	226.97	131.10	-84.04	2,764.23	3,951.80	5,623.03	5,469.22	153.81	36.558		
14,000.00	7,283.00	12,235.00	7,161.86	229.61	131.10	-84.04	2,764.23	3,951.80	5,720.60	5,567.27	153.33	37.309		
14,100.00	7,283.00	12,235.00	7,161.86	232.24	131.10	-84.04	2,764.23	3,951.80	5,818.24	5,665.37	152.87	38.061		
14,200.00	7,283.00	12,235.00	7,161.86	234.88	131.10	-84.04	2,764.23	3,951.80	5,915.96	5,763.54	152.42	38.813		
14,300.00	7,283.00	12,235.00	7,161.86	237.52	131.10	-84.04	2,764.23	3,951.80	6,013.76	5,861.77	151.99	39.566		
14,400.00	7,283.00	12,235.00	7,161.86	240.16	131.10	-84.04	2,764.23	3,951.80	6,111.63	5,960.06	151.58	40.320		
14,500.00	7,283.00	12,235.00	7,161.86	242.80	131.10	-84.04	2,764.23	3,951.80	6,209.57	6,058.39	151.18	41.075		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 127-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,600.00	7,283.00	12,235.00	7,161.86	245.44	131.10	-84.04	2,764.23	3,951.80	6,307.57	6,156.78	150.79	41.829		
14,700.00	7,283.00	12,235.00	7,161.86	248.09	131.10	-84.04	2,764.23	3,951.80	6,405.64	6,255.22	150.42	42.585		
14,800.00	7,283.00	12,235.00	7,161.86	250.74	131.10	-84.04	2,764.23	3,951.80	6,503.76	6,353.70	150.06	43.341		
14,900.00	7,283.00	12,235.00	7,161.86	253.38	131.10	-84.04	2,764.23	3,951.80	6,601.94	6,452.23	149.71	44.097		
15,000.00	7,283.00	12,235.00	7,161.86	256.03	131.10	-84.04	2,764.23	3,951.80	6,700.18	6,550.80	149.38	44.854		
15,100.00	7,283.00	12,235.00	7,161.86	258.69	131.10	-84.04	2,764.23	3,951.80	6,798.46	6,649.41	149.05	45.611		
15,200.00	7,283.00	12,235.00	7,161.86	261.34	131.10	-84.04	2,764.23	3,951.80	6,896.80	6,748.06	148.74	46.368		
15,300.00	7,283.00	12,235.00	7,161.86	263.99	131.10	-84.04	2,764.23	3,951.80	6,995.18	6,846.74	148.44	47.126		
15,400.00	7,283.00	12,235.00	7,161.86	266.65	131.10	-84.04	2,764.23	3,951.80	7,093.60	6,945.46	148.14	47.883		
15,500.00	7,283.00	12,235.00	7,161.86	269.31	131.10	-84.04	2,764.23	3,951.80	7,192.07	7,044.21	147.86	48.641		
15,600.00	7,283.00	12,235.00	7,161.86	271.96	131.10	-84.04	2,764.23	3,951.80	7,290.59	7,143.00	147.59	49.399		
15,700.00	7,283.00	12,235.00	7,161.86	274.62	131.10	-84.04	2,764.23	3,951.80	7,389.14	7,241.82	147.32	50.157		
15,800.00	7,283.00	12,235.00	7,161.86	277.28	131.10	-84.04	2,764.23	3,951.80	7,487.73	7,340.66	147.06	50.915		
15,900.00	7,283.00	12,235.00	7,161.86	279.94	131.10	-84.04	2,764.23	3,951.80	7,586.36	7,439.54	146.81	51.673		
16,000.00	7,283.00	12,235.00	7,161.86	282.61	131.10	-84.04	2,764.23	3,951.80	7,685.02	7,538.44	146.57	52.431		
16,100.00	7,283.00	12,235.00	7,161.86	285.27	131.10	-84.04	2,764.23	3,951.80	7,783.71	7,637.37	146.34	53.189		
16,200.00	7,283.00	12,235.00	7,161.86	287.94	131.10	-84.04	2,764.23	3,951.80	7,882.44	7,736.33	146.11	53.947		
16,300.00	7,283.00	12,235.00	7,161.86	290.60	131.10	-84.04	2,764.23	3,951.80	7,981.21	7,835.31	145.90	54.705		
16,400.00	7,283.00	12,235.00	7,161.86	293.27	131.10	-84.04	2,764.23	3,951.80	8,080.00	7,934.31	145.68	55.463		
16,500.00	7,283.00	12,235.00	7,161.86	295.94	131.10	-84.04	2,764.23	3,951.80	8,178.82	8,033.34	145.48	56.220		
16,600.00	7,283.00	12,235.00	7,161.86	298.60	131.10	-84.04	2,764.23	3,951.80	8,277.67	8,132.39	145.28	56.978		
16,700.00	7,283.00	12,235.00	7,161.86	301.27	131.10	-84.04	2,764.23	3,951.80	8,376.54	8,231.46	145.09	57.735		
16,800.00	7,283.00	12,235.00	7,161.86	303.94	131.10	-84.04	2,764.23	3,951.80	8,475.45	8,330.55	144.90	58.492		
16,900.00	7,283.00	12,235.00	7,161.86	306.62	131.10	-84.04	2,764.23	3,951.80	8,574.38	8,429.66	144.72	59.249		
17,000.00	7,283.00	12,235.00	7,161.86	309.29	131.10	-84.04	2,764.23	3,951.80	8,673.33	8,528.79	144.54	60.006		
17,100.00	7,283.00	12,235.00	7,161.86	311.96	131.10	-84.04	2,764.23	3,951.80	8,772.31	8,627.93	144.37	60.762		
17,200.00	7,283.00	12,235.00	7,161.86	314.63	131.10	-84.04	2,764.23	3,951.80	8,871.31	8,727.10	144.21	61.518		
17,300.00	7,283.00	12,235.00	7,161.86	317.31	131.10	-84.04	2,764.23	3,951.80	8,970.33	8,826.28	144.05	62.274		
17,400.00	7,283.00	12,235.00	7,161.86	319.98	131.10	-84.04	2,764.23	3,951.80	9,069.37	8,925.48	143.89	63.029		
17,500.00	7,283.00	12,235.00	7,161.86	322.66	131.10	-84.04	2,764.23	3,951.80	9,168.44	9,024.70	143.74	63.784		
17,600.00	7,283.00	12,235.00	7,161.86	325.34	131.10	-84.04	2,764.23	3,951.80	9,267.52	9,123.93	143.60	64.539		
17,700.00	7,283.00	12,235.00	7,161.86	328.01	131.10	-84.04	2,764.23	3,951.80	9,366.62	9,223.17	143.45	65.294		
17,800.00	7,283.00	12,235.00	7,161.86	330.69	131.10	-84.04	2,764.23	3,951.80	9,465.75	9,322.43	143.32	66.048		
17,900.00	7,283.00	12,235.00	7,161.86	333.37	131.10	-84.04	2,764.23	3,951.80	9,564.89	9,421.70	143.18	66.802		
18,000.00	7,283.00	12,235.00	7,161.86	336.05	131.10	-84.04	2,764.23	3,951.80	9,664.05	9,520.99	143.05	67.555		
18,100.00	7,283.00	12,235.00	7,161.86	338.73	131.10	-84.04	2,764.23	3,951.80	9,763.22	9,620.29	142.93	68.308		
18,200.00	7,283.00	12,235.00	7,161.86	341.41	131.10	-84.04	2,764.23	3,951.80	9,862.41	9,719.61	142.81	69.060		
18,300.00	7,283.00	12,235.00	7,161.86	344.09	131.10	-84.04	2,764.23	3,951.80	9,961.62	9,818.93	142.69	69.812		
18,400.00	7,283.00	12,235.00	7,161.86	346.77	131.10	-84.04	2,764.23	3,951.80	10,060.85	9,918.27	142.58	70.564		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 125-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	6.93	6.93	0.00	0.01	-90.92	-5.47	-339.80	339.84					
100.00	100.00	105.86	105.86	0.27	0.15	-90.89	-5.30	-339.98	340.02	339.61	0.41	820.019		
200.00	200.00	203.83	203.82	0.63	0.45	-90.88	-5.22	-340.57	340.63	339.55	1.08	315.521 ES		
300.00	299.98	303.60	303.59	0.98	0.81	-160.64	-5.65	-341.56	343.27	341.48	1.79	191.796		
400.00	399.84	401.00	400.97	1.34	1.15	-160.69	-4.56	-343.04	349.70	347.20	2.50	140.117		
500.00	499.45	497.68	497.48	1.71	1.50	-160.24	0.56	-345.31	360.16	356.96	3.20	112.392		
600.00	598.70	596.28	595.52	2.10	1.87	-159.21	10.62	-347.84	374.12	370.18	3.93	95.092		
700.00	697.47	687.46	685.75	2.51	2.22	-157.94	23.26	-351.08	392.41	387.74	4.66	84.175		
800.00	795.62	780.00	776.84	2.95	2.60	-156.48	39.01	-355.41	415.25	409.83	5.42	76.622		
900.00	893.06	868.48	863.29	3.43	3.00	-154.90	57.08	-360.59	442.73	436.54	6.19	71.503		
1,000.00	989.64	957.45	949.53	3.95	3.43	-153.22	78.00	-366.99	475.00	468.00	7.00	67.860		
1,100.00	1,085.27	1,042.70	1,031.53	4.52	3.87	-151.60	100.23	-373.93	511.58	503.76	7.82	65.405		
1,200.00	1,179.82	1,126.14	1,111.20	5.14	4.33	-150.05	123.79	-381.69	552.54	543.87	8.66	63.769		
1,300.00	1,273.17	1,211.91	1,192.59	5.81	4.83	-148.56	149.44	-390.38	597.37	587.81	9.56	62.484		
1,400.00	1,365.21	1,301.33	1,277.04	6.54	5.37	-147.15	177.44	-399.27	645.04	634.51	10.53	61.266		
1,500.00	1,455.84	1,393.78	1,363.62	7.33	5.96	-145.70	208.79	-407.44	694.82	683.25	11.57	60.039		
1,600.00	1,544.94	1,477.53	1,442.15	8.19	6.50	-144.53	237.11	-414.18	746.48	733.90	12.58	59.337		
1,700.00	1,632.39	1,548.51	1,508.82	9.12	6.95	-143.61	260.49	-420.99	801.68	788.19	13.49	59.418		
1,800.00	1,718.11	1,621.29	1,577.50	10.11	7.41	-142.89	283.14	-429.17	860.23	845.80	14.43	59.629		
1,900.00	1,801.97	1,695.11	1,647.51	11.18	7.88	-142.37	304.61	-438.46	921.74	906.35	15.39	59.899		
1,969.27	1,858.92	1,750.02	1,699.40	11.96	8.23	-142.01	321.21	-445.27	965.67	949.56	16.11	59.953		
2,000.00	1,883.98	1,775.34	1,723.24	12.31	8.40	-142.14	329.20	-448.31	985.36	968.92	16.44	59.923		
2,100.00	1,965.50	1,862.15	1,804.50	13.48	8.97	-142.44	358.19	-457.89	1,048.98	1,031.38	17.60	59.590		
2,200.00	2,047.03	1,934.90	1,872.08	14.65	9.48	-142.55	384.04	-465.44	1,112.43	1,093.78	18.65	59.641		
2,300.00	2,128.56	2,015.52	1,946.55	15.84	10.06	-142.58	413.80	-473.65	1,175.96	1,156.15	19.81	59.355		
2,400.00	2,210.09	2,093.12	2,018.11	17.03	10.61	-142.57	442.85	-481.23	1,239.24	1,218.29	20.95	59.156		
2,500.00	2,291.61	2,171.32	2,090.61	18.23	11.17	-142.64	471.03	-489.22	1,302.65	1,280.56	22.09	58.957		
2,600.00	2,373.14	2,257.99	2,170.55	19.44	11.79	-142.63	503.54	-497.34	1,365.63	1,342.27	23.36	58.466		
2,700.00	2,454.67	2,337.65	2,244.22	20.64	12.36	-142.65	532.92	-504.63	1,428.36	1,403.82	24.54	58.200		
2,800.00	2,536.20	2,430.12	2,329.55	21.86	13.03	-142.62	567.68	-512.45	1,490.65	1,464.75	25.90	57.560		
2,900.00	2,617.72	2,500.82	2,394.37	23.07	13.56	-142.55	595.37	-518.03	1,552.75	1,525.75	27.01	57.492		
3,000.00	2,699.25	2,570.58	2,458.31	24.29	14.07	-142.49	622.63	-523.90	1,615.26	1,587.15	28.11	57.468		
3,100.00	2,780.78	2,641.14	2,523.06	25.50	14.60	-142.44	649.93	-530.27	1,678.17	1,648.96	29.21	57.450		
3,200.00	2,862.31	2,717.00	2,593.18	26.73	15.15	-142.46	677.93	-537.60	1,741.29	1,710.92	30.37	57.339		
3,300.00	2,943.83	2,800.70	2,671.27	27.95	15.73	-142.57	706.85	-545.99	1,804.32	1,772.73	31.59	57.117		
3,400.00	3,025.36	2,880.49	2,745.95	29.17	16.28	-142.69	733.84	-553.88	1,867.13	1,834.37	32.76	56.993		
3,500.00	3,106.89	2,954.49	2,814.87	30.40	16.80	-142.76	759.79	-561.02	1,929.96	1,896.10	33.87	56.990		
3,600.00	3,188.42	3,026.43	2,882.24	31.62	17.30	-142.86	783.91	-568.40	1,993.03	1,958.09	34.93	57.050		
3,700.00	3,269.94	3,100.00	2,951.14	32.85	17.80	-142.97	808.52	-576.12	2,056.27	2,020.25	36.02	57.089		
3,800.00	3,351.47	3,165.17	3,011.96	34.07	18.26	-143.03	830.88	-583.10	2,119.80	2,082.79	37.01	57.278		
3,900.00	3,433.00	3,252.15	3,092.73	35.30	18.88	-143.08	861.75	-592.46	2,183.58	2,145.28	38.30	57.015		
4,000.00	3,514.53	3,356.45	3,189.39	36.53	19.63	-143.10	899.67	-602.40	2,246.51	2,206.67	39.83	56.396		
4,100.00	3,596.05	3,466.52	3,291.75	37.76	20.41	-143.13	939.03	-611.63	2,308.47	2,267.05	41.43	55.722		
4,200.00	3,677.58	3,556.75	3,376.75	38.99	21.01	-143.25	968.44	-618.83	2,369.63	2,326.91	42.72	55.472		
4,300.00	3,759.11	3,634.69	3,450.27	40.22	21.52	-143.35	993.59	-624.93	2,430.64	2,386.79	43.85	55.431		
4,400.00	3,840.64	3,694.71	3,506.78	41.45	21.93	-143.41	1,013.22	-629.73	2,491.88	2,447.12	44.77	55.663		
4,500.00	3,922.16	3,738.35	3,547.60	42.68	22.23	-143.44	1,028.15	-633.66	2,554.10	2,508.62	45.48	56.156		
4,600.00	4,003.69	3,787.95	3,593.66	43.91	22.58	-143.46	1,045.88	-638.66	2,617.34	2,571.06	46.28	56.558		
4,700.00	4,085.22	3,852.35	3,653.23	45.15	23.05	-143.46	1,069.37	-645.49	2,681.11	2,633.83	47.28	56.704		
4,800.00	4,166.75	3,914.66	3,710.74	46.38	23.51	-143.45	1,092.33	-652.35	2,745.26	2,697.00	48.26	56.882		
4,900.00	4,248.27	3,979.86	3,770.87	47.61	23.99	-143.45	1,116.38	-659.87	2,809.81	2,760.53	49.28	57.015		
5,000.00	4,329.80	4,055.00	3,840.34	48.84	24.54	-143.46	1,143.63	-668.76	2,874.50	2,824.07	50.43	56.995		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T4N-R68W - JESSER 3E-10-2C - ORIGINAL WELLBORE - WB #1 - PATT 901													Offset Site Error:	0.00 usft
Survey Program: 125-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,411.33	4,204.98	3,979.91	50.08	25.61	-143.52	1,196.07	-684.91	2,938.15	2,885.56	52.58	55.878		
5,200.00	4,492.86	4,322.00	4,089.86	51.31	26.40	-143.63	1,234.64	-695.70	3,000.33	2,946.10	54.23	55.321		
5,300.00	4,574.38	4,430.68	4,191.73	52.54	27.14	-143.68	1,271.53	-704.34	3,061.69	3,005.90	55.79	54.877		
5,400.00	4,655.91	10,760.00	7,275.12	53.78	91.46	-126.59	2,394.21	2,408.69	3,021.52	2,946.88	74.63	40.486		
5,500.00	4,737.44	10,793.18	7,274.50	55.01	92.29	-126.13	2,394.26	2,441.86	2,940.19	2,863.48	76.71	38.329		
5,600.00	4,818.97	10,820.19	7,274.02	56.24	92.97	-125.74	2,394.77	2,468.86	2,859.57	2,780.70	78.87	36.257		
5,700.00	4,900.49	10,855.00	7,273.45	57.48	93.85	-125.20	2,396.07	2,503.64	2,779.70	2,698.53	81.18	34.242		
5,800.00	4,982.02	10,881.91	7,273.14	58.71	94.53	-124.77	2,397.28	2,530.52	2,700.54	2,616.98	83.57	32.317		
5,900.00	5,063.55	10,919.61	7,273.07	59.95	95.48	-124.16	2,398.79	2,568.19	2,622.06	2,535.96	86.10	30.455		
6,000.00	5,145.08	10,951.00	7,273.35	61.18	96.27	-123.65	2,399.87	2,599.56	2,544.27	2,455.56	88.71	28.679		
6,100.00	5,226.60	10,983.29	7,274.01	62.42	97.09	-123.12	2,400.97	2,631.83	2,467.36	2,375.90	91.46	26.978		
6,200.00	5,308.13	11,011.50	7,274.94	63.65	97.81	-122.64	2,402.06	2,660.00	2,391.50	2,297.18	94.32	25.354		
6,300.00	5,389.66	11,046.00	7,276.55	64.89	98.69	-122.05	2,403.55	2,694.43	2,316.76	2,219.42	97.34	23.800		
6,400.00	5,471.19	11,131.80	7,280.72	66.12	100.87	-120.51	2,406.88	2,780.06	2,242.52	2,141.95	100.57	22.298		
6,500.00	5,552.72	11,364.91	7,285.66	67.36	106.81	-115.88	2,404.87	3,013.02	2,165.39	2,061.85	103.55	20.912		
6,600.00	5,634.24	11,463.97	7,285.92	68.59	109.33	-113.69	2,398.30	3,111.86	2,086.38	1,979.85	106.54	19.583		
6,700.00	5,715.77	11,539.43	7,285.36	69.83	111.25	-111.89	2,392.16	3,187.06	2,006.93	1,897.19	109.74	18.288		
6,800.00	5,797.30	11,591.36	7,284.58	71.06	112.57	-110.54	2,388.03	3,238.82	1,927.79	1,814.48	113.31	17.013		
6,900.00	5,878.83	11,638.30	7,283.62	72.30	113.77	-109.24	2,384.61	3,285.63	1,849.27	1,732.10	117.16	15.784		
7,000.00	5,960.35	11,680.15	7,282.69	73.53	114.84	-108.00	2,381.94	3,327.39	1,771.67	1,650.33	121.33	14.602		
7,100.00	6,041.88	11,714.00	7,281.89	74.77	115.71	-106.95	2,380.05	3,361.17	1,695.17	1,569.29	125.88	13.466		
7,200.00	6,123.41	11,753.07	7,281.02	76.01	116.72	-105.68	2,378.33	3,400.20	1,620.07	1,489.35	130.72	12.393		
7,300.00	6,204.94	11,786.55	7,280.37	77.24	117.58	-104.53	2,377.35	3,433.65	1,546.70	1,410.73	135.98	11.375		
7,400.00	6,286.46	11,826.00	7,279.73	78.48	118.60	-103.12	2,376.73	3,473.09	1,475.23	1,333.67	141.56	10.421		
7,500.00	6,367.99	11,875.81	7,278.86	79.71	119.89	-101.24	2,376.24	3,522.89	1,405.50	1,258.06	147.45	9.532		
7,600.00	6,449.52	11,922.62	7,277.99	80.95	121.11	-99.39	2,375.98	3,569.69	1,337.68	1,183.92	153.76	8.700		
7,700.00	6,531.05	11,966.15	7,277.46	82.19	122.24	-97.59	2,375.88	3,613.22	1,272.27	1,111.77	160.50	7.927		
7,800.00	6,612.57	12,000.00	7,277.30	83.42	123.12	-96.15	2,375.90	3,647.07	1,209.70	1,041.99	167.71	7.213		
7,900.00	6,694.10	12,051.97	7,277.55	84.66	124.47	-93.87	2,376.20	3,699.03	1,150.29	975.26	175.03	6.572		
8,000.00	6,775.63	12,095.00	7,278.30	85.89	125.59	-91.91	2,376.74	3,742.06	1,094.69	911.99	182.70	5.992		
8,100.00	6,857.16	12,146.69	7,279.58	87.13	126.94	-89.49	2,377.66	3,793.72	1,043.16	852.78	190.38	5.479		
8,200.00	6,938.68	12,191.00	7,280.83	88.37	128.10	-87.33	2,378.61	3,838.01	996.11	797.97	198.13	5.027		
8,300.00	7,020.21	12,241.12	7,282.49	89.60	129.41	-84.83	2,380.15	3,888.08	954.38	748.83	205.55	4.643		
8,310.57	7,028.83	12,245.83	7,282.66	89.73	129.53	-84.59	2,380.33	3,892.78	950.32	744.01	206.32	4.606		
8,350.00	7,060.23	12,264.35	7,283.37	90.25	130.02	-87.17	2,381.11	3,911.26	936.22	727.10	209.12	4.477		
8,400.00	7,097.77	12,291.64	7,284.49	90.98	130.73	-89.50	2,382.44	3,938.50	920.93	708.37	212.56	4.333		
8,450.00	7,132.48	12,328.39	7,286.04	91.79	131.70	-90.79	2,384.31	3,975.17	908.30	692.51	215.79	4.209		
8,500.00	7,164.10	12,367.94	7,287.71	92.67	132.73	-91.53	2,386.33	4,014.64	898.09	679.20	218.88	4.103		
8,550.00	7,192.40	12,410.01	7,289.49	93.63	133.83	-91.87	2,388.48	4,056.61	890.10	668.25	221.85	4.012		
8,600.00	7,217.15	12,415.00	7,289.70	94.64	133.96	-92.99	2,388.73	4,061.59	884.99	660.04	224.95	3.934		
8,635.97	7,232.65	12,415.00	7,289.70	95.40	133.96	-93.55	2,388.73	4,061.59	883.89	657.04	226.85	3.896		
8,650.00	7,238.16	12,415.00	7,289.70	95.70	133.96	-93.69	2,388.73	4,061.59	884.06	656.57	227.49	3.886		
8,700.00	7,255.29	12,415.00	7,289.70	96.80	133.96	-93.84	2,388.73	4,061.59	887.35	657.98	229.37	3.869 SF		
8,750.00	7,268.39	12,415.00	7,289.70	97.92	133.96	-93.46	2,388.73	4,061.59	894.78	664.24	230.55	3.881		
8,800.00	7,277.37	12,415.00	7,289.70	99.06	133.96	-92.56	2,388.73	4,061.59	906.21	675.15	231.05	3.922		
8,850.00	7,282.15	12,415.00	7,289.70	100.20	133.96	-91.14	2,388.73	4,061.59	921.38	690.45	230.93	3.990		
8,881.61	7,283.00	12,415.00	7,289.70	100.91	133.96	-89.98	2,388.73	4,061.59	932.78	702.22	230.56	4.046		
8,900.00	7,283.00	12,415.00	7,289.70	101.33	133.96	-89.98	2,388.73	4,061.59	939.96	709.70	230.26	4.082		
9,000.00	7,283.00	12,415.00	7,289.70	103.59	133.96	-89.98	2,388.73	4,061.59	984.07	756.42	227.65	4.323		
9,100.00	7,283.00	12,415.00	7,289.70	105.87	133.96	-89.98	2,388.73	4,061.59	1,035.99	812.17	223.83	4.629		
9,200.00	7,283.00	12,415.00	7,289.70	108.18	133.96	-89.98	2,388.73	4,061.59	1,094.61	875.38	219.23	4.993		
9,300.00	7,283.00	12,415.00	7,289.70	110.50	133.96	-89.98	2,388.73	4,061.59	1,158.90	944.67	214.23	5.410		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 125-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,400.00	7,283.00	12,415.00	7,289.70	112.84	133.96	-89.98	2,388.73	4,061.59	1,227.97	1,018.88	209.10	5.873		
9,500.00	7,283.00	12,415.00	7,289.70	115.19	133.96	-89.98	2,388.73	4,061.59	1,301.08	1,097.06	204.02	6.377		
9,600.00	7,283.00	12,415.00	7,289.70	117.56	133.96	-89.98	2,388.73	4,061.59	1,377.56	1,178.46	199.11	6.919		
9,700.00	7,283.00	12,415.00	7,289.70	119.95	133.96	-89.98	2,388.73	4,061.59	1,456.90	1,262.47	194.43	7.493		
9,800.00	7,283.00	12,415.00	7,289.70	122.34	133.96	-89.98	2,388.73	4,061.59	1,538.65	1,348.62	190.03	8.097		
9,900.00	7,283.00	12,415.00	7,289.70	124.76	133.96	-89.98	2,388.73	4,061.59	1,622.44	1,436.52	185.92	8.726		
10,000.00	7,283.00	12,415.00	7,289.70	127.18	133.96	-89.98	2,388.73	4,061.59	1,707.98	1,525.88	182.10	9.379		
10,100.00	7,283.00	12,415.00	7,289.70	129.61	133.96	-89.98	2,388.73	4,061.59	1,795.02	1,616.46	178.55	10.053		
10,200.00	7,283.00	12,415.00	7,289.70	132.06	133.96	-89.98	2,388.73	4,061.59	1,883.34	1,708.07	175.27	10.745		
10,300.00	7,283.00	12,415.00	7,289.70	134.52	133.96	-89.98	2,388.73	4,061.59	1,972.78	1,800.55	172.23	11.454		
10,400.00	7,283.00	12,415.00	7,289.70	136.98	133.96	-89.98	2,388.73	4,061.59	2,063.19	1,893.77	169.42	12.178		
10,500.00	7,283.00	12,415.00	7,289.70	139.46	133.96	-89.98	2,388.73	4,061.59	2,154.44	1,987.63	166.81	12.915		
10,600.00	7,283.00	12,415.00	7,289.70	141.94	133.96	-89.98	2,388.73	4,061.59	2,246.44	2,082.04	164.40	13.664		
10,700.00	7,283.00	12,415.00	7,289.70	144.44	133.96	-89.98	2,388.73	4,061.59	2,339.10	2,176.93	162.16	14.424		
10,800.00	7,283.00	12,415.00	7,289.70	146.94	133.96	-89.98	2,388.73	4,061.59	2,432.34	2,272.25	160.09	15.194		
10,900.00	7,283.00	12,415.00	7,289.70	149.45	133.96	-89.98	2,388.73	4,061.59	2,526.09	2,367.94	158.16	15.972		
11,000.00	7,283.00	12,415.00	7,289.70	151.96	133.96	-89.98	2,388.73	4,061.59	2,620.31	2,463.95	156.36	16.758		
11,100.00	7,283.00	12,415.00	7,289.70	154.49	133.96	-89.98	2,388.73	4,061.59	2,714.94	2,560.26	154.68	17.552		
11,200.00	7,283.00	12,415.00	7,289.70	157.01	133.96	-89.98	2,388.73	4,061.59	2,809.94	2,656.82	153.12	18.351		
11,300.00	7,283.00	12,415.00	7,289.70	159.55	133.96	-89.98	2,388.73	4,061.59	2,905.28	2,753.62	151.66	19.157		
11,400.00	7,283.00	12,415.00	7,289.70	162.09	133.96	-89.98	2,388.73	4,061.59	3,000.92	2,850.63	150.29	19.967		
11,500.00	7,283.00	12,415.00	7,289.70	164.64	133.96	-89.98	2,388.73	4,061.59	3,096.84	2,947.83	149.01	20.783		
11,600.00	7,283.00	12,415.00	7,289.70	167.19	133.96	-89.98	2,388.73	4,061.59	3,193.01	3,045.20	147.81	21.603		
11,700.00	7,283.00	12,415.00	7,289.70	169.75	133.96	-89.98	2,388.73	4,061.59	3,289.41	3,142.73	146.68	22.426		
11,800.00	7,283.00	12,415.00	7,289.70	172.31	133.96	-89.98	2,388.73	4,061.59	3,386.01	3,240.40	145.61	23.253		
11,900.00	7,283.00	12,415.00	7,289.70	174.88	133.96	-89.98	2,388.73	4,061.59	3,482.81	3,338.20	144.61	24.084		
12,000.00	7,283.00	12,415.00	7,289.70	177.45	133.96	-89.98	2,388.73	4,061.59	3,579.78	3,436.11	143.67	24.917		
12,100.00	7,283.00	12,415.00	7,289.70	180.03	133.96	-89.98	2,388.73	4,061.59	3,676.92	3,534.14	142.78	25.753		
12,200.00	7,283.00	12,415.00	7,289.70	182.61	133.96	-89.98	2,388.73	4,061.59	3,774.20	3,632.27	141.93	26.591		
12,300.00	7,283.00	12,415.00	7,289.70	185.19	133.96	-89.98	2,388.73	4,061.59	3,871.62	3,730.49	141.14	27.432		
12,400.00	7,283.00	12,415.00	7,289.70	187.78	133.96	-89.98	2,388.73	4,061.59	3,969.18	3,828.79	140.38	28.274		
12,500.00	7,283.00	12,415.00	7,289.70	190.37	133.96	-89.98	2,388.73	4,061.59	4,066.85	3,927.18	139.67	29.118		
12,600.00	7,283.00	12,415.00	7,289.70	192.97	133.96	-89.98	2,388.73	4,061.59	4,164.63	4,025.64	138.99	29.964		
12,700.00	7,283.00	12,415.00	7,289.70	195.57	133.96	-89.98	2,388.73	4,061.59	4,262.51	4,124.17	138.34	30.811		
12,800.00	7,283.00	12,415.00	7,289.70	198.17	133.96	-89.98	2,388.73	4,061.59	4,360.49	4,222.76	137.73	31.659		
12,900.00	7,283.00	12,415.00	7,289.70	200.77	133.96	-89.98	2,388.73	4,061.59	4,458.56	4,321.41	137.15	32.509		
13,000.00	7,283.00	12,415.00	7,289.70	203.38	133.96	-89.98	2,388.73	4,061.59	4,556.71	4,420.12	136.59	33.360		
13,100.00	7,283.00	12,415.00	7,289.70	205.99	133.96	-89.98	2,388.73	4,061.59	4,654.95	4,518.88	136.07	34.211		
13,200.00	7,283.00	12,415.00	7,289.70	208.61	133.96	-89.98	2,388.73	4,061.59	4,753.25	4,617.69	135.56	35.063		
13,300.00	7,283.00	12,415.00	7,289.70	211.22	133.96	-89.98	2,388.73	4,061.59	4,851.63	4,716.55	135.08	35.916		
13,400.00	7,283.00	12,415.00	7,289.70	213.84	133.96	-89.98	2,388.73	4,061.59	4,950.07	4,815.44	134.62	36.770		
13,500.00	7,283.00	12,415.00	7,289.70	216.47	133.96	-89.98	2,388.73	4,061.59	5,048.57	4,914.38	134.18	37.624		
13,600.00	7,283.00	12,415.00	7,289.70	219.09	133.96	-89.98	2,388.73	4,061.59	5,147.13	5,013.36	133.77	38.479		
13,700.00	7,283.00	12,415.00	7,289.70	221.72	133.96	-89.98	2,388.73	4,061.59	5,245.74	5,112.38	133.37	39.334		
13,800.00	7,283.00	12,415.00	7,289.70	224.34	133.96	-89.98	2,388.73	4,061.59	5,344.41	5,211.42	132.98	40.189		
13,900.00	7,283.00	12,415.00	7,289.70	226.97	133.96	-89.98	2,388.73	4,061.59	5,443.12	5,310.51	132.62	41.044		
14,000.00	7,283.00	12,415.00	7,289.70	229.61	133.96	-89.98	2,388.73	4,061.59	5,541.88	5,409.62	132.26	41.900		
14,100.00	7,283.00	12,415.00	7,289.70	232.24	133.96	-89.98	2,388.73	4,061.59	5,640.69	5,508.76	131.93	42.756		
14,200.00	7,283.00	12,415.00	7,289.70	234.88	133.96	-89.98	2,388.73	4,061.59	5,739.53	5,607.92	131.61	43.612		
14,300.00	7,283.00	12,415.00	7,289.70	237.52	133.96	-89.98	2,388.73	4,061.59	5,838.42	5,707.12	131.30	44.467		
14,400.00	7,283.00	12,415.00	7,289.70	240.16	133.96	-89.98	2,388.73	4,061.59	5,937.34	5,806.34	131.00	45.323		
14,500.00	7,283.00	12,415.00	7,289.70	242.80	133.96	-89.98	2,388.73	4,061.59	6,036.29	5,905.58	130.71	46.179		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 125-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,600.00	7,283.00	12,415.00	7,289.70	245.44	133.96	-89.98	2,388.73	4,061.59	6,135.29	6,004.84	130.44	47.035		
14,700.00	7,283.00	12,415.00	7,289.70	248.09	133.96	-89.98	2,388.73	4,061.59	6,234.31	6,104.13	130.18	47.890		
14,800.00	7,283.00	12,415.00	7,289.70	250.74	133.96	-89.98	2,388.73	4,061.59	6,333.36	6,203.44	129.93	48.746		
14,900.00	7,283.00	12,415.00	7,289.70	253.38	133.96	-89.98	2,388.73	4,061.59	6,432.45	6,302.76	129.68	49.601		
15,000.00	7,283.00	12,415.00	7,289.70	256.03	133.96	-89.98	2,388.73	4,061.59	6,531.56	6,402.11	129.45	50.456		
15,100.00	7,283.00	12,415.00	7,289.70	258.69	133.96	-89.98	2,388.73	4,061.59	6,630.70	6,501.47	129.23	51.310		
15,200.00	7,283.00	12,415.00	7,289.70	261.34	133.96	-89.98	2,388.73	4,061.59	6,729.86	6,600.85	129.01	52.164		
15,300.00	7,283.00	12,415.00	7,289.70	263.99	133.96	-89.98	2,388.73	4,061.59	6,829.05	6,700.24	128.81	53.018		
15,400.00	7,283.00	12,415.00	7,289.70	266.65	133.96	-89.98	2,388.73	4,061.59	6,928.26	6,799.65	128.61	53.872		
15,500.00	7,283.00	12,415.00	7,289.70	269.31	133.96	-89.98	2,388.73	4,061.59	7,027.49	6,899.08	128.41	54.725		
15,600.00	7,283.00	12,415.00	7,289.70	271.96	133.96	-89.98	2,388.73	4,061.59	7,126.75	6,998.52	128.23	55.578		
15,700.00	7,283.00	12,415.00	7,289.70	274.62	133.96	-89.98	2,388.73	4,061.59	7,226.02	7,097.97	128.05	56.430		
15,800.00	7,283.00	12,415.00	7,289.70	277.28	133.96	-89.98	2,388.73	4,061.59	7,325.32	7,197.44	127.88	57.282		
15,900.00	7,283.00	12,415.00	7,289.70	279.94	133.96	-89.98	2,388.73	4,061.59	7,424.63	7,296.92	127.72	58.133		
16,000.00	7,283.00	12,415.00	7,289.70	282.61	133.96	-89.98	2,388.73	4,061.59	7,523.97	7,396.41	127.56	58.984		
16,100.00	7,283.00	12,415.00	7,289.70	285.27	133.96	-89.98	2,388.73	4,061.59	7,623.32	7,495.91	127.41	59.834		
16,200.00	7,283.00	12,415.00	7,289.70	287.94	133.96	-89.98	2,388.73	4,061.59	7,722.68	7,595.42	127.26	60.684		
16,300.00	7,283.00	12,415.00	7,289.70	290.60	133.96	-89.98	2,388.73	4,061.59	7,822.07	7,694.95	127.12	61.533		
16,400.00	7,283.00	12,415.00	7,289.70	293.27	133.96	-89.98	2,388.73	4,061.59	7,921.46	7,794.48	126.98	62.382		
16,500.00	7,283.00	12,415.00	7,289.70	295.94	133.96	-89.98	2,388.73	4,061.59	8,020.88	7,894.02	126.85	63.230		
16,600.00	7,283.00	12,415.00	7,289.70	298.60	133.96	-89.98	2,388.73	4,061.59	8,120.31	7,993.58	126.73	64.077		
16,700.00	7,283.00	12,415.00	7,289.70	301.27	133.96	-89.98	2,388.73	4,061.59	8,219.75	8,093.14	126.61	64.924		
16,800.00	7,283.00	12,415.00	7,289.70	303.94	133.96	-89.98	2,388.73	4,061.59	8,319.20	8,192.71	126.49	65.770		
16,900.00	7,283.00	12,415.00	7,289.70	306.62	133.96	-89.98	2,388.73	4,061.59	8,418.67	8,292.29	126.38	66.615		
17,000.00	7,283.00	12,415.00	7,289.70	309.29	133.96	-89.98	2,388.73	4,061.59	8,518.15	8,391.88	126.27	67.460		
17,100.00	7,283.00	12,415.00	7,289.70	311.96	133.96	-89.98	2,388.73	4,061.59	8,617.64	8,491.48	126.17	68.304		
17,200.00	7,283.00	12,415.00	7,289.70	314.63	133.96	-89.98	2,388.73	4,061.59	8,717.15	8,591.08	126.07	69.147		
17,300.00	7,283.00	12,415.00	7,289.70	317.31	133.96	-89.98	2,388.73	4,061.59	8,816.66	8,690.69	125.97	69.990		
17,400.00	7,283.00	12,415.00	7,289.70	319.98	133.96	-89.98	2,388.73	4,061.59	8,916.19	8,790.31	125.88	70.832		
17,500.00	7,283.00	12,415.00	7,289.70	322.66	133.96	-89.98	2,388.73	4,061.59	9,015.72	8,889.93	125.79	71.673		
17,600.00	7,283.00	12,415.00	7,289.70	325.34	133.96	-89.98	2,388.73	4,061.59	9,115.27	8,989.57	125.70	72.513		
17,700.00	7,283.00	12,415.00	7,289.70	328.01	133.96	-89.98	2,388.73	4,061.59	9,214.83	9,089.20	125.62	73.353		
17,800.00	7,283.00	12,415.00	7,289.70	330.69	133.96	-89.98	2,388.73	4,061.59	9,314.39	9,188.85	125.54	74.192		
17,900.00	7,283.00	12,415.00	7,289.70	333.37	133.96	-89.98	2,388.73	4,061.59	9,413.97	9,288.50	125.47	75.030		
18,000.00	7,283.00	12,415.00	7,289.70	336.05	133.96	-89.98	2,388.73	4,061.59	9,513.55	9,388.16	125.40	75.867		
18,100.00	7,283.00	12,415.00	7,289.70	338.73	133.96	-89.98	2,388.73	4,061.59	9,613.15	9,487.82	125.33	76.703		
18,200.00	7,283.00	12,415.00	7,289.70	341.41	133.96	-89.98	2,388.73	4,061.59	9,712.75	9,587.48	125.26	77.539		
18,300.00	7,283.00	12,415.00	7,289.70	344.09	133.96	-89.98	2,388.73	4,061.59	9,812.36	9,687.16	125.20	78.374		
18,400.00	7,283.00	12,415.00	7,289.70	346.77	133.96	-89.98	2,388.73	4,061.59	9,911.97	9,786.83	125.14	79.208		
18,500.00	7,283.00	12,415.00	7,289.70	349.46	133.96	-89.98	2,388.73	4,061.59	10,011.60	9,886.52	125.08	80.041		
18,600.00	7,283.00	12,415.00	7,289.70	352.14	133.96	-89.98	2,388.73	4,061.59	10,111.23	9,986.20	125.03	80.873		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 125-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	6.95	6.95	0.00	0.01	-90.91	-5.10	-319.73	319.77					
100.00	100.00	106.22	106.22	0.27	0.15	-90.96	-5.39	-319.85	319.90	319.48	0.42	770.255 ES		
200.00	200.00	202.75	202.74	0.63	0.45	-91.05	-5.90	-320.52	320.60	319.53	1.08	297.529		
300.00	299.98	300.50	300.49	0.98	0.80	-160.80	-6.27	-322.18	323.96	322.18	1.78	181.715		
400.00	399.84	398.18	398.13	1.34	1.15	-161.15	-6.91	-324.43	331.22	328.72	2.49	132.799		
500.00	499.45	499.51	499.42	1.71	1.51	-161.37	-5.83	-326.85	341.82	338.61	3.21	106.395		
600.00	598.70	598.76	598.51	2.10	1.86	-161.07	-0.73	-329.03	355.39	351.46	3.93	90.531		
700.00	697.47	696.39	696.68	2.51	2.21	-160.31	8.31	-331.29	372.25	367.60	4.65	80.097		
800.00	795.62	787.74	786.15	2.95	2.55	-159.20	20.57	-334.39	393.42	388.05	5.37	73.255		
900.00	893.06	879.96	876.75	3.43	2.92	-157.69	37.17	-338.67	419.15	413.03	6.13	68.418		
1,000.00	989.64	971.61	966.18	3.95	3.33	-156.05	56.63	-343.63	449.05	442.13	6.91	64.941		
1,100.00	1,085.27	1,061.73	1,053.65	4.52	3.75	-154.47	77.56	-349.06	482.90	475.17	7.73	62.471		
1,200.00	1,179.82	1,155.63	1,144.43	5.14	4.21	-152.95	100.89	-354.83	520.10	511.50	8.60	60.454		
1,300.00	1,273.17	1,240.59	1,226.56	5.81	4.64	-151.79	121.94	-360.37	560.65	551.21	9.45	59.351		
1,400.00	1,365.21	1,325.15	1,308.28	6.54	5.08	-150.85	142.64	-366.80	604.99	594.68	10.31	58.687		
1,500.00	1,455.84	1,404.49	1,384.64	7.33	5.51	-149.98	163.15	-373.49	652.94	641.78	11.16	58.494		
1,600.00	1,544.94	1,481.61	1,458.50	8.19	5.94	-149.14	184.04	-380.96	704.74	692.71	12.03	58.585		
1,700.00	1,632.39	1,559.53	1,532.53	9.12	6.39	-148.24	206.93	-389.06	759.94	747.00	12.94	58.738		
1,800.00	1,718.11	1,639.97	1,608.87	10.11	6.87	-147.43	230.77	-397.68	817.89	803.99	13.90	58.834		
1,900.00	1,801.97	1,714.80	1,679.88	11.18	7.33	-146.70	252.91	-405.90	878.43	863.58	14.84	59.187		
1,969.27	1,858.92	1,762.00	1,724.42	11.96	7.62	-146.16	267.57	-411.27	922.04	906.58	15.46	59.625		
2,000.00	1,883.98	1,784.28	1,745.37	12.31	7.76	-146.19	274.71	-413.88	941.73	925.97	15.76	59.741		
2,100.00	1,965.50	1,850.09	1,806.86	13.48	8.19	-146.21	296.73	-421.90	1,006.36	989.69	16.66	60.391		
2,200.00	2,047.03	1,920.71	1,872.53	14.65	8.67	-146.18	321.05	-430.99	1,071.60	1,053.97	17.64	60.762		
2,300.00	2,128.56	1,995.87	1,942.55	15.84	9.17	-146.19	346.49	-440.97	1,137.10	1,118.43	18.67	60.916		
2,400.00	2,210.09	2,075.20	2,016.51	17.03	9.71	-146.20	373.23	-451.35	1,202.43	1,182.68	19.75	60.875		
2,500.00	2,291.61	2,160.48	2,096.21	18.23	10.29	-146.24	401.55	-462.25	1,267.48	1,246.57	20.91	60.604		
2,600.00	2,373.14	2,264.12	2,192.91	19.44	10.99	-146.20	437.10	-473.44	1,331.06	1,308.75	22.31	59.660		
2,700.00	2,454.67	2,340.13	2,263.81	20.64	11.51	-146.16	463.41	-481.09	1,394.17	1,370.77	23.40	59.587		
2,800.00	2,536.20	2,417.46	2,336.00	21.86	12.04	-146.13	490.01	-488.95	1,457.33	1,432.82	24.50	59.479		
2,900.00	2,617.72	2,495.49	2,408.84	23.07	12.57	-146.11	516.81	-496.87	1,520.48	1,494.86	25.62	59.349		
3,000.00	2,699.25	2,572.50	2,480.76	24.29	13.10	-146.08	543.23	-504.69	1,583.62	1,556.89	26.73	59.251		
3,100.00	2,780.78	2,646.75	2,550.17	25.50	13.60	-146.08	568.45	-512.33	1,646.83	1,619.03	27.80	59.241		
3,200.00	2,862.31	2,717.33	2,616.48	26.73	14.07	-146.12	591.40	-519.97	1,710.30	1,681.49	28.81	59.356		
3,300.00	2,943.83	2,803.08	2,697.41	27.95	14.64	-146.22	618.14	-529.39	1,773.74	1,743.74	29.99	59.137		
3,400.00	3,025.36	2,908.51	2,796.90	29.17	15.32	-146.31	651.37	-539.91	1,836.45	1,805.03	31.42	58.455		
3,500.00	3,106.89	2,987.92	2,871.83	30.40	15.84	-146.36	676.65	-547.14	1,898.50	1,865.96	32.53	58.355		
3,600.00	3,188.42	3,046.09	2,926.86	31.62	16.22	-146.42	694.68	-552.70	1,960.84	1,927.45	33.39	58.723		
3,700.00	3,269.94	3,100.00	2,977.63	32.85	16.58	-146.45	711.84	-558.50	2,024.18	1,989.98	34.19	59.196		
3,800.00	3,351.47	3,180.52	3,053.29	34.07	17.12	-146.49	737.89	-567.53	2,087.92	2,052.59	35.34	59.085		
3,900.00	3,433.00	3,275.46	3,142.52	35.30	17.75	-146.52	768.70	-577.64	2,151.26	2,114.59	36.66	58.674		
4,000.00	3,514.53	3,331.42	3,195.11	36.53	18.13	-146.54	786.90	-583.51	2,214.51	2,177.00	37.50	59.049		
4,100.00	3,596.05	3,386.00	3,246.29	37.76	18.50	-146.55	804.71	-590.00	2,278.76	2,240.44	38.32	59.466		
4,200.00	3,677.58	3,471.42	3,326.29	38.99	19.09	-146.57	832.82	-600.39	2,343.32	2,303.77	39.54	59.263		
4,300.00	3,759.11	3,539.41	3,389.83	40.22	19.56	-146.57	855.64	-608.36	2,407.60	2,367.06	40.55	59.379		
4,400.00	3,840.64	3,606.64	3,452.45	41.45	20.03	-146.55	878.70	-616.51	2,472.25	2,430.71	41.54	59.509		
4,500.00	3,922.16	3,679.67	3,520.78	42.68	20.54	-146.56	902.81	-625.66	2,537.08	2,494.47	42.61	59.539		
4,600.00	4,003.69	3,773.24	3,607.69	43.91	21.20	-146.51	935.60	-636.83	2,601.69	2,557.71	43.98	59.156		
4,700.00	4,085.22	3,836.18	3,665.65	45.15	21.67	-146.44	959.03	-644.12	2,666.25	2,621.29	44.97	59.294		
4,800.00	4,166.75	3,900.26	3,724.61	46.38	22.15	-146.37	982.91	-651.82	2,731.16	2,685.19	45.97	59.416		
4,900.00	4,248.27	4,057.82	3,869.94	47.61	23.31	-146.23	1,040.95	-670.02	2,796.25	2,747.99	48.26	57.940		
5,000.00	4,329.80	4,153.01	3,959.36	48.84	23.95	-146.25	1,072.22	-679.23	2,858.86	2,809.25	49.62	57.621		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 125-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,411.33	10,250.29	6,995.80	50.08	86.52	-132.98	2,084.71	2,250.06	2,873.32	2,808.73	64.60	44.482		
5,200.00	4,492.86	10,302.78	6,995.04	51.31	87.84	-132.37	2,083.98	2,302.54	2,790.29	2,723.91	66.39	42.031		
5,300.00	4,574.38	10,352.78	6,994.63	52.54	89.10	-131.78	2,082.76	2,352.52	2,707.43	2,639.21	68.21	39.690		
5,400.00	4,655.91	10,397.21	6,994.60	53.78	90.22	-131.25	2,081.15	2,396.92	2,624.76	2,554.68	70.08	37.453		
5,500.00	4,737.44	10,436.12	6,994.85	55.01	91.21	-130.78	2,079.67	2,435.81	2,542.49	2,470.48	72.01	35.305		
5,600.00	4,818.97	10,481.34	6,995.44	56.24	92.36	-130.20	2,077.95	2,480.98	2,460.67	2,386.64	74.03	33.240		
5,700.00	4,900.49	10,556.54	6,995.84	57.48	94.27	-129.19	2,074.73	2,556.11	2,378.39	2,302.29	76.10	31.252		
5,800.00	4,982.02	10,597.85	6,996.04	58.71	95.32	-128.59	2,072.95	2,597.39	2,296.39	2,218.10	78.29	29.331		
5,900.00	5,063.55	10,622.30	6,996.47	59.95	95.94	-128.23	2,072.03	2,621.82	2,215.27	2,134.64	80.63	27.475		
6,000.00	5,145.08	10,664.00	6,997.91	61.18	97.01	-127.58	2,070.76	2,663.47	2,135.24	2,052.18	83.05	25.709		
6,100.00	5,226.60	10,684.69	6,998.86	62.42	97.54	-127.25	2,070.21	2,684.13	2,055.90	1,970.22	85.68	23.995		
6,200.00	5,308.13	10,738.87	7,001.54	63.65	98.93	-126.36	2,068.59	2,738.22	1,977.16	1,888.83	88.33	22.383		
6,300.00	5,389.66	10,789.18	7,004.27	64.89	100.22	-125.50	2,066.90	2,788.43	1,898.81	1,807.68	91.14	20.835		
6,400.00	5,471.19	10,837.42	7,007.16	66.12	101.46	-124.62	2,065.33	2,836.56	1,821.04	1,726.93	94.11	19.350		
6,500.00	5,552.72	10,926.05	7,012.31	67.36	103.74	-122.87	2,062.16	2,924.97	1,743.47	1,646.50	96.97	17.980		
6,600.00	5,634.24	11,024.88	7,014.50	68.59	106.29	-120.57	2,058.43	3,023.69	1,664.11	1,564.16	99.95	16.650		
6,700.00	5,715.77	11,091.46	7,014.08	69.83	108.01	-118.73	2,056.98	3,090.24	1,584.68	1,481.18	103.50	15.311		
6,800.00	5,797.30	11,141.00	7,013.30	71.06	109.29	-117.18	2,057.13	3,139.77	1,506.26	1,398.70	107.56	14.004		
6,900.00	5,878.83	11,170.22	7,013.00	72.30	110.05	-116.21	2,057.46	3,168.98	1,428.97	1,316.84	112.13	12.743		
7,000.00	5,960.35	11,211.26	7,013.09	73.53	111.12	-114.80	2,057.83	3,210.02	1,353.10	1,236.10	116.99	11.566		
7,100.00	6,041.88	11,263.09	7,013.90	74.77	112.47	-112.92	2,058.16	3,261.85	1,278.66	1,156.51	122.14	10.469		
7,200.00	6,123.41	11,327.96	7,014.52	76.01	114.16	-110.36	2,058.53	3,326.71	1,205.09	1,077.46	127.62	9.442		
7,300.00	6,204.94	11,369.93	7,014.93	77.24	115.25	-108.57	2,058.83	3,368.68	1,132.96	999.04	133.92	8.460		
7,400.00	6,286.46	11,412.19	7,015.95	78.48	116.36	-106.67	2,059.30	3,410.93	1,063.17	922.39	140.78	7.552		
7,500.00	6,367.99	11,477.17	7,018.24	79.71	118.05	-103.57	2,059.86	3,475.86	995.66	847.80	147.86	6.734		
7,600.00	6,449.52	11,549.97	7,020.35	80.95	119.96	-99.77	2,059.36	3,548.63	929.52	774.20	155.32	5.985		
7,700.00	6,531.05	11,614.28	7,019.89	82.19	121.64	-95.95	2,059.50	3,612.93	865.50	701.70	163.81	5.284		
7,800.00	6,612.57	11,662.93	7,018.39	83.42	122.91	-92.78	2,060.16	3,661.55	805.15	631.76	173.38	4.644		
7,900.00	6,694.10	11,714.00	7,016.80	84.66	124.25	-89.24	2,061.19	3,712.59	749.97	566.64	183.34	4.091		
8,000.00	6,775.63	11,763.17	7,015.36	85.89	125.54	-85.67	2,062.29	3,761.72	701.02	507.69	193.32	3.626		
8,100.00	6,857.16	11,815.89	7,014.02	87.13	126.92	-81.68	2,063.36	3,814.42	659.43	456.90	202.53	3.256		
8,200.00	6,938.68	11,866.11	7,012.92	88.37	128.24	-77.75	2,064.46	3,864.62	626.79	416.58	210.21	2.982		
8,300.00	7,020.21	11,917.54	7,011.98	89.60	129.59	-73.63	2,065.77	3,916.02	604.57	389.36	215.21	2.809		
8,310.57	7,028.83	11,923.19	7,011.88	89.73	129.74	-73.18	2,065.92	3,921.66	602.88	387.34	215.54	2.797		
8,350.00	7,060.23	11,945.36	7,011.50	90.25	130.32	-73.99	2,066.51	3,943.83	597.83	381.37	216.46	2.762		
8,400.00	7,097.77	11,976.62	7,010.96	90.98	131.15	-74.07	2,067.34	3,975.06	594.23	377.19	217.03	2.738		
8,443.95	7,128.44	12,006.81	7,010.44	91.69	131.94	-73.48	2,068.14	4,005.24	593.30	376.21	217.09	2.733 SF		
8,450.00	7,132.48	12,011.15	7,010.36	91.79	132.05	-73.36	2,068.25	4,009.58	593.32	376.25	217.07	2.733		
8,500.00	7,164.10	12,048.69	7,009.71	92.67	133.04	-72.11	2,069.25	4,047.10	594.57	377.84	216.73	2.743		
8,550.00	7,192.40	12,055.00	7,009.60	93.63	133.21	-72.35	2,069.41	4,053.41	598.41	381.60	216.81	2.760		
8,600.00	7,217.15	12,055.00	7,009.60	94.64	133.21	-72.34	2,069.41	4,053.41	606.22	390.03	216.19	2.804		
8,650.00	7,238.16	12,055.00	7,009.60	95.70	133.21	-71.76	2,069.41	4,053.41	617.84	403.02	214.83	2.876		
8,700.00	7,255.29	12,055.00	7,009.60	96.80	133.21	-70.64	2,069.41	4,053.41	632.98	420.12	212.85	2.974		
8,750.00	7,268.39	12,055.00	7,009.60	97.92	133.21	-69.02	2,069.41	4,053.41	651.27	440.82	210.44	3.095		
8,800.00	7,277.37	12,055.00	7,009.60	99.06	133.21	-66.94	2,069.41	4,053.41	672.32	464.56	207.76	3.236		
8,850.00	7,282.15	12,055.00	7,009.60	100.20	133.21	-64.45	2,069.41	4,053.41	695.74	490.79	204.95	3.395		
8,881.61	7,283.00	12,055.00	7,009.60	100.91	133.21	-62.68	2,069.41	4,053.41	711.58	508.42	203.16	3.503		
8,900.00	7,283.00	12,055.00	7,009.60	101.33	133.21	-62.68	2,069.41	4,053.41	721.18	519.08	202.10	3.568		
9,000.00	7,283.00	12,055.00	7,009.60	103.59	133.21	-62.68	2,069.41	4,053.41	778.93	583.27	195.65	3.981		
9,100.00	7,283.00	12,055.00	7,009.60	105.87	133.21	-62.68	2,069.41	4,053.41	844.60	655.91	188.69	4.476		
9,200.00	7,283.00	12,055.00	7,009.60	108.18	133.21	-62.68	2,069.41	4,053.41	916.50	734.71	181.79	5.042		
9,300.00	7,283.00	12,055.00	7,009.60	110.50	133.21	-62.68	2,069.41	4,053.41	993.27	818.00	175.28	5.667		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 125-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,400.00	7,283.00	12,055.00	7,009.60	112.84	133.21	-62.68	2,069.41	4,053.41	1,073.88	904.58	169.30	6.343		
9,500.00	7,283.00	12,055.00	7,009.60	115.19	133.21	-62.68	2,069.41	4,053.41	1,157.52	993.62	163.89	7.063		
9,600.00	7,283.00	12,055.00	7,009.60	117.56	133.21	-62.68	2,069.41	4,053.41	1,243.57	1,084.52	159.04	7.819		
9,700.00	7,283.00	12,055.00	7,009.60	119.95	133.21	-62.68	2,069.41	4,053.41	1,331.57	1,176.86	154.71	8.607		
9,800.00	7,283.00	12,055.00	7,009.60	122.34	133.21	-62.68	2,069.41	4,053.41	1,421.17	1,270.32	150.85	9.421		
9,900.00	7,283.00	12,055.00	7,009.60	124.76	133.21	-62.68	2,069.41	4,053.41	1,512.06	1,364.66	147.40	10.258		
10,000.00	7,283.00	12,055.00	7,009.60	127.18	133.21	-62.68	2,069.41	4,053.41	1,604.04	1,459.73	144.32	11.115		
10,100.00	7,283.00	12,055.00	7,009.60	129.61	133.21	-62.68	2,069.41	4,053.41	1,696.93	1,555.38	141.55	11.988		
10,200.00	7,283.00	12,055.00	7,009.60	132.06	133.21	-62.68	2,069.41	4,053.41	1,790.59	1,651.52	139.07	12.876		
10,300.00	7,283.00	12,055.00	7,009.60	134.52	133.21	-62.68	2,069.41	4,053.41	1,884.89	1,748.07	136.83	13.776		
10,400.00	7,283.00	12,055.00	7,009.60	136.98	133.21	-62.68	2,069.41	4,053.41	1,979.76	1,844.96	134.80	14.686		
10,500.00	7,283.00	12,055.00	7,009.60	139.46	133.21	-62.68	2,069.41	4,053.41	2,075.11	1,942.14	132.97	15.606		
10,600.00	7,283.00	12,055.00	7,009.60	141.94	133.21	-62.68	2,069.41	4,053.41	2,170.87	2,039.58	131.30	16.534		
10,700.00	7,283.00	12,055.00	7,009.60	144.44	133.21	-62.68	2,069.41	4,053.41	2,267.01	2,137.23	129.78	17.468		
10,800.00	7,283.00	12,055.00	7,009.60	146.94	133.21	-62.68	2,069.41	4,053.41	2,363.46	2,235.07	128.39	18.409		
10,900.00	7,283.00	12,055.00	7,009.60	149.45	133.21	-62.68	2,069.41	4,053.41	2,460.20	2,333.08	127.11	19.354		
11,000.00	7,283.00	12,055.00	7,009.60	151.96	133.21	-62.68	2,069.41	4,053.41	2,557.18	2,431.24	125.94	20.304		
11,100.00	7,283.00	12,055.00	7,009.60	154.49	133.21	-62.68	2,069.41	4,053.41	2,654.40	2,529.53	124.86	21.258		
11,200.00	7,283.00	12,055.00	7,009.60	157.01	133.21	-62.68	2,069.41	4,053.41	2,751.81	2,627.94	123.87	22.215		
11,300.00	7,283.00	12,055.00	7,009.60	159.55	133.21	-62.68	2,069.41	4,053.41	2,849.40	2,726.45	122.95	23.175		
11,400.00	7,283.00	12,055.00	7,009.60	162.09	133.21	-62.68	2,069.41	4,053.41	2,947.15	2,825.05	122.10	24.138		
11,500.00	7,283.00	12,055.00	7,009.60	164.64	133.21	-62.68	2,069.41	4,053.41	3,045.05	2,923.74	121.30	25.103		
11,600.00	7,283.00	12,055.00	7,009.60	167.19	133.21	-62.68	2,069.41	4,053.41	3,143.08	3,022.51	120.57	26.069		
11,700.00	7,283.00	12,055.00	7,009.60	169.75	133.21	-62.68	2,069.41	4,053.41	3,241.23	3,121.35	119.88	27.037		
11,800.00	7,283.00	12,055.00	7,009.60	172.31	133.21	-62.68	2,069.41	4,053.41	3,339.49	3,220.25	119.24	28.007		
11,900.00	7,283.00	12,055.00	7,009.60	174.88	133.21	-62.68	2,069.41	4,053.41	3,437.85	3,319.21	118.64	28.977		
12,000.00	7,283.00	12,055.00	7,009.60	177.45	133.21	-62.68	2,069.41	4,053.41	3,536.30	3,418.22	118.08	29.949		
12,100.00	7,283.00	12,055.00	7,009.60	180.03	133.21	-62.68	2,069.41	4,053.41	3,634.84	3,517.29	117.55	30.921		
12,200.00	7,283.00	12,055.00	7,009.60	182.61	133.21	-62.68	2,069.41	4,053.41	3,733.45	3,616.39	117.06	31.894		
12,300.00	7,283.00	12,055.00	7,009.60	185.19	133.21	-62.68	2,069.41	4,053.41	3,832.14	3,715.54	116.60	32.867		
12,400.00	7,283.00	12,055.00	7,009.60	187.78	133.21	-62.68	2,069.41	4,053.41	3,930.89	3,814.73	116.16	33.841		
12,500.00	7,283.00	12,055.00	7,009.60	190.37	133.21	-62.68	2,069.41	4,053.41	4,029.71	3,913.96	115.75	34.814		
12,600.00	7,283.00	12,055.00	7,009.60	192.97	133.21	-62.68	2,069.41	4,053.41	4,128.58	4,013.22	115.36	35.788		
12,700.00	7,283.00	12,055.00	7,009.60	195.57	133.21	-62.68	2,069.41	4,053.41	4,227.50	4,112.51	115.00	36.762		
12,800.00	7,283.00	12,055.00	7,009.60	198.17	133.21	-62.68	2,069.41	4,053.41	4,326.48	4,211.83	114.65	37.736		
12,900.00	7,283.00	12,055.00	7,009.60	200.77	133.21	-62.68	2,069.41	4,053.41	4,425.50	4,311.17	114.32	38.710		
13,000.00	7,283.00	12,055.00	7,009.60	203.38	133.21	-62.68	2,069.41	4,053.41	4,524.56	4,410.55	114.02	39.684		
13,100.00	7,283.00	12,055.00	7,009.60	205.99	133.21	-62.68	2,069.41	4,053.41	4,623.67	4,509.94	113.72	40.657		
13,200.00	7,283.00	12,055.00	7,009.60	208.61	133.21	-62.68	2,069.41	4,053.41	4,722.81	4,609.36	113.45	41.630		
13,300.00	7,283.00	12,055.00	7,009.60	211.22	133.21	-62.68	2,069.41	4,053.41	4,821.98	4,708.80	113.18	42.603		
13,400.00	7,283.00	12,055.00	7,009.60	213.84	133.21	-62.68	2,069.41	4,053.41	4,921.19	4,808.26	112.94	43.575		
13,500.00	7,283.00	12,055.00	7,009.60	216.47	133.21	-62.68	2,069.41	4,053.41	5,020.44	4,907.74	112.70	44.547		
13,600.00	7,283.00	12,055.00	7,009.60	219.09	133.21	-62.68	2,069.41	4,053.41	5,119.71	5,007.23	112.48	45.518		
13,700.00	7,283.00	12,055.00	7,009.60	221.72	133.21	-62.68	2,069.41	4,053.41	5,219.01	5,106.74	112.26	46.489		
13,800.00	7,283.00	12,055.00	7,009.60	224.34	133.21	-62.68	2,069.41	4,053.41	5,318.33	5,206.27	112.06	47.459		
13,900.00	7,283.00	12,055.00	7,009.60	226.97	133.21	-62.68	2,069.41	4,053.41	5,417.68	5,305.81	111.87	48.429		
14,000.00	7,283.00	12,055.00	7,009.60	229.61	133.21	-62.68	2,069.41	4,053.41	5,517.05	5,405.37	111.69	49.398		
14,100.00	7,283.00	12,055.00	7,009.60	232.24	133.21	-62.68	2,069.41	4,053.41	5,616.45	5,504.94	111.51	50.366		
14,200.00	7,283.00	12,055.00	7,009.60	234.88	133.21	-62.68	2,069.41	4,053.41	5,715.87	5,604.52	111.35	51.333		
14,300.00	7,283.00	12,055.00	7,009.60	237.52	133.21	-62.68	2,069.41	4,053.41	5,815.30	5,704.11	111.19	52.300		
14,400.00	7,283.00	12,055.00	7,009.60	240.16	133.21	-62.68	2,069.41	4,053.41	5,914.76	5,803.72	111.04	53.266		
14,500.00	7,283.00	12,055.00	7,009.60	242.80	133.21	-62.68	2,069.41	4,053.41	6,014.23	5,903.33	110.90	54.231		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T4N-R68W - JESSER 3E-10-3N - ORIGINAL WELLBORE - WB #1 - PATT 901													Offset Site Error:	0.00 usft
Survey Program: 125-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,600.00	7,283.00	12,055.00	7,009.60	245.44	133.21	-62.68	2,069.41	4,053.41	6,113.72	6,002.96	110.76	55.195		
14,700.00	7,283.00	12,055.00	7,009.60	248.09	133.21	-62.68	2,069.41	4,053.41	6,213.23	6,102.60	110.64	56.159		
14,800.00	7,283.00	12,055.00	7,009.60	250.74	133.21	-62.68	2,069.41	4,053.41	6,312.76	6,202.24	110.51	57.122		
14,900.00	7,283.00	12,055.00	7,009.60	253.38	133.21	-62.68	2,069.41	4,053.41	6,412.29	6,301.89	110.40	58.083		
15,000.00	7,283.00	12,055.00	7,009.60	256.03	133.21	-62.68	2,069.41	4,053.41	6,511.85	6,401.56	110.29	59.044		
15,100.00	7,283.00	12,055.00	7,009.60	258.69	133.21	-62.68	2,069.41	4,053.41	6,611.41	6,501.23	110.18	60.004		
15,200.00	7,283.00	12,055.00	7,009.60	261.34	133.21	-62.68	2,069.41	4,053.41	6,710.99	6,600.91	110.08	60.963		
15,300.00	7,283.00	12,055.00	7,009.60	263.99	133.21	-62.68	2,069.41	4,053.41	6,810.58	6,700.59	109.99	61.921		
15,400.00	7,283.00	12,055.00	7,009.60	266.65	133.21	-62.68	2,069.41	4,053.41	6,910.18	6,800.28	109.90	62.878		
15,500.00	7,283.00	12,055.00	7,009.60	269.31	133.21	-62.68	2,069.41	4,053.41	7,009.80	6,899.98	109.81	63.834		
15,600.00	7,283.00	12,055.00	7,009.60	271.96	133.21	-62.68	2,069.41	4,053.41	7,109.42	6,999.69	109.73	64.789		
15,700.00	7,283.00	12,055.00	7,009.60	274.62	133.21	-62.68	2,069.41	4,053.41	7,209.06	7,099.40	109.66	65.743		
15,800.00	7,283.00	12,055.00	7,009.60	277.28	133.21	-62.68	2,069.41	4,053.41	7,308.70	7,199.12	109.58	66.696		
15,900.00	7,283.00	12,055.00	7,009.60	279.94	133.21	-62.68	2,069.41	4,053.41	7,408.36	7,298.84	109.51	67.648		
16,000.00	7,283.00	12,055.00	7,009.60	282.61	133.21	-62.68	2,069.41	4,053.41	7,508.02	7,398.57	109.45	68.599		
16,100.00	7,283.00	12,055.00	7,009.60	285.27	133.21	-62.68	2,069.41	4,053.41	7,607.69	7,498.31	109.39	69.548		
16,200.00	7,283.00	12,055.00	7,009.60	287.94	133.21	-62.68	2,069.41	4,053.41	7,707.37	7,598.04	109.33	70.497		
16,300.00	7,283.00	12,055.00	7,009.60	290.60	133.21	-62.68	2,069.41	4,053.41	7,807.06	7,697.79	109.27	71.444		
16,400.00	7,283.00	12,055.00	7,009.60	293.27	133.21	-62.68	2,069.41	4,053.41	7,906.76	7,797.54	109.22	72.391		
16,500.00	7,283.00	12,055.00	7,009.60	295.94	133.21	-62.68	2,069.41	4,053.41	8,006.46	7,897.29	109.17	73.336		
16,600.00	7,283.00	12,055.00	7,009.60	298.60	133.21	-62.68	2,069.41	4,053.41	8,106.18	7,997.05	109.13	74.280		
16,700.00	7,283.00	12,055.00	7,009.60	301.27	133.21	-62.68	2,069.41	4,053.41	8,205.90	8,096.81	109.09	75.223		
16,800.00	7,283.00	12,055.00	7,009.60	303.94	133.21	-62.68	2,069.41	4,053.41	8,305.62	8,196.57	109.05	76.165		
16,900.00	7,283.00	12,055.00	7,009.60	306.62	133.21	-62.68	2,069.41	4,053.41	8,405.35	8,296.34	109.01	77.106		
17,000.00	7,283.00	12,055.00	7,009.60	309.29	133.21	-62.68	2,069.41	4,053.41	8,505.09	8,396.12	108.98	78.045		
17,100.00	7,283.00	12,055.00	7,009.60	311.96	133.21	-62.68	2,069.41	4,053.41	8,604.84	8,495.89	108.94	78.984		
17,200.00	7,283.00	12,055.00	7,009.60	314.63	133.21	-62.68	2,069.41	4,053.41	8,704.59	8,595.67	108.92	79.921		
17,300.00	7,283.00	12,055.00	7,009.60	317.31	133.21	-62.68	2,069.41	4,053.41	8,804.34	8,695.46	108.89	80.857		
17,400.00	7,283.00	12,055.00	7,009.60	319.98	133.21	-62.68	2,069.41	4,053.41	8,904.11	8,795.24	108.86	81.791		
17,500.00	7,283.00	12,055.00	7,009.60	322.66	133.21	-62.68	2,069.41	4,053.41	9,003.87	8,895.03	108.84	82.725		
17,600.00	7,283.00	12,055.00	7,009.60	325.34	133.21	-62.68	2,069.41	4,053.41	9,103.64	8,994.82	108.82	83.657		
17,700.00	7,283.00	12,055.00	7,009.60	328.01	133.21	-62.68	2,069.41	4,053.41	9,203.42	9,094.62	108.80	84.588		
17,800.00	7,283.00	12,055.00	7,009.60	330.69	133.21	-62.68	2,069.41	4,053.41	9,303.20	9,194.42	108.79	85.517		
17,900.00	7,283.00	12,055.00	7,009.60	333.37	133.21	-62.68	2,069.41	4,053.41	9,402.99	9,294.22	108.77	86.446		
18,000.00	7,283.00	12,055.00	7,009.60	336.05	133.21	-62.68	2,069.41	4,053.41	9,502.78	9,394.02	108.76	87.373		
18,100.00	7,283.00	12,055.00	7,009.60	338.73	133.21	-62.68	2,069.41	4,053.41	9,602.58	9,493.82	108.75	88.299		
18,200.00	7,283.00	12,055.00	7,009.60	341.41	133.21	-62.68	2,069.41	4,053.41	9,702.37	9,593.63	108.74	89.223		
18,300.00	7,283.00	12,055.00	7,009.60	344.09	133.21	-62.68	2,069.41	4,053.41	9,802.18	9,693.44	108.74	90.146		
18,400.00	7,283.00	12,055.00	7,009.60	346.77	133.21	-62.68	2,069.41	4,053.41	9,901.99	9,793.25	108.73	91.068		
18,500.00	7,283.00	12,055.00	7,009.60	349.46	133.21	-62.68	2,069.41	4,053.41	10,001.80	9,893.07	108.73	91.989		
18,600.00	7,283.00	12,055.00	7,009.60	352.14	133.21	-62.68	2,069.41	4,053.41	10,101.61	9,992.89	108.73	92.908		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 125-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	5.93	5.93	0.00	0.01	-90.97	-5.10	-299.66	299.70					
100.00	100.00	104.70	104.70	0.27	0.15	-91.03	-5.40	-299.88	299.93	299.52	0.41	725.565		
200.00	200.00	203.31	203.31	0.63	0.45	-91.16	-6.10	-300.52	300.59	299.51	1.08	278.052		
300.00	299.98	300.63	300.61	0.98	0.80	-160.99	-6.83	-301.77	303.55	301.76	1.79	169.919		
400.00	399.84	402.77	402.74	1.34	1.17	-161.40	-7.52	-303.22	309.94	307.43	2.51	123.456		
500.00	499.45	508.25	508.22	1.71	1.54	-162.00	-8.21	-303.14	318.16	314.92	3.24	98.304		
600.00	598.70	607.66	607.62	2.10	1.88	-162.72	-8.94	-302.28	328.96	325.02	3.95	83.385		
700.00	697.47	707.58	707.51	2.51	2.22	-163.12	-7.07	-301.22	342.77	338.11	4.66	73.607		
800.00	795.62	802.66	802.45	2.95	2.54	-163.04	-1.91	-300.92	360.38	355.02	5.36	67.234		
900.00	893.06	896.93	896.33	3.43	2.87	-162.56	6.57	-301.62	382.09	376.02	6.08	62.891		
1,000.00	989.64	987.07	985.82	3.95	3.20	-161.86	17.12	-303.54	408.25	401.46	6.79	60.101		
1,100.00	1,085.27	1,072.44	1,070.33	4.52	3.52	-161.12	28.61	-307.17	439.57	432.06	7.50	58.570		
1,200.00	1,179.82	1,159.00	1,155.80	5.14	3.86	-160.38	41.22	-312.46	475.73	467.49	8.24	57.754		
1,300.00	1,273.17	1,240.05	1,235.61	5.81	4.19	-159.70	53.83	-318.85	516.57	507.61	8.96	57.675		
1,400.00	1,365.21	1,325.04	1,318.91	6.54	4.55	-158.95	68.67	-326.86	561.74	552.02	9.72	57.784		
1,500.00	1,455.84	1,411.79	1,403.42	7.33	4.94	-158.05	86.28	-335.42	610.17	599.64	10.53	57.950		
1,600.00	1,544.94	1,496.83	1,485.89	8.19	5.34	-157.12	105.24	-343.84	661.46	650.10	11.36	58.211		
1,700.00	1,632.39	1,583.37	1,569.21	9.12	5.77	-156.09	126.99	-352.41	715.56	703.31	12.25	58.415		
1,800.00	1,718.11	1,666.00	1,648.69	10.11	6.19	-155.18	148.25	-359.98	771.72	758.58	13.14	58.751		
1,900.00	1,801.97	1,733.06	1,713.11	11.18	6.55	-154.38	165.64	-366.66	831.19	817.27	13.92	59.728		
1,969.27	1,858.92	1,774.86	1,753.14	11.96	6.77	-153.84	176.61	-371.64	874.88	860.45	14.43	60.640		
2,000.00	1,883.98	1,793.72	1,771.11	12.31	6.88	-153.81	181.80	-374.05	894.74	880.08	14.66	61.023		
2,100.00	1,965.50	1,856.00	1,829.91	13.48	7.24	-153.59	200.40	-382.65	960.20	944.78	15.43	62.231		
2,200.00	2,047.03	1,924.37	1,894.02	14.65	7.65	-153.29	221.90	-392.77	1,026.48	1,010.19	16.29	63.015		
2,300.00	2,128.56	1,995.78	1,961.08	15.84	8.09	-153.05	243.95	-403.60	1,093.04	1,075.85	17.19	63.587		
2,400.00	2,210.09	2,074.66	2,035.33	17.03	8.58	-152.85	267.64	-415.71	1,159.72	1,141.54	18.18	63.793		
2,500.00	2,291.61	2,168.65	2,123.86	18.23	9.16	-152.62	296.33	-428.92	1,225.43	1,206.07	19.35	63.316		
2,600.00	2,373.14	2,260.53	2,210.22	19.44	9.74	-152.36	325.38	-440.75	1,290.32	1,269.79	20.53	62.854		
2,700.00	2,454.67	2,363.62	2,307.17	20.64	10.39	-152.07	358.63	-451.80	1,353.48	1,331.63	21.85	61.947		
2,800.00	2,536.20	2,436.52	2,375.75	21.86	10.86	-151.88	382.16	-459.28	1,416.37	1,393.53	22.84	62.020		
2,900.00	2,617.72	2,503.81	2,439.08	23.07	11.29	-151.73	403.72	-466.54	1,479.68	1,455.92	23.76	62.265		
3,000.00	2,699.25	2,582.66	2,513.54	24.29	11.78	-151.61	428.10	-475.44	1,543.33	1,518.51	24.81	62.198		
3,100.00	2,780.78	2,664.51	2,591.57	25.50	12.28	-151.60	451.06	-484.52	1,606.68	1,580.81	25.87	62.105		
3,200.00	2,862.31	2,742.25	2,666.09	26.73	12.73	-151.67	471.46	-493.12	1,669.93	1,643.07	26.86	62.169		
3,300.00	2,943.83	2,811.00	2,732.23	27.95	13.13	-151.76	488.54	-500.85	1,733.28	1,705.54	27.74	62.483		
3,400.00	3,025.36	2,880.23	2,798.80	29.17	13.53	-151.85	505.74	-508.95	1,797.00	1,768.37	28.62	62.779		
3,500.00	3,106.89	2,955.61	2,871.11	30.40	13.97	-151.93	524.94	-518.17	1,861.13	1,831.55	29.58	62.922		
3,600.00	3,188.42	3,045.37	2,957.55	31.62	14.49	-152.05	546.61	-528.89	1,924.99	1,894.30	30.69	62.731		
3,700.00	3,269.94	3,167.65	3,074.77	32.85	15.20	-152.10	578.95	-541.71	1,987.90	1,955.72	32.18	61.775		
3,800.00	3,351.47	3,285.49	3,187.97	34.07	15.88	-152.14	610.25	-551.25	2,048.80	2,015.18	33.62	60.939		
3,900.00	3,433.00	3,396.91	3,294.62	35.30	16.53	-152.11	641.64	-558.40	2,108.46	2,073.45	35.02	60.216		
4,000.00	3,514.53	3,461.22	3,356.03	36.53	16.91	-152.07	660.35	-562.35	2,167.92	2,132.01	35.91	60.371		
4,100.00	3,596.05	3,518.60	3,410.93	37.76	17.26	-152.05	676.56	-566.28	2,227.95	2,191.23	36.72	60.676		
4,200.00	3,677.58	3,576.00	3,465.66	38.99	17.60	-152.02	693.23	-570.90	2,288.92	2,251.39	37.53	60.996		
4,300.00	3,759.11	3,649.92	3,536.14	40.22	18.05	-151.99	714.58	-577.30	2,350.39	2,311.86	38.52	61.012		
4,400.00	3,840.64	3,715.65	3,598.87	41.45	18.45	-151.97	733.34	-583.07	2,411.96	2,372.54	39.43	61.173		
4,500.00	3,922.16	3,767.00	3,647.56	42.68	18.77	-151.93	748.93	-587.89	2,474.15	2,433.98	40.17	61.595		
4,600.00	4,003.69	3,834.25	3,711.00	43.91	19.21	-151.85	770.18	-594.66	2,536.89	2,495.77	41.12	61.690		
4,700.00	4,085.22	3,981.30	3,850.32	45.15	20.14	-151.73	815.08	-608.53	2,599.21	2,556.17	43.04	60.390		
4,800.00	4,166.75	4,053.00	3,919.07	46.38	20.56	-151.74	834.57	-614.32	2,660.16	2,616.16	44.00	60.460		
4,900.00	4,248.27	4,120.41	3,983.82	47.61	20.96	-151.76	852.44	-620.03	2,721.40	2,676.51	44.90	60.614		
5,000.00	4,329.80	4,149.00	4,011.23	48.84	21.12	-151.77	860.15	-622.59	2,783.42	2,738.08	45.34	61.388		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 3-T4N-R68W - JESSER 3E-10-4N - ORIGINAL WELLBORE - WB #1 - PATT 901		Offset Site Error: 0.00 usft	
Survey Program: 125-MWD OWSG													Offset Well Error: 0.00 usft			
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
5,100.00	4,411.33	4,207.75	4,067.56	50.08	21.47	-151.79	875.73	-628.60	2,846.18	2,800.05	46.13	61.698				
5,200.00	4,492.86	10,186.00	7,145.66	51.31	83.37	-147.40	1,722.18	2,169.55	2,792.30	2,737.81	54.49	51.245				
5,300.00	4,574.38	10,217.19	7,146.19	52.54	84.16	-147.22	1,723.73	2,200.70	2,710.42	2,654.65	55.77	48.601				
5,400.00	4,655.91	10,246.15	7,146.98	53.78	84.89	-147.04	1,725.32	2,229.60	2,629.18	2,572.08	57.10	46.048				
5,500.00	4,737.44	10,281.00	7,148.30	55.01	85.77	-146.82	1,727.43	2,264.36	2,548.61	2,490.12	58.49	43.575				
5,600.00	4,818.97	10,375.93	7,151.94	56.24	88.19	-146.21	1,732.20	2,359.10	2,468.03	2,408.07	59.96	41.163				
5,700.00	4,900.49	10,429.34	7,153.76	57.48	89.55	-145.86	1,734.19	2,412.44	2,386.93	2,325.51	61.41	38.867				
5,800.00	4,982.02	10,514.64	7,156.68	58.71	91.73	-145.28	1,737.02	2,497.64	2,305.90	2,243.03	62.87	36.678				
5,900.00	5,063.55	10,696.98	7,158.14	59.95	96.40	-144.11	1,734.21	2,679.90	2,222.04	2,158.18	63.87	34.793				
6,000.00	5,145.08	10,756.75	7,157.80	61.18	97.93	-143.76	1,730.89	2,739.58	2,137.24	2,072.09	65.14	32.808				
6,100.00	5,226.60	10,836.62	7,157.29	62.42	99.97	-143.32	1,724.72	2,819.20	2,052.01	1,985.78	66.23	30.982				
6,200.00	5,308.13	10,890.58	7,156.81	63.65	101.35	-143.04	1,719.56	2,872.92	1,966.36	1,898.87	67.48	29.139				
6,300.00	5,389.66	10,937.81	7,156.35	64.89	102.56	-142.76	1,715.40	2,919.96	1,880.81	1,811.96	68.85	27.318				
6,400.00	5,471.19	10,975.22	7,156.00	66.12	103.53	-142.49	1,712.50	2,957.26	1,795.50	1,725.09	70.40	25.503				
6,500.00	5,552.72	11,010.40	7,155.80	67.36	104.43	-142.19	1,710.41	2,992.37	1,710.72	1,638.61	72.11	23.724				
6,600.00	5,634.24	11,048.60	7,155.73	68.59	105.42	-141.81	1,708.84	3,030.54	1,626.50	1,552.58	73.92	22.003				
6,700.00	5,715.77	11,131.17	7,155.23	69.83	107.56	-140.88	1,705.06	3,113.02	1,542.04	1,466.82	75.22	20.500				
6,800.00	5,797.30	11,168.12	7,154.82	71.06	108.52	-140.42	1,703.19	3,149.92	1,457.32	1,380.08	77.24	18.867				
6,900.00	5,878.83	11,200.80	7,154.57	72.30	109.37	-139.92	1,702.53	3,182.59	1,373.42	1,293.84	79.58	17.259				
7,000.00	5,960.35	11,235.00	7,154.45	73.53	110.26	-139.29	1,702.85	3,216.79	1,290.43	1,208.23	82.19	15.700				
7,100.00	6,041.88	11,286.38	7,154.34	74.77	111.59	-138.17	1,704.32	3,268.14	1,208.08	1,123.19	84.89	14.232				
7,200.00	6,123.41	11,331.00	7,154.20	76.01	112.76	-137.07	1,705.91	3,312.74	1,126.09	1,038.07	88.02	12.794				
7,300.00	6,204.94	11,381.70	7,154.15	77.24	114.08	-135.62	1,708.30	3,363.38	1,044.72	953.23	91.49	11.419				
7,400.00	6,286.46	11,426.00	7,154.30	78.48	115.23	-134.14	1,711.09	3,407.59	964.30	868.67	95.63	10.083				
7,500.00	6,367.99	11,476.90	7,154.63	79.71	116.56	-132.17	1,714.92	3,458.34	884.86	784.50	100.36	8.817				
7,600.00	6,449.52	11,528.84	7,155.12	80.95	117.91	-129.82	1,719.36	3,510.09	806.48	700.55	105.93	7.613				
7,700.00	6,531.05	11,593.75	7,155.80	82.19	119.61	-126.42	1,724.32	3,574.81	728.80	616.64	112.15	6.498				
7,800.00	6,612.57	11,649.25	7,156.46	83.42	121.06	-123.05	1,727.68	3,630.20	651.86	532.12	119.74	5.444				
7,900.00	6,694.10	11,700.46	7,157.47	84.66	122.40	-119.38	1,730.90	3,681.30	576.92	447.77	129.15	4.467				
8,000.00	6,775.63	11,767.88	7,158.75	85.89	124.17	-113.54	1,734.98	3,748.58	504.13	363.98	140.15	3.597				
8,100.00	6,857.16	11,831.12	7,158.75	87.13	125.83	-106.72	1,737.86	3,811.76	433.31	279.20	154.12	2.812				
8,200.00	6,938.68	11,885.81	7,158.16	88.37	127.26	-99.50	1,740.42	3,866.38	367.57	195.41	172.15	2.135				
8,300.00	7,020.21	11,939.67	7,157.25	89.60	128.68	-91.11	1,743.16	3,920.17	310.79	117.51	193.28	1.608				
8,310.57	7,028.83	11,945.36	7,157.16	89.73	128.83	-90.15	1,743.45	3,925.85	305.53	109.98	195.56	1.562				
8,350.00	7,060.23	11,967.71	7,156.77	90.25	129.42	-90.28	1,744.59	3,948.16	287.96	84.29	203.67	1.414	Level 3			
8,400.00	7,097.77	11,999.16	7,156.23	90.98	130.24	-88.94	1,746.20	3,979.57	270.82	58.42	212.40	1.275	Level 3			
8,450.00	7,132.48	12,033.87	7,155.63	91.79	131.16	-86.26	1,747.97	4,014.23	259.44	40.94	218.51	1.187	Level 2			
8,500.00	7,164.10	12,065.00	7,155.09	92.67	131.98	-83.52	1,749.56	4,045.31	253.50	31.49	222.01	1.142	Level 2			
8,512.00	7,171.21	12,065.00	7,155.09	92.90	131.98	-83.81	1,749.56	4,045.31	253.19	30.46	222.73	1.137	Level 2, CC, ES, SF			
8,550.00	7,192.40	12,065.00	7,155.09	93.63	131.98	-84.25	1,749.56	4,045.31	256.25	34.16	222.09	1.154	Level 2			
8,600.00	7,217.15	12,065.00	7,155.09	94.64	131.98	-83.70	1,749.56	4,045.31	269.20	53.79	215.41	1.250	Level 2			
8,650.00	7,238.16	12,065.00	7,155.09	95.70	131.98	-81.92	1,749.56	4,045.31	290.91	86.36	204.55	1.422	Level 3			
8,700.00	7,255.29	12,065.00	7,155.09	96.80	131.98	-78.91	1,749.56	4,045.31	319.45	127.09	192.35	1.661				
8,750.00	7,268.39	12,065.00	7,155.09	97.92	131.98	-74.72	1,749.56	4,045.31	352.97	172.25	180.72	1.953				
8,800.00	7,277.37	12,065.00	7,155.09	99.06	131.98	-69.44	1,749.56	4,045.31	389.99	219.46	170.53	2.287				
8,850.00	7,282.15	12,065.00	7,155.09	100.20	131.98	-63.26	1,749.56	4,045.31	429.35	267.34	162.01	2.650				
8,881.61	7,283.00	12,065.00	7,155.09	100.91	131.98	-59.02	1,749.56	4,045.31	455.04	297.59	157.45	2.890				
8,900.00	7,283.00	12,065.00	7,155.09	101.33	131.98	-59.02	1,749.56	4,045.31	470.25	315.22	155.02	3.033				
9,000.00	7,283.00	12,065.00	7,155.09	103.59	131.98	-59.02	1,749.56	4,045.31	556.31	412.58	143.73	3.870				
9,100.00	7,283.00	12,065.00	7,155.09	105.87	131.98	-59.02	1,749.56	4,045.31	646.40	511.27	135.13	4.783				
9,200.00	7,283.00	12,065.00	7,155.09	108.18	131.98	-59.02	1,749.56	4,045.31	739.04	610.50	128.54	5.750				
9,300.00	7,283.00	12,065.00	7,155.09	110.50	131.98	-59.02	1,749.56	4,045.31	833.38	709.97	123.41	6.753				

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 125-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,400.00	7,283.00	12,065.00	7,155.09	112.84	131.98	-59.02	1,749.56	4,045.31	928.91	809.56	119.35	7.783		
9,500.00	7,283.00	12,065.00	7,155.09	115.19	131.98	-59.02	1,749.56	4,045.31	1,025.29	909.21	116.08	8.833		
9,600.00	7,283.00	12,065.00	7,155.09	117.56	131.98	-59.02	1,749.56	4,045.31	1,122.31	1,008.90	113.41	9.896		
9,700.00	7,283.00	12,065.00	7,155.09	119.95	131.98	-59.02	1,749.56	4,045.31	1,219.80	1,108.61	111.20	10.970		
9,800.00	7,283.00	12,065.00	7,155.09	122.34	131.98	-59.02	1,749.56	4,045.31	1,317.67	1,208.34	109.34	12.051		
9,900.00	7,283.00	12,065.00	7,155.09	124.76	131.98	-59.02	1,749.56	4,045.31	1,415.84	1,308.08	107.76	13.138		
10,000.00	7,283.00	12,065.00	7,155.09	127.18	131.98	-59.02	1,749.56	4,045.31	1,514.25	1,407.84	106.42	14.229		
10,100.00	7,283.00	12,065.00	7,155.09	129.61	131.98	-59.02	1,749.56	4,045.31	1,612.86	1,507.61	105.25	15.324		
10,200.00	7,283.00	12,065.00	7,155.09	132.06	131.98	-59.02	1,749.56	4,045.31	1,711.62	1,607.39	104.24	16.420		
10,300.00	7,283.00	12,065.00	7,155.09	134.52	131.98	-59.02	1,749.56	4,045.31	1,810.53	1,707.18	103.35	17.518		
10,400.00	7,283.00	12,065.00	7,155.09	136.98	131.98	-59.02	1,749.56	4,045.31	1,909.54	1,806.98	102.57	18.618		
10,500.00	7,283.00	12,065.00	7,155.09	139.46	131.98	-59.02	1,749.56	4,045.31	2,008.66	1,906.79	101.87	19.718		
10,600.00	7,283.00	12,065.00	7,155.09	141.94	131.98	-59.02	1,749.56	4,045.31	2,107.85	2,006.60	101.25	20.818		
10,700.00	7,283.00	12,065.00	7,155.09	144.44	131.98	-59.02	1,749.56	4,045.31	2,207.12	2,106.43	100.70	21.919		
10,800.00	7,283.00	12,065.00	7,155.09	146.94	131.98	-59.02	1,749.56	4,045.31	2,306.46	2,206.26	100.20	23.019		
10,900.00	7,283.00	12,065.00	7,155.09	149.45	131.98	-59.02	1,749.56	4,045.31	2,405.85	2,306.10	99.75	24.120		
11,000.00	7,283.00	12,065.00	7,155.09	151.96	131.98	-59.02	1,749.56	4,045.31	2,505.28	2,405.95	99.34	25.220		
11,100.00	7,283.00	12,065.00	7,155.09	154.49	131.98	-59.02	1,749.56	4,045.31	2,604.76	2,505.80	98.97	26.320		
11,200.00	7,283.00	12,065.00	7,155.09	157.01	131.98	-59.02	1,749.56	4,045.31	2,704.28	2,605.65	98.63	27.419		
11,300.00	7,283.00	12,065.00	7,155.09	159.55	131.98	-59.02	1,749.56	4,045.31	2,803.83	2,705.51	98.32	28.517		
11,400.00	7,283.00	12,065.00	7,155.09	162.09	131.98	-59.02	1,749.56	4,045.31	2,903.42	2,805.38	98.04	29.615		
11,500.00	7,283.00	12,065.00	7,155.09	164.64	131.98	-59.02	1,749.56	4,045.31	3,003.03	2,905.25	97.78	30.712		
11,600.00	7,283.00	12,065.00	7,155.09	167.19	131.98	-59.02	1,749.56	4,045.31	3,102.67	3,005.12	97.54	31.809		
11,700.00	7,283.00	12,065.00	7,155.09	169.75	131.98	-59.02	1,749.56	4,045.31	3,202.32	3,105.00	97.32	32.904		
11,800.00	7,283.00	12,065.00	7,155.09	172.31	131.98	-59.02	1,749.56	4,045.31	3,302.00	3,204.88	97.12	33.999		
11,900.00	7,283.00	12,065.00	7,155.09	174.88	131.98	-59.02	1,749.56	4,045.31	3,401.70	3,304.77	96.94	35.092		
12,000.00	7,283.00	12,065.00	7,155.09	177.45	131.98	-59.02	1,749.56	4,045.31	3,501.42	3,404.65	96.76	36.185		
12,100.00	7,283.00	12,065.00	7,155.09	180.03	131.98	-59.02	1,749.56	4,045.31	3,601.15	3,504.54	96.61	37.277		
12,200.00	7,283.00	12,065.00	7,155.09	182.61	131.98	-59.02	1,749.56	4,045.31	3,700.89	3,604.44	96.46	38.367		
12,300.00	7,283.00	12,065.00	7,155.09	185.19	131.98	-59.02	1,749.56	4,045.31	3,800.65	3,704.33	96.32	39.457		
12,400.00	7,283.00	12,065.00	7,155.09	187.78	131.98	-59.02	1,749.56	4,045.31	3,900.43	3,804.23	96.20	40.546		
12,500.00	7,283.00	12,065.00	7,155.09	190.37	131.98	-59.02	1,749.56	4,045.31	4,000.21	3,904.13	96.08	41.633		
12,600.00	7,283.00	12,065.00	7,155.09	192.97	131.98	-59.02	1,749.56	4,045.31	4,100.00	4,004.03	95.97	42.720		
12,700.00	7,283.00	12,065.00	7,155.09	195.57	131.98	-59.02	1,749.56	4,045.31	4,199.80	4,103.93	95.88	43.805		
12,800.00	7,283.00	12,065.00	7,155.09	198.17	131.98	-59.02	1,749.56	4,045.31	4,299.62	4,203.83	95.78	44.889		
12,900.00	7,283.00	12,065.00	7,155.09	200.77	131.98	-59.02	1,749.56	4,045.31	4,399.44	4,303.74	95.70	45.972		
13,000.00	7,283.00	12,065.00	7,155.09	203.38	131.98	-59.02	1,749.56	4,045.31	4,499.27	4,403.65	95.62	47.054		
13,100.00	7,283.00	12,065.00	7,155.09	205.99	131.98	-59.02	1,749.56	4,045.31	4,599.10	4,503.56	95.55	48.134		
13,200.00	7,283.00	12,065.00	7,155.09	208.61	131.98	-59.02	1,749.56	4,045.31	4,698.95	4,603.47	95.48	49.214		
13,300.00	7,283.00	12,065.00	7,155.09	211.22	131.98	-59.02	1,749.56	4,045.31	4,798.80	4,703.38	95.42	50.292		
13,400.00	7,283.00	12,065.00	7,155.09	213.84	131.98	-59.02	1,749.56	4,045.31	4,898.65	4,803.29	95.36	51.369		
13,500.00	7,283.00	12,065.00	7,155.09	216.47	131.98	-59.02	1,749.56	4,045.31	4,998.51	4,903.20	95.31	52.444		
13,600.00	7,283.00	12,065.00	7,155.09	219.09	131.98	-59.02	1,749.56	4,045.31	5,098.38	5,003.12	95.26	53.519		
13,700.00	7,283.00	12,065.00	7,155.09	221.72	131.98	-59.02	1,749.56	4,045.31	5,198.25	5,103.03	95.22	54.592		
13,800.00	7,283.00	12,065.00	7,155.09	224.34	131.98	-59.02	1,749.56	4,045.31	5,298.13	5,202.95	95.18	55.663		
13,900.00	7,283.00	12,065.00	7,155.09	226.97	131.98	-59.02	1,749.56	4,045.31	5,398.01	5,302.87	95.15	56.734		
14,000.00	7,283.00	12,065.00	7,155.09	229.61	131.98	-59.02	1,749.56	4,045.31	5,497.90	5,402.78	95.11	57.803		
14,100.00	7,283.00	12,065.00	7,155.09	232.24	131.98	-59.02	1,749.56	4,045.31	5,597.79	5,502.70	95.09	58.871		
14,200.00	7,283.00	12,065.00	7,155.09	234.88	131.98	-59.02	1,749.56	4,045.31	5,697.68	5,602.62	95.06	59.937		
14,300.00	7,283.00	12,065.00	7,155.09	237.52	131.98	-59.02	1,749.56	4,045.31	5,797.58	5,702.54	95.04	61.002		
14,400.00	7,283.00	12,065.00	7,155.09	240.16	131.98	-59.02	1,749.56	4,045.31	5,897.48	5,802.46	95.02	62.066		
14,500.00	7,283.00	12,065.00	7,155.09	242.80	131.98	-59.02	1,749.56	4,045.31	5,997.39	5,902.38	95.00	63.128		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 125-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,600.00	7,283.00	12,065.00	7,155.09	245.44	131.98	-59.02	1,749.56	4,045.31	6,097.29	6,002.30	94.99	64.189		
14,700.00	7,283.00	12,065.00	7,155.09	248.09	131.98	-59.02	1,749.56	4,045.31	6,197.20	6,102.22	94.98	65.248		
14,800.00	7,283.00	12,065.00	7,155.09	250.74	131.98	-59.02	1,749.56	4,045.31	6,297.12	6,202.15	94.97	66.306		
14,900.00	7,283.00	12,065.00	7,155.09	253.38	131.98	-59.02	1,749.56	4,045.31	6,397.03	6,302.07	94.96	67.362		
15,000.00	7,283.00	12,065.00	7,155.09	256.03	131.98	-59.02	1,749.56	4,045.31	6,496.95	6,401.99	94.96	68.417		
15,100.00	7,283.00	12,065.00	7,155.09	258.69	131.98	-59.02	1,749.56	4,045.31	6,596.87	6,501.91	94.96	69.471		
15,200.00	7,283.00	12,065.00	7,155.09	261.34	131.98	-59.02	1,749.56	4,045.31	6,696.80	6,601.84	94.96	70.523		
15,300.00	7,283.00	12,065.00	7,155.09	263.99	131.98	-59.02	1,749.56	4,045.31	6,796.72	6,701.76	94.96	71.574		
15,400.00	7,283.00	12,065.00	7,155.09	266.65	131.98	-59.02	1,749.56	4,045.31	6,896.65	6,801.68	94.97	72.623		
15,500.00	7,283.00	12,065.00	7,155.09	269.31	131.98	-59.02	1,749.56	4,045.31	6,996.58	6,901.61	94.97	73.670		
15,600.00	7,283.00	12,065.00	7,155.09	271.96	131.98	-59.02	1,749.56	4,045.31	7,096.51	7,001.53	94.98	74.716		
15,700.00	7,283.00	12,065.00	7,155.09	274.62	131.98	-59.02	1,749.56	4,045.31	7,196.44	7,101.45	94.99	75.761		
15,800.00	7,283.00	12,065.00	7,155.09	277.28	131.98	-59.02	1,749.56	4,045.31	7,296.38	7,201.38	95.00	76.804		
15,900.00	7,283.00	12,065.00	7,155.09	279.94	131.98	-59.02	1,749.56	4,045.31	7,396.32	7,301.30	95.01	77.845		
16,000.00	7,283.00	12,065.00	7,155.09	282.61	131.98	-59.02	1,749.56	4,045.31	7,496.26	7,401.23	95.03	78.885		
16,100.00	7,283.00	12,065.00	7,155.09	285.27	131.98	-59.02	1,749.56	4,045.31	7,596.20	7,501.15	95.04	79.923		
16,200.00	7,283.00	12,065.00	7,155.09	287.94	131.98	-59.02	1,749.56	4,045.31	7,696.14	7,601.08	95.06	80.960		
16,300.00	7,283.00	12,065.00	7,155.09	290.60	131.98	-59.02	1,749.56	4,045.31	7,796.08	7,701.00	95.08	81.995		
16,400.00	7,283.00	12,065.00	7,155.09	293.27	131.98	-59.02	1,749.56	4,045.31	7,896.03	7,800.93	95.10	83.028		
16,500.00	7,283.00	12,065.00	7,155.09	295.94	131.98	-59.02	1,749.56	4,045.31	7,995.97	7,900.85	95.12	84.060		
16,600.00	7,283.00	12,065.00	7,155.09	298.60	131.98	-59.02	1,749.56	4,045.31	8,095.92	8,000.78	95.15	85.090		
16,700.00	7,283.00	12,065.00	7,155.09	301.27	131.98	-59.02	1,749.56	4,045.31	8,195.87	8,100.70	95.17	86.119		
16,800.00	7,283.00	12,065.00	7,155.09	303.94	131.98	-59.02	1,749.56	4,045.31	8,295.82	8,200.63	95.19	87.146		
16,900.00	7,283.00	12,065.00	7,155.09	306.62	131.98	-59.02	1,749.56	4,045.31	8,395.77	8,300.55	95.22	88.171		
17,000.00	7,283.00	12,065.00	7,155.09	309.29	131.98	-59.02	1,749.56	4,045.31	8,495.72	8,400.48	95.25	89.195		
17,100.00	7,283.00	12,065.00	7,155.09	311.96	131.98	-59.02	1,749.56	4,045.31	8,595.68	8,500.40	95.28	90.217		
17,200.00	7,283.00	12,065.00	7,155.09	314.63	131.98	-59.02	1,749.56	4,045.31	8,695.63	8,600.32	95.31	91.237		
17,300.00	7,283.00	12,065.00	7,155.09	317.31	131.98	-59.02	1,749.56	4,045.31	8,795.59	8,700.25	95.34	92.255		
17,400.00	7,283.00	12,065.00	7,155.09	319.98	131.98	-59.02	1,749.56	4,045.31	8,895.55	8,800.17	95.37	93.272		
17,500.00	7,283.00	12,065.00	7,155.09	322.66	131.98	-59.02	1,749.56	4,045.31	8,995.50	8,900.10	95.41	94.288		
17,600.00	7,283.00	12,065.00	7,155.09	325.34	131.98	-59.02	1,749.56	4,045.31	9,095.46	9,000.02	95.44	95.301		
17,700.00	7,283.00	12,065.00	7,155.09	328.01	131.98	-59.02	1,749.56	4,045.31	9,195.42	9,099.95	95.47	96.313		
17,800.00	7,283.00	12,065.00	7,155.09	330.69	131.98	-59.02	1,749.56	4,045.31	9,295.38	9,199.87	95.51	97.323		
17,900.00	7,283.00	12,065.00	7,155.09	333.37	131.98	-59.02	1,749.56	4,045.31	9,395.34	9,299.79	95.55	98.331		
18,000.00	7,283.00	12,065.00	7,155.09	336.05	131.98	-59.02	1,749.56	4,045.31	9,495.30	9,399.72	95.59	99.338		
18,100.00	7,283.00	12,065.00	7,155.09	338.73	131.98	-59.02	1,749.56	4,045.31	9,595.27	9,499.64	95.63	100.342		
18,200.00	7,283.00	12,065.00	7,155.09	341.41	131.98	-59.02	1,749.56	4,045.31	9,695.23	9,599.57	95.67	101.345		
18,300.00	7,283.00	12,065.00	7,155.09	344.09	131.98	-59.02	1,749.56	4,045.31	9,795.20	9,699.49	95.71	102.347		
18,400.00	7,283.00	12,065.00	7,155.09	346.77	131.98	-59.02	1,749.56	4,045.31	9,895.16	9,799.41	95.75	103.346		
18,500.00	7,283.00	12,065.00	7,155.09	349.46	131.98	-59.02	1,749.56	4,045.31	9,995.13	9,899.34	95.79	104.344		
18,600.00	7,283.00	12,065.00	7,155.09	352.14	131.98	-59.02	1,749.56	4,045.31	10,095.09	9,999.26	95.83	105.340		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 125-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	6.05	6.05	0.00	0.01	-90.97	-4.74	-279.59	279.63					
100.00	100.00	106.81	106.81	0.27	0.15	-90.95	-4.65	-279.43	279.47	279.06	0.42	671.914		
171.31	171.31	177.31	177.31	0.52	0.35	-90.94	-4.59	-279.29	279.33	278.45	0.88	318.232		
200.00	200.00	205.48	205.48	0.63	0.45	-90.95	-4.64	-279.32	279.35	278.28	1.08	259.110		
300.00	299.98	305.48	305.48	0.98	0.80	-160.64	-4.50	-279.53	281.22	279.44	1.78	157.981		
400.00	399.84	401.58	401.57	1.34	1.14	-160.73	-3.49	-280.35	286.99	284.51	2.48	115.725		
500.00	499.45	500.15	500.11	1.71	1.49	-160.91	-1.97	-282.00	296.85	293.66	3.19	92.940		
600.00	598.70	597.57	597.50	2.10	1.84	-161.20	-0.17	-284.10	310.48	306.57	3.91	79.415		
700.00	697.47	697.93	697.82	2.51	2.19	-161.76	1.08	-286.08	327.23	322.59	4.64	70.565		
800.00	795.62	793.76	793.63	2.95	2.54	-162.52	1.52	-288.20	347.57	342.22	5.35	64.920		
900.00	893.06	897.23	897.09	3.43	2.90	-163.47	1.56	-289.55	370.39	364.29	6.10	60.742		
1,000.00	989.64	994.98	994.82	3.95	3.25	-164.12	3.47	-289.94	395.54	388.71	6.83	57.921		
1,100.00	1,085.27	1,089.21	1,088.86	4.52	3.59	-164.20	9.23	-290.96	424.25	416.69	7.56	56.129		
1,200.00	1,179.82	1,183.80	1,182.93	5.14	3.93	-163.83	19.02	-292.22	456.03	447.72	8.31	54.906		
1,300.00	1,273.17	1,270.39	1,268.70	5.81	4.26	-163.23	30.59	-294.50	491.95	482.91	9.04	54.439		
1,400.00	1,365.21	1,357.96	1,355.03	6.54	4.60	-162.43	44.86	-297.83	531.85	522.06	9.79	54.304		
1,500.00	1,455.84	1,436.47	1,432.08	7.33	4.92	-161.60	59.30	-302.09	576.14	565.62	10.52	54.750		
1,600.00	1,544.94	1,509.42	1,503.35	8.19	5.23	-160.77	73.84	-307.68	625.29	614.06	11.24	55.650		
1,700.00	1,632.39	1,587.77	1,579.49	9.12	5.58	-159.87	90.68	-315.26	678.96	666.95	12.01	56.545		
1,800.00	1,718.11	1,666.00	1,655.40	10.11	5.94	-159.03	107.93	-322.98	735.54	722.74	12.80	57.474		
1,900.00	1,801.97	1,734.39	1,721.63	11.18	6.26	-158.27	123.28	-330.44	795.64	782.11	13.53	58.792		
1,969.27	1,858.92	1,779.66	1,765.35	11.96	6.48	-157.77	133.55	-336.11	839.63	825.59	14.03	59.829		
2,000.00	1,883.98	1,801.02	1,785.98	12.31	6.59	-157.74	138.39	-338.90	859.53	845.26	14.27	60.236		
2,100.00	1,965.50	1,870.94	1,853.46	13.48	6.93	-157.68	154.03	-348.37	924.69	909.66	15.03	61.517		
2,200.00	2,047.03	1,944.23	1,924.30	14.65	7.30	-157.67	169.75	-358.57	990.16	974.33	15.83	62.548		
2,300.00	2,128.56	2,015.35	1,993.17	15.84	7.65	-157.71	184.41	-368.67	1,055.87	1,039.26	16.61	63.560		
2,400.00	2,210.09	2,100.23	2,075.31	17.03	8.09	-157.74	202.05	-380.77	1,121.64	1,104.10	17.54	63.960		
2,500.00	2,291.61	2,200.28	2,171.75	18.23	8.61	-157.61	225.40	-393.43	1,186.10	1,167.46	18.64	63.631		
2,600.00	2,373.14	2,286.63	2,254.45	19.44	9.08	-157.35	248.35	-403.03	1,249.28	1,229.63	19.65	63.584		
2,700.00	2,454.67	2,359.96	2,324.57	20.64	9.49	-157.13	268.20	-411.14	1,312.45	1,291.91	20.54	63.899		
2,800.00	2,536.20	2,429.00	2,390.53	21.86	9.88	-156.94	286.93	-419.20	1,376.08	1,354.69	21.39	64.322		
2,900.00	2,617.72	2,495.94	2,454.40	23.07	10.26	-156.75	305.21	-427.44	1,440.23	1,418.00	22.23	64.776		
3,000.00	2,699.25	2,569.24	2,524.32	24.29	10.68	-156.58	325.12	-436.80	1,504.74	1,481.60	23.14	65.021		
3,100.00	2,780.78	2,643.76	2,595.83	25.50	11.10	-156.49	343.80	-446.31	1,569.27	1,545.22	24.05	65.245		
3,200.00	2,862.31	2,716.00	2,665.51	26.73	11.50	-156.48	360.32	-455.77	1,634.08	1,609.17	24.92	65.574		
3,300.00	2,943.83	2,815.04	2,761.42	27.95	12.03	-156.54	381.66	-468.18	1,698.51	1,672.46	26.05	65.196		
3,400.00	3,025.36	2,885.97	2,830.24	29.17	12.41	-156.59	396.62	-476.64	1,762.45	1,735.56	26.89	65.543		
3,500.00	3,106.89	3,016.90	2,957.32	30.40	13.10	-156.66	424.66	-490.89	1,825.73	1,797.39	28.34	64.412		
3,600.00	3,188.42	3,099.00	3,037.10	31.62	13.52	-156.68	442.70	-498.07	1,887.15	1,857.84	29.31	64.386		
3,700.00	3,269.94	3,161.48	3,097.81	32.85	13.85	-156.70	456.36	-503.66	1,948.82	1,918.75	30.08	64.798		
3,800.00	3,351.47	3,231.09	3,165.32	34.07	14.22	-156.71	471.68	-510.86	2,011.48	1,980.57	30.92	65.057		
3,900.00	3,433.00	3,315.04	3,246.49	35.30	14.68	-156.69	491.47	-519.13	2,073.76	2,041.83	31.92	64.959		
4,000.00	3,514.53	3,385.00	3,314.35	36.53	15.05	-156.70	506.82	-526.48	2,136.55	2,103.78	32.77	65.193		
4,100.00	3,596.05	3,497.43	3,423.58	37.76	15.64	-156.74	531.07	-537.41	2,198.82	2,164.77	34.06	64.562		
4,200.00	3,677.58	3,571.35	3,494.91	38.99	16.05	-156.69	549.30	-543.99	2,260.35	2,225.38	34.98	64.625		
4,300.00	3,759.11	3,637.37	3,558.22	40.22	16.43	-156.60	566.98	-550.14	2,322.18	2,286.34	35.84	64.799		
4,400.00	3,840.64	3,701.42	3,619.51	41.45	16.80	-156.51	584.45	-556.47	2,384.46	2,347.78	36.68	65.008		
4,500.00	3,922.16	3,767.00	3,682.15	42.68	17.19	-156.41	602.60	-563.38	2,447.23	2,409.69	37.54	65.182		
4,600.00	4,003.69	3,827.22	3,739.60	43.91	17.55	-156.32	619.38	-570.09	2,510.48	2,472.12	38.35	65.461		
4,700.00	4,085.22	3,892.05	3,801.41	45.15	17.94	-156.23	637.38	-577.65	2,574.15	2,534.94	39.21	65.652		
4,800.00	4,166.75	3,959.73	3,866.10	46.38	18.34	-156.15	655.55	-585.81	2,638.13	2,598.04	40.09	65.798		
4,900.00	4,248.27	4,071.87	3,974.15	47.61	18.97	-156.12	682.61	-598.69	2,701.68	2,660.23	41.45	65.179		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T4N-R68W - JESSER 3E-10-5N - ORIGINAL WELLBORE - WB #1 - PATT 901													Offset Site Error:	0.00 usft
Survey Program: 125-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,329.80	4,193.26	4,092.34	48.84	19.61	-156.22	707.25	-611.28	2,764.54	2,721.72	42.82	64.556		
5,100.00	4,411.33	10,016.10	7,054.71	50.08	82.22	-157.82	1,406.83	2,183.63	2,702.77	2,656.46	46.31	58.358		
5,200.00	4,492.86	10,050.83	7,054.97	51.31	83.10	-157.86	1,406.97	2,218.36	2,619.25	2,572.09	47.17	55.533		
5,300.00	4,574.38	10,090.00	7,055.65	52.54	84.10	-157.93	1,406.82	2,257.52	2,536.16	2,488.14	48.02	52.811		
5,400.00	4,655.91	10,128.34	7,056.61	53.78	85.08	-158.00	1,406.58	2,295.85	2,453.45	2,404.56	48.89	50.180		
5,500.00	4,737.44	10,171.67	7,057.88	55.01	86.18	-158.09	1,406.50	2,339.16	2,371.05	2,321.28	49.77	47.639		
5,600.00	4,818.97	10,222.03	7,059.53	56.24	87.47	-158.18	1,406.69	2,389.49	2,288.92	2,238.27	50.65	45.194		
5,700.00	4,900.49	10,275.50	7,061.29	57.48	88.84	-158.27	1,407.28	2,442.93	2,206.89	2,155.36	51.53	42.831		
5,800.00	4,982.02	10,328.30	7,063.06	58.71	90.20	-158.34	1,408.20	2,495.69	2,124.97	2,072.55	52.42	40.540		
5,900.00	5,063.55	10,387.87	7,065.12	59.95	91.73	-158.42	1,409.46	2,555.22	2,043.16	1,989.88	53.29	38.343		
6,000.00	5,145.08	10,580.23	7,066.54	61.18	96.69	-159.02	1,407.42	2,747.51	1,959.85	1,906.54	53.31	36.764		
6,100.00	5,226.60	10,638.43	7,064.60	62.42	98.19	-159.21	1,406.95	2,805.67	1,874.10	1,820.09	54.01	34.700		
6,200.00	5,308.13	10,683.29	7,062.98	63.65	99.35	-159.34	1,406.85	2,850.50	1,788.28	1,733.48	54.80	32.634		
6,300.00	5,389.66	10,720.07	7,061.94	64.89	100.31	-159.47	1,406.75	2,887.27	1,702.85	1,647.19	55.66	30.595		
6,400.00	5,471.19	10,758.00	7,061.23	66.12	101.29	-159.62	1,406.58	2,925.19	1,617.88	1,561.36	56.52	28.623		
6,500.00	5,552.72	10,808.15	7,060.54	67.36	102.59	-159.83	1,406.45	2,975.33	1,533.21	1,475.94	57.27	26.769		
6,600.00	5,634.24	10,859.12	7,059.88	68.59	103.92	-160.05	1,406.57	3,026.30	1,448.64	1,390.62	58.02	24.970		
6,700.00	5,715.77	10,913.32	7,059.14	69.83	105.33	-160.29	1,406.98	3,080.49	1,364.09	1,305.38	58.71	23.233		
6,800.00	5,797.30	10,963.30	7,058.40	71.06	106.63	-160.52	1,407.63	3,130.46	1,279.55	1,220.09	59.47	21.517		
6,900.00	5,878.83	11,006.04	7,058.04	72.30	107.75	-160.73	1,408.32	3,173.20	1,195.38	1,135.04	60.34	19.811		
7,000.00	5,960.35	11,052.26	7,058.06	73.53	108.95	-160.99	1,409.17	3,219.41	1,111.71	1,050.54	61.17	18.174		
7,100.00	6,041.88	11,112.74	7,058.19	74.77	110.53	-161.43	1,409.72	3,279.88	1,028.06	966.41	61.65	16.676		
7,200.00	6,123.41	11,171.87	7,058.15	76.01	112.08	-162.04	1,409.39	3,339.01	944.13	882.11	62.02	15.223		
7,300.00	6,204.94	11,229.87	7,057.88	77.24	113.60	-162.79	1,408.81	3,397.01	859.98	797.67	62.31	13.802		
7,400.00	6,286.46	11,283.77	7,057.50	78.48	115.01	-163.66	1,408.14	3,450.91	775.72	713.11	62.61	12.390		
7,500.00	6,367.99	11,337.52	7,057.11	79.71	116.42	-164.74	1,407.44	3,504.65	691.52	628.71	62.80	11.011		
7,600.00	6,449.52	11,392.52	7,056.61	80.95	117.87	-166.14	1,406.80	3,559.64	607.32	544.50	62.82	9.667		
7,700.00	6,531.05	11,447.74	7,055.92	82.19	119.32	-167.95	1,406.35	3,614.85	523.09	460.41	62.68	8.345		
7,800.00	6,612.57	11,503.23	7,054.89	83.42	120.78	-170.38	1,406.30	3,670.34	438.79	376.38	62.41	7.031		
7,900.00	6,694.10	11,558.27	7,053.48	84.66	122.22	-173.79	1,406.68	3,725.35	354.47	292.28	62.18	5.701		
8,000.00	6,775.63	11,612.41	7,051.67	85.89	123.65	-179.03	1,407.44	3,779.46	270.30	207.63	62.68	4.313		
8,100.00	6,857.16	11,660.98	7,050.18	87.13	124.93	172.78	1,408.14	3,828.00	187.53	120.06	67.47	2.780		
8,200.00	6,938.68	11,712.00	7,049.53	88.37	126.27	155.74	1,408.46	3,879.02	109.92	16.22	93.70	1.173 Level 2		
8,300.00	7,020.21	11,766.16	7,049.65	89.60	127.70	119.32	1,409.05	3,933.17	57.56	-141.80	199.35	0.289 Level 1		
8,310.57	7,028.83	11,772.09	7,049.70	89.73	127.86	114.34	1,409.17	3,939.10	56.57	-151.96	208.52	0.271 Level 1		
8,313.06	7,030.85	11,773.50	7,049.71	89.77	127.89	113.02	1,409.20	3,940.51	56.53	-153.54	210.07	0.269 Level 1, CC, ES, SF		
8,350.00	7,060.23	11,795.62	7,049.96	90.25	128.48	92.81	1,409.78	3,962.62	63.88	-142.76	206.64	0.309 Level 1		
8,400.00	7,097.77	11,828.44	7,050.47	90.98	129.34	69.28	1,410.85	3,995.42	88.01	-84.95	172.96	0.509 Level 1		
8,450.00	7,132.48	11,864.17	7,051.04	91.79	130.29	53.45	1,412.04	4,031.13	116.83	-31.64	148.47	0.787 Level 1		
8,500.00	7,164.10	11,902.82	7,051.65	92.67	131.31	43.40	1,413.33	4,069.74	145.26	11.39	133.87	1.085 Level 2		
8,550.00	7,192.40	11,930.00	7,052.08	93.63	132.03	38.06	1,414.23	4,096.91	172.04	50.69	121.35	1.418 Level 3		
8,600.00	7,217.15	11,930.00	7,052.08	94.64	132.03	35.86	1,414.23	4,096.91	202.99	98.77	104.22	1.948		
8,650.00	7,238.16	11,930.00	7,052.08	95.70	132.03	33.63	1,414.23	4,096.91	237.83	147.51	90.32	2.633		
8,700.00	7,255.29	11,930.00	7,052.08	96.80	132.03	31.48	1,414.23	4,096.91	274.89	194.95	79.94	3.439		
8,750.00	7,268.39	11,930.00	7,052.08	97.92	132.03	29.49	1,414.23	4,096.91	313.15	240.36	72.79	4.302		
8,800.00	7,277.37	11,930.00	7,052.08	99.06	132.03	27.73	1,414.23	4,096.91	351.97	283.58	68.38	5.147		
8,850.00	7,282.15	11,930.00	7,052.08	100.20	132.03	26.21	1,414.23	4,096.91	390.93	324.87	66.06	5.918		
8,881.61	7,283.00	11,930.00	7,052.08	100.91	132.03	25.38	1,414.23	4,096.91	415.50	350.16	65.34	6.359		
8,900.00	7,283.00	11,930.00	7,052.08	101.33	132.03	25.38	1,414.23	4,096.91	429.92	364.82	65.11	6.603		
9,000.00	7,283.00	11,930.00	7,052.08	103.59	132.03	25.38	1,414.23	4,096.91	512.81	447.71	65.10	7.877		
9,100.00	7,283.00	11,930.00	7,052.08	105.87	132.03	25.38	1,414.23	4,096.91	600.93	534.99	65.93	9.114		
9,200.00	7,283.00	11,930.00	7,052.08	108.18	132.03	25.38	1,414.23	4,096.91	692.28	625.35	66.93	10.344		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T4N-R68W - JESSER 3E-10-5N - ORIGINAL WELLBORE - WB #1 - PATT 901													Offset Site Error:	0.00 usft
Survey Program: 125-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,300.00	7,283.00	11,930.00	7,052.08	110.50	132.03	25.38	1,414.23	4,096.91	785.74	717.84	67.90	11.572		
9,400.00	7,283.00	11,930.00	7,052.08	112.84	132.03	25.38	1,414.23	4,096.91	880.64	811.85	68.79	12.801		
9,500.00	7,283.00	11,930.00	7,052.08	115.19	132.03	25.38	1,414.23	4,096.91	976.56	906.97	69.60	14.032		
9,600.00	7,283.00	11,930.00	7,052.08	117.56	132.03	25.38	1,414.23	4,096.91	1,073.23	1,002.91	70.31	15.264		
9,700.00	7,283.00	11,930.00	7,052.08	119.95	132.03	25.38	1,414.23	4,096.91	1,170.45	1,099.50	70.95	16.496		
9,800.00	7,283.00	11,930.00	7,052.08	122.34	132.03	25.38	1,414.23	4,096.91	1,268.11	1,196.58	71.52	17.730		
9,900.00	7,283.00	11,930.00	7,052.08	124.76	132.03	25.38	1,414.23	4,096.91	1,366.10	1,294.06	72.04	18.964		
10,000.00	7,283.00	11,930.00	7,052.08	127.18	132.03	25.38	1,414.23	4,096.91	1,464.37	1,391.86	72.50	20.198		
10,100.00	7,283.00	11,930.00	7,052.08	129.61	132.03	25.38	1,414.23	4,096.91	1,562.85	1,489.93	72.92	21.432		
10,200.00	7,283.00	11,930.00	7,052.08	132.06	132.03	25.38	1,414.23	4,096.91	1,661.52	1,588.21	73.31	22.666		
10,300.00	7,283.00	11,930.00	7,052.08	134.52	132.03	25.38	1,414.23	4,096.91	1,760.34	1,686.68	73.66	23.899		
10,400.00	7,283.00	11,930.00	7,052.08	136.98	132.03	25.38	1,414.23	4,096.91	1,859.28	1,785.30	73.98	25.133		
10,500.00	7,283.00	11,930.00	7,052.08	139.46	132.03	25.38	1,414.23	4,096.91	1,958.33	1,884.06	74.28	26.366		
10,600.00	7,283.00	11,930.00	7,052.08	141.94	132.03	25.38	1,414.23	4,096.91	2,057.48	1,982.92	74.55	27.598		
10,700.00	7,283.00	11,930.00	7,052.08	144.44	132.03	25.38	1,414.23	4,096.91	2,156.70	2,081.89	74.81	28.829		
10,800.00	7,283.00	11,930.00	7,052.08	146.94	132.03	25.38	1,414.23	4,096.91	2,255.99	2,180.94	75.05	30.060		
10,900.00	7,283.00	11,930.00	7,052.08	149.45	132.03	25.38	1,414.23	4,096.91	2,355.34	2,280.07	75.27	31.290		
11,000.00	7,283.00	11,930.00	7,052.08	151.96	132.03	25.38	1,414.23	4,096.91	2,454.74	2,379.26	75.49	32.519		
11,100.00	7,283.00	11,930.00	7,052.08	154.49	132.03	25.38	1,414.23	4,096.91	2,554.19	2,478.51	75.69	33.747		
11,200.00	7,283.00	11,930.00	7,052.08	157.01	132.03	25.38	1,414.23	4,096.91	2,653.69	2,577.81	75.88	34.974		
11,300.00	7,283.00	11,930.00	7,052.08	159.55	132.03	25.38	1,414.23	4,096.91	2,753.21	2,677.16	76.06	36.199		
11,400.00	7,283.00	11,930.00	7,052.08	162.09	132.03	25.38	1,414.23	4,096.91	2,852.77	2,776.55	76.23	37.424		
11,500.00	7,283.00	11,930.00	7,052.08	164.64	132.03	25.38	1,414.23	4,096.91	2,952.37	2,875.97	76.39	38.647		
11,600.00	7,283.00	11,930.00	7,052.08	167.19	132.03	25.38	1,414.23	4,096.91	3,051.98	2,975.43	76.55	39.869		
11,700.00	7,283.00	11,930.00	7,052.08	169.75	132.03	25.38	1,414.23	4,096.91	3,151.63	3,074.93	76.70	41.090		
11,800.00	7,283.00	11,930.00	7,052.08	172.31	132.03	25.38	1,414.23	4,096.91	3,251.29	3,174.44	76.84	42.310		
11,900.00	7,283.00	11,930.00	7,052.08	174.88	132.03	25.38	1,414.23	4,096.91	3,350.97	3,273.99	76.98	43.528		
12,000.00	7,283.00	11,930.00	7,052.08	177.45	132.03	25.38	1,414.23	4,096.91	3,450.68	3,373.56	77.12	44.745		
12,100.00	7,283.00	11,930.00	7,052.08	180.03	132.03	25.38	1,414.23	4,096.91	3,550.39	3,473.14	77.25	45.960		
12,200.00	7,283.00	11,930.00	7,052.08	182.61	132.03	25.38	1,414.23	4,096.91	3,650.13	3,572.75	77.38	47.174		
12,300.00	7,283.00	11,930.00	7,052.08	185.19	132.03	25.38	1,414.23	4,096.91	3,749.88	3,672.38	77.50	48.386		
12,400.00	7,283.00	11,930.00	7,052.08	187.78	132.03	25.38	1,414.23	4,096.91	3,849.64	3,772.02	77.62	49.597		
12,500.00	7,283.00	11,930.00	7,052.08	190.37	132.03	25.38	1,414.23	4,096.91	3,949.41	3,871.68	77.73	50.806		
12,600.00	7,283.00	11,930.00	7,052.08	192.97	132.03	25.38	1,414.23	4,096.91	4,049.20	3,971.35	77.85	52.014		
12,700.00	7,283.00	11,930.00	7,052.08	195.57	132.03	25.38	1,414.23	4,096.91	4,148.99	4,071.03	77.96	53.220		
12,800.00	7,283.00	11,930.00	7,052.08	198.17	132.03	25.38	1,414.23	4,096.91	4,248.80	4,170.73	78.07	54.425		
12,900.00	7,283.00	11,930.00	7,052.08	200.77	132.03	25.38	1,414.23	4,096.91	4,348.61	4,270.44	78.17	55.627		
13,000.00	7,283.00	11,930.00	7,052.08	203.38	132.03	25.38	1,414.23	4,096.91	4,448.43	4,370.16	78.28	56.829		
13,100.00	7,283.00	11,930.00	7,052.08	205.99	132.03	25.38	1,414.23	4,096.91	4,548.26	4,469.88	78.38	58.028		
13,200.00	7,283.00	11,930.00	7,052.08	208.61	132.03	25.38	1,414.23	4,096.91	4,648.10	4,569.62	78.48	59.226		
13,300.00	7,283.00	11,930.00	7,052.08	211.22	132.03	25.38	1,414.23	4,096.91	4,747.94	4,669.36	78.58	60.422		
13,400.00	7,283.00	11,930.00	7,052.08	213.84	132.03	25.38	1,414.23	4,096.91	4,847.79	4,769.12	78.68	61.616		
13,500.00	7,283.00	11,930.00	7,052.08	216.47	132.03	25.38	1,414.23	4,096.91	4,947.65	4,868.88	78.77	62.809		
13,600.00	7,283.00	11,930.00	7,052.08	219.09	132.03	25.38	1,414.23	4,096.91	5,047.51	4,968.65	78.87	63.999		
13,700.00	7,283.00	11,930.00	7,052.08	221.72	132.03	25.38	1,414.23	4,096.91	5,147.38	5,068.42	78.96	65.188		
13,800.00	7,283.00	11,930.00	7,052.08	224.34	132.03	25.38	1,414.23	4,096.91	5,247.25	5,168.20	79.05	66.375		
13,900.00	7,283.00	11,930.00	7,052.08	226.97	132.03	25.38	1,414.23	4,096.91	5,347.13	5,267.99	79.15	67.561		
14,000.00	7,283.00	11,930.00	7,052.08	229.61	132.03	25.38	1,414.23	4,096.91	5,447.01	5,367.78	79.24	68.744		
14,100.00	7,283.00	11,930.00	7,052.08	232.24	132.03	25.38	1,414.23	4,096.91	5,546.90	5,467.57	79.33	69.925		
14,200.00	7,283.00	11,930.00	7,052.08	234.88	132.03	25.38	1,414.23	4,096.91	5,646.79	5,567.37	79.41	71.105		
14,300.00	7,283.00	11,930.00	7,052.08	237.52	132.03	25.38	1,414.23	4,096.91	5,746.68	5,667.18	79.50	72.282		
14,400.00	7,283.00	11,930.00	7,052.08	240.16	132.03	25.38	1,414.23	4,096.91	5,846.58	5,766.99	79.59	73.458		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 125-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,500.00	7,283.00	11,930.00	7,052.08	242.80	132.03	25.38	1,414.23	4,096.91	5,946.48	5,866.80	79.68	74.632		
14,600.00	7,283.00	11,930.00	7,052.08	245.44	132.03	25.38	1,414.23	4,096.91	6,046.39	5,966.62	79.76	75.804		
14,700.00	7,283.00	11,930.00	7,052.08	248.09	132.03	25.38	1,414.23	4,096.91	6,146.29	6,066.44	79.85	76.973		
14,800.00	7,283.00	11,930.00	7,052.08	250.74	132.03	25.38	1,414.23	4,096.91	6,246.20	6,166.27	79.94	78.141		
14,900.00	7,283.00	11,930.00	7,052.08	253.38	132.03	25.38	1,414.23	4,096.91	6,346.12	6,266.10	80.02	79.307		
15,000.00	7,283.00	11,930.00	7,052.08	256.03	132.03	25.38	1,414.23	4,096.91	6,446.03	6,365.93	80.10	80.470		
15,100.00	7,283.00	11,930.00	7,052.08	258.69	132.03	25.38	1,414.23	4,096.91	6,545.95	6,465.76	80.19	81.632		
15,200.00	7,283.00	11,930.00	7,052.08	261.34	132.03	25.38	1,414.23	4,096.91	6,645.87	6,565.60	80.27	82.791		
15,300.00	7,283.00	11,930.00	7,052.08	263.99	132.03	25.38	1,414.23	4,096.91	6,745.80	6,665.44	80.36	83.949		
15,400.00	7,283.00	11,930.00	7,052.08	266.65	132.03	25.38	1,414.23	4,096.91	6,845.72	6,765.28	80.44	85.104		
15,500.00	7,283.00	11,930.00	7,052.08	269.31	132.03	25.38	1,414.23	4,096.91	6,945.65	6,865.13	80.52	86.258		
15,600.00	7,283.00	11,930.00	7,052.08	271.96	132.03	25.38	1,414.23	4,096.91	7,045.58	6,964.97	80.60	87.409		
15,700.00	7,283.00	11,930.00	7,052.08	274.62	132.03	25.38	1,414.23	4,096.91	7,145.51	7,064.82	80.69	88.558		
15,800.00	7,283.00	11,930.00	7,052.08	277.28	132.03	25.38	1,414.23	4,096.91	7,245.44	7,164.67	80.77	89.705		
15,900.00	7,283.00	11,930.00	7,052.08	279.94	132.03	25.38	1,414.23	4,096.91	7,345.38	7,264.53	80.85	90.849		
16,000.00	7,283.00	11,930.00	7,052.08	282.61	132.03	25.38	1,414.23	4,096.91	7,445.32	7,364.38	80.93	91.992		
16,100.00	7,283.00	11,930.00	7,052.08	285.27	132.03	25.38	1,414.23	4,096.91	7,545.26	7,464.24	81.02	93.132		
16,200.00	7,283.00	11,930.00	7,052.08	287.94	132.03	25.38	1,414.23	4,096.91	7,645.20	7,564.10	81.10	94.270		
16,300.00	7,283.00	11,930.00	7,052.08	290.60	132.03	25.38	1,414.23	4,096.91	7,745.14	7,663.96	81.18	95.406		
16,400.00	7,283.00	11,930.00	7,052.08	293.27	132.03	25.38	1,414.23	4,096.91	7,845.08	7,763.82	81.26	96.540		
16,500.00	7,283.00	11,930.00	7,052.08	295.94	132.03	25.38	1,414.23	4,096.91	7,945.03	7,863.68	81.34	97.671		
16,600.00	7,283.00	11,930.00	7,052.08	298.60	132.03	25.38	1,414.23	4,096.91	8,044.97	7,963.55	81.43	98.801		
16,700.00	7,283.00	11,930.00	7,052.08	301.27	132.03	25.38	1,414.23	4,096.91	8,144.92	8,063.41	81.51	99.928		
16,800.00	7,283.00	11,930.00	7,052.08	303.94	132.03	25.38	1,414.23	4,096.91	8,244.87	8,163.28	81.59	101.052		
16,900.00	7,283.00	11,930.00	7,052.08	306.62	132.03	25.38	1,414.23	4,096.91	8,344.82	8,263.15	81.67	102.175		
17,000.00	7,283.00	11,930.00	7,052.08	309.29	132.03	25.38	1,414.23	4,096.91	8,444.77	8,363.02	81.75	103.295		
17,100.00	7,283.00	11,930.00	7,052.08	311.96	132.03	25.38	1,414.23	4,096.91	8,544.72	8,462.89	81.84	104.413		
17,200.00	7,283.00	11,930.00	7,052.08	314.63	132.03	25.38	1,414.23	4,096.91	8,644.68	8,562.76	81.92	105.529		
17,300.00	7,283.00	11,930.00	7,052.08	317.31	132.03	25.38	1,414.23	4,096.91	8,744.63	8,662.63	82.00	106.642		
17,400.00	7,283.00	11,930.00	7,052.08	319.98	132.03	25.38	1,414.23	4,096.91	8,844.59	8,762.50	82.08	107.753		
17,500.00	7,283.00	11,930.00	7,052.08	322.66	132.03	25.38	1,414.23	4,096.91	8,944.54	8,862.38	82.16	108.861		
17,600.00	7,283.00	11,930.00	7,052.08	325.34	132.03	25.38	1,414.23	4,096.91	9,044.50	8,962.25	82.25	109.968		
17,700.00	7,283.00	11,930.00	7,052.08	328.01	132.03	25.38	1,414.23	4,096.91	9,144.46	9,062.13	82.33	111.072		
17,800.00	7,283.00	11,930.00	7,052.08	330.69	132.03	25.38	1,414.23	4,096.91	9,244.42	9,162.01	82.41	112.173		
17,900.00	7,283.00	11,930.00	7,052.08	333.37	132.03	25.38	1,414.23	4,096.91	9,344.38	9,261.88	82.49	113.272		
18,000.00	7,283.00	11,930.00	7,052.08	336.05	132.03	25.38	1,414.23	4,096.91	9,444.34	9,361.76	82.58	114.369		
18,100.00	7,283.00	11,930.00	7,052.08	338.73	132.03	25.38	1,414.23	4,096.91	9,544.30	9,461.64	82.66	115.464		
18,200.00	7,283.00	11,930.00	7,052.08	341.41	132.03	25.38	1,414.23	4,096.91	9,644.26	9,561.52	82.74	116.556		
18,300.00	7,283.00	11,930.00	7,052.08	344.09	132.03	25.38	1,414.23	4,096.91	9,744.23	9,661.40	82.83	117.646		
18,400.00	7,283.00	11,930.00	7,052.08	346.77	132.03	25.38	1,414.23	4,096.91	9,844.19	9,761.28	82.91	118.733		
18,500.00	7,283.00	11,930.00	7,052.08	349.46	132.03	25.38	1,414.23	4,096.91	9,944.16	9,861.16	82.99	119.818		
18,600.00	7,283.00	11,930.00	7,052.08	352.14	132.03	25.38	1,414.23	4,096.91	10,044.12	9,961.04	83.08	120.900		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 125-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	5.75	5.75	0.00	0.01	-90.96	-4.37	-259.80	259.83					
100.00	100.00	101.61	101.61	0.27	0.14	-90.95	-4.34	-260.65	260.73	260.31	0.41	633.208		
200.00	200.00	201.13	201.11	0.63	0.45	-90.98	-4.49	-262.59	262.67	261.60	1.07	244.528		
300.00	299.98	306.52	306.48	0.98	0.82	-160.86	-5.24	-263.59	265.29	263.49	1.80	147.539		
400.00	399.84	406.21	406.17	1.34	1.17	-161.43	-6.36	-263.40	270.08	267.57	2.51	107.786		
500.00	499.45	505.40	505.35	1.71	1.52	-162.30	-8.03	-263.37	278.41	275.19	3.22	86.421		
600.00	598.70	608.78	608.72	2.10	1.88	-163.20	-9.03	-262.46	289.23	285.28	3.95	73.274		
700.00	697.47	705.60	705.52	2.51	2.22	-164.09	-9.60	-261.28	303.10	298.44	4.66	65.097		
800.00	795.62	799.21	799.12	2.95	2.54	-164.62	-8.22	-261.63	321.72	316.37	5.35	60.079		
900.00	893.06	896.90	896.65	3.43	2.87	-164.58	-2.91	-262.77	344.09	338.02	6.07	56.698		
1,000.00	989.64	991.08	990.45	3.95	3.20	-164.14	5.31	-264.51	370.08	363.30	6.78	54.545		
1,100.00	1,085.27	1,081.90	1,080.73	4.52	3.53	-163.58	14.93	-267.03	400.04	392.53	7.50	53.317		
1,200.00	1,179.82	1,164.73	1,162.93	5.14	3.83	-163.09	24.22	-271.11	435.14	426.95	8.20	53.090		
1,300.00	1,273.17	1,253.00	1,250.42	5.81	4.17	-162.68	34.20	-277.17	475.14	466.22	8.93	53.233		
1,400.00	1,365.21	1,342.13	1,338.73	6.54	4.51	-162.38	44.29	-283.74	518.62	508.95	9.67	53.615		
1,500.00	1,455.84	1,420.14	1,415.93	7.33	4.82	-162.09	53.61	-290.03	565.66	555.29	10.37	54.552		
1,600.00	1,544.94	1,505.29	1,499.90	8.19	5.16	-161.71	65.09	-298.17	616.79	605.66	11.13	55.430		
1,700.00	1,632.39	1,593.97	1,587.22	9.12	5.53	-161.29	78.32	-306.27	670.29	658.36	11.93	56.179		
1,800.00	1,718.11	1,679.53	1,671.45	10.11	5.90	-160.91	91.46	-313.58	726.04	713.30	12.73	57.023		
1,900.00	1,801.97	1,753.57	1,744.28	11.18	6.21	-160.55	103.04	-320.20	784.80	771.33	13.47	58.277		
1,969.27	1,858.92	1,804.14	1,793.91	11.96	6.44	-160.28	111.35	-325.11	827.44	813.46	13.98	59.170		
2,000.00	1,883.98	1,826.32	1,815.63	12.31	6.54	-160.30	115.27	-327.36	846.72	832.50	14.21	59.570		
2,100.00	1,965.50	1,898.29	1,885.90	13.48	6.86	-160.29	128.81	-335.03	909.78	894.82	14.96	60.824		
2,200.00	2,047.03	1,970.20	1,956.15	14.65	7.20	-160.32	141.89	-343.10	973.32	957.61	15.71	61.964		
2,300.00	2,128.56	2,042.94	2,027.33	15.84	7.53	-160.41	154.18	-351.54	1,037.22	1,020.76	16.46	62.999		
2,400.00	2,210.09	2,117.25	2,100.09	17.03	7.88	-160.51	166.47	-360.39	1,101.38	1,084.14	17.24	63.890		
2,500.00	2,291.61	2,189.60	2,170.78	18.23	8.22	-160.55	179.10	-369.23	1,165.73	1,147.73	18.01	64.741		
2,600.00	2,373.14	2,261.91	2,241.34	19.44	8.56	-160.58	191.94	-378.40	1,230.41	1,211.63	18.78	65.516		
2,700.00	2,454.67	2,334.00	2,311.69	20.64	8.91	-160.60	204.70	-387.64	1,295.21	1,275.65	19.56	66.229		
2,800.00	2,536.20	2,406.92	2,382.84	21.86	9.26	-160.62	217.54	-397.18	1,360.21	1,339.87	20.34	66.859		
2,900.00	2,617.72	2,509.45	2,482.85	23.07	9.76	-160.61	236.45	-409.44	1,424.17	1,402.75	21.42	66.479		
3,000.00	2,699.25	2,618.92	2,589.80	24.29	10.29	-160.58	257.18	-420.13	1,486.31	1,463.74	22.57	65.853		
3,100.00	2,780.78	2,735.10	2,703.14	25.50	10.86	-160.48	280.98	-429.10	1,546.76	1,522.97	23.79	65.006		
3,200.00	2,862.31	2,783.74	2,750.52	26.73	11.10	-160.43	291.26	-433.02	1,607.66	1,583.27	24.40	65.890		
3,300.00	2,943.83	2,838.61	2,804.04	27.95	11.37	-160.40	302.11	-438.44	1,670.00	1,644.96	25.05	66.668		
3,400.00	3,025.36	2,907.00	2,870.89	29.17	11.70	-160.42	314.53	-445.71	1,733.08	1,707.26	25.82	67.126		
3,500.00	3,106.89	2,970.82	2,933.32	30.40	12.01	-160.44	325.69	-452.89	1,796.66	1,770.12	26.54	67.703		
3,600.00	3,188.42	3,047.41	3,008.17	31.62	12.38	-160.47	339.21	-461.82	1,860.57	1,833.19	27.38	67.955		
3,700.00	3,269.94	3,121.92	3,081.19	32.85	12.75	-160.53	351.37	-470.26	1,924.29	1,896.10	28.20	68.249		
3,800.00	3,351.47	3,178.44	3,136.49	34.07	13.02	-160.57	360.85	-477.11	1,988.60	1,959.77	28.84	68.961		
3,900.00	3,433.00	3,249.38	3,205.80	35.30	13.37	-160.60	372.90	-486.25	2,053.49	2,023.86	29.62	69.326		
4,000.00	3,514.53	3,320.05	3,275.00	36.53	13.71	-160.66	384.01	-495.33	2,118.42	2,088.03	30.40	69.691		
4,100.00	3,596.05	3,385.00	3,338.45	37.76	14.03	-160.69	394.83	-504.05	2,183.74	2,152.61	31.12	70.169		
4,200.00	3,677.58	3,452.20	3,402.54	38.99	14.79	-160.80	420.23	-521.88	2,247.14	2,214.40	32.75	68.622		
4,300.00	3,759.11	3,617.05	3,565.95	40.22	15.14	-160.84	432.77	-529.30	2,309.76	2,276.19	33.57	68.802		
4,400.00	3,840.64	3,680.68	3,628.26	41.45	15.45	-160.85	443.82	-535.99	2,372.79	2,338.50	34.29	69.192		
4,500.00	3,922.16	3,745.89	3,692.06	42.68	15.77	-160.87	455.23	-543.20	2,436.24	2,401.21	35.03	69.542		
4,600.00	4,003.69	3,811.80	3,756.53	43.91	16.10	-160.88	466.65	-550.80	2,500.07	2,464.29	35.78	69.877		
4,700.00	4,085.22	3,886.92	3,830.01	45.15	16.46	-160.90	479.43	-559.73	2,564.19	2,527.58	36.61	70.036		
4,800.00	4,166.75	4,000.22	3,941.15	46.38	17.01	-160.97	497.55	-572.26	2,627.76	2,589.95	37.81	69.497		
4,900.00	4,248.27	4,092.36	4,031.63	47.61	17.45	-161.02	512.38	-581.30	2,690.30	2,651.50	38.80	69.330		
5,000.00	4,329.80	4,159.20	4,096.92	48.84	17.78	-161.00	524.95	-588.14	2,753.03	2,713.45	39.57	69.571		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T4N-R68W - JESSER 3E-10-6C - ORIGINAL WELLBORE - WB #1 - PATT 901													Offset Site Error:	0.00 usft
Survey Program: 125-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,411.33	4,234.33	4,170.25	50.08	18.15	-160.98	539.26	-596.01	2,815.93	2,775.50	40.43	69.648		
5,200.00	4,492.86	10,304.02	7,264.08	51.31	84.63	-171.67	1,078.86	2,263.07	2,775.88	2,733.56	42.32	65.596		
5,300.00	4,574.38	10,352.63	7,263.82	52.54	85.87	-172.08	1,079.68	2,311.68	2,692.72	2,649.74	42.98	62.646		
5,400.00	4,655.91	10,398.13	7,263.68	53.78	87.04	-172.47	1,080.45	2,357.17	2,609.75	2,566.10	43.65	59.788		
5,500.00	4,737.44	10,440.33	7,263.77	55.01	88.12	-172.87	1,080.85	2,399.37	2,527.08	2,482.76	44.32	57.018		
5,600.00	4,818.97	10,487.14	7,264.12	56.24	89.32	-173.36	1,080.90	2,446.18	2,444.75	2,399.74	45.00	54.324		
5,700.00	4,900.49	10,547.65	7,264.56	57.48	90.88	-174.02	1,080.87	2,506.69	2,362.49	2,316.79	45.70	51.698		
5,800.00	4,982.02	10,605.63	7,264.86	58.71	92.37	-174.71	1,080.90	2,564.67	2,280.22	2,233.82	46.40	49.141		
5,900.00	5,063.55	10,662.27	7,265.10	59.95	93.83	-175.42	1,080.98	2,621.30	2,198.01	2,150.89	47.12	46.648		
6,000.00	5,145.08	10,713.51	7,265.32	61.18	95.15	-176.11	1,081.13	2,672.54	2,115.93	2,068.07	47.86	44.210		
6,100.00	5,226.60	10,765.29	7,265.63	62.42	96.49	-176.85	1,081.38	2,724.32	2,034.07	1,985.44	48.63	41.827		
6,200.00	5,308.13	10,820.26	7,266.00	63.65	97.92	-177.69	1,081.67	2,779.29	1,952.40	1,902.97	49.43	39.495		
6,300.00	5,389.66	10,873.79	7,266.36	64.89	99.31	-178.57	1,081.90	2,832.82	1,870.90	1,820.62	50.29	37.206		
6,400.00	5,471.19	10,925.04	7,266.79	66.12	100.64	-179.49	1,082.02	2,884.06	1,789.69	1,738.49	51.20	34.953		
6,500.00	5,552.72	11,038.51	7,266.40	67.36	103.59	-178.16	1,081.16	2,997.52	1,708.30	1,656.15	52.15	32.757		
6,600.00	5,634.24	11,087.69	7,265.14	68.59	104.87	-176.96	1,080.17	3,046.68	1,625.77	1,572.49	53.29	30.510		
6,700.00	5,715.77	11,132.27	7,264.21	69.83	106.04	-175.81	1,079.49	3,091.24	1,543.83	1,489.26	54.57	28.292		
6,800.00	5,797.30	11,183.32	7,263.33	71.06	107.37	-174.39	1,078.85	3,142.28	1,462.43	1,406.39	56.04	26.097		
6,900.00	5,878.83	11,235.75	7,262.42	72.30	108.74	-172.78	1,078.10	3,194.69	1,381.48	1,323.72	57.76	23.919		
7,000.00	5,960.35	11,278.13	7,261.84	73.53	109.85	-171.37	1,077.37	3,237.07	1,301.26	1,241.48	59.77	21.770		
7,100.00	6,041.88	11,321.10	7,261.58	74.77	110.98	-169.81	1,076.42	3,280.03	1,222.11	1,159.93	62.18	19.654		
7,200.00	6,123.41	11,370.61	7,261.59	76.01	112.27	-167.84	1,075.16	3,329.52	1,144.09	1,078.96	65.13	17.567		
7,300.00	6,204.94	11,422.44	7,261.72	77.24	113.63	-165.59	1,073.87	3,381.33	1,067.15	998.40	68.74	15.524		
7,400.00	6,286.46	11,476.16	7,261.92	78.48	115.04	-163.02	1,072.55	3,435.04	991.45	918.22	73.22	13.541		
7,500.00	6,367.99	11,529.92	7,262.11	79.71	116.46	-160.17	1,071.18	3,488.78	917.23	838.45	78.77	11.644		
7,600.00	6,449.52	11,582.98	7,262.31	80.95	117.85	-157.06	1,069.68	3,541.82	844.91	759.24	85.67	9.863		
7,700.00	6,531.05	11,635.99	7,262.49	82.19	119.25	-153.60	1,067.95	3,594.80	775.06	680.82	94.24	8.224		
7,800.00	6,612.57	11,688.42	7,262.52	83.42	120.63	-149.81	1,065.68	3,647.17	708.45	603.56	104.89	6.754		
7,900.00	6,694.10	11,743.55	7,262.37	84.66	122.08	-145.41	1,062.84	3,702.24	646.13	528.04	118.08	5.472		
8,000.00	6,775.63	11,803.32	7,262.29	85.89	123.66	-140.28	1,060.83	3,761.97	588.95	455.07	133.88	4.399		
8,100.00	6,857.16	11,857.05	7,262.31	87.13	125.08	-135.33	1,059.71	3,815.69	538.62	387.07	151.55	3.554		
8,200.00	6,938.68	11,910.25	7,262.39	88.37	126.48	-130.12	1,058.56	3,868.87	497.61	326.97	170.65	2.916		
8,300.00	7,020.21	11,963.84	7,262.56	89.60	127.90	-124.62	1,057.38	3,922.45	468.36	278.93	189.44	2.472		
8,310.57	7,028.83	11,969.52	7,262.59	89.73	128.05	-124.03	1,057.25	3,928.14	466.05	274.75	191.30	2.436		
8,350.00	7,060.23	11,991.86	7,262.69	90.25	128.64	-120.38	1,056.76	3,950.47	459.04	261.20	197.84	2.320		
8,400.00	7,097.77	12,023.46	7,262.86	90.98	129.48	-115.77	1,056.06	3,982.06	453.68	248.62	205.05	2.212		
8,450.00	7,132.48	12,058.37	7,263.04	91.79	130.40	-111.19	1,055.30	4,016.95	451.76	240.75	211.01	2.141		
8,457.55	7,137.46	12,063.90	7,263.07	91.92	130.55	-110.51	1,055.18	4,022.49	451.73	239.92	211.80	2.133		
8,500.00	7,164.10	12,096.25	7,263.24	92.67	131.40	-106.71	1,054.46	4,054.83	452.62	236.84	215.78	2.098		
8,550.00	7,192.40	12,136.84	7,263.45	93.63	132.48	-102.44	1,053.57	4,095.40	455.53	235.97	219.56	2.075 ES, SF		
8,600.00	7,217.15	12,150.00	7,263.52	94.64	132.83	-100.25	1,053.28	4,108.57	460.73	241.64	219.09	2.103		
8,650.00	7,238.16	12,150.00	7,263.52	95.70	132.83	-98.63	1,053.28	4,108.57	470.62	255.75	214.87	2.190		
8,700.00	7,255.29	12,150.00	7,263.52	96.80	132.83	-96.67	1,053.28	4,108.57	485.03	276.38	208.65	2.325		
8,750.00	7,268.39	12,150.00	7,263.52	97.92	132.83	-94.37	1,053.28	4,108.57	503.47	302.48	200.98	2.505		
8,800.00	7,277.37	12,150.00	7,263.52	99.06	132.83	-91.76	1,053.28	4,108.57	525.37	332.95	192.41	2.730		
8,850.00	7,282.15	12,150.00	7,263.52	100.20	132.83	-88.87	1,053.28	4,108.57	550.17	366.74	183.43	2.999		
8,881.61	7,283.00	12,150.00	7,263.52	100.91	132.83	-86.92	1,053.28	4,108.57	567.09	389.37	177.72	3.191		
8,900.00	7,283.00	12,150.00	7,263.52	101.33	132.83	-86.92	1,053.28	4,108.57	577.39	402.97	174.42	3.310		
9,000.00	7,283.00	12,150.00	7,263.52	103.59	132.83	-86.92	1,053.28	4,108.57	639.77	482.42	157.35	4.066		
9,100.00	7,283.00	12,150.00	7,263.52	105.87	132.83	-86.92	1,053.28	4,108.57	710.80	568.39	142.41	4.991		
9,200.00	7,283.00	12,150.00	7,263.52	108.18	132.83	-86.92	1,053.28	4,108.57	788.14	658.24	129.90	6.067		
9,300.00	7,283.00	12,150.00	7,263.52	110.50	132.83	-86.92	1,053.28	4,108.57	870.11	750.47	119.64	7.273		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 125-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,400.00	7,283.00	12,150.00	7,263.52	112.84	132.83	86.92	1,053.28	4,108.57	955.52	844.22	111.30	8.585		
9,500.00	7,283.00	12,150.00	7,263.52	115.19	132.83	86.92	1,053.28	4,108.57	1,043.53	938.99	104.54	9.982		
9,600.00	7,283.00	12,150.00	7,263.52	117.56	132.83	86.92	1,053.28	4,108.57	1,133.52	1,034.48	99.05	11.444		
9,700.00	7,283.00	12,150.00	7,263.52	119.95	132.83	86.92	1,053.28	4,108.57	1,225.07	1,130.50	94.57	12.954		
9,800.00	7,283.00	12,150.00	7,263.52	122.34	132.83	86.92	1,053.28	4,108.57	1,317.85	1,226.95	90.90	14.498		
9,900.00	7,283.00	12,150.00	7,263.52	124.76	132.83	86.92	1,053.28	4,108.57	1,411.61	1,323.74	87.87	16.064		
10,000.00	7,283.00	12,150.00	7,263.52	127.18	132.83	86.92	1,053.28	4,108.57	1,506.18	1,420.81	85.37	17.643		
10,100.00	7,283.00	12,150.00	7,263.52	129.61	132.83	86.92	1,053.28	4,108.57	1,601.41	1,518.12	83.28	19.228		
10,200.00	7,283.00	12,150.00	7,263.52	132.06	132.83	86.92	1,053.28	4,108.57	1,697.19	1,615.65	81.54	20.814		
10,300.00	7,283.00	12,150.00	7,263.52	134.52	132.83	86.92	1,053.28	4,108.57	1,793.42	1,713.35	80.07	22.397		
10,400.00	7,283.00	12,150.00	7,263.52	136.98	132.83	86.92	1,053.28	4,108.57	1,890.05	1,811.22	78.84	23.974		
10,500.00	7,283.00	12,150.00	7,263.52	139.46	132.83	86.92	1,053.28	4,108.57	1,987.01	1,909.22	77.79	25.544		
10,600.00	7,283.00	12,150.00	7,263.52	141.94	132.83	86.92	1,053.28	4,108.57	2,084.26	2,007.36	76.90	27.104		
10,700.00	7,283.00	12,150.00	7,263.52	144.44	132.83	86.92	1,053.28	4,108.57	2,181.76	2,105.62	76.14	28.654		
10,800.00	7,283.00	12,150.00	7,263.52	146.94	132.83	86.92	1,053.28	4,108.57	2,279.47	2,203.98	75.50	30.194		
10,900.00	7,283.00	12,150.00	7,263.52	149.45	132.83	86.92	1,053.28	4,108.57	2,377.38	2,302.44	74.94	31.722		
11,000.00	7,283.00	12,150.00	7,263.52	151.96	132.83	86.92	1,053.28	4,108.57	2,475.45	2,400.98	74.47	33.240		
11,100.00	7,283.00	12,150.00	7,263.52	154.49	132.83	86.92	1,053.28	4,108.57	2,573.67	2,499.60	74.07	34.748		
11,200.00	7,283.00	12,150.00	7,263.52	157.01	132.83	86.92	1,053.28	4,108.57	2,672.02	2,598.30	73.72	36.244		
11,300.00	7,283.00	12,150.00	7,263.52	159.55	132.83	86.92	1,053.28	4,108.57	2,770.50	2,697.07	73.43	37.731		
11,400.00	7,283.00	12,150.00	7,263.52	162.09	132.83	86.92	1,053.28	4,108.57	2,869.07	2,795.90	73.18	39.208		
11,500.00	7,283.00	12,150.00	7,263.52	164.64	132.83	86.92	1,053.28	4,108.57	2,967.74	2,894.78	72.96	40.675		
11,600.00	7,283.00	12,150.00	7,263.52	167.19	132.83	86.92	1,053.28	4,108.57	3,066.50	2,993.72	72.78	42.134		
11,700.00	7,283.00	12,150.00	7,263.52	169.75	132.83	86.92	1,053.28	4,108.57	3,165.34	3,092.71	72.63	43.583		
11,800.00	7,283.00	12,150.00	7,263.52	172.31	132.83	86.92	1,053.28	4,108.57	3,264.24	3,191.74	72.50	45.024		
11,900.00	7,283.00	12,150.00	7,263.52	174.88	132.83	86.92	1,053.28	4,108.57	3,363.21	3,290.82	72.39	46.457		
12,000.00	7,283.00	12,150.00	7,263.52	177.45	132.83	86.92	1,053.28	4,108.57	3,462.24	3,389.94	72.31	47.882		
12,100.00	7,283.00	12,150.00	7,263.52	180.03	132.83	86.92	1,053.28	4,108.57	3,561.33	3,489.09	72.24	49.300		
12,200.00	7,283.00	12,150.00	7,263.52	182.61	132.83	86.92	1,053.28	4,108.57	3,660.46	3,588.28	72.18	50.710		
12,300.00	7,283.00	12,150.00	7,263.52	185.19	132.83	86.92	1,053.28	4,108.57	3,759.64	3,687.50	72.14	52.114		
12,400.00	7,283.00	12,150.00	7,263.52	187.78	132.83	86.92	1,053.28	4,108.57	3,858.87	3,786.75	72.11	53.511		
12,500.00	7,283.00	12,150.00	7,263.52	190.37	132.83	86.92	1,053.28	4,108.57	3,958.13	3,886.03	72.09	54.902		
12,600.00	7,283.00	12,150.00	7,263.52	192.97	132.83	86.92	1,053.28	4,108.57	4,057.43	3,985.34	72.09	56.287		
12,700.00	7,283.00	12,150.00	7,263.52	195.57	132.83	86.92	1,053.28	4,108.57	4,156.76	4,084.67	72.08	57.665		
12,800.00	7,283.00	12,150.00	7,263.52	198.17	132.83	86.92	1,053.28	4,108.57	4,256.12	4,184.03	72.09	59.038		
12,900.00	7,283.00	12,150.00	7,263.52	200.77	132.83	86.92	1,053.28	4,108.57	4,355.51	4,283.41	72.10	60.406		
13,000.00	7,283.00	12,150.00	7,263.52	203.38	132.83	86.92	1,053.28	4,108.57	4,454.93	4,382.81	72.12	61.768		
13,100.00	7,283.00	12,150.00	7,263.52	205.99	132.83	86.92	1,053.28	4,108.57	4,554.38	4,482.23	72.15	63.125		
13,200.00	7,283.00	12,150.00	7,263.52	208.61	132.83	86.92	1,053.28	4,108.57	4,653.84	4,581.67	72.18	64.476		
13,300.00	7,283.00	12,150.00	7,263.52	211.22	132.83	86.92	1,053.28	4,108.57	4,753.34	4,681.12	72.21	65.823		
13,400.00	7,283.00	12,150.00	7,263.52	213.84	132.83	86.92	1,053.28	4,108.57	4,852.85	4,780.59	72.25	67.165		
13,500.00	7,283.00	12,150.00	7,263.52	216.47	132.83	86.92	1,053.28	4,108.57	4,952.38	4,880.08	72.29	68.503		
13,600.00	7,283.00	12,150.00	7,263.52	219.09	132.83	86.92	1,053.28	4,108.57	5,051.93	4,979.59	72.34	69.836		
13,700.00	7,283.00	12,150.00	7,263.52	221.72	132.83	86.92	1,053.28	4,108.57	5,151.50	5,079.11	72.39	71.164		
13,800.00	7,283.00	12,150.00	7,263.52	224.34	132.83	86.92	1,053.28	4,108.57	5,251.08	5,178.64	72.44	72.488		
13,900.00	7,283.00	12,150.00	7,263.52	226.97	132.83	86.92	1,053.28	4,108.57	5,350.68	5,278.18	72.49	73.808		
14,000.00	7,283.00	12,150.00	7,263.52	229.61	132.83	86.92	1,053.28	4,108.57	5,450.29	5,377.74	72.55	75.123		
14,100.00	7,283.00	12,150.00	7,263.52	232.24	132.83	86.92	1,053.28	4,108.57	5,549.92	5,477.31	72.61	76.435		
14,200.00	7,283.00	12,150.00	7,263.52	234.88	132.83	86.92	1,053.28	4,108.57	5,649.56	5,576.89	72.67	77.742		
14,300.00	7,283.00	12,150.00	7,263.52	237.52	132.83	86.92	1,053.28	4,108.57	5,749.22	5,676.48	72.73	79.045		
14,400.00	7,283.00	12,150.00	7,263.52	240.16	132.83	86.92	1,053.28	4,108.57	5,848.88	5,776.08	72.80	80.345		
14,500.00	7,283.00	12,150.00	7,263.52	242.80	132.83	86.92	1,053.28	4,108.57	5,948.56	5,875.69	72.86	81.640		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 125-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,600.00	7,283.00	12,150.00	7,263.52	245.44	132.83	86.92	1,053.28	4,108.57	6,048.24	5,975.31	72.93	82.932	
14,700.00	7,283.00	12,150.00	7,263.52	248.09	132.83	86.92	1,053.28	4,108.57	6,147.94	6,074.94	73.00	84.219	
14,800.00	7,283.00	12,150.00	7,263.52	250.74	132.83	86.92	1,053.28	4,108.57	6,247.65	6,174.58	73.07	85.504	
14,900.00	7,283.00	12,150.00	7,263.52	253.38	132.83	86.92	1,053.28	4,108.57	6,347.36	6,274.23	73.14	86.784	
15,000.00	7,283.00	12,150.00	7,263.52	256.03	132.83	86.92	1,053.28	4,108.57	6,447.09	6,373.88	73.21	88.061	
15,100.00	7,283.00	12,150.00	7,263.52	258.69	132.83	86.92	1,053.28	4,108.57	6,546.82	6,473.54	73.28	89.334	
15,200.00	7,283.00	12,150.00	7,263.52	261.34	132.83	86.92	1,053.28	4,108.57	6,646.56	6,573.21	73.36	90.603	
15,300.00	7,283.00	12,150.00	7,263.52	263.99	132.83	86.92	1,053.28	4,108.57	6,746.31	6,672.88	73.43	91.869	
15,400.00	7,283.00	12,150.00	7,263.52	266.65	132.83	86.92	1,053.28	4,108.57	6,846.07	6,772.56	73.51	93.132	
15,500.00	7,283.00	12,150.00	7,263.52	269.31	132.83	86.92	1,053.28	4,108.57	6,945.83	6,872.25	73.59	94.390	
15,600.00	7,283.00	12,150.00	7,263.52	271.96	132.83	86.92	1,053.28	4,108.57	7,045.60	6,971.94	73.66	95.646	
15,700.00	7,283.00	12,150.00	7,263.52	274.62	132.83	86.92	1,053.28	4,108.57	7,145.38	7,071.64	73.74	96.898	
15,800.00	7,283.00	12,150.00	7,263.52	277.28	132.83	86.92	1,053.28	4,108.57	7,245.16	7,171.34	73.82	98.146	
15,900.00	7,283.00	12,150.00	7,263.52	279.94	132.83	86.92	1,053.28	4,108.57	7,344.95	7,271.05	73.90	99.391	
16,000.00	7,283.00	12,150.00	7,263.52	282.61	132.83	86.92	1,053.28	4,108.57	7,444.75	7,370.77	73.98	100.632	
16,100.00	7,283.00	12,150.00	7,263.52	285.27	132.83	86.92	1,053.28	4,108.57	7,544.55	7,470.49	74.06	101.870	
16,200.00	7,283.00	12,150.00	7,263.52	287.94	132.83	86.92	1,053.28	4,108.57	7,644.35	7,570.21	74.14	103.105	
16,300.00	7,283.00	12,150.00	7,263.52	290.60	132.83	86.92	1,053.28	4,108.57	7,744.16	7,669.94	74.22	104.337	
16,400.00	7,283.00	12,150.00	7,263.52	293.27	132.83	86.92	1,053.28	4,108.57	7,843.98	7,769.67	74.30	105.565	
16,500.00	7,283.00	12,150.00	7,263.52	295.94	132.83	86.92	1,053.28	4,108.57	7,943.80	7,869.41	74.39	106.789	
16,600.00	7,283.00	12,150.00	7,263.52	298.60	132.83	86.92	1,053.28	4,108.57	8,043.62	7,969.15	74.47	108.011	
16,700.00	7,283.00	12,150.00	7,263.52	301.27	132.83	86.92	1,053.28	4,108.57	8,143.45	8,068.89	74.55	109.228	
16,800.00	7,283.00	12,150.00	7,263.52	303.94	132.83	86.92	1,053.28	4,108.57	8,243.28	8,168.64	74.64	110.443	
16,900.00	7,283.00	12,150.00	7,263.52	306.62	132.83	86.92	1,053.28	4,108.57	8,343.12	8,268.39	74.72	111.654	
17,000.00	7,283.00	12,150.00	7,263.52	309.29	132.83	86.92	1,053.28	4,108.57	8,442.96	8,368.15	74.81	112.862	
17,100.00	7,283.00	12,150.00	7,263.52	311.96	132.83	86.92	1,053.28	4,108.57	8,542.80	8,467.91	74.89	114.067	
17,200.00	7,283.00	12,150.00	7,263.52	314.63	132.83	86.92	1,053.28	4,108.57	8,642.65	8,567.67	74.98	115.269	
17,300.00	7,283.00	12,150.00	7,263.52	317.31	132.83	86.92	1,053.28	4,108.57	8,742.50	8,667.44	75.06	116.467	
17,400.00	7,283.00	12,150.00	7,263.52	319.98	132.83	86.92	1,053.28	4,108.57	8,842.35	8,767.20	75.15	117.662	
17,500.00	7,283.00	12,150.00	7,263.52	322.66	132.83	86.92	1,053.28	4,108.57	8,942.21	8,866.97	75.24	118.853	
17,600.00	7,283.00	12,150.00	7,263.52	325.34	132.83	86.92	1,053.28	4,108.57	9,042.07	8,966.75	75.32	120.042	
17,700.00	7,283.00	12,150.00	7,263.52	328.01	132.83	86.92	1,053.28	4,108.57	9,141.94	9,066.53	75.41	121.227	
17,800.00	7,283.00	12,150.00	7,263.52	330.69	132.83	86.92	1,053.28	4,108.57	9,241.80	9,166.30	75.50	122.409	
17,900.00	7,283.00	12,150.00	7,263.52	333.37	132.83	86.92	1,053.28	4,108.57	9,341.67	9,266.09	75.59	123.587	
18,000.00	7,283.00	12,150.00	7,263.52	336.05	132.83	86.92	1,053.28	4,108.57	9,441.55	9,365.87	75.68	124.762	
18,100.00	7,283.00	12,150.00	7,263.52	338.73	132.83	86.92	1,053.28	4,108.57	9,541.42	9,465.66	75.76	125.935	
18,200.00	7,283.00	12,150.00	7,263.52	341.41	132.83	86.92	1,053.28	4,108.57	9,641.30	9,565.45	75.85	127.103	
18,300.00	7,283.00	12,150.00	7,263.52	344.09	132.83	86.92	1,053.28	4,108.57	9,741.18	9,665.24	75.94	128.269	
18,400.00	7,283.00	12,150.00	7,263.52	346.77	132.83	86.92	1,053.28	4,108.57	9,841.06	9,765.03	76.03	129.431	
18,500.00	7,283.00	12,150.00	7,263.52	349.46	132.83	86.92	1,053.28	4,108.57	9,940.95	9,864.82	76.12	130.591	
18,600.00	7,283.00	12,150.00	7,263.52	352.14	132.83	86.92	1,053.28	4,108.57	10,040.84	9,964.62	76.21	131.746	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 125-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	4.83	4.83	0.00	0.01	-90.96	-4.01	-239.73	239.76					
100.00	100.00	101.36	101.35	0.27	0.14	-91.00	-4.20	-240.49	240.55	240.14	0.41	585.360		
200.00	200.00	201.30	201.28	0.63	0.45	-91.10	-4.66	-242.18	242.25	241.18	1.07	225.384		
300.00	299.98	300.41	300.37	0.98	0.80	-160.96	-5.29	-243.80	245.55	243.76	1.79	137.453		
400.00	399.84	404.67	404.62	1.34	1.17	-161.66	-6.74	-244.83	251.53	249.02	2.51	100.126		
500.00	499.45	506.52	506.45	1.71	1.53	-162.66	-8.66	-244.32	259.42	256.19	3.23	80.325		
600.00	598.70	604.69	604.59	2.10	1.88	-163.79	-10.67	-243.69	270.59	266.65	3.94	68.621		
700.00	697.47	704.31	704.21	2.51	2.23	-164.84	-11.84	-243.15	285.24	280.57	4.66	61.158		
800.00	795.62	803.40	803.29	2.95	2.57	-165.82	-12.38	-242.21	302.84	297.46	5.38	56.245		
900.00	893.06	898.57	898.45	3.43	2.91	-166.89	-13.53	-241.65	324.30	318.20	6.10	53.157		
1,000.00	989.64	994.55	994.41	3.95	3.25	-168.03	-15.28	-241.40	349.61	342.79	6.82	51.236		
1,100.00	1,085.27	1,090.18	1,090.04	4.52	3.58	-168.90	-15.68	-241.35	378.32	370.79	7.54	50.194		
1,200.00	1,179.82	1,182.82	1,182.68	5.14	3.89	-169.53	-15.06	-241.70	410.60	402.36	8.24	49.842		
1,300.00	1,273.17	1,272.06	1,271.86	5.81	4.19	-169.79	-12.29	-243.05	446.78	437.85	8.93	50.017		
1,400.00	1,365.21	1,356.70	1,356.27	6.54	4.48	-169.63	-6.85	-245.93	487.28	477.66	9.61	50.687		
1,500.00	1,455.84	1,437.58	1,436.65	7.33	4.76	-169.17	0.92	-250.46	532.29	522.00	10.28	51.759		
1,600.00	1,544.94	1,511.99	1,510.24	8.19	5.03	-168.52	10.10	-256.44	582.01	571.08	10.93	53.256		
1,700.00	1,632.39	1,589.58	1,586.63	9.12	5.32	-167.75	21.11	-264.40	636.27	624.66	11.61	54.816		
1,800.00	1,718.11	1,668.72	1,664.52	10.11	5.62	-167.06	32.27	-272.91	693.81	681.50	12.31	56.370		
1,900.00	1,801.97	1,747.04	1,741.67	11.18	5.92	-166.52	42.68	-281.44	754.33	741.31	13.02	57.942		
1,969.27	1,858.92	1,796.55	1,790.45	11.96	6.12	-166.19	49.15	-286.96	797.98	784.50	13.49	59.165		
2,000.00	1,883.98	1,817.56	1,811.08	12.31	6.21	-166.14	52.22	-289.46	817.75	804.06	13.69	59.732		
2,100.00	1,965.50	1,887.32	1,879.30	13.48	6.50	-165.87	63.73	-298.40	882.52	868.17	14.36	61.466		
2,200.00	2,047.03	1,959.72	1,950.06	14.65	6.80	-165.62	75.63	-308.02	947.69	932.63	15.06	62.930		
2,300.00	2,128.56	2,033.34	2,022.13	15.84	7.12	-165.46	86.95	-317.90	1,013.07	997.30	15.78	64.212		
2,400.00	2,210.09	2,111.25	2,098.56	17.03	7.46	-165.38	97.96	-328.24	1,078.49	1,061.96	16.53	65.233		
2,500.00	2,291.61	2,189.58	2,175.58	18.23	7.79	-165.37	108.10	-338.27	1,143.69	1,126.40	17.29	66.137		
2,600.00	2,373.14	2,266.22	2,251.03	19.44	8.13	-165.40	117.47	-347.89	1,208.77	1,190.73	18.04	66.998		
2,700.00	2,454.67	2,340.53	2,323.94	20.64	8.45	-165.33	128.18	-357.50	1,273.90	1,255.11	18.78	67.815		
2,800.00	2,536.20	2,412.11	2,393.98	21.86	8.78	-165.21	139.42	-367.05	1,339.20	1,319.68	19.52	68.610		
2,900.00	2,617.72	2,485.40	2,465.67	23.07	9.11	-165.10	150.97	-377.02	1,404.70	1,384.43	20.27	69.287		
3,000.00	2,699.25	2,560.92	2,539.55	24.29	9.46	-165.00	162.70	-387.35	1,470.27	1,449.22	21.05	69.844		
3,100.00	2,780.78	2,638.98	2,616.08	25.50	9.82	-164.95	173.97	-397.82	1,535.77	1,513.92	21.85	70.292		
3,200.00	2,862.31	2,718.49	2,694.20	26.73	10.18	-164.95	184.48	-408.18	1,601.10	1,578.45	22.65	70.679		
3,300.00	2,943.83	2,793.20	2,767.73	27.95	10.51	-164.98	193.66	-417.75	1,666.37	1,642.97	23.41	71.186		
3,400.00	3,025.36	2,867.35	2,840.79	29.17	10.84	-165.04	202.10	-427.20	1,731.70	1,707.54	24.15	71.694		
3,500.00	3,106.89	2,968.13	2,940.23	30.40	11.28	-165.15	212.77	-439.60	1,796.84	1,771.71	25.13	71.495		
3,600.00	3,188.42	3,069.62	3,040.40	31.62	11.72	-165.21	224.98	-450.37	1,860.43	1,834.31	26.12	71.218		
3,700.00	3,269.94	3,144.41	3,114.30	32.85	12.05	-165.26	233.78	-457.89	1,923.66	1,896.77	26.88	71.561		
3,800.00	3,351.47	3,194.99	3,164.19	34.07	12.27	-165.27	240.14	-463.23	1,987.31	1,959.88	27.43	72.457		
3,900.00	3,433.00	3,260.70	3,228.80	35.30	12.57	-165.25	249.28	-470.91	2,051.61	2,023.49	28.12	72.952		
4,000.00	3,514.53	3,321.11	3,287.97	36.53	12.85	-165.20	258.52	-478.86	2,116.80	2,088.02	28.77	73.566		
4,100.00	3,596.05	3,396.16	3,361.59	37.76	13.20	-165.17	269.11	-488.85	2,182.24	2,152.68	29.56	73.819		
4,200.00	3,677.58	3,499.08	3,462.96	38.99	13.67	-165.20	281.68	-501.49	2,247.11	2,216.52	30.59	73.453		
4,300.00	3,759.11	3,576.99	3,539.67	40.22	14.02	-165.21	291.78	-510.62	2,311.47	2,280.08	31.40	73.625		
4,400.00	3,840.64	3,644.94	3,606.43	41.45	14.34	-165.18	301.42	-518.80	2,375.96	2,343.84	32.12	73.975		
4,500.00	3,922.16	3,710.32	3,670.59	42.68	14.64	-165.15	310.89	-527.05	2,440.85	2,408.03	32.82	74.371		
4,600.00	4,003.69	3,778.07	3,737.03	43.91	14.96	-165.12	320.74	-535.87	2,506.03	2,472.48	33.55	74.705		
4,700.00	4,085.22	3,851.21	3,808.78	45.15	15.30	-165.10	331.18	-545.50	2,571.36	2,537.04	34.32	74.917		
4,800.00	4,166.75	3,949.27	3,905.17	46.38	15.76	-165.09	344.20	-557.98	2,636.47	2,601.14	35.33	74.628		
4,900.00	4,248.27	4,038.33	3,992.93	47.61	16.16	-165.12	355.07	-568.50	2,700.99	2,664.76	36.24	74.539		
5,000.00	4,329.80	4,119.93	4,074.77	48.84	16.53	-165.12	366.00	-579.00	2,766.00	2,729.00	37.15	74.450		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 125-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,411.33	9,964.27	6,974.19	50.08	82.66	175.99	716.62	2,226.91	2,559.98	2,518.26	41.72	61.354		
5,200.00	4,492.86	9,995.98	6,973.85	51.31	83.47	175.44	715.19	2,258.59	2,478.97	2,436.29	42.68	58.086		
5,300.00	4,574.38	10,047.61	6,973.54	52.54	84.80	174.51	712.92	2,310.17	2,398.45	2,354.66	43.80	54.762		
5,400.00	4,655.91	10,097.59	6,973.33	53.78	86.09	173.58	710.99	2,360.11	2,318.34	2,273.35	44.99	51.529		
5,500.00	4,737.44	10,153.27	6,973.12	55.01	87.52	172.49	709.03	2,415.75	2,238.56	2,192.25	46.31	48.337		
5,600.00	4,818.97	10,208.45	6,972.86	56.24	88.95	171.35	707.22	2,470.91	2,159.10	2,111.35	47.75	45.220		
5,700.00	4,900.49	10,263.13	6,972.59	57.48	90.37	170.16	705.73	2,525.57	2,080.00	2,030.70	49.31	42.184		
5,800.00	4,982.02	10,315.74	6,972.35	58.71	91.73	168.96	704.61	2,578.16	2,001.34	1,950.33	51.01	39.238		
5,900.00	5,063.55	10,367.57	6,972.20	59.95	93.07	167.73	703.79	2,629.99	1,923.21	1,870.34	52.87	36.377		
6,000.00	5,145.08	10,432.69	6,971.89	61.18	94.77	166.08	702.87	2,695.10	1,845.53	1,790.49	55.04	33.531		
6,100.00	5,226.60	10,488.96	6,971.23	62.42	96.23	164.54	701.84	2,751.35	1,768.13	1,710.72	57.41	30.797		
6,200.00	5,308.13	10,530.39	6,971.02	63.65	97.31	163.36	701.54	2,792.78	1,691.67	1,631.76	59.90	28.240		
6,300.00	5,389.66	10,586.61	6,971.27	64.89	98.78	161.71	702.02	2,849.00	1,616.32	1,553.53	62.80	25.740		
6,400.00	5,471.19	10,694.31	6,968.68	66.12	101.59	158.12	700.91	2,956.65	1,540.46	1,473.69	66.78	23.069		
6,500.00	5,552.72	10,764.04	6,965.28	67.36	103.41	155.49	699.64	3,026.28	1,464.70	1,393.79	70.91	20.656		
6,600.00	5,634.24	10,802.18	6,963.46	68.59	104.41	153.97	699.23	3,064.37	1,390.12	1,315.02	75.10	18.510		
6,700.00	5,715.77	10,844.28	6,961.87	69.83	105.51	152.24	699.24	3,106.45	1,317.33	1,237.47	79.86	16.495		
6,800.00	5,797.30	10,882.85	6,960.92	71.06	106.52	150.61	699.73	3,145.00	1,246.61	1,161.48	85.13	14.644		
6,900.00	5,878.83	10,922.34	6,960.75	72.30	107.55	148.91	700.92	3,184.47	1,178.40	1,087.41	90.99	12.951		
7,000.00	5,960.35	10,980.58	6,961.63	73.53	109.08	146.33	703.83	3,242.63	1,112.81	1,015.02	97.79	11.379		
7,100.00	6,041.88	11,064.49	6,961.88	74.77	111.26	142.35	709.56	3,326.34	1,048.48	942.66	105.83	9.908		
7,200.00	6,123.41	11,139.38	6,961.39	76.01	113.21	138.54	716.75	3,400.88	985.71	871.18	114.53	8.606		
7,300.00	6,204.94	11,177.05	6,961.02	77.24	114.19	136.50	720.30	3,438.38	926.09	802.41	123.68	7.488		
7,400.00	6,286.46	11,212.91	6,960.60	78.48	115.13	134.42	722.35	3,474.18	871.60	737.79	133.80	6.514		
7,500.00	6,367.99	11,254.47	6,960.07	79.71	116.22	131.88	723.31	3,515.72	823.27	678.30	144.97	5.679		
7,600.00	6,449.52	11,310.63	6,959.91	80.95	117.70	128.34	724.91	3,571.85	781.27	624.11	157.16	4.971		
7,700.00	6,531.05	11,375.39	6,960.30	82.19	119.40	124.16	727.75	3,636.55	745.94	576.17	169.77	4.394		
7,800.00	6,612.57	11,440.55	6,960.18	83.42	121.11	119.81	731.46	3,701.60	717.64	535.60	182.05	3.942		
7,900.00	6,694.10	11,498.10	6,959.98	84.66	122.62	115.87	735.17	3,759.04	697.82	504.87	192.95	3.617		
8,000.00	6,775.63	11,558.42	6,959.76	85.89	124.21	111.70	739.37	3,819.21	687.34	485.17	202.17	3.400		
8,059.50	6,824.14	11,594.85	6,959.38	86.63	125.16	109.15	742.10	3,855.54	685.62	479.04	206.58	3.319		
8,100.00	6,857.16	11,619.34	6,959.01	87.13	125.80	107.43	744.03	3,879.95	686.42	477.38	209.04	3.284		
8,200.00	6,938.68	11,673.78	6,957.74	88.37	127.23	103.61	748.40	3,934.19	695.45	482.56	212.89	3.267 SF		
8,300.00	7,020.21	11,727.48	6,955.89	89.60	128.64	99.86	752.71	3,987.69	714.43	500.48	213.95	3.339		
8,310.57	7,028.83	11,733.52	6,955.69	89.73	128.80	99.45	753.20	3,993.71	716.99	503.05	213.94	3.351		
8,350.00	7,060.23	11,757.57	6,954.96	90.25	129.43	94.78	755.19	4,017.67	727.01	513.26	213.75	3.401		
8,400.00	7,097.77	11,792.12	6,954.16	90.98	130.33	89.31	758.12	4,052.08	740.23	526.84	213.40	3.469		
8,450.00	7,132.48	11,828.01	6,953.56	91.79	131.28	84.46	761.25	4,087.83	753.49	540.57	212.92	3.539		
8,500.00	7,164.10	11,865.93	6,952.94	92.67	132.27	80.17	764.55	4,125.60	766.34	553.89	212.45	3.607		
8,550.00	7,192.40	11,869.98	6,952.87	93.63	132.38	77.82	764.90	4,129.63	779.16	568.87	210.30	3.705		
8,600.00	7,217.15	11,869.98	6,952.87	94.64	132.38	75.78	764.90	4,129.63	792.94	585.38	207.56	3.820		
8,650.00	7,238.16	11,869.98	6,952.87	95.70	132.38	73.85	764.90	4,129.63	807.54	603.06	204.49	3.949		
8,700.00	7,255.29	11,869.98	6,952.87	96.80	132.38	72.03	764.90	4,129.63	822.80	621.68	201.13	4.091		
8,750.00	7,268.39	11,869.98	6,952.87	97.92	132.38	70.30	764.90	4,129.63	838.58	641.04	197.54	4.245		
8,800.00	7,277.37	11,869.98	6,952.87	99.06	132.38	68.67	764.90	4,129.63	854.73	660.94	193.79	4.411		
8,850.00	7,282.15	11,869.98	6,952.87	100.20	132.38	67.15	764.90	4,129.63	871.11	681.20	189.91	4.587		
8,881.61	7,283.00	11,869.98	6,952.87	100.91	132.38	66.25	764.90	4,129.63	881.53	694.11	187.42	4.704		
8,900.00	7,283.00	11,869.98	6,952.87	101.33	132.38	66.25	764.90	4,129.63	887.76	701.82	185.94	4.774		
9,000.00	7,283.00	11,869.98	6,952.87	103.59	132.38	66.25	764.90	4,129.63	927.32	749.97	177.35	5.229		
9,100.00	7,283.00	11,869.98	6,952.87	105.87	132.38	66.25	764.90	4,129.63	975.57	807.30	168.27	5.798		
9,200.00	7,283.00	11,869.98	6,952.87	108.18	132.38	66.25	764.90	4,129.63	1,031.29	872.11	159.18	6.479		
9,300.00	7,283.00	11,869.98	6,952.87	110.50	132.38	66.25	764.90	4,129.63	1,093.33	942.90	150.42	7.268		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 125-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)						
9,400.00	7,283.00	11,869.98	6,952.87	112.84	132.38	66.25	764.90	4,129.63	1,160.68	1,018.46	142.22	8.161		
9,500.00	7,283.00	11,869.98	6,952.87	115.19	132.38	66.25	764.90	4,129.63	1,232.47	1,097.79	134.68	9.151		
9,600.00	7,283.00	11,869.98	6,952.87	117.56	132.38	66.25	764.90	4,129.63	1,307.97	1,180.14	127.84	10.232		
9,700.00	7,283.00	11,869.98	6,952.87	119.95	132.38	66.25	764.90	4,129.63	1,386.58	1,264.91	121.68	11.396		
9,800.00	7,283.00	11,869.98	6,952.87	122.34	132.38	66.25	764.90	4,129.63	1,467.79	1,351.63	116.16	12.636		
9,900.00	7,283.00	11,869.98	6,952.87	124.76	132.38	66.25	764.90	4,129.63	1,551.20	1,439.96	111.24	13.944		
10,000.00	7,283.00	11,869.98	6,952.87	127.18	132.38	66.25	764.90	4,129.63	1,636.47	1,529.60	106.87	15.313		
10,100.00	7,283.00	11,869.98	6,952.87	129.61	132.38	66.25	764.90	4,129.63	1,723.32	1,620.35	102.97	16.736		
10,200.00	7,283.00	11,869.98	6,952.87	132.06	132.38	66.25	764.90	4,129.63	1,811.53	1,712.03	99.50	18.206		
10,300.00	7,283.00	11,869.98	6,952.87	134.52	132.38	66.25	764.90	4,129.63	1,900.91	1,804.50	96.42	19.716		
10,400.00	7,283.00	11,869.98	6,952.87	136.98	132.38	66.25	764.90	4,129.63	1,991.30	1,897.64	93.66	21.260		
10,500.00	7,283.00	11,869.98	6,952.87	139.46	132.38	66.25	764.90	4,129.63	2,082.57	1,991.36	91.21	22.833		
10,600.00	7,283.00	11,869.98	6,952.87	141.94	132.38	66.25	764.90	4,129.63	2,174.60	2,085.59	89.01	24.431		
10,700.00	7,283.00	11,869.98	6,952.87	144.44	132.38	66.25	764.90	4,129.63	2,267.31	2,180.27	87.04	26.048		
10,800.00	7,283.00	11,869.98	6,952.87	146.94	132.38	66.25	764.90	4,129.63	2,360.62	2,275.34	85.28	27.681		
10,900.00	7,283.00	11,869.98	6,952.87	149.45	132.38	66.25	764.90	4,129.63	2,454.45	2,370.76	83.69	29.326		
11,000.00	7,283.00	11,869.98	6,952.87	151.96	132.38	66.25	764.90	4,129.63	2,548.75	2,466.49	82.27	30.981		
11,100.00	7,283.00	11,869.98	6,952.87	154.49	132.38	66.25	764.90	4,129.63	2,643.47	2,562.49	80.98	32.643		
11,200.00	7,283.00	11,869.98	6,952.87	157.01	132.38	66.25	764.90	4,129.63	2,738.57	2,658.75	79.82	34.310		
11,300.00	7,283.00	11,869.98	6,952.87	159.55	132.38	66.25	764.90	4,129.63	2,834.00	2,755.23	78.77	35.979		
11,400.00	7,283.00	11,869.98	6,952.87	162.09	132.38	66.25	764.90	4,129.63	2,929.74	2,851.92	77.82	37.649		
11,500.00	7,283.00	11,869.98	6,952.87	164.64	132.38	66.25	764.90	4,129.63	3,025.76	2,948.80	76.96	39.318		
11,600.00	7,283.00	11,869.98	6,952.87	167.19	132.38	66.25	764.90	4,129.63	3,122.02	3,045.85	76.17	40.986		
11,700.00	7,283.00	11,869.98	6,952.87	169.75	132.38	66.25	764.90	4,129.63	3,218.51	3,143.05	75.46	42.650		
11,800.00	7,283.00	11,869.98	6,952.87	172.31	132.38	66.25	764.90	4,129.63	3,315.21	3,240.40	74.82	44.312		
11,900.00	7,283.00	11,869.98	6,952.87	174.88	132.38	66.25	764.90	4,129.63	3,412.10	3,337.87	74.23	45.968		
12,000.00	7,283.00	11,869.98	6,952.87	177.45	132.38	66.25	764.90	4,129.63	3,509.17	3,435.48	73.69	47.620		
12,100.00	7,283.00	11,869.98	6,952.87	180.03	132.38	66.25	764.90	4,129.63	3,606.39	3,533.19	73.20	49.266		
12,200.00	7,283.00	11,869.98	6,952.87	182.61	132.38	66.25	764.90	4,129.63	3,703.76	3,631.01	72.76	50.906		
12,300.00	7,283.00	11,869.98	6,952.87	185.19	132.38	66.25	764.90	4,129.63	3,801.27	3,728.92	72.35	52.539		
12,400.00	7,283.00	11,869.98	6,952.87	187.78	132.38	66.25	764.90	4,129.63	3,898.91	3,826.93	71.98	54.167		
12,500.00	7,283.00	11,869.98	6,952.87	190.37	132.38	66.25	764.90	4,129.63	3,996.66	3,925.02	71.64	55.787		
12,600.00	7,283.00	11,869.98	6,952.87	192.97	132.38	66.25	764.90	4,129.63	4,094.52	4,023.19	71.33	57.400		
12,700.00	7,283.00	11,869.98	6,952.87	195.57	132.38	66.25	764.90	4,129.63	4,192.48	4,121.43	71.05	59.006		
12,800.00	7,283.00	11,869.98	6,952.87	198.17	132.38	66.25	764.90	4,129.63	4,290.54	4,219.75	70.80	60.605		
12,900.00	7,283.00	11,869.98	6,952.87	200.77	132.38	66.25	764.90	4,129.63	4,388.68	4,318.12	70.56	62.197		
13,000.00	7,283.00	11,869.98	6,952.87	203.38	132.38	66.25	764.90	4,129.63	4,486.91	4,416.56	70.35	63.781		
13,100.00	7,283.00	11,869.98	6,952.87	205.99	132.38	66.25	764.90	4,129.63	4,585.21	4,515.06	70.16	65.358		
13,200.00	7,283.00	11,869.98	6,952.87	208.61	132.38	66.25	764.90	4,129.63	4,683.59	4,613.61	69.98	66.928		
13,300.00	7,283.00	11,869.98	6,952.87	211.22	132.38	66.25	764.90	4,129.63	4,782.03	4,712.21	69.82	68.490		
13,400.00	7,283.00	11,869.98	6,952.87	213.84	132.38	66.25	764.90	4,129.63	4,880.53	4,810.86	69.68	70.046		
13,500.00	7,283.00	11,869.98	6,952.87	216.47	132.38	66.25	764.90	4,129.63	4,979.10	4,909.55	69.55	71.594		
13,600.00	7,283.00	11,869.98	6,952.87	219.09	132.38	66.25	764.90	4,129.63	5,077.72	5,008.29	69.43	73.135		
13,700.00	7,283.00	11,869.98	6,952.87	221.72	132.38	66.25	764.90	4,129.63	5,176.39	5,107.07	69.32	74.669		
13,800.00	7,283.00	11,869.98	6,952.87	224.34	132.38	66.25	764.90	4,129.63	5,275.12	5,205.88	69.23	76.196		
13,900.00	7,283.00	11,869.98	6,952.87	226.97	132.38	66.25	764.90	4,129.63	5,373.89	5,304.74	69.15	77.716		
14,000.00	7,283.00	11,869.98	6,952.87	229.61	132.38	66.25	764.90	4,129.63	5,472.70	5,403.63	69.07	79.229		
14,100.00	7,283.00	11,869.98	6,952.87	232.24	132.38	66.25	764.90	4,129.63	5,571.56	5,502.55	69.01	80.735		
14,200.00	7,283.00	11,869.98	6,952.87	234.88	132.38	66.25	764.90	4,129.63	5,670.46	5,601.50	68.95	82.235		
14,300.00	7,283.00	11,869.98	6,952.87	237.52	132.38	66.25	764.90	4,129.63	5,769.39	5,700.49	68.91	83.728		
14,400.00	7,283.00	11,869.98	6,952.87	240.16	132.38	66.25	764.90	4,129.63	5,868.37	5,799.50	68.87	85.214		
14,500.00	7,283.00	11,869.98	6,952.87	242.80	132.38	66.25	764.90	4,129.63	5,967.37	5,898.54	68.83	86.695		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 125-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,600.00	7,283.00	11,869.98	6,952.87	245.44	132.38	66.25	764.90	4,129.63	6,066.41	5,997.61	68.80	88.168		
14,700.00	7,283.00	11,869.98	6,952.87	248.09	132.38	66.25	764.90	4,129.63	6,165.48	6,096.70	68.78	89.636		
14,800.00	7,283.00	11,869.98	6,952.87	250.74	132.38	66.25	764.90	4,129.63	6,264.58	6,195.81	68.77	91.097		
14,900.00	7,283.00	11,869.98	6,952.87	253.38	132.38	66.25	764.90	4,129.63	6,363.71	6,294.95	68.76	92.552		
15,000.00	7,283.00	11,869.98	6,952.87	256.03	132.38	66.25	764.90	4,129.63	6,462.86	6,394.11	68.75	94.001		
15,100.00	7,283.00	11,869.98	6,952.87	258.69	132.38	66.25	764.90	4,129.63	6,562.04	6,493.29	68.75	95.444		
15,200.00	7,283.00	11,869.98	6,952.87	261.34	132.38	66.25	764.90	4,129.63	6,661.25	6,592.49	68.76	96.880		
15,300.00	7,283.00	11,869.98	6,952.87	263.99	132.38	66.25	764.90	4,129.63	6,760.47	6,691.71	68.77	98.311		
15,400.00	7,283.00	11,869.98	6,952.87	266.65	132.38	66.25	764.90	4,129.63	6,859.72	6,790.95	68.78	99.737		
15,500.00	7,283.00	11,869.98	6,952.87	269.31	132.38	66.25	764.90	4,129.63	6,959.00	6,890.20	68.79	101.156		
15,600.00	7,283.00	11,869.98	6,952.87	271.96	132.38	66.25	764.90	4,129.63	7,058.29	6,989.47	68.81	102.570		
15,700.00	7,283.00	11,869.98	6,952.87	274.62	132.38	66.25	764.90	4,129.63	7,157.60	7,088.76	68.84	103.978		
15,800.00	7,283.00	11,869.98	6,952.87	277.28	132.38	66.25	764.90	4,129.63	7,256.93	7,188.07	68.86	105.380		
15,900.00	7,283.00	11,869.98	6,952.87	279.94	132.38	66.25	764.90	4,129.63	7,356.28	7,287.39	68.89	106.777		
16,000.00	7,283.00	11,869.98	6,952.87	282.61	132.38	66.25	764.90	4,129.63	7,455.65	7,386.72	68.93	108.169		
16,100.00	7,283.00	11,869.98	6,952.87	285.27	132.38	66.25	764.90	4,129.63	7,555.03	7,486.07	68.96	109.555		
16,200.00	7,283.00	11,869.98	6,952.87	287.94	132.38	66.25	764.90	4,129.63	7,654.43	7,585.43	69.00	110.935		
16,300.00	7,283.00	11,869.98	6,952.87	290.60	132.38	66.25	764.90	4,129.63	7,753.84	7,684.81	69.04	112.310		
16,400.00	7,283.00	11,869.98	6,952.87	293.27	132.38	66.25	764.90	4,129.63	7,853.27	7,784.19	69.08	113.680		
16,500.00	7,283.00	11,869.98	6,952.87	295.94	132.38	66.25	764.90	4,129.63	7,952.72	7,883.59	69.13	115.045		
16,600.00	7,283.00	11,869.98	6,952.87	298.60	132.38	66.25	764.90	4,129.63	8,052.18	7,983.00	69.17	116.405		
16,700.00	7,283.00	11,869.98	6,952.87	301.27	132.38	66.25	764.90	4,129.63	8,151.65	8,082.42	69.22	117.759		
16,800.00	7,283.00	11,869.98	6,952.87	303.94	132.38	66.25	764.90	4,129.63	8,251.13	8,181.86	69.27	119.108		
16,900.00	7,283.00	11,869.98	6,952.87	306.62	132.38	66.25	764.90	4,129.63	8,350.63	8,281.30	69.33	120.452		
17,000.00	7,283.00	11,869.98	6,952.87	309.29	132.38	66.25	764.90	4,129.63	8,450.14	8,380.75	69.38	121.791		
17,100.00	7,283.00	11,869.98	6,952.87	311.96	132.38	66.25	764.90	4,129.63	8,549.65	8,480.22	69.44	123.125		
17,200.00	7,283.00	11,869.98	6,952.87	314.63	132.38	66.25	764.90	4,129.63	8,649.19	8,579.69	69.50	124.454		
17,300.00	7,283.00	11,869.98	6,952.87	317.31	132.38	66.25	764.90	4,129.63	8,748.73	8,679.17	69.56	125.778		
17,400.00	7,283.00	11,869.98	6,952.87	319.98	132.38	66.25	764.90	4,129.63	8,848.28	8,778.66	69.62	127.098		
17,500.00	7,283.00	11,869.98	6,952.87	322.66	132.38	66.25	764.90	4,129.63	8,947.84	8,878.16	69.68	128.412		
17,600.00	7,283.00	11,869.98	6,952.87	325.34	132.38	66.25	764.90	4,129.63	9,047.41	8,977.67	69.75	129.721		
17,700.00	7,283.00	11,869.98	6,952.87	328.01	132.38	66.25	764.90	4,129.63	9,146.99	9,077.18	69.81	131.026		
17,800.00	7,283.00	11,869.98	6,952.87	330.69	132.38	66.25	764.90	4,129.63	9,246.58	9,176.70	69.88	132.326		
17,900.00	7,283.00	11,869.98	6,952.87	333.37	132.38	66.25	764.90	4,129.63	9,346.18	9,276.23	69.95	133.621		
18,000.00	7,283.00	11,869.98	6,952.87	336.05	132.38	66.25	764.90	4,129.63	9,445.79	9,375.77	70.01	134.911		
18,100.00	7,283.00	11,869.98	6,952.87	338.73	132.38	66.25	764.90	4,129.63	9,545.40	9,475.32	70.09	136.197		
18,200.00	7,283.00	11,869.98	6,952.87	341.41	132.38	66.25	764.90	4,129.63	9,645.03	9,574.87	70.16	137.478		
18,300.00	7,283.00	11,869.98	6,952.87	344.09	132.38	66.25	764.90	4,129.63	9,744.66	9,674.43	70.23	138.754		
18,400.00	7,283.00	11,869.98	6,952.87	346.77	132.38	66.25	764.90	4,129.63	9,844.29	9,773.99	70.30	140.025		
18,500.00	7,283.00	11,869.98	6,952.87	349.46	132.38	66.25	764.90	4,129.63	9,943.94	9,873.56	70.38	141.292		
18,600.00	7,283.00	11,869.98	6,952.87	352.14	132.38	66.25	764.90	4,129.63	10,043.59	9,973.14	70.45	142.555		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 124-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	4.95	4.95	0.00	0.01	-91.05	-4.01	-219.66	219.69					
100.00	100.00	103.85	103.85	0.27	0.14	-91.11	-4.27	-219.92	219.97	219.55	0.41	534.012 ES		
200.00	200.00	202.90	202.90	0.63	0.45	-91.24	-4.79	-220.65	220.71	219.63	1.08	204.173		
300.00	299.98	302.58	302.57	0.98	0.81	-161.11	-5.30	-221.67	223.39	221.60	1.79	124.524		
400.00	399.84	401.91	401.89	1.34	1.17	-161.63	-5.91	-222.83	229.54	227.03	2.51	91.440		
500.00	499.45	501.76	501.74	1.71	1.53	-162.36	-6.46	-224.01	239.03	235.80	3.23	73.967		
600.00	598.70	601.12	601.08	2.10	1.88	-163.22	-6.93	-225.05	251.75	247.79	3.95	63.659		
700.00	697.47	699.21	699.17	2.51	2.24	-164.16	-7.32	-226.14	267.90	263.22	4.68	57.282		
800.00	795.62	798.18	798.13	2.95	2.59	-165.09	-7.36	-227.40	287.57	282.17	5.40	53.245		
900.00	893.06	901.42	901.36	3.43	2.94	-165.92	-6.25	-227.10	308.98	302.85	6.13	50.427		
1,000.00	989.64	997.62	997.55	3.95	3.26	-166.61	-4.67	-226.39	333.26	326.43	6.83	48.770		
1,100.00	1,085.27	1,093.31	1,093.21	4.52	3.58	-167.25	-2.73	-225.81	360.96	353.41	7.55	47.824		
1,200.00	1,179.82	1,187.16	1,187.05	5.14	3.91	-167.86	-0.76	-225.46	392.18	383.91	8.26	47.456		
1,300.00	1,273.17	1,278.58	1,278.43	5.81	4.23	-168.38	1.51	-225.44	426.95	417.97	8.98	47.551		
1,400.00	1,365.21	1,364.46	1,364.28	6.54	4.53	-168.79	3.90	-226.34	465.87	456.20	9.68	48.150		
1,500.00	1,455.84	1,442.00	1,441.74	7.33	4.80	-169.05	6.49	-228.49	509.47	499.13	10.33	49.304		
1,600.00	1,544.94	1,520.29	1,519.89	8.19	5.08	-169.23	9.27	-232.35	557.97	546.97	11.00	50.746		
1,700.00	1,632.39	1,602.29	1,601.67	9.12	5.38	-169.43	11.93	-237.75	610.85	599.17	11.68	52.286		
1,800.00	1,718.11	1,683.01	1,682.17	10.11	5.67	-169.64	14.27	-243.06	666.69	654.33	12.37	53.900		
1,900.00	1,801.97	1,752.91	1,751.73	11.18	5.93	-169.57	18.13	-248.79	726.22	713.23	12.99	55.892		
1,969.27	1,858.92	1,799.47	1,797.90	11.96	6.11	-169.38	21.93	-253.44	769.72	756.30	13.42	57.354		
2,000.00	1,883.98	1,819.70	1,817.93	12.31	6.18	-169.38	23.69	-255.63	789.47	775.87	13.61	58.018		
2,100.00	1,965.50	1,881.64	1,879.15	13.48	6.42	-169.33	29.43	-263.01	854.48	840.30	14.18	60.279		
2,200.00	2,047.03	1,937.48	1,934.19	14.65	6.64	-169.26	34.75	-270.83	921.00	906.30	14.70	62.665		
2,300.00	2,128.56	2,006.75	2,002.32	15.84	6.91	-169.18	41.18	-281.59	988.65	973.32	15.33	64.485		
2,400.00	2,210.09	2,083.20	2,077.63	17.03	7.22	-169.16	47.42	-293.20	1,056.22	1,040.20	16.03	65.894		
2,500.00	2,291.61	2,161.73	2,155.10	18.23	7.54	-169.20	53.15	-304.70	1,123.54	1,106.79	16.75	67.089		
2,600.00	2,373.14	2,242.11	2,234.50	19.44	7.87	-169.28	58.50	-315.97	1,190.49	1,173.01	17.48	68.097		
2,700.00	2,454.67	2,324.50	2,315.85	20.64	8.21	-169.29	64.98	-327.25	1,257.02	1,238.78	18.24	68.904		
2,800.00	2,536.20	2,398.72	2,389.02	21.86	8.52	-169.22	72.13	-337.43	1,323.29	1,304.35	18.95	69.846		
2,900.00	2,617.72	2,473.18	2,462.40	23.07	8.83	-169.16	79.45	-347.74	1,389.65	1,369.99	19.66	70.699		
3,000.00	2,699.25	2,549.63	2,537.76	24.29	9.15	-169.10	86.88	-358.28	1,455.96	1,435.58	20.39	71.421		
3,100.00	2,780.78	2,622.00	2,609.18	25.50	9.46	-169.08	93.31	-368.01	1,522.16	1,501.08	21.08	72.209		
3,200.00	2,862.31	2,691.78	2,678.04	26.73	9.76	-169.07	99.37	-377.53	1,588.54	1,566.78	21.75	73.023		
3,300.00	2,943.83	2,764.22	2,749.45	27.95	10.07	-169.04	105.86	-387.82	1,655.28	1,632.82	22.45	73.720		
3,400.00	3,025.36	2,837.54	2,821.79	29.17	10.38	-169.04	111.96	-398.08	1,721.96	1,698.80	23.16	74.343		
3,500.00	3,106.89	2,908.00	2,891.11	30.40	10.69	-168.98	119.10	-408.48	1,788.93	1,765.07	23.85	74.993		
3,600.00	3,188.42	2,994.80	2,976.45	31.62	11.07	-168.89	128.59	-421.22	1,855.75	1,831.05	24.70	75.126		
3,700.00	3,269.94	3,053.56	3,034.28	32.85	11.33	-168.85	134.62	-429.65	1,922.43	1,897.13	25.29	76.001		
3,800.00	3,351.47	3,111.44	3,091.17	34.07	11.59	-168.80	140.48	-438.55	1,989.85	1,963.97	25.88	76.890		
3,900.00	3,433.00	3,193.82	3,172.23	35.30	11.96	-168.78	148.08	-451.15	2,057.35	2,030.67	26.69	77.097		
4,000.00	3,514.53	3,283.03	3,260.26	36.53	12.35	-168.81	154.72	-463.97	2,124.43	2,096.89	27.54	77.141		
4,100.00	3,596.05	3,348.45	3,324.85	37.76	12.63	-168.84	159.47	-473.20	2,191.36	2,163.18	28.18	77.750		
4,200.00	3,677.58	3,421.04	3,396.27	38.99	12.96	-168.81	166.50	-484.11	2,258.60	2,229.70	28.90	78.141		
4,300.00	3,759.11	3,519.06	3,492.84	40.22	13.39	-168.79	175.57	-498.26	2,325.50	2,295.64	29.86	77.883		
4,400.00	3,840.64	3,605.37	3,577.66	41.45	13.78	-168.69	186.12	-510.19	2,391.45	2,360.73	30.72	77.841		
4,500.00	3,922.16	3,658.79	3,630.04	42.68	14.03	-168.61	193.17	-517.94	2,457.83	2,426.54	31.29	78.552		
4,600.00	4,003.69	3,725.49	3,695.37	43.91	14.34	-168.52	202.02	-528.10	2,524.70	2,492.72	31.98	78.938		
4,700.00	4,085.22	3,768.00	3,736.99	45.15	14.54	-168.46	207.72	-534.62	2,591.85	2,559.40	32.45	79.880		
4,800.00	4,166.75	3,818.75	3,786.63	46.38	14.78	-168.39	214.26	-542.89	2,659.71	2,626.72	32.99	80.630		
4,900.00	4,248.27	3,864.00	3,830.81	47.61	15.00	-168.35	219.61	-551.04	2,728.73	2,695.26	33.47	81.527		
5,000.00	4,329.80	3,942.65	3,907.70	48.84	15.38	-168.30	227.96	-565.34	2,798.16	2,763.88	34.27	81.643		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 124-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,411.33	10,116.35	7,138.91	50.08	84.70	165.14	403.51	2,309.49	2,756.01	2,709.44	46.57	59.178		
5,200.00	4,492.86	10,149.69	7,137.53	51.31	85.56	164.49	402.94	2,342.80	2,676.61	2,628.58	48.03	55.731		
5,300.00	4,574.38	10,187.00	7,136.28	52.54	86.51	163.76	402.51	2,380.08	2,597.97	2,548.36	49.62	52.360		
5,400.00	4,655.91	10,217.70	7,135.48	53.78	87.30	163.14	402.30	2,410.77	2,520.15	2,468.88	51.26	49.160		
5,500.00	4,737.44	10,252.17	7,134.85	55.01	88.19	162.44	402.17	2,445.24	2,443.21	2,390.15	53.07	46.041		
5,600.00	4,818.97	10,282.00	7,134.54	56.24	88.96	161.82	402.14	2,475.06	2,367.23	2,312.27	54.96	43.072		
5,700.00	4,900.49	10,327.36	7,134.55	57.48	90.13	160.87	402.87	2,520.41	2,292.17	2,235.05	57.13	40.125		
5,800.00	4,982.02	10,377.00	7,135.36	58.71	91.41	159.85	405.31	2,569.98	2,218.10	2,158.66	59.44	37.316		
5,900.00	5,063.55	10,415.04	7,136.35	59.95	92.39	159.06	407.77	2,607.94	2,144.94	2,083.13	61.81	34.702		
6,000.00	5,145.08	10,461.98	7,137.76	61.18	93.59	158.05	410.63	2,654.76	2,072.73	2,008.28	64.45	32.159		
6,100.00	5,226.60	10,512.49	7,139.39	62.42	94.90	156.90	413.32	2,705.18	2,001.52	1,934.15	67.37	29.711		
6,200.00	5,308.13	10,568.00	7,141.10	63.65	96.34	155.56	415.36	2,760.62	1,931.34	1,860.71	70.63	27.344		
6,300.00	5,389.66	10,707.13	7,140.17	64.89	99.96	151.79	418.44	2,899.69	1,859.78	1,784.36	75.42	24.660		
6,400.00	5,471.19	10,759.00	7,138.99	66.12	101.31	150.25	419.24	2,951.54	1,789.36	1,709.90	79.46	22.519		
6,500.00	5,552.72	10,793.97	7,138.32	67.36	102.22	149.17	419.60	2,986.50	1,720.51	1,636.90	83.61	20.578		
6,600.00	5,634.24	10,833.77	7,137.73	68.59	103.26	147.89	419.65	3,026.29	1,653.58	1,565.36	88.22	18.744		
6,700.00	5,715.77	10,884.06	7,137.16	69.83	104.57	146.22	419.31	3,076.58	1,588.70	1,495.24	93.47	16.998		
6,800.00	5,797.30	10,945.46	7,136.25	71.06	106.18	144.09	418.99	3,137.97	1,525.59	1,426.17	99.42	15.345		
6,900.00	5,878.83	11,000.22	7,135.53	72.30	107.62	142.13	419.21	3,192.73	1,464.48	1,358.79	105.69	13.857		
7,000.00	5,960.35	11,057.38	7,135.34	73.53	109.11	140.04	420.48	3,249.88	1,405.71	1,293.28	112.42	12.504		
7,100.00	6,041.88	11,118.64	7,135.43	74.77	110.72	137.74	422.68	3,311.09	1,349.36	1,229.66	119.70	11.273		
7,200.00	6,123.41	11,164.48	7,135.61	76.01	111.92	135.97	424.58	3,356.89	1,295.88	1,168.80	127.08	10.198		
7,300.00	6,204.94	11,201.08	7,135.85	77.24	112.88	134.51	425.44	3,393.48	1,246.43	1,111.77	134.66	9.256		
7,400.00	6,286.46	11,236.00	7,136.18	78.48	113.80	133.07	425.59	3,428.40	1,201.60	1,059.07	142.53	8.430		
7,500.00	6,367.99	11,277.76	7,136.40	79.71	114.90	131.29	424.82	3,470.15	1,161.84	1,010.93	150.91	7.699		
7,600.00	6,449.52	11,315.96	7,136.25	80.95	115.91	129.61	423.16	3,508.32	1,127.70	968.43	159.27	7.080		
7,700.00	6,531.05	11,375.38	7,135.28	82.19	117.47	126.92	419.50	3,567.61	1,099.52	930.89	168.62	6.521		
7,800.00	6,612.57	11,439.14	7,133.24	83.42	119.16	123.97	416.15	3,631.25	1,076.58	898.60	177.98	6.049		
7,900.00	6,694.10	11,480.67	7,132.30	84.66	120.25	122.04	414.10	3,672.72	1,060.27	874.67	185.61	5.712		
8,000.00	6,775.63	11,526.11	7,132.18	85.89	121.45	119.94	411.82	3,718.10	1,051.12	858.53	192.59	5.458		
8,100.00	6,857.16	11,603.44	7,132.88	87.13	123.50	116.39	408.94	3,795.37	1,048.27	847.90	200.37	5.232		
8,104.45	6,860.78	11,606.94	7,132.92	87.19	123.59	116.23	408.86	3,798.87	1,048.27	847.57	200.70	5.223		
8,200.00	6,938.68	11,666.36	7,133.53	88.37	125.17	113.52	407.69	3,858.28	1,051.21	844.90	206.31	5.095		
8,300.00	7,020.21	11,731.32	7,133.87	89.60	126.89	110.55	406.72	3,923.23	1,060.51	849.28	211.23	5.021		
8,310.57	7,028.83	11,740.80	7,133.92	89.73	127.14	110.12	406.66	3,932.71	1,061.82	850.00	211.82	5.013		
8,350.00	7,060.23	11,778.36	7,134.16	90.25	128.14	105.88	406.75	3,970.26	1,067.03	853.04	213.99	4.986		
8,400.00	7,097.77	11,825.35	7,134.53	90.98	129.38	101.18	407.59	4,017.25	1,073.99	857.55	216.44	4.962		
8,450.00	7,132.48	11,867.24	7,134.65	91.79	130.49	97.27	408.70	4,059.11	1,081.20	862.78	218.42	4.950		
8,500.00	7,164.10	11,912.16	7,134.45	92.67	131.68	93.77	410.17	4,104.02	1,088.35	867.96	220.39	4.938		
8,550.00	7,192.40	11,951.54	7,134.18	93.63	132.72	90.91	411.54	4,143.37	1,095.25	873.24	222.00	4.933 SF		
8,600.00	7,217.15	11,970.00	7,134.05	94.64	133.21	88.97	412.19	4,161.82	1,101.90	879.35	222.55	4.951		
8,650.00	7,238.16	11,970.00	7,134.05	95.70	133.21	87.64	412.19	4,161.82	1,109.39	887.46	221.93	4.999		
8,700.00	7,255.29	11,970.00	7,134.05	96.80	133.21	86.36	412.19	4,161.82	1,117.78	896.79	220.99	5.058		
8,750.00	7,268.39	11,970.00	7,134.05	97.92	133.21	85.14	412.19	4,161.82	1,127.01	907.26	219.75	5.129		
8,800.00	7,277.37	11,970.00	7,134.05	99.06	133.21	83.96	412.19	4,161.82	1,136.97	918.75	218.22	5.210		
8,850.00	7,282.15	11,970.00	7,134.05	100.20	133.21	82.82	412.19	4,161.82	1,147.57	931.14	216.43	5.302		
8,881.61	7,283.00	11,970.00	7,134.05	100.91	133.21	82.14	412.19	4,161.82	1,154.56	939.38	215.18	5.366		
8,900.00	7,283.00	11,970.00	7,134.05	101.33	133.21	82.14	412.19	4,161.82	1,158.83	944.42	214.41	5.405		
9,000.00	7,283.00	11,970.00	7,134.05	103.59	133.21	82.14	412.19	4,161.82	1,186.75	977.19	209.56	5.663		
9,100.00	7,283.00	11,970.00	7,134.05	105.87	133.21	82.14	412.19	4,161.82	1,222.23	1,018.42	203.82	5.997		
9,200.00	7,283.00	11,970.00	7,134.05	108.18	133.21	82.14	412.19	4,161.82	1,264.65	1,067.18	197.47	6.404		
9,300.00	7,283.00	11,970.00	7,134.05	110.50	133.21	82.14	412.19	4,161.82	1,313.33	1,122.57	190.76	6.885		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T4N-R68W - JESSER 3E-10-8N - ORIGINAL WELLBORE - WB #1 - PATT 901													Offset Site Error: 0.00 usft	
Survey Program: 124-MWD OWSG													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor			
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	(usft)	(usft)	(usft)			
9,400.00	7,283.00	11,970.00	7,134.05	112.84	133.21	82.14	412.19	4,161.82	1,367.60	1,183.68	183.91	7.436		
9,500.00	7,283.00	11,970.00	7,134.05	115.19	133.21	82.14	412.19	4,161.82	1,426.82	1,249.72	177.10	8.056		
9,600.00	7,283.00	11,970.00	7,134.05	117.56	133.21	82.14	412.19	4,161.82	1,490.40	1,319.95	170.46	8.743		
9,700.00	7,283.00	11,970.00	7,134.05	119.95	133.21	82.14	412.19	4,161.82	1,557.82	1,393.75	164.07	9.495		
9,800.00	7,283.00	11,970.00	7,134.05	122.34	133.21	82.14	412.19	4,161.82	1,628.58	1,470.60	157.99	10.308		
9,900.00	7,283.00	11,970.00	7,134.05	124.76	133.21	82.14	412.19	4,161.82	1,702.28	1,550.03	152.25	11.181		
10,000.00	7,283.00	11,970.00	7,134.05	127.18	133.21	82.14	412.19	4,161.82	1,778.56	1,631.68	146.87	12.110		
10,100.00	7,283.00	11,970.00	7,134.05	129.61	133.21	82.14	412.19	4,161.82	1,857.08	1,715.23	141.85	13.092		
10,200.00	7,283.00	11,970.00	7,134.05	132.06	133.21	82.14	412.19	4,161.82	1,937.59	1,800.41	137.17	14.125		
10,300.00	7,283.00	11,970.00	7,134.05	134.52	133.21	82.14	412.19	4,161.82	2,019.83	1,887.00	132.83	15.206		
10,400.00	7,283.00	11,970.00	7,134.05	136.98	133.21	82.14	412.19	4,161.82	2,103.62	1,974.81	128.81	16.332		
10,500.00	7,283.00	11,970.00	7,134.05	139.46	133.21	82.14	412.19	4,161.82	2,188.77	2,063.69	125.08	17.500		
10,600.00	7,283.00	11,970.00	7,134.05	141.94	133.21	82.14	412.19	4,161.82	2,275.13	2,153.50	121.62	18.707		
10,700.00	7,283.00	11,970.00	7,134.05	144.44	133.21	82.14	412.19	4,161.82	2,362.56	2,244.14	118.42	19.951		
10,800.00	7,283.00	11,970.00	7,134.05	146.94	133.21	82.14	412.19	4,161.82	2,450.95	2,335.50	115.46	21.229		
10,900.00	7,283.00	11,970.00	7,134.05	149.45	133.21	82.14	412.19	4,161.82	2,540.21	2,427.50	112.71	22.538		
11,000.00	7,283.00	11,970.00	7,134.05	151.96	133.21	82.14	412.19	4,161.82	2,630.24	2,520.08	110.16	23.877		
11,100.00	7,283.00	11,970.00	7,134.05	154.49	133.21	82.14	412.19	4,161.82	2,720.96	2,613.17	107.79	25.242		
11,200.00	7,283.00	11,970.00	7,134.05	157.01	133.21	82.14	412.19	4,161.82	2,812.32	2,706.72	105.60	26.632		
11,300.00	7,283.00	11,970.00	7,134.05	159.55	133.21	82.14	412.19	4,161.82	2,904.24	2,800.69	103.56	28.045		
11,400.00	7,283.00	11,970.00	7,134.05	162.09	133.21	82.14	412.19	4,161.82	2,996.68	2,895.03	101.66	29.479		
11,500.00	7,283.00	11,970.00	7,134.05	164.64	133.21	82.14	412.19	4,161.82	3,089.60	2,989.71	99.89	30.931		
11,600.00	7,283.00	11,970.00	7,134.05	167.19	133.21	82.14	412.19	4,161.82	3,182.94	3,084.70	98.24	32.400		
11,700.00	7,283.00	11,970.00	7,134.05	169.75	133.21	82.14	412.19	4,161.82	3,276.67	3,179.97	96.70	33.884		
11,800.00	7,283.00	11,970.00	7,134.05	172.31	133.21	82.14	412.19	4,161.82	3,370.77	3,275.50	95.27	35.383		
11,900.00	7,283.00	11,970.00	7,134.05	174.88	133.21	82.14	412.19	4,161.82	3,465.19	3,371.27	93.93	36.893		
12,000.00	7,283.00	11,970.00	7,134.05	177.45	133.21	82.14	412.19	4,161.82	3,559.92	3,467.25	92.67	38.415		
12,100.00	7,283.00	11,970.00	7,134.05	180.03	133.21	82.14	412.19	4,161.82	3,654.93	3,563.44	91.50	39.946		
12,200.00	7,283.00	11,970.00	7,134.05	182.61	133.21	82.14	412.19	4,161.82	3,750.20	3,659.81	90.40	41.486		
12,300.00	7,283.00	11,970.00	7,134.05	185.19	133.21	82.14	412.19	4,161.82	3,845.71	3,756.35	89.37	43.033		
12,400.00	7,283.00	11,970.00	7,134.05	187.78	133.21	82.14	412.19	4,161.82	3,941.45	3,853.05	88.40	44.587		
12,500.00	7,283.00	11,970.00	7,134.05	190.37	133.21	82.14	412.19	4,161.82	4,037.39	3,949.90	87.49	46.146		
12,600.00	7,283.00	11,970.00	7,134.05	192.97	133.21	82.14	412.19	4,161.82	4,133.52	4,046.88	86.64	47.710		
12,700.00	7,283.00	11,970.00	7,134.05	195.57	133.21	82.14	412.19	4,161.82	4,229.83	4,143.99	85.84	49.278		
12,800.00	7,283.00	11,970.00	7,134.05	198.17	133.21	82.14	412.19	4,161.82	4,326.31	4,241.23	85.08	50.849		
12,900.00	7,283.00	11,970.00	7,134.05	200.77	133.21	82.14	412.19	4,161.82	4,422.95	4,338.57	84.37	52.422		
13,000.00	7,283.00	11,970.00	7,134.05	203.38	133.21	82.14	412.19	4,161.82	4,519.73	4,436.02	83.70	53.997		
13,100.00	7,283.00	11,970.00	7,134.05	205.99	133.21	82.14	412.19	4,161.82	4,616.65	4,533.57	83.07	55.573		
13,200.00	7,283.00	11,970.00	7,134.05	208.61	133.21	82.14	412.19	4,161.82	4,713.69	4,631.21	82.48	57.149		
13,300.00	7,283.00	11,970.00	7,134.05	211.22	133.21	82.14	412.19	4,161.82	4,810.86	4,728.94	81.92	58.726		
13,400.00	7,283.00	11,970.00	7,134.05	213.84	133.21	82.14	412.19	4,161.82	4,908.15	4,826.75	81.39	60.302		
13,500.00	7,283.00	11,970.00	7,134.05	216.47	133.21	82.14	412.19	4,161.82	5,005.54	4,924.64	80.90	61.877		
13,600.00	7,283.00	11,970.00	7,134.05	219.09	133.21	82.14	412.19	4,161.82	5,103.03	5,022.60	80.42	63.451		
13,700.00	7,283.00	11,970.00	7,134.05	221.72	133.21	82.14	412.19	4,161.82	5,200.61	5,120.63	79.98	65.023		
13,800.00	7,283.00	11,970.00	7,134.05	224.34	133.21	82.14	412.19	4,161.82	5,298.29	5,218.73	79.56	66.593		
13,900.00	7,283.00	11,970.00	7,134.05	226.97	133.21	82.14	412.19	4,161.82	5,396.05	5,316.88	79.17	68.162		
14,000.00	7,283.00	11,970.00	7,134.05	229.61	133.21	82.14	412.19	4,161.82	5,493.89	5,415.10	78.79	69.727		
14,100.00	7,283.00	11,970.00	7,134.05	232.24	133.21	82.14	412.19	4,161.82	5,591.81	5,513.37	78.44	71.290		
14,200.00	7,283.00	11,970.00	7,134.05	234.88	133.21	82.14	412.19	4,161.82	5,689.80	5,611.70	78.10	72.850		
14,300.00	7,283.00	11,970.00	7,134.05	237.52	133.21	82.14	412.19	4,161.82	5,787.86	5,710.07	77.79	74.406		
14,400.00	7,283.00	11,970.00	7,134.05	240.16	133.21	82.14	412.19	4,161.82	5,885.98	5,808.49	77.49	75.959		
14,500.00	7,283.00	11,970.00	7,134.05	242.80	133.21	82.14	412.19	4,161.82	5,984.17	5,906.96	77.21	77.508		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 124-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,600.00	7,283.00	11,970.00	7,134.05	245.44	133.21	82.14	412.19	4,161.82	6,082.41	6,005.47	76.94	79.054		
14,700.00	7,283.00	11,970.00	7,134.05	248.09	133.21	82.14	412.19	4,161.82	6,180.72	6,104.03	76.69	80.595		
14,800.00	7,283.00	11,970.00	7,134.05	250.74	133.21	82.14	412.19	4,161.82	6,279.07	6,202.62	76.45	82.133		
14,900.00	7,283.00	11,970.00	7,134.05	253.38	133.21	82.14	412.19	4,161.82	6,377.48	6,301.25	76.23	83.666		
15,000.00	7,283.00	11,970.00	7,134.05	256.03	133.21	82.14	412.19	4,161.82	6,475.93	6,399.92	76.01	85.195		
15,100.00	7,283.00	11,970.00	7,134.05	258.69	133.21	82.14	412.19	4,161.82	6,574.44	6,498.62	75.81	86.719		
15,200.00	7,283.00	11,970.00	7,134.05	261.34	133.21	82.14	412.19	4,161.82	6,672.98	6,597.36	75.62	88.239		
15,300.00	7,283.00	11,970.00	7,134.05	263.99	133.21	82.14	412.19	4,161.82	6,771.57	6,696.13	75.45	89.754		
15,400.00	7,283.00	11,970.00	7,134.05	266.65	133.21	82.14	412.19	4,161.82	6,870.20	6,794.92	75.28	91.265		
15,500.00	7,283.00	11,970.00	7,134.05	269.31	133.21	82.14	412.19	4,161.82	6,968.87	6,893.75	75.12	92.771		
15,600.00	7,283.00	11,970.00	7,134.05	271.96	133.21	82.14	412.19	4,161.82	7,067.58	6,992.61	74.97	94.272		
15,700.00	7,283.00	11,970.00	7,134.05	274.62	133.21	82.14	412.19	4,161.82	7,166.32	7,091.49	74.83	95.768		
15,800.00	7,283.00	11,970.00	7,134.05	277.28	133.21	82.14	412.19	4,161.82	7,265.10	7,190.40	74.70	97.259		
15,900.00	7,283.00	11,970.00	7,134.05	279.94	133.21	82.14	412.19	4,161.82	7,363.91	7,289.33	74.57	98.745		
16,000.00	7,283.00	11,970.00	7,134.05	282.61	133.21	82.14	412.19	4,161.82	7,462.75	7,388.29	74.46	100.226		
16,100.00	7,283.00	11,970.00	7,134.05	285.27	133.21	82.14	412.19	4,161.82	7,561.62	7,487.27	74.35	101.703		
16,200.00	7,283.00	11,970.00	7,134.05	287.94	133.21	82.14	412.19	4,161.82	7,660.52	7,586.27	74.25	103.174		
16,300.00	7,283.00	11,970.00	7,134.05	290.60	133.21	82.14	412.19	4,161.82	7,759.45	7,685.30	74.15	104.640		
16,400.00	7,283.00	11,970.00	7,134.05	293.27	133.21	82.14	412.19	4,161.82	7,858.41	7,784.34	74.07	106.100		
16,500.00	7,283.00	11,970.00	7,134.05	295.94	133.21	82.14	412.19	4,161.82	7,957.39	7,883.41	73.98	107.556		
16,600.00	7,283.00	11,970.00	7,134.05	298.60	133.21	82.14	412.19	4,161.82	8,056.40	7,982.49	73.91	109.007		
16,700.00	7,283.00	11,970.00	7,134.05	301.27	133.21	82.14	412.19	4,161.82	8,155.43	8,081.59	73.84	110.452		
16,800.00	7,283.00	11,970.00	7,134.05	303.94	133.21	82.14	412.19	4,161.82	8,254.49	8,180.71	73.77	111.892		
16,900.00	7,283.00	11,970.00	7,134.05	306.62	133.21	82.14	412.19	4,161.82	8,353.56	8,279.85	73.71	113.327		
17,000.00	7,283.00	11,970.00	7,134.05	309.29	133.21	82.14	412.19	4,161.82	8,452.66	8,379.01	73.66	114.757		
17,100.00	7,283.00	11,970.00	7,134.05	311.96	133.21	82.14	412.19	4,161.82	8,551.78	8,478.18	73.61	116.182		
17,200.00	7,283.00	11,970.00	7,134.05	314.63	133.21	82.14	412.19	4,161.82	8,650.92	8,577.36	73.56	117.601		
17,300.00	7,283.00	11,970.00	7,134.05	317.31	133.21	82.14	412.19	4,161.82	8,750.08	8,676.56	73.52	119.015		
17,400.00	7,283.00	11,970.00	7,134.05	319.98	133.21	82.14	412.19	4,161.82	8,849.26	8,775.78	73.48	120.424		
17,500.00	7,283.00	11,970.00	7,134.05	322.66	133.21	82.14	412.19	4,161.82	8,948.46	8,875.01	73.45	121.828		
17,600.00	7,283.00	11,970.00	7,134.05	325.34	133.21	82.14	412.19	4,161.82	9,047.68	8,974.25	73.42	123.227		
17,700.00	7,283.00	11,970.00	7,134.05	328.01	133.21	82.14	412.19	4,161.82	9,146.91	9,073.51	73.40	124.620		
17,800.00	7,283.00	11,970.00	7,134.05	330.69	133.21	82.14	412.19	4,161.82	9,246.16	9,172.78	73.38	126.008		
17,900.00	7,283.00	11,970.00	7,134.05	333.37	133.21	82.14	412.19	4,161.82	9,345.42	9,272.06	73.36	127.391		
18,000.00	7,283.00	11,970.00	7,134.05	336.05	133.21	82.14	412.19	4,161.82	9,444.70	9,371.36	73.35	128.769		
18,100.00	7,283.00	11,970.00	7,134.05	338.73	133.21	82.14	412.19	4,161.82	9,544.00	9,470.66	73.34	130.142		
18,200.00	7,283.00	11,970.00	7,134.05	341.41	133.21	82.14	412.19	4,161.82	9,643.31	9,569.98	73.33	131.510		
18,300.00	7,283.00	11,970.00	7,134.05	344.09	133.21	82.14	412.19	4,161.82	9,742.63	9,669.31	73.32	132.872		
18,400.00	7,283.00	11,970.00	7,134.05	346.77	133.21	82.14	412.19	4,161.82	9,841.97	9,768.65	73.32	134.230		
18,500.00	7,283.00	11,970.00	7,134.05	349.46	133.21	82.14	412.19	4,161.82	9,941.32	9,868.00	73.32	135.582		
18,600.00	7,283.00	11,970.00	7,134.05	352.14	133.21	82.14	412.19	4,161.82	10,040.68	9,967.36	73.33	136.929		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T4N-R68W - JESSER 3E-10-9C - ORIGINAL WELLBORE - WB #1 - PATT 901													Offset Site Error:	0.00 usft
Survey Program: 124-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	3.96	3.96	0.00	0.01	-91.05	-3.64	-199.59	199.62					
100.00	100.00	103.01	103.01	0.27	0.14	-91.00	-3.49	-199.84	199.88	199.47	0.41	486.875 ES		
200.00	200.00	201.81	201.81	0.63	0.45	-90.90	-3.14	-200.62	200.66	199.58	1.08	186.325		
300.00	299.98	300.50	300.48	0.98	0.80	-160.54	-2.79	-202.01	203.71	201.92	1.79	114.002		
400.00	399.84	399.57	399.54	1.34	1.16	-160.88	-2.47	-203.89	210.53	208.03	2.50	84.133		
500.00	499.45	500.77	500.73	1.71	1.52	-161.51	-2.29	-205.53	220.39	217.17	3.23	68.305		
600.00	598.70	599.79	599.74	2.10	1.88	-162.37	-2.31	-206.76	233.22	229.27	3.95	59.071		
700.00	697.47	697.39	697.33	2.51	2.23	-163.33	-2.26	-208.15	249.59	244.92	4.67	53.456		
800.00	795.62	794.39	794.30	2.95	2.58	-164.24	-1.82	-210.22	269.99	264.60	5.39	50.092		
900.00	893.06	899.03	898.93	3.43	2.94	-165.17	-0.68	-210.71	292.06	285.93	6.13	47.656		
1,000.00	989.64	995.74	995.64	3.95	3.27	-166.05	0.46	-210.21	316.55	309.71	6.84	46.257		
1,100.00	1,085.27	1,091.44	1,091.33	4.52	3.60	-166.86	1.79	-209.80	344.47	336.90	7.56	45.548		
1,200.00	1,179.82	1,185.51	1,185.39	5.14	3.93	-167.66	2.99	-209.41	375.74	367.46	8.28	45.373		
1,300.00	1,273.17	1,276.44	1,276.31	5.81	4.24	-168.59	2.73	-209.31	410.85	401.86	8.99	45.722		
1,400.00	1,365.21	1,366.96	1,366.83	6.54	4.55	-169.49	2.10	-209.52	449.64	439.95	9.69	46.392		
1,500.00	1,455.84	1,455.28	1,455.15	7.33	4.86	-170.27	1.49	-210.09	492.05	481.65	10.40	47.326		
1,600.00	1,544.94	1,542.94	1,542.80	8.19	5.16	-170.95	1.03	-210.91	537.88	526.77	11.11	48.429		
1,700.00	1,632.39	1,624.18	1,624.03	9.12	5.45	-171.50	0.62	-212.16	587.34	575.55	11.79	49.829		
1,800.00	1,718.11	1,696.67	1,696.49	10.11	5.71	-171.90	0.24	-214.12	640.83	628.41	12.42	51.604		
1,900.00	1,801.97	1,762.00	1,761.70	11.18	5.95	-172.05	0.97	-218.01	699.43	686.43	13.00	53.785		
1,969.27	1,858.92	1,798.32	1,797.87	11.96	6.08	-172.03	1.81	-221.17	742.94	729.59	13.35	55.656		
2,000.00	1,883.98	1,815.47	1,814.92	12.31	6.14	-172.08	2.27	-222.91	762.86	749.35	13.51	56.478		
2,100.00	1,965.50	1,857.00	1,856.15	13.48	6.30	-172.16	3.55	-227.77	829.12	815.22	13.89	59.684		
2,200.00	2,047.03	1,919.77	1,918.23	14.65	6.53	-172.24	5.41	-236.78	897.09	882.65	14.44	62.121		
2,300.00	2,128.56	1,975.62	1,973.25	15.84	6.75	-172.31	6.59	-246.32	966.97	952.03	14.93	64.751		
2,400.00	2,210.09	2,047.95	2,044.51	17.03	7.03	-172.47	7.13	-258.73	1,037.21	1,021.64	15.57	66.622		
2,500.00	2,291.61	2,116.16	2,111.71	18.23	7.30	-172.61	7.44	-270.44	1,107.51	1,091.33	16.17	68.483		
2,600.00	2,373.14	2,187.78	2,182.21	19.44	7.59	-172.69	8.35	-283.01	1,177.93	1,161.12	16.81	70.074		
2,700.00	2,454.67	2,259.44	2,252.78	20.64	7.88	-172.78	9.11	-295.40	1,248.22	1,230.77	17.45	71.524		
2,800.00	2,536.20	2,324.71	2,317.00	21.86	8.15	-172.82	10.28	-307.00	1,318.70	1,300.66	18.04	73.089		
2,900.00	2,617.72	2,390.66	2,381.81	23.07	8.43	-172.83	11.93	-319.11	1,389.47	1,370.83	18.64	74.528		
3,000.00	2,699.25	2,459.06	2,448.99	24.29	8.72	-172.83	13.66	-331.88	1,460.45	1,441.18	19.27	75.790		
3,100.00	2,780.78	2,532.30	2,520.94	25.50	9.04	-172.84	15.27	-345.46	1,531.39	1,511.45	19.94	76.799		
3,200.00	2,862.31	2,616.29	2,603.56	26.73	9.40	-172.88	16.69	-360.46	1,601.95	1,581.25	20.71	77.366		
3,300.00	2,943.83	2,690.28	2,676.39	27.95	9.72	-172.90	18.36	-373.38	1,672.15	1,650.76	21.39	78.182		
3,400.00	3,025.36	2,768.39	2,753.23	29.17	10.06	-172.86	21.31	-387.17	1,742.19	1,720.08	22.11	78.793		
3,500.00	3,106.89	2,859.96	2,843.43	30.40	10.45	-172.85	24.43	-402.60	1,811.76	1,788.81	22.95	78.938		
3,600.00	3,188.42	2,938.23	2,920.71	31.62	10.79	-172.86	26.70	-414.79	1,880.48	1,856.80	23.68	79.426		
3,700.00	3,269.94	3,004.00	2,985.57	32.85	11.07	-172.86	28.71	-425.51	1,949.69	1,925.39	24.29	80.255		
3,800.00	3,351.47	3,073.52	3,054.10	34.07	11.38	-172.86	30.77	-437.01	2,019.08	1,994.14	24.95	80.940		
3,900.00	3,433.00	3,160.39	3,139.86	35.30	11.75	-172.89	32.87	-450.67	2,088.01	2,062.27	25.75	81.099		
4,000.00	3,514.53	3,252.54	3,231.00	36.53	12.15	-172.95	34.38	-464.25	2,156.40	2,129.81	26.59	81.103		
4,100.00	3,596.05	3,317.28	3,295.09	37.76	12.42	-173.00	35.17	-473.31	2,224.36	2,197.16	27.20	81.790		
4,200.00	3,677.58	3,361.05	3,338.36	38.99	12.61	-173.04	35.51	-479.91	2,293.13	2,265.51	27.62	83.013		
4,300.00	3,759.11	3,405.45	3,382.17	40.22	12.80	-173.08	35.72	-487.13	2,362.81	2,334.75	28.05	84.221		
4,400.00	3,840.64	3,451.22	3,427.23	41.45	13.01	-173.10	36.12	-495.13	2,433.26	2,404.76	28.50	85.385		
4,500.00	3,922.16	3,553.80	3,528.02	42.68	13.47	-173.09	38.83	-513.96	2,504.17	2,474.72	29.45	85.020		
4,600.00	4,003.69	3,629.97	3,602.86	43.91	13.82	-173.01	43.32	-527.40	2,573.80	2,543.62	30.18	85.272		
4,700.00	4,085.22	3,672.00	3,644.11	45.15	14.01	-172.96	45.96	-535.01	2,643.83	2,613.22	30.61	86.381		
4,800.00	4,166.75	3,730.04	3,701.04	46.38	14.28	-172.91	49.07	-545.86	2,714.36	2,683.19	31.17	87.072		
4,900.00	4,248.27	3,778.64	3,748.70	47.61	14.51	-172.89	50.79	-555.26	2,785.60	2,753.95	31.65	88.006		
5,000.00	4,329.80	3,853.10	3,821.72	48.84	14.86	-172.88	52.87	-569.69	2,857.02	2,824.65	32.37	88.273		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T4N-R68W - JESSER 3E-10-9C - ORIGINAL WELLBORE - WB #1 - PATT 901													Offset Site Error: 0.00 usft	
Survey Program: 124-MWD OWSG													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
5,100.00	4,411.33	4,020.12	3,986.17	50.08	15.61	-172.92	56.14	-598.54	2,927.04	2,893.14	33.89	86.357		
5,200.00	4,492.86	10,187.00	7,278.34	51.31	83.48	158.96	106.27	2,273.12	2,875.75	2,822.27	53.48	53.768		
5,300.00	4,574.38	10,221.70	7,278.57	52.54	84.37	158.37	107.43	2,307.80	2,802.13	2,746.74	55.38	50.594		
5,400.00	4,655.91	10,269.58	7,279.07	53.78	85.60	157.53	109.20	2,355.64	2,729.24	2,671.72	57.53	47.442		
5,500.00	4,737.44	10,323.87	7,279.73	55.01	86.99	156.54	111.15	2,409.89	2,657.07	2,597.19	59.88	44.375		
5,600.00	4,818.97	10,379.37	7,280.15	56.24	88.41	155.48	112.34	2,465.38	2,585.54	2,523.12	62.42	41.419		
5,700.00	4,900.49	10,438.39	7,280.32	57.48	89.93	154.30	112.94	2,524.40	2,514.70	2,449.49	65.21	38.562		
5,800.00	4,982.02	10,491.68	7,280.26	58.71	91.31	153.18	113.04	2,577.69	2,444.62	2,376.48	68.14	35.878		
5,900.00	5,063.55	10,536.90	7,280.01	59.95	92.48	152.18	112.29	2,622.90	2,375.60	2,304.41	71.18	33.372		
6,000.00	5,145.08	10,583.03	7,279.58	61.18	93.68	151.11	110.61	2,668.99	2,307.81	2,233.31	74.50	30.979		
6,100.00	5,226.60	10,634.28	7,279.00	62.42	95.01	149.87	108.34	2,720.19	2,241.27	2,163.13	78.14	28.681		
6,200.00	5,308.13	10,680.00	7,278.48	63.65	96.20	148.74	106.17	2,765.86	2,176.10	2,094.15	81.95	26.555		
6,300.00	5,389.66	10,719.62	7,278.40	64.89	97.23	147.75	104.57	2,805.44	2,112.62	2,026.77	85.85	24.607		
6,400.00	5,471.19	10,761.87	7,278.83	66.12	98.33	146.68	103.29	2,847.67	2,050.99	1,960.97	90.03	22.782		
6,500.00	5,552.72	10,839.00	7,280.11	67.36	100.34	144.71	102.28	2,924.78	1,990.82	1,895.68	95.14	20.925		
6,600.00	5,634.24	10,887.69	7,281.01	68.59	101.62	143.44	102.35	2,973.46	1,932.05	1,832.11	99.94	19.333		
6,700.00	5,715.77	10,929.10	7,281.99	69.83	102.70	142.33	102.15	3,014.86	1,875.52	1,770.66	104.86	17.886		
6,800.00	5,797.30	10,986.22	7,283.45	71.06	104.19	140.76	101.47	3,071.96	1,821.33	1,710.89	110.44	16.492		
6,900.00	5,878.83	11,057.99	7,284.45	72.30	106.07	138.71	100.33	3,143.71	1,768.97	1,652.23	116.74	15.153		
7,000.00	5,960.35	11,123.86	7,284.89	73.53	107.80	136.77	99.48	3,209.57	1,718.66	1,595.43	123.23	13.947		
7,100.00	6,041.88	11,200.72	7,285.18	74.77	109.82	134.44	99.33	3,286.43	1,670.53	1,540.24	130.29	12.821		
7,200.00	6,123.41	11,260.03	7,285.34	76.01	111.38	132.62	100.17	3,345.73	1,624.63	1,487.50	137.12	11.848		
7,300.00	6,204.94	11,300.19	7,285.14	77.24	112.43	131.34	100.10	3,385.89	1,582.17	1,438.50	143.67	11.012		
7,400.00	6,286.46	11,340.42	7,284.61	78.48	113.49	130.03	99.24	3,426.11	1,543.66	1,393.27	150.39	10.264		
7,500.00	6,367.99	11,387.33	7,283.81	79.71	114.73	128.47	97.77	3,472.99	1,509.27	1,351.84	157.43	9.587		
7,600.00	6,449.52	11,428.00	7,283.05	80.95	115.80	127.10	96.26	3,513.62	1,479.22	1,314.98	164.24	9.007		
7,700.00	6,531.05	11,476.41	7,282.39	82.19	117.08	125.46	94.32	3,562.00	1,453.83	1,282.60	171.23	8.491		
7,800.00	6,612.57	11,523.00	7,282.29	83.42	118.31	123.87	92.42	3,608.54	1,433.36	1,255.44	177.92	8.056		
7,900.00	6,694.10	11,595.22	7,282.52	84.66	120.22	121.41	90.01	3,680.72	1,417.44	1,232.03	185.41	7.645		
8,000.00	6,775.63	11,670.45	7,282.70	85.89	122.21	118.83	88.70	3,755.94	1,405.56	1,212.89	192.67	7.295		
8,100.00	6,857.16	11,740.99	7,282.92	87.13	124.07	116.40	88.55	3,826.48	1,397.85	1,198.58	199.27	7.015		
8,200.00	6,938.68	11,804.27	7,282.94	88.37	125.75	114.22	88.90	3,889.76	1,394.72	1,189.67	205.05	6.802		
8,216.57	6,952.19	11,814.72	7,282.92	88.57	126.02	113.86	88.99	3,900.20	1,394.66	1,188.70	205.95	6.772		
8,300.00	7,020.21	11,867.18	7,282.81	89.60	127.41	112.06	89.61	3,952.66	1,396.30	1,186.07	210.23	6.642		
8,310.57	7,028.83	11,873.83	7,282.79	89.73	127.59	111.83	89.71	3,959.31	1,396.74	1,186.00	210.74	6.628		
8,350.00	7,060.23	11,899.95	7,282.71	90.25	128.28	108.68	90.13	3,985.43	1,398.77	1,186.14	212.63	6.578		
8,400.00	7,097.77	11,979.86	7,282.90	90.98	130.39	103.84	92.91	4,065.29	1,401.58	1,184.86	216.72	6.467		
8,450.00	7,132.48	12,028.45	7,283.45	91.79	131.67	100.60	95.88	4,113.78	1,403.94	1,184.53	219.42	6.399		
8,500.00	7,164.10	12,067.16	7,283.92	92.67	132.68	98.09	98.33	4,152.40	1,406.44	1,184.78	221.66	6.345		
8,550.00	7,192.40	12,105.00	7,284.37	93.63	133.68	95.98	100.73	4,190.17	1,408.88	1,185.07	223.81	6.295		
8,600.00	7,217.15	12,105.00	7,284.37	94.64	133.68	94.91	100.73	4,190.17	1,411.78	1,187.36	224.42	6.291 SF		
8,650.00	7,238.16	12,105.00	7,284.37	95.70	133.68	93.91	100.73	4,190.17	1,415.64	1,190.86	224.78	6.298		
8,700.00	7,255.29	12,105.00	7,284.37	96.80	133.68	92.98	100.73	4,190.17	1,420.41	1,195.53	224.88	6.316		
8,750.00	7,268.39	12,105.00	7,284.37	97.92	133.68	92.08	100.73	4,190.17	1,426.06	1,201.33	224.73	6.346		
8,800.00	7,277.37	12,105.00	7,284.37	99.06	133.68	91.23	100.73	4,190.17	1,432.52	1,208.20	224.32	6.386		
8,850.00	7,282.15	12,105.00	7,284.37	100.20	133.68	90.40	100.73	4,190.17	1,439.74	1,216.07	223.67	6.437		
8,881.61	7,283.00	12,105.00	7,284.37	100.91	133.68	89.89	100.73	4,190.17	1,444.67	1,221.53	223.14	6.474		
8,900.00	7,283.00	12,105.00	7,284.37	101.33	133.68	89.89	100.73	4,190.17	1,447.73	1,224.94	222.78	6.498		
9,000.00	7,283.00	12,105.00	7,284.37	103.59	133.68	89.89	100.73	4,190.17	1,468.28	1,247.91	220.36	6.663		
9,100.00	7,283.00	12,105.00	7,284.37	105.87	133.68	89.89	100.73	4,190.17	1,495.24	1,278.07	217.17	6.885		
9,200.00	7,283.00	12,105.00	7,284.37	108.18	133.68	89.89	100.73	4,190.17	1,528.29	1,314.95	213.34	7.164		
9,300.00	7,283.00	12,105.00	7,284.37	110.50	133.68	89.89	100.73	4,190.17	1,567.04	1,358.03	209.01	7.498		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 124-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)						
9,400.00	7,283.00	12,105.00	7,284.37	112.84	133.68	89.89	100.73	4,190.17	1,611.06	1,406.77	204.30	7.886		
9,500.00	7,283.00	12,105.00	7,284.37	115.19	133.68	89.89	100.73	4,190.17	1,659.95	1,460.62	199.33	8.327		
9,600.00	7,283.00	12,105.00	7,284.37	117.56	133.68	89.89	100.73	4,190.17	1,713.29	1,519.06	194.23	8.821		
9,700.00	7,283.00	12,105.00	7,284.37	119.95	133.68	89.89	100.73	4,190.17	1,770.67	1,581.59	189.08	9.364		
9,800.00	7,283.00	12,105.00	7,284.37	122.34	133.68	89.89	100.73	4,190.17	1,831.72	1,647.76	183.96	9.957		
9,900.00	7,283.00	12,105.00	7,284.37	124.76	133.68	89.89	100.73	4,190.17	1,896.08	1,717.16	178.92	10.597		
10,000.00	7,283.00	12,105.00	7,284.37	127.18	133.68	89.89	100.73	4,190.17	1,963.43	1,789.41	174.02	11.283		
10,100.00	7,283.00	12,105.00	7,284.37	129.61	133.68	89.89	100.73	4,190.17	2,033.46	1,864.19	169.27	12.013		
10,200.00	7,283.00	12,105.00	7,284.37	132.06	133.68	89.89	100.73	4,190.17	2,105.92	1,941.21	164.71	12.786		
10,300.00	7,283.00	12,105.00	7,284.37	134.52	133.68	89.89	100.73	4,190.17	2,180.55	2,020.21	160.34	13.599		
10,400.00	7,283.00	12,105.00	7,284.37	136.98	133.68	89.89	100.73	4,190.17	2,257.15	2,100.97	156.18	14.452		
10,500.00	7,283.00	12,105.00	7,284.37	139.46	133.68	89.89	100.73	4,190.17	2,335.52	2,183.30	152.22	15.343		
10,600.00	7,283.00	12,105.00	7,284.37	141.94	133.68	89.89	100.73	4,190.17	2,415.49	2,267.02	148.47	16.270		
10,700.00	7,283.00	12,105.00	7,284.37	144.44	133.68	89.89	100.73	4,190.17	2,496.90	2,351.99	144.91	17.231		
10,800.00	7,283.00	12,105.00	7,284.37	146.94	133.68	89.89	100.73	4,190.17	2,579.62	2,438.07	141.54	18.225		
10,900.00	7,283.00	12,105.00	7,284.37	149.45	133.68	89.89	100.73	4,190.17	2,663.52	2,525.16	138.37	19.250		
11,000.00	7,283.00	12,105.00	7,284.37	151.96	133.68	89.89	100.73	4,190.17	2,748.50	2,613.14	135.36	20.305		
11,100.00	7,283.00	12,105.00	7,284.37	154.49	133.68	89.89	100.73	4,190.17	2,834.47	2,701.94	132.53	21.388		
11,200.00	7,283.00	12,105.00	7,284.37	157.01	133.68	89.89	100.73	4,190.17	2,921.32	2,791.47	129.85	22.498		
11,300.00	7,283.00	12,105.00	7,284.37	159.55	133.68	89.89	100.73	4,190.17	3,008.99	2,881.67	127.32	23.634		
11,400.00	7,283.00	12,105.00	7,284.37	162.09	133.68	89.89	100.73	4,190.17	3,097.41	2,972.48	124.93	24.793		
11,500.00	7,283.00	12,105.00	7,284.37	164.64	133.68	89.89	100.73	4,190.17	3,186.52	3,063.84	122.68	25.975		
11,600.00	7,283.00	12,105.00	7,284.37	167.19	133.68	89.89	100.73	4,190.17	3,276.25	3,155.70	120.54	27.179		
11,700.00	7,283.00	12,105.00	7,284.37	169.75	133.68	89.89	100.73	4,190.17	3,366.56	3,248.03	118.53	28.403		
11,800.00	7,283.00	12,105.00	7,284.37	172.31	133.68	89.89	100.73	4,190.17	3,457.40	3,340.78	116.63	29.645		
11,900.00	7,283.00	12,105.00	7,284.37	174.88	133.68	89.89	100.73	4,190.17	3,548.74	3,433.92	114.82	30.906		
12,000.00	7,283.00	12,105.00	7,284.37	177.45	133.68	89.89	100.73	4,190.17	3,640.53	3,527.42	113.12	32.183		
12,100.00	7,283.00	12,105.00	7,284.37	180.03	133.68	89.89	100.73	4,190.17	3,732.75	3,621.24	111.50	33.476		
12,200.00	7,283.00	12,105.00	7,284.37	182.61	133.68	89.89	100.73	4,190.17	3,825.35	3,715.38	109.97	34.784		
12,300.00	7,283.00	12,105.00	7,284.37	185.19	133.68	89.89	100.73	4,190.17	3,918.32	3,809.80	108.52	36.106		
12,400.00	7,283.00	12,105.00	7,284.37	187.78	133.68	89.89	100.73	4,190.17	4,011.63	3,904.48	107.15	37.440		
12,500.00	7,283.00	12,105.00	7,284.37	190.37	133.68	89.89	100.73	4,190.17	4,105.25	3,999.41	105.84	38.786		
12,600.00	7,283.00	12,105.00	7,284.37	192.97	133.68	89.89	100.73	4,190.17	4,199.17	4,094.57	104.60	40.144		
12,700.00	7,283.00	12,105.00	7,284.37	195.57	133.68	89.89	100.73	4,190.17	4,293.36	4,189.93	103.43	41.511		
12,800.00	7,283.00	12,105.00	7,284.37	198.17	133.68	89.89	100.73	4,190.17	4,387.81	4,285.50	102.31	42.888		
12,900.00	7,283.00	12,105.00	7,284.37	200.77	133.68	89.89	100.73	4,190.17	4,482.50	4,381.25	101.24	44.274		
13,000.00	7,283.00	12,105.00	7,284.37	203.38	133.68	89.89	100.73	4,190.17	4,577.41	4,477.18	100.23	45.668		
13,100.00	7,283.00	12,105.00	7,284.37	205.99	133.68	89.89	100.73	4,190.17	4,672.54	4,573.27	99.27	47.069		
13,200.00	7,283.00	12,105.00	7,284.37	208.61	133.68	89.89	100.73	4,190.17	4,767.87	4,669.51	98.35	48.477		
13,300.00	7,283.00	12,105.00	7,284.37	211.22	133.68	89.89	100.73	4,190.17	4,863.38	4,765.90	97.48	49.891		
13,400.00	7,283.00	12,105.00	7,284.37	213.84	133.68	89.89	100.73	4,190.17	4,959.07	4,862.42	96.65	51.311		
13,500.00	7,283.00	12,105.00	7,284.37	216.47	133.68	89.89	100.73	4,190.17	5,054.93	4,959.08	95.85	52.736		
13,600.00	7,283.00	12,105.00	7,284.37	219.09	133.68	89.89	100.73	4,190.17	5,150.95	5,055.85	95.10	54.165		
13,700.00	7,283.00	12,105.00	7,284.37	221.72	133.68	89.89	100.73	4,190.17	5,247.11	5,152.74	94.37	55.599		
13,800.00	7,283.00	12,105.00	7,284.37	224.34	133.68	89.89	100.73	4,190.17	5,343.41	5,249.73	93.69	57.036		
13,900.00	7,283.00	12,105.00	7,284.37	226.97	133.68	89.89	100.73	4,190.17	5,439.85	5,346.83	93.03	58.476		
14,000.00	7,283.00	12,105.00	7,284.37	229.61	133.68	89.89	100.73	4,190.17	5,536.42	5,444.02	92.40	59.919		
14,100.00	7,283.00	12,105.00	7,284.37	232.24	133.68	89.89	100.73	4,190.17	5,633.10	5,541.30	91.80	61.364		
14,200.00	7,283.00	12,105.00	7,284.37	234.88	133.68	89.89	100.73	4,190.17	5,729.90	5,638.68	91.22	62.811		
14,300.00	7,283.00	12,105.00	7,284.37	237.52	133.68	89.89	100.73	4,190.17	5,826.81	5,736.13	90.68	64.260		
14,400.00	7,283.00	12,105.00	7,284.37	240.16	133.68	89.89	100.73	4,190.17	5,923.82	5,833.67	90.15	65.710		
14,500.00	7,283.00	12,105.00	7,284.37	242.80	133.68	89.89	100.73	4,190.17	6,020.92	5,931.28	89.65	67.161		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 124-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,600.00	7,283.00	12,105.00	7,284.37	245.44	133.68	89.89	100.73	4,190.17	6,118.13	6,028.96	89.17	68.612		
14,700.00	7,283.00	12,105.00	7,284.37	248.09	133.68	89.89	100.73	4,190.17	6,215.41	6,126.70	88.71	70.064		
14,800.00	7,283.00	12,105.00	7,284.37	250.74	133.68	89.89	100.73	4,190.17	6,312.79	6,224.52	88.27	71.516		
14,900.00	7,283.00	12,105.00	7,284.37	253.38	133.68	89.89	100.73	4,190.17	6,410.24	6,322.39	87.85	72.968		
15,000.00	7,283.00	12,105.00	7,284.37	256.03	133.68	89.89	100.73	4,190.17	6,507.78	6,420.33	87.45	74.420		
15,100.00	7,283.00	12,105.00	7,284.37	258.69	133.68	89.89	100.73	4,190.17	6,605.38	6,518.32	87.06	75.870		
15,200.00	7,283.00	12,105.00	7,284.37	261.34	133.68	89.89	100.73	4,190.17	6,703.06	6,616.37	86.69	77.320		
15,300.00	7,283.00	12,105.00	7,284.37	263.99	133.68	89.89	100.73	4,190.17	6,800.80	6,714.46	86.34	78.769		
15,400.00	7,283.00	12,105.00	7,284.37	266.65	133.68	89.89	100.73	4,190.17	6,898.61	6,812.61	86.00	80.217		
15,500.00	7,283.00	12,105.00	7,284.37	269.31	133.68	89.89	100.73	4,190.17	6,996.48	6,910.81	85.68	81.663		
15,600.00	7,283.00	12,105.00	7,284.37	271.96	133.68	89.89	100.73	4,190.17	7,094.41	7,009.05	85.36	83.107		
15,700.00	7,283.00	12,105.00	7,284.37	274.62	133.68	89.89	100.73	4,190.17	7,192.40	7,107.33	85.07	84.550		
15,800.00	7,283.00	12,105.00	7,284.37	277.28	133.68	89.89	100.73	4,190.17	7,290.44	7,205.66	84.78	85.991		
15,900.00	7,283.00	12,105.00	7,284.37	279.94	133.68	89.89	100.73	4,190.17	7,388.53	7,304.03	84.51	87.430		
16,000.00	7,283.00	12,105.00	7,284.37	282.61	133.68	89.89	100.73	4,190.17	7,486.68	7,402.43	84.25	88.866		
16,100.00	7,283.00	12,105.00	7,284.37	285.27	133.68	89.89	100.73	4,190.17	7,584.87	7,500.88	84.00	90.300		
16,200.00	7,283.00	12,105.00	7,284.37	287.94	133.68	89.89	100.73	4,190.17	7,683.11	7,599.36	83.76	91.732		
16,300.00	7,283.00	12,105.00	7,284.37	290.60	133.68	89.89	100.73	4,190.17	7,781.40	7,697.87	83.53	93.161		
16,400.00	7,283.00	12,105.00	7,284.37	293.27	133.68	89.89	100.73	4,190.17	7,879.72	7,796.42	83.31	94.587		
16,500.00	7,283.00	12,105.00	7,284.37	295.94	133.68	89.89	100.73	4,190.17	7,978.09	7,895.00	83.10	96.011		
16,600.00	7,283.00	12,105.00	7,284.37	298.60	133.68	89.89	100.73	4,190.17	8,076.50	7,993.61	82.89	97.431		
16,700.00	7,283.00	12,105.00	7,284.37	301.27	133.68	89.89	100.73	4,190.17	8,174.95	8,092.25	82.70	98.849		
16,800.00	7,283.00	12,105.00	7,284.37	303.94	133.68	89.89	100.73	4,190.17	8,273.44	8,190.92	82.52	100.264		
16,900.00	7,283.00	12,105.00	7,284.37	306.62	133.68	89.89	100.73	4,190.17	8,371.96	8,289.62	82.34	101.675		
17,000.00	7,283.00	12,105.00	7,284.37	309.29	133.68	89.89	100.73	4,190.17	8,470.51	8,388.34	82.17	103.083		
17,100.00	7,283.00	12,105.00	7,284.37	311.96	133.68	89.89	100.73	4,190.17	8,569.10	8,487.09	82.01	104.488		
17,200.00	7,283.00	12,105.00	7,284.37	314.63	133.68	89.89	100.73	4,190.17	8,667.72	8,585.87	81.86	105.889		
17,300.00	7,283.00	12,105.00	7,284.37	317.31	133.68	89.89	100.73	4,190.17	8,766.38	8,684.67	81.71	107.287		
17,400.00	7,283.00	12,105.00	7,284.37	319.98	133.68	89.89	100.73	4,190.17	8,865.06	8,783.49	81.57	108.682		
17,500.00	7,283.00	12,105.00	7,284.37	322.66	133.68	89.89	100.73	4,190.17	8,963.77	8,882.34	81.44	110.072		
17,600.00	7,283.00	12,105.00	7,284.37	325.34	133.68	89.89	100.73	4,190.17	9,062.51	8,981.20	81.31	111.460		
17,700.00	7,283.00	12,105.00	7,284.37	328.01	133.68	89.89	100.73	4,190.17	9,161.28	9,080.09	81.19	112.843		
17,800.00	7,283.00	12,105.00	7,284.37	330.69	133.68	89.89	100.73	4,190.17	9,260.07	9,179.00	81.07	114.223		
17,900.00	7,283.00	12,105.00	7,284.37	333.37	133.68	89.89	100.73	4,190.17	9,358.89	9,277.93	80.96	115.599		
18,000.00	7,283.00	12,105.00	7,284.37	336.05	133.68	89.89	100.73	4,190.17	9,457.74	9,376.88	80.86	116.971		
18,100.00	7,283.00	12,105.00	7,284.37	338.73	133.68	89.89	100.73	4,190.17	9,556.61	9,475.85	80.76	118.340		
18,200.00	7,283.00	12,105.00	7,284.37	341.41	133.68	89.89	100.73	4,190.17	9,655.50	9,574.84	80.66	119.704		
18,300.00	7,283.00	12,105.00	7,284.37	344.09	133.68	89.89	100.73	4,190.17	9,754.41	9,673.84	80.57	121.065		
18,400.00	7,283.00	12,105.00	7,284.37	346.77	133.68	89.89	100.73	4,190.17	9,853.35	9,772.86	80.49	122.421		
18,500.00	7,283.00	12,105.00	7,284.37	349.46	133.68	89.89	100.73	4,190.17	9,952.31	9,871.90	80.41	123.774		
18,600.00	7,283.00	12,105.00	7,284.37	352.14	133.68	89.89	100.73	4,190.17	10,051.29	9,970.95	80.33	125.123		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-91.04	-0.36	-20.07	20.07					
100.00	100.00	100.00	100.00	0.27	0.27	-91.04	-0.36	-20.07	20.07	19.54	0.54	37.331		
200.00	200.00	200.59	200.57	0.63	0.63	-88.68	0.43	-18.49	18.50	17.25	1.26	14.701		
300.00	299.98	301.04	300.88	0.98	0.99	-151.59	2.79	-13.76	15.58	13.61	1.97	7.901		
400.00	399.84	401.37	400.81	1.34	1.37	-140.73	6.72	-5.90	13.20	10.51	2.69	4.906		
500.00	499.45	501.56	500.25	1.71	1.76	-124.89	12.20	5.06	11.79	8.34	3.45	3.422		
548.23	547.37	549.83	547.99	1.90	1.96	-115.93	15.39	11.46	11.61	7.77	3.84	3.026 CC		
600.00	598.70	601.62	599.06	2.10	2.18	-106.14	19.22	19.11	11.82	7.56	4.27	2.771		
700.00	697.47	701.55	697.14	2.51	2.63	-89.34	27.77	36.22	13.42	8.27	5.14	2.609		
800.00	795.62	801.34	794.36	2.95	3.12	-77.28	37.83	56.34	16.24	10.19	6.04	2.687		
900.00	893.06	901.00	890.60	3.43	3.65	-69.46	49.38	79.44	19.88	12.91	6.97	2.851		
1,000.00	989.64	1,000.52	985.77	3.95	4.22	-64.56	62.40	105.49	24.09	16.14	7.95	3.031		
1,100.00	1,085.27	1,100.00	1,079.82	4.52	4.84	-61.51	76.88	134.47	28.72	19.73	8.99	3.196		
1,200.00	1,179.82	1,199.16	1,172.39	5.14	5.52	-59.67	92.76	166.24	33.68	23.59	10.09	3.337		
1,300.00	1,273.17	1,298.27	1,263.63	5.81	6.25	-58.60	110.06	200.84	38.94	27.65	11.29	3.449		
1,400.00	1,365.21	1,397.24	1,353.36	6.54	7.03	-58.05	128.73	238.19	44.47	31.89	12.59	3.534		
1,500.00	1,455.84	1,496.07	1,441.47	7.33	7.88	-57.86	148.74	278.23	50.26	36.28	13.99	3.594		
1,600.00	1,544.94	1,594.77	1,527.86	8.19	8.79	-57.92	170.07	320.91	56.30	40.80	15.50	3.632		
1,700.00	1,632.39	1,693.33	1,612.45	9.12	9.76	-58.15	192.69	366.15	62.58	45.44	17.14	3.651		
1,800.00	1,718.11	1,791.76	1,695.13	10.11	10.80	-58.50	216.56	413.91	69.09	50.19	18.90	3.655		
1,900.00	1,801.97	1,890.06	1,775.83	11.18	11.90	-58.94	241.65	464.11	75.84	55.04	20.81	3.645		
1,969.27	1,858.92	1,958.07	1,830.51	11.96	12.71	-59.28	259.73	500.28	80.65	58.44	22.20	3.632		
2,000.00	1,883.98	1,988.22	1,854.44	12.31	13.07	-59.38	267.93	516.68	82.90	60.08	22.82	3.632		
2,100.00	1,965.50	2,087.87	1,933.15	13.48	14.30	-59.34	295.25	571.34	90.59	65.70	24.89	3.639		
2,200.00	2,047.03	2,187.57	2,011.91	14.65	15.54	-59.31	322.59	626.04	98.28	71.30	26.99	3.642		
2,300.00	2,128.56	2,287.28	2,090.66	15.84	16.79	-59.28	349.93	680.73	105.97	76.88	29.10	3.642		
2,400.00	2,210.09	2,386.98	2,169.42	17.03	18.04	-59.26	377.27	735.42	113.67	82.45	31.22	3.641		
2,500.00	2,291.61	2,486.68	2,248.17	18.23	19.30	-59.24	404.61	790.11	121.36	88.01	33.35	3.639		
2,600.00	2,373.14	2,586.39	2,326.92	19.44	20.57	-59.22	431.95	844.80	129.05	93.56	35.49	3.636		
2,700.00	2,454.67	2,686.09	2,405.68	20.64	21.84	-59.21	459.28	899.50	136.74	99.10	37.64	3.633		
2,800.00	2,536.20	2,785.79	2,484.43	21.86	23.11	-59.19	486.62	954.19	144.44	104.64	39.80	3.629		
2,900.00	2,617.72	2,885.50	2,563.19	23.07	24.39	-59.18	513.96	1,008.88	152.13	110.17	41.96	3.626		
3,000.00	2,699.25	2,985.20	2,641.94	24.29	25.66	-59.17	541.30	1,063.57	159.82	115.70	44.12	3.622		
3,100.00	2,780.78	3,084.90	2,720.69	25.50	26.94	-59.16	568.64	1,118.27	167.51	121.22	46.29	3.619		
3,200.00	2,862.31	3,184.61	2,799.45	26.73	28.23	-59.15	595.97	1,172.96	175.20	126.74	48.46	3.615		
3,300.00	2,943.83	3,284.31	2,878.20	27.95	29.51	-59.14	623.31	1,227.65	182.90	132.26	50.64	3.612		
3,400.00	3,025.36	3,384.02	2,956.96	29.17	30.79	-59.13	650.65	1,282.34	190.59	137.77	52.81	3.609		
3,500.00	3,106.89	3,483.72	3,035.71	30.40	32.08	-59.13	677.99	1,337.04	198.28	143.29	54.99	3.606		
3,600.00	3,188.42	3,583.42	3,114.46	31.62	33.36	-59.12	705.33	1,391.73	205.97	148.80	57.17	3.603		
3,700.00	3,269.94	3,683.13	3,193.22	32.85	34.65	-59.11	732.66	1,446.42	213.67	154.31	59.36	3.600		
3,800.00	3,351.47	3,782.83	3,271.97	34.07	35.94	-59.11	760.00	1,501.11	221.36	159.82	61.54	3.597		
3,900.00	3,433.00	3,882.53	3,350.73	35.30	37.23	-59.10	787.34	1,555.81	229.05	165.32	63.73	3.594		
4,000.00	3,514.53	3,982.24	3,429.48	36.53	38.51	-59.10	814.68	1,610.50	236.74	170.83	65.91	3.592		
4,100.00	3,596.05	4,081.94	3,508.23	37.76	39.80	-59.09	842.02	1,665.19	244.43	176.33	68.10	3.589		
4,200.00	3,677.58	4,181.65	3,586.99	38.99	41.09	-59.09	869.35	1,719.88	252.13	181.83	70.29	3.587		
4,300.00	3,759.11	4,281.35	3,665.74	40.22	42.38	-59.08	896.69	1,774.57	259.82	187.34	72.48	3.585		
4,400.00	3,840.64	4,381.05	3,744.50	41.45	43.68	-59.08	924.03	1,829.27	267.51	192.84	74.67	3.582		
4,500.00	3,922.16	4,480.76	3,823.25	42.68	44.97	-59.08	951.37	1,883.96	275.20	198.34	76.86	3.580		
4,600.00	4,003.69	4,580.46	3,902.01	43.91	46.26	-59.07	978.71	1,938.65	282.90	203.84	79.06	3.578		
4,700.00	4,085.22	4,680.16	3,980.76	45.15	47.55	-59.07	1,006.05	1,993.34	290.59	209.34	81.25	3.576		
4,800.00	4,166.75	4,779.87	4,059.51	46.38	48.84	-59.07	1,033.38	2,048.04	298.28	214.84	83.44	3.575		
4,900.00	4,248.27	4,879.57	4,138.27	47.61	50.14	-59.06	1,060.72	2,102.73	305.97	220.34	85.64	3.573		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T4N-R68W - JESSER EAST 3E-20-01 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,329.80	4,979.28	4,217.02	48.84	51.43	-59.06	1,088.06	2,157.42	313.66	225.83	87.83	3.571		
5,100.00	4,411.33	5,078.98	4,295.78	50.08	52.72	-59.06	1,115.40	2,212.11	321.36	231.33	90.03	3.570		
5,200.00	4,492.86	5,178.68	4,374.53	51.31	54.02	-59.05	1,142.74	2,266.81	329.05	236.83	92.22	3.568		
5,300.00	4,574.38	5,278.39	4,453.28	52.54	55.31	-59.05	1,170.07	2,321.50	336.74	242.32	94.42	3.566		
5,400.00	4,655.91	5,378.09	4,532.04	53.78	56.60	-59.05	1,197.41	2,376.19	344.43	247.82	96.61	3.565		
5,500.00	4,737.44	5,477.79	4,610.79	55.01	57.90	-59.05	1,224.75	2,430.88	352.13	253.31	98.81	3.564		
5,600.00	4,818.97	5,577.50	4,689.55	56.24	59.19	-59.04	1,252.09	2,485.58	359.82	258.81	101.01	3.562		
5,700.00	4,900.49	5,677.20	4,768.30	57.48	60.48	-59.04	1,279.43	2,540.27	367.51	264.30	103.21	3.561		
5,800.00	4,982.02	5,776.91	4,847.05	58.71	61.78	-59.04	1,306.76	2,594.96	375.20	269.80	105.40	3.560		
5,900.00	5,063.55	5,876.61	4,925.81	59.95	63.07	-59.04	1,334.10	2,649.65	382.89	275.29	107.60	3.558		
6,000.00	5,145.08	5,976.31	5,004.56	61.18	64.37	-59.04	1,361.44	2,704.34	390.59	280.79	109.80	3.557		
6,100.00	5,226.60	6,076.02	5,083.32	62.42	65.66	-59.04	1,388.78	2,759.04	398.28	286.28	112.00	3.556		
6,200.00	5,308.13	6,175.72	5,162.07	63.65	66.96	-59.03	1,416.12	2,813.73	405.97	291.78	114.20	3.555		
6,300.00	5,389.66	6,275.42	5,240.82	64.89	68.25	-59.03	1,443.45	2,868.42	413.66	297.27	116.39	3.554		
6,400.00	5,471.19	6,375.13	5,319.58	66.12	69.55	-59.03	1,470.79	2,923.11	421.36	302.76	118.59	3.553		
6,500.00	5,552.72	6,474.83	5,398.33	67.36	70.84	-59.03	1,498.13	2,977.81	429.05	308.26	120.79	3.552		
6,600.00	5,634.24	6,574.53	5,477.09	68.59	72.14	-59.03	1,525.47	3,032.50	436.74	313.75	122.99	3.551		
6,700.00	5,715.77	6,674.24	5,555.84	69.83	73.43	-59.03	1,552.81	3,087.19	444.43	319.24	125.19	3.550		
6,800.00	5,797.30	6,773.94	5,634.59	71.06	74.73	-59.02	1,580.15	3,141.88	452.12	324.73	127.39	3.549		
6,900.00	5,878.83	6,873.65	5,713.35	72.30	76.02	-59.02	1,607.48	3,196.58	459.82	330.23	129.59	3.548		
7,000.00	5,960.35	6,973.35	5,792.10	73.53	77.32	-59.02	1,634.82	3,251.27	467.51	335.72	131.79	3.547		
7,100.00	6,041.88	7,073.05	5,870.86	74.77	78.62	-59.02	1,662.16	3,305.96	475.20	341.21	133.99	3.546		
7,200.00	6,123.41	7,172.76	5,949.61	76.01	79.91	-59.02	1,689.50	3,360.65	482.89	346.70	136.19	3.546		
7,300.00	6,204.94	7,272.46	6,028.37	77.24	81.21	-59.02	1,716.84	3,415.35	490.59	352.19	138.39	3.545		
7,400.00	6,286.46	7,372.16	6,107.12	78.48	82.50	-59.02	1,744.17	3,470.04	498.28	357.69	140.59	3.544		
7,500.00	6,367.99	7,471.87	6,185.87	79.71	83.80	-59.02	1,771.51	3,524.73	505.97	363.18	142.79	3.543		
7,600.00	6,449.52	7,571.57	6,264.63	80.95	85.09	-59.02	1,798.85	3,579.42	513.66	368.67	144.99	3.543		
7,700.00	6,531.05	7,671.28	6,343.38	82.19	86.39	-59.01	1,826.19	3,634.11	521.36	374.16	147.20	3.542		
7,800.00	6,612.57	7,770.98	6,422.14	83.42	87.69	-59.01	1,853.53	3,688.81	529.05	379.65	149.40	3.541		
7,900.00	6,694.10	7,870.68	6,500.89	84.66	88.98	-59.01	1,880.86	3,743.50	536.74	385.14	151.60	3.541		
8,000.00	6,775.63	7,970.39	6,579.64	85.89	90.28	-59.01	1,908.20	3,798.19	544.43	390.63	153.80	3.540		
8,100.00	6,857.16	8,070.09	6,658.40	87.13	91.58	-59.01	1,935.54	3,852.88	552.12	396.12	156.00	3.539		
8,200.00	6,938.68	8,167.72	6,734.96	88.37	92.87	-58.90	1,962.12	3,907.28	559.88	401.84	158.04	3.543		
8,300.00	7,020.21	8,259.69	6,800.19	89.60	94.30	-57.61	1,984.73	3,967.91	568.62	410.10	158.52	3.587		
8,310.57	7,028.83	8,269.11	6,806.33	89.73	94.46	-57.40	1,986.85	3,974.73	569.65	411.19	158.46	3.595		
8,350.00	7,060.23	8,303.89	6,828.07	90.25	95.07	-58.28	1,994.38	4,000.80	573.50	415.24	158.26	3.624		
8,400.00	7,097.77	8,350.00	6,854.52	90.98	95.93	-58.87	2,003.52	4,037.43	578.30	420.11	158.19	3.656		
8,450.00	7,132.48	8,390.30	6,875.30	91.79	96.73	-59.21	2,010.69	4,071.20	582.93	424.50	158.42	3.680		
8,500.00	7,164.10	8,432.67	6,894.67	92.67	97.59	-59.25	2,017.37	4,108.27	587.33	428.46	158.86	3.697		
8,550.00	7,192.40	8,474.54	6,911.23	93.63	98.48	-59.13	2,023.06	4,146.30	591.44	431.89	159.55	3.707		
8,600.00	7,217.15	8,515.99	6,924.99	94.64	99.37	-58.89	2,027.77	4,185.10	595.21	434.74	160.47	3.709		
8,650.00	7,238.16	8,557.05	6,935.97	95.70	100.27	-58.59	2,031.52	4,224.48	598.58	436.95	161.63	3.703		
8,700.00	7,255.29	8,600.00	6,944.59	96.80	101.22	-58.22	2,034.43	4,266.45	601.51	438.61	162.90	3.692		
8,750.00	7,268.39	8,638.19	6,949.74	97.92	102.06	-57.89	2,036.15	4,304.24	603.95	439.34	164.62	3.669		
8,800.00	7,277.37	8,678.35	6,952.57	99.06	102.94	-57.53	2,037.05	4,344.29	605.88	439.45	166.42	3.641		
8,850.00	7,282.15	8,722.58	6,953.00	100.20	103.91	-57.17	2,037.11	4,388.51	607.18	438.99	168.18	3.610		
8,881.61	7,283.00	8,754.17	6,953.00	100.91	104.60	-57.09	2,037.04	4,420.10	607.36	438.04	169.32	3.587		
8,900.00	7,283.00	8,772.57	6,953.00	101.33	105.00	-57.09	2,037.00	4,438.50	607.30	437.25	170.06	3.571		
9,000.00	7,283.00	8,872.57	6,953.00	103.59	107.19	-57.07	2,036.79	4,538.49	606.99	432.93	174.06	3.487		
9,100.00	7,283.00	8,972.57	6,953.00	105.87	109.41	-57.05	2,036.58	4,638.49	606.67	428.58	178.09	3.407		
9,200.00	7,283.00	9,072.57	6,953.00	108.18	111.64	-57.03	2,036.37	4,738.49	606.36	424.21	182.14	3.329		
9,300.00	7,283.00	9,172.56	6,953.00	110.50	113.90	-57.01	2,036.16	4,838.49	606.04	419.82	186.22	3.254		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,400.00	7,283.00	9,272.56	6,953.00	112.84	116.18	-56.99	2,035.95	4,938.49	605.73	415.40	190.33	3.183		
9,500.00	7,283.00	9,372.56	6,953.00	115.19	118.47	-56.97	2,035.74	5,038.49	605.41	410.96	194.45	3.113		
9,600.00	7,283.00	9,472.56	6,953.00	117.56	120.78	-56.95	2,035.53	5,138.49	605.10	406.50	198.60	3.047		
9,700.00	7,283.00	9,572.56	6,953.00	119.95	123.11	-56.93	2,035.32	5,238.49	604.78	402.02	202.76	2.983		
9,800.00	7,283.00	9,672.56	6,953.00	122.34	125.45	-56.91	2,035.11	5,338.49	604.46	397.52	206.94	2.921		
9,900.00	7,283.00	9,772.56	6,953.00	124.76	127.81	-56.89	2,034.90	5,438.49	604.15	393.01	211.14	2.861		
10,000.00	7,283.00	9,872.56	6,953.00	127.18	130.18	-56.87	2,034.69	5,538.49	603.83	388.48	215.35	2.804		
10,100.00	7,283.00	9,972.56	6,953.00	129.61	132.57	-56.85	2,034.48	5,638.48	603.52	383.94	219.58	2.749		
10,200.00	7,283.00	10,072.56	6,953.00	132.06	134.97	-56.83	2,034.26	5,738.48	603.21	379.39	223.82	2.695		
10,300.00	7,283.00	10,172.56	6,953.00	134.52	137.38	-56.81	2,034.05	5,838.48	602.89	374.82	228.07	2.643		
10,400.00	7,283.00	10,272.56	6,953.00	136.98	139.80	-56.79	2,033.84	5,938.48	602.58	370.25	232.33	2.594		
10,500.00	7,283.00	10,372.56	6,953.00	139.46	142.23	-56.77	2,033.63	6,038.48	602.26	365.66	236.60	2.545		
10,600.00	7,283.00	10,472.56	6,953.00	141.94	144.67	-56.75	2,033.42	6,138.48	601.95	361.06	240.89	2.499		
10,700.00	7,283.00	10,572.56	6,953.00	144.44	147.12	-56.74	2,033.21	6,238.48	601.63	356.45	245.18	2.454		
10,800.00	7,283.00	10,672.55	6,953.00	146.94	149.58	-56.72	2,033.00	6,338.48	601.32	351.84	249.48	2.410		
10,900.00	7,283.00	10,772.55	6,953.00	149.45	152.05	-56.70	2,032.79	6,438.48	601.00	347.21	253.79	2.368		
11,000.00	7,283.00	10,872.55	6,953.00	151.96	154.53	-56.68	2,032.58	6,538.48	600.69	342.58	258.11	2.327		
11,100.00	7,283.00	10,972.55	6,953.00	154.49	157.02	-56.66	2,032.37	6,638.47	600.37	337.94	262.44	2.288		
11,200.00	7,283.00	11,072.55	6,953.00	157.01	159.51	-56.64	2,032.16	6,738.47	600.06	333.29	266.77	2.249		
11,300.00	7,283.00	11,172.55	6,953.00	159.55	162.01	-56.62	2,031.95	6,838.47	599.75	328.64	271.11	2.212		
11,400.00	7,283.00	11,272.55	6,953.00	162.09	164.52	-56.60	2,031.74	6,938.47	599.43	323.98	275.45	2.176		
11,500.00	7,283.00	11,372.55	6,953.00	164.64	167.03	-56.58	2,031.53	7,038.47	599.12	319.32	279.80	2.141		
11,600.00	7,283.00	11,472.55	6,953.00	167.19	169.56	-56.56	2,031.31	7,138.47	598.80	314.65	284.15	2.107		
11,700.00	7,283.00	11,572.55	6,953.00	169.75	172.08	-56.54	2,031.10	7,238.47	598.49	309.98	288.51	2.074		
11,800.00	7,283.00	11,672.55	6,953.00	172.31	174.62	-56.52	2,030.89	7,338.47	598.18	305.30	292.88	2.042		
11,900.00	7,283.00	11,772.55	6,953.00	174.88	177.15	-56.50	2,030.68	7,438.47	597.86	300.62	297.25	2.011		
12,000.00	7,283.00	11,872.55	6,953.00	177.45	179.70	-56.48	2,030.47	7,538.47	597.55	295.93	301.62	1.981		
12,100.00	7,283.00	11,972.55	6,953.00	180.03	182.25	-56.46	2,030.26	7,638.47	597.24	291.24	306.00	1.952		
12,200.00	7,283.00	12,072.54	6,953.00	182.61	184.80	-56.44	2,030.05	7,738.46	596.92	286.55	310.38	1.923		
12,300.00	7,283.00	12,172.54	6,953.00	185.19	187.36	-56.42	2,029.84	7,838.46	596.61	281.85	314.76	1.895		
12,400.00	7,283.00	12,272.54	6,953.00	187.78	189.92	-56.40	2,029.63	7,938.46	596.30	277.15	319.15	1.868		
12,500.00	7,283.00	12,372.54	6,953.00	190.37	192.49	-56.38	2,029.42	8,038.46	595.98	272.45	323.54	1.842		
12,600.00	7,283.00	12,472.54	6,953.00	192.97	195.06	-56.36	2,029.21	8,138.46	595.67	267.74	327.93	1.816		
12,700.00	7,283.00	12,572.54	6,953.00	195.57	197.64	-56.34	2,029.00	8,238.46	595.36	263.03	332.32	1.792		
12,800.00	7,283.00	12,672.54	6,953.00	198.17	200.22	-56.32	2,028.79	8,338.46	595.04	258.32	336.72	1.767		
12,900.00	7,283.00	12,772.54	6,953.00	200.77	202.80	-56.30	2,028.58	8,438.46	594.73	253.61	341.12	1.743		
13,000.00	7,283.00	12,872.54	6,953.00	203.38	205.39	-56.28	2,028.36	8,538.46	594.42	248.90	345.52	1.720		
13,100.00	7,283.00	12,972.54	6,953.00	205.99	207.98	-56.26	2,028.15	8,638.46	594.11	244.18	349.92	1.698		
13,200.00	7,283.00	13,072.54	6,953.00	208.61	210.57	-56.24	2,027.94	8,738.46	593.79	239.47	354.33	1.676		
13,300.00	7,283.00	13,172.54	6,953.00	211.22	213.17	-56.22	2,027.73	8,838.45	593.48	234.75	358.73	1.654		
13,400.00	7,283.00	13,272.54	6,953.00	213.84	215.77	-56.20	2,027.52	8,938.45	593.17	230.03	363.14	1.633		
13,500.00	7,283.00	13,372.54	6,953.00	216.47	218.37	-56.18	2,027.31	9,038.45	592.86	225.31	367.55	1.613		
13,600.00	7,283.00	13,472.53	6,953.00	219.09	220.98	-56.16	2,027.10	9,138.45	592.54	220.59	371.96	1.593		
13,700.00	7,283.00	13,572.53	6,953.00	221.72	223.59	-56.14	2,026.89	9,238.45	592.23	215.87	376.37	1.574		
13,800.00	7,283.00	13,672.53	6,953.00	224.34	226.20	-56.12	2,026.68	9,338.45	591.92	211.14	380.78	1.555		
13,900.00	7,283.00	13,772.53	6,953.00	226.97	228.81	-56.10	2,026.47	9,438.45	591.61	206.42	385.19	1.536		
14,000.00	7,283.00	13,872.53	6,953.00	229.61	231.43	-56.08	2,026.26	9,538.45	591.29	201.69	389.60	1.518		
14,100.00	7,283.00	13,972.53	6,953.00	232.24	234.05	-56.06	2,026.05	9,638.45	590.98	196.97	394.01	1.500 Level 3		
14,200.00	7,283.00	14,072.53	6,953.00	234.88	236.67	-56.03	2,025.84	9,738.45	590.67	192.24	398.43	1.483 Level 3		
14,300.00	7,283.00	14,172.53	6,953.00	237.52	239.29	-56.01	2,025.63	9,838.45	590.36	187.52	402.84	1.465 Level 3		
14,400.00	7,283.00	14,272.53	6,953.00	240.16	241.92	-55.99	2,025.42	9,938.44	590.05	182.79	407.26	1.449 Level 3		
14,500.00	7,283.00	14,372.53	6,953.00	242.80	244.54	-55.97	2,025.20	10,038.44	589.74	178.07	411.67	1.433 Level 3		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,600.00	7,283.00	14,472.53	6,953.00	245.44	247.17	-55.95	2,024.99	10,138.44	589.42	173.34	416.08	1.417	Level 3	
14,700.00	7,283.00	14,572.53	6,953.00	248.09	249.80	-55.93	2,024.78	10,238.44	589.11	168.61	420.50	1.401	Level 3	
14,800.00	7,283.00	14,672.53	6,953.00	250.74	252.44	-55.91	2,024.57	10,338.44	588.80	163.89	424.91	1.386	Level 3	
14,900.00	7,283.00	14,772.53	6,953.00	253.38	255.07	-55.89	2,024.36	10,438.44	588.49	159.16	429.33	1.371	Level 3	
15,000.00	7,283.00	14,872.52	6,953.00	256.03	257.71	-55.87	2,024.15	10,538.44	588.18	154.44	433.74	1.356	Level 3	
15,100.00	7,283.00	14,972.52	6,953.00	258.69	260.35	-55.85	2,023.94	10,638.44	587.87	149.71	438.16	1.342	Level 3	
15,200.00	7,283.00	15,072.52	6,953.00	261.34	262.99	-55.83	2,023.73	10,738.44	587.56	144.98	442.57	1.328	Level 3	
15,300.00	7,283.00	15,172.52	6,953.00	263.99	265.63	-55.81	2,023.52	10,838.44	587.24	140.26	446.98	1.314	Level 3	
15,400.00	7,283.00	15,272.52	6,953.00	266.65	268.27	-55.79	2,023.31	10,938.44	586.93	135.54	451.40	1.300	Level 3	
15,500.00	7,283.00	15,372.52	6,953.00	269.31	270.92	-55.77	2,023.10	11,038.43	586.62	130.81	455.81	1.287	Level 3	
15,600.00	7,283.00	15,472.52	6,953.00	271.96	273.57	-55.75	2,022.89	11,138.43	586.31	126.09	460.22	1.274	Level 3	
15,700.00	7,283.00	15,572.52	6,953.00	274.62	276.21	-55.73	2,022.68	11,238.43	586.00	121.37	464.63	1.261	Level 3	
15,800.00	7,283.00	15,672.52	6,953.00	277.28	278.86	-55.71	2,022.47	11,338.43	585.69	116.65	469.04	1.249	Level 2	
15,900.00	7,283.00	15,772.52	6,953.00	279.94	281.51	-55.69	2,022.25	11,438.43	585.38	111.92	473.45	1.236	Level 2	
16,000.00	7,283.00	15,872.52	6,953.00	282.61	284.17	-55.66	2,022.04	11,538.43	585.07	107.20	477.86	1.224	Level 2	
16,100.00	7,283.00	15,972.52	6,953.00	285.27	286.82	-55.64	2,021.83	11,638.43	584.76	102.48	482.27	1.213	Level 2	
16,200.00	7,283.00	16,072.52	6,953.00	287.94	289.47	-55.62	2,021.62	11,738.43	584.45	97.77	486.68	1.201	Level 2	
16,300.00	7,283.00	16,172.52	6,953.00	290.60	292.13	-55.60	2,021.41	11,838.43	584.14	93.05	491.09	1.189	Level 2	
16,400.00	7,283.00	16,272.51	6,953.00	293.27	294.79	-55.58	2,021.20	11,938.43	583.83	88.33	495.49	1.178	Level 2	
16,500.00	7,283.00	16,372.51	6,953.00	295.94	297.45	-55.56	2,020.99	12,038.42	583.52	83.62	499.90	1.167	Level 2	
16,600.00	7,283.00	16,472.51	6,953.00	298.60	300.10	-55.54	2,020.78	12,138.42	583.21	78.90	504.30	1.156	Level 2	
16,700.00	7,283.00	16,572.51	6,953.00	301.27	302.77	-55.52	2,020.57	12,238.42	582.90	74.19	508.71	1.146	Level 2	
16,800.00	7,283.00	16,672.51	6,953.00	303.94	305.43	-55.50	2,020.36	12,338.42	582.59	69.48	513.11	1.135	Level 2	
16,900.00	7,283.00	16,772.51	6,953.00	306.62	308.09	-55.48	2,020.15	12,438.42	582.28	64.76	517.51	1.125	Level 2	
17,000.00	7,283.00	16,872.51	6,953.00	309.29	310.75	-55.46	2,019.94	12,538.42	581.97	60.05	521.91	1.115	Level 2	
17,100.00	7,283.00	16,972.51	6,953.00	311.96	313.42	-55.43	2,019.73	12,638.42	581.66	55.35	526.31	1.105	Level 2	
17,200.00	7,283.00	17,072.51	6,953.00	314.63	316.08	-55.41	2,019.52	12,738.42	581.35	50.64	530.71	1.095	Level 2	
17,300.00	7,283.00	17,172.51	6,953.00	317.31	318.75	-55.39	2,019.30	12,838.42	581.04	45.93	535.11	1.086	Level 2	
17,400.00	7,283.00	17,272.51	6,953.00	319.98	321.42	-55.37	2,019.09	12,938.42	580.73	41.23	539.50	1.076	Level 2	
17,500.00	7,283.00	17,372.51	6,953.00	322.66	324.08	-55.35	2,018.88	13,038.42	580.42	36.52	543.90	1.067	Level 2	
17,600.00	7,283.00	17,472.51	6,953.00	325.34	326.75	-55.33	2,018.67	13,138.41	580.11	31.82	548.29	1.058	Level 2	
17,700.00	7,283.00	17,572.51	6,953.00	328.01	329.42	-55.31	2,018.46	13,238.41	579.80	27.12	552.68	1.049	Level 2	
17,800.00	7,283.00	17,672.51	6,953.00	330.69	332.09	-55.29	2,018.25	13,338.41	579.49	22.42	557.07	1.040	Level 2	
17,900.00	7,283.00	17,772.50	6,953.00	333.37	334.77	-55.27	2,018.04	13,438.41	579.18	17.72	561.46	1.032	Level 2	
18,000.00	7,283.00	17,872.50	6,953.00	336.05	337.44	-55.24	2,017.83	13,538.41	578.87	13.03	565.85	1.023	Level 2	
18,100.00	7,283.00	17,972.50	6,953.00	338.73	340.11	-55.22	2,017.62	13,638.41	578.56	8.33	570.23	1.015	Level 2	
18,200.00	7,283.00	18,072.50	6,953.00	341.41	342.78	-55.20	2,017.41	13,738.41	578.26	3.64	574.62	1.006	Level 2	
18,300.00	7,283.00	18,172.50	6,953.00	344.09	345.46	-55.18	2,017.20	13,838.41	577.95	-1.06	579.00	0.998	Level 1	
18,400.00	7,283.00	18,272.50	6,953.00	346.77	348.13	-55.16	2,016.99	13,938.41	577.64	-5.75	583.38	0.990	Level 1	
18,500.00	7,283.00	18,372.50	6,953.00	349.46	350.81	-55.14	2,016.78	14,038.41	577.33	-10.43	587.76	0.982	Level 1	
18,600.00	7,283.00	18,472.50	6,953.00	352.14	353.49	-55.12	2,016.57	14,138.41	577.02	-15.12	592.14	0.974	Level 1	
18,700.00	7,283.00	18,572.50	6,953.00	354.82	356.16	-55.10	2,016.35	14,238.40	576.71	-19.81	596.52	0.967	Level 1	
18,800.00	7,283.00	18,672.50	6,953.00	357.51	358.84	-55.07	2,016.14	14,338.40	576.40	-24.49	600.90	0.959	Level 1	
18,900.00	7,283.00	18,772.50	6,953.00	360.19	361.52	-55.05	2,015.93	14,438.40	576.10	-29.17	605.27	0.952	Level 1	
19,000.00	7,283.00	18,872.50	6,953.00	362.88	364.20	-55.03	2,015.72	14,538.40	575.79	-33.85	609.64	0.944	Level 1	
19,100.00	7,283.00	18,972.50	6,953.00	365.56	366.88	-55.01	2,015.51	14,638.40	575.48	-38.53	614.01	0.937	Level 1	
19,200.00	7,283.00	19,072.50	6,953.00	368.25	369.56	-54.99	2,015.30	14,738.40	575.17	-43.21	618.38	0.930	Level 1	
19,203.00	7,283.00	19,073.74	6,953.00	368.33	369.59	-54.99	2,015.30	14,739.65	575.16	-43.47	618.64	0.930	Level 1	
19,247.68	7,283.00	19,073.74	6,953.00	369.53	369.59	-54.99	2,015.30	14,739.65	576.90	-45.02	621.91	0.928	Level 1, ES, SF	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	90.00	0.00	20.07	20.07					
100.00	100.00	100.00	100.00	0.27	0.27	90.00	0.00	20.07	20.07	19.53	0.54	37.325		
200.00	200.00	200.00	200.00	0.63	0.63	90.00	0.00	20.07	20.07	18.82	1.25	15.996		
300.00	299.98	299.98	299.98	0.98	0.99	22.29	0.00	20.07	18.44	16.48	1.97	9.373		
400.00	399.84	399.35	399.33	1.34	1.34	28.19	0.34	21.76	15.37	12.70	2.67	5.751		
500.00	499.45	498.84	498.68	1.71	1.69	38.96	1.38	26.83	12.81	9.43	3.38	3.790		
600.00	598.70	598.44	597.90	2.10	2.05	56.00	3.11	35.29	11.32	7.20	4.12	2.747		
638.57	636.86	636.89	636.11	2.26	2.20	63.91	3.96	39.46	11.18	6.75	4.43	2.525 CC		
700.00	697.47	698.15	696.87	2.51	2.44	76.75	5.53	47.13	11.55	6.63	4.93	2.345 ES		
800.00	795.62	797.96	795.45	2.95	2.84	94.51	8.63	62.37	13.68	7.89	5.79	2.362		
900.00	893.06	897.86	893.53	3.43	3.28	106.28	12.43	80.97	17.26	10.57	6.69	2.579		
1,000.00	989.64	997.87	990.99	3.95	3.75	113.33	16.92	102.94	21.81	14.18	7.64	2.856		
1,100.00	1,085.27	1,097.97	1,087.69	4.52	4.26	117.42	22.09	128.26	27.06	18.42	8.64	3.131		
1,200.00	1,179.82	1,198.15	1,183.51	5.14	4.82	119.75	27.93	156.89	32.86	23.14	9.72	3.380		
1,300.00	1,273.17	1,298.43	1,278.34	5.81	5.43	120.99	34.45	188.82	39.16	28.26	10.89	3.595		
1,400.00	1,365.21	1,398.78	1,372.04	6.54	6.10	121.56	41.63	224.01	45.90	33.74	12.17	3.773		
1,500.00	1,455.84	1,499.22	1,464.50	7.33	6.83	121.68	49.48	262.43	53.09	39.53	13.55	3.917		
1,600.00	1,544.94	1,599.73	1,555.60	8.19	7.62	121.51	57.97	304.03	60.70	45.63	15.06	4.030		
1,700.00	1,632.39	1,700.31	1,645.21	9.12	8.49	121.15	67.10	348.77	68.72	52.02	16.70	4.114		
1,800.00	1,718.11	1,800.96	1,733.23	10.11	9.42	120.67	76.87	396.60	77.16	58.68	18.48	4.175		
1,900.00	1,801.97	1,901.68	1,819.53	11.18	10.43	120.09	87.25	447.46	86.01	65.60	20.41	4.214		
1,969.27	1,858.92	1,971.49	1,878.25	11.96	11.18	119.66	94.80	484.44	92.37	70.53	21.83	4.230		
2,000.00	1,883.98	2,002.47	1,904.02	12.31	11.52	119.42	98.24	501.30	95.17	72.68	22.49	4.232		
2,100.00	1,965.50	2,103.34	1,986.58	13.48	12.68	117.54	109.83	558.07	103.48	78.66	24.83	4.168		
2,200.00	2,047.03	2,203.37	2,066.80	14.65	13.90	114.56	121.79	616.62	111.01	83.62	27.39	4.053		
2,300.00	2,128.56	2,302.93	2,146.49	15.84	15.13	111.86	133.72	675.09	118.74	88.76	29.98	3.961		
2,400.00	2,210.09	2,402.48	2,226.18	17.03	16.38	109.50	145.66	733.55	126.70	94.13	32.57	3.890		
2,500.00	2,291.61	2,502.04	2,305.86	18.23	17.64	107.42	157.60	792.02	134.84	99.68	35.16	3.835		
2,600.00	2,373.14	2,601.59	2,385.55	19.44	18.90	105.58	169.53	850.49	143.15	105.40	37.74	3.793		
2,700.00	2,454.67	2,701.15	2,465.24	20.64	20.17	103.94	181.47	908.96	151.58	111.26	40.32	3.760		
2,800.00	2,536.20	2,800.70	2,544.92	21.86	21.45	102.47	193.41	967.43	160.12	117.24	42.88	3.734		
2,900.00	2,617.72	2,900.26	2,624.61	23.07	22.73	101.15	205.34	1,025.90	168.76	123.32	45.44	3.714		
3,000.00	2,699.25	2,999.81	2,704.30	24.29	24.01	99.96	217.28	1,084.37	177.48	129.49	47.99	3.698		
3,100.00	2,780.78	3,099.37	2,783.98	25.50	25.30	98.89	229.22	1,142.84	186.27	135.73	50.54	3.686		
3,200.00	2,862.31	3,198.92	2,863.67	26.73	26.59	97.91	241.15	1,201.31	195.11	142.04	53.08	3.676		
3,300.00	2,943.83	3,298.48	2,943.36	27.95	27.88	97.01	253.09	1,259.78	204.01	148.40	55.61	3.668		
3,400.00	3,025.36	3,398.03	3,023.05	29.17	29.18	96.19	265.03	1,318.25	212.96	154.82	58.14	3.663		
3,500.00	3,106.89	3,497.59	3,102.73	30.40	30.47	95.44	276.96	1,376.72	221.94	161.28	60.66	3.659		
3,600.00	3,188.42	3,597.14	3,182.42	31.62	31.77	94.74	288.90	1,435.19	230.96	167.78	63.18	3.655		
3,700.00	3,269.94	3,696.70	3,262.11	32.85	33.07	94.10	300.84	1,493.66	240.01	174.31	65.70	3.653		
3,800.00	3,351.47	3,796.25	3,341.79	34.07	34.37	93.51	312.77	1,552.13	249.09	180.88	68.21	3.652		
3,900.00	3,433.00	3,895.81	3,421.48	35.30	35.67	92.95	324.71	1,610.60	258.19	187.47	70.72	3.651		
4,000.00	3,514.53	3,995.36	3,501.17	36.53	36.97	92.44	336.65	1,669.07	267.31	194.09	73.22	3.651		
4,100.00	3,596.05	4,094.92	3,580.85	37.76	38.27	91.95	348.58	1,727.54	276.46	200.74	75.72	3.651		
4,200.00	3,677.58	4,194.47	3,660.54	38.99	39.58	91.50	360.52	1,786.00	285.62	207.40	78.22	3.651		
4,300.00	3,759.11	4,294.03	3,740.23	40.22	40.88	91.08	372.46	1,844.47	294.80	214.08	80.72	3.652		
4,400.00	3,840.64	4,393.58	3,819.92	41.45	42.19	90.68	384.39	1,902.94	304.00	220.78	83.21	3.653		
4,500.00	3,922.16	4,493.14	3,899.60	42.68	43.49	90.31	396.33	1,961.41	313.20	227.50	85.71	3.654		
4,600.00	4,003.69	4,592.69	3,979.29	43.91	44.80	89.95	408.27	2,019.88	322.42	234.23	88.20	3.656		
4,700.00	4,085.22	4,692.25	4,058.98	45.15	46.10	89.62	420.20	2,078.35	331.66	240.97	90.69	3.657		
4,800.00	4,166.75	4,791.80	4,138.66	46.38	47.41	89.31	432.14	2,136.82	340.90	247.72	93.18	3.659		
4,900.00	4,248.27	4,891.36	4,218.35	47.61	48.72	89.01	444.08	2,195.29	350.15	254.49	95.66	3.660		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,329.80	4,990.91	4,298.04	48.84	50.03	88.72	456.01	2,253.76	359.41	261.27	98.15	3.662		
5,100.00	4,411.33	5,090.47	4,377.73	50.08	51.33	88.46	467.95	2,312.23	368.68	268.05	100.63	3.664		
5,200.00	4,492.86	5,190.02	4,457.41	51.31	52.64	88.20	479.89	2,370.70	377.96	274.84	103.11	3.665		
5,300.00	4,574.38	5,289.58	4,537.10	52.54	53.95	87.96	491.82	2,429.17	387.24	281.65	105.60	3.667		
5,400.00	4,655.91	5,389.13	4,616.79	53.78	55.26	87.72	503.76	2,487.64	396.53	288.46	108.08	3.669		
5,500.00	4,737.44	5,488.68	4,696.47	55.01	56.57	87.50	515.70	2,546.11	405.83	295.27	110.56	3.671		
5,600.00	4,818.97	5,588.24	4,776.16	56.24	57.88	87.29	527.63	2,604.58	415.13	302.10	113.04	3.673		
5,700.00	4,900.49	5,687.79	4,855.85	57.48	59.19	87.09	539.57	2,663.05	424.44	308.93	115.51	3.674		
5,800.00	4,982.02	5,787.35	4,935.53	58.71	60.49	86.90	551.51	2,721.52	433.76	315.76	117.99	3.676		
5,900.00	5,063.55	5,886.90	5,015.22	59.95	61.80	86.71	563.44	2,779.99	443.07	322.60	120.47	3.678		
6,000.00	5,145.08	5,986.46	5,094.91	61.18	63.11	86.53	575.38	2,838.45	452.40	329.45	122.95	3.680		
6,100.00	5,226.60	6,086.01	5,174.60	62.42	64.42	86.36	587.32	2,896.92	461.72	336.30	125.42	3.681		
6,200.00	5,308.13	6,185.57	5,254.28	63.65	65.73	86.20	599.25	2,955.39	471.05	343.16	127.90	3.683		
6,300.00	5,389.66	6,285.12	5,333.97	64.89	67.05	86.04	611.19	3,013.86	480.39	350.02	130.37	3.685		
6,400.00	5,471.19	6,384.68	5,413.66	66.12	68.36	85.89	623.13	3,072.33	489.72	356.88	132.84	3.686		
6,500.00	5,552.72	6,484.23	5,493.34	67.36	69.67	85.74	635.06	3,130.80	499.06	363.75	135.32	3.688		
6,600.00	5,634.24	6,583.79	5,573.03	68.59	70.98	85.60	647.00	3,189.27	508.41	370.62	137.79	3.690		
6,700.00	5,715.77	6,683.34	5,652.72	69.83	72.29	85.47	658.94	3,247.74	517.75	377.49	140.26	3.691		
6,800.00	5,797.30	6,782.90	5,732.40	71.06	73.60	85.34	670.87	3,306.21	527.10	384.37	142.74	3.693		
6,900.00	5,878.83	6,882.45	5,812.09	72.30	74.91	85.21	682.81	3,364.68	536.46	391.25	145.21	3.694		
7,000.00	5,960.35	6,982.01	5,891.78	73.53	76.22	85.09	694.75	3,423.15	545.81	398.13	147.68	3.696		
7,100.00	6,041.88	7,081.56	5,971.47	74.77	77.53	84.97	706.68	3,481.62	555.17	405.02	150.15	3.697		
7,200.00	6,123.41	7,181.12	6,051.15	76.01	78.84	84.86	718.62	3,540.09	564.53	411.91	152.62	3.699		
7,300.00	6,204.94	7,280.67	6,130.84	77.24	80.16	84.75	730.55	3,598.56	573.89	418.80	155.09	3.700		
7,400.00	6,286.46	7,380.23	6,210.53	78.48	81.47	84.64	742.49	3,657.03	583.25	425.69	157.56	3.702		
7,500.00	6,367.99	7,479.78	6,290.21	79.71	82.78	84.54	754.43	3,715.50	592.62	432.59	160.03	3.703		
7,600.00	6,449.52	7,579.34	6,369.90	80.95	84.09	84.44	766.36	3,773.97	601.98	439.48	162.50	3.704		
7,700.00	6,531.05	7,678.89	6,449.59	82.19	85.40	84.34	778.30	3,832.44	611.35	446.38	164.97	3.706		
7,800.00	6,612.57	7,778.45	6,529.27	83.42	86.71	84.25	790.24	3,890.91	620.72	453.28	167.44	3.707		
7,900.00	6,694.10	7,878.00	6,608.96	84.66	88.03	84.16	802.17	3,949.37	630.10	460.19	169.91	3.708		
8,000.00	6,775.63	7,977.56	6,688.65	85.89	89.34	84.07	814.11	4,007.84	639.47	467.09	172.38	3.710		
8,100.00	6,857.16	8,050.00	6,746.03	87.13	90.31	83.92	822.72	4,051.19	649.87	475.87	173.99	3.735		
8,200.00	6,938.68	8,120.32	6,796.95	88.37	91.43	83.21	830.42	4,099.01	665.03	489.92	175.11	3.798		
8,300.00	7,020.21	8,181.12	6,836.02	89.60	92.52	82.09	836.39	4,145.18	685.66	510.48	175.19	3.914		
8,310.57	7,028.83	8,187.31	6,839.72	89.73	92.63	81.95	836.96	4,150.11	688.17	513.03	175.14	3.929		
8,350.00	7,060.23	8,210.28	6,852.99	90.25	93.08	78.61	839.01	4,168.75	697.39	522.43	174.96	3.986		
8,400.00	7,097.77	8,239.30	6,868.67	90.98	93.66	75.09	841.45	4,193.04	708.23	533.46	174.77	4.052		
8,450.00	7,132.48	8,268.21	6,883.06	91.79	94.27	72.22	843.71	4,218.01	718.04	543.41	174.63	4.112		
8,500.00	7,164.10	8,300.00	6,897.42	92.67	94.95	69.84	845.98	4,246.27	726.73	551.99	174.74	4.159		
8,550.00	7,192.40	8,325.79	6,907.92	93.63	95.53	67.98	847.67	4,269.76	734.19	559.67	174.52	4.207		
8,600.00	7,217.15	8,350.00	6,916.82	94.64	96.07	66.50	849.11	4,292.23	740.42	566.19	174.23	4.250		
8,650.00	7,238.16	8,383.14	6,927.45	95.70	96.84	65.31	850.87	4,323.57	745.29	570.59	174.69	4.266		
8,700.00	7,255.29	8,411.77	6,935.18	96.80	97.51	64.46	852.18	4,351.09	748.82	573.92	174.90	4.281		
8,750.00	7,268.39	8,450.00	6,943.36	97.92	98.41	63.89	853.63	4,388.40	751.08	575.12	175.96	4.268		
8,800.00	7,277.37	8,468.98	6,946.50	99.06	98.86	63.63	854.22	4,407.11	751.72	576.15	175.57	4.282		
8,850.00	7,282.15	8,500.00	6,950.31	100.20	99.60	63.62	854.98	4,437.88	751.08	574.82	176.26	4.261		
8,881.61	7,283.00	8,515.68	6,951.61	100.91	99.98	63.75	855.28	4,453.50	749.95	573.53	176.42	4.251		
8,900.00	7,283.00	8,526.22	6,952.25	101.33	100.23	63.79	855.45	4,464.03	749.22	572.60	176.63	4.242		
9,000.00	7,283.00	8,604.36	6,953.00	103.59	102.09	63.82	856.11	4,542.15	747.99	568.87	179.12	4.176		
9,100.00	7,283.00	8,704.35	6,953.00	105.87	104.48	63.80	856.81	4,642.14	747.51	564.08	183.43	4.075		
9,200.00	7,283.00	8,804.35	6,953.00	108.18	106.88	63.78	857.51	4,742.14	747.02	559.26	187.76	3.979		
9,300.00	7,283.00	8,904.35	6,953.00	110.50	109.30	63.77	858.22	4,842.13	746.54	554.41	192.13	3.886		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,400.00	7,283.00	9,004.35	6,953.00	112.84	111.73	63.75	858.92	4,942.13	746.06	549.54	196.51	3.796		
9,500.00	7,283.00	9,104.35	6,953.00	115.19	114.18	63.73	859.63	5,042.13	745.58	544.65	200.92	3.711		
9,600.00	7,283.00	9,204.35	6,953.00	117.56	116.63	63.71	860.33	5,142.12	745.09	539.74	205.35	3.628		
9,700.00	7,283.00	9,304.35	6,953.00	119.95	119.10	63.69	861.03	5,242.12	744.61	534.81	209.80	3.549		
9,800.00	7,283.00	9,404.34	6,953.00	122.34	121.58	63.67	861.74	5,342.11	744.13	529.86	214.27	3.473		
9,900.00	7,283.00	9,504.34	6,953.00	124.76	124.07	63.66	862.44	5,442.11	743.64	524.90	218.75	3.400		
10,000.00	7,283.00	9,604.34	6,953.00	127.18	126.57	63.64	863.14	5,542.11	743.16	519.92	223.25	3.329		
10,100.00	7,283.00	9,704.34	6,953.00	129.61	129.07	63.62	863.85	5,642.10	742.68	514.92	227.76	3.261		
10,200.00	7,283.00	9,804.34	6,953.00	132.06	131.59	63.60	864.55	5,742.10	742.20	509.91	232.29	3.195		
10,300.00	7,283.00	9,904.34	6,953.00	134.52	134.11	63.58	865.26	5,842.10	741.71	504.89	236.83	3.132		
10,400.00	7,283.00	10,004.34	6,953.00	136.98	136.64	63.56	865.96	5,942.09	741.23	499.86	241.38	3.071		
10,500.00	7,283.00	10,104.33	6,953.00	139.46	139.18	63.54	866.66	6,042.09	740.75	494.81	245.94	3.012		
10,600.00	7,283.00	10,204.33	6,953.00	141.94	141.72	63.53	867.37	6,142.08	740.27	489.76	250.51	2.955		
10,700.00	7,283.00	10,304.33	6,953.00	144.44	144.27	63.51	868.07	6,242.08	739.79	484.69	255.09	2.900		
10,800.00	7,283.00	10,404.33	6,953.00	146.94	146.83	63.49	868.78	6,342.08	739.30	479.62	259.69	2.847		
10,900.00	7,283.00	10,504.33	6,953.00	149.45	149.39	63.47	869.48	6,442.07	738.82	474.54	264.29	2.796		
11,000.00	7,283.00	10,604.33	6,953.00	151.96	151.96	63.45	870.18	6,542.07	738.34	469.45	268.89	2.746		
11,100.00	7,283.00	10,704.33	6,953.00	154.49	154.53	63.43	870.89	6,642.06	737.86	464.35	273.51	2.698		
11,200.00	7,283.00	10,804.32	6,953.00	157.01	157.11	63.41	871.59	6,742.06	737.38	459.24	278.13	2.651		
11,300.00	7,283.00	10,904.32	6,953.00	159.55	159.69	63.40	872.30	6,842.06	736.90	454.13	282.76	2.606		
11,400.00	7,283.00	11,004.32	6,953.00	162.09	162.27	63.38	873.00	6,942.05	736.41	449.01	287.40	2.562		
11,500.00	7,283.00	11,104.32	6,953.00	164.64	164.86	63.36	873.70	7,042.05	735.93	443.89	292.04	2.520		
11,600.00	7,283.00	11,204.32	6,953.00	167.19	167.46	63.34	874.41	7,142.04	735.45	438.76	296.69	2.479		
11,700.00	7,283.00	11,304.32	6,953.00	169.75	170.06	63.32	875.11	7,242.04	734.97	433.63	301.34	2.439		
11,800.00	7,283.00	11,404.32	6,953.00	172.31	172.66	63.30	875.82	7,342.04	734.49	428.49	306.00	2.400		
11,900.00	7,283.00	11,504.31	6,953.00	174.88	175.26	63.28	876.52	7,442.03	734.01	423.34	310.66	2.363		
12,000.00	7,283.00	11,604.31	6,953.00	177.45	177.87	63.26	877.22	7,542.03	733.53	418.20	315.33	2.326		
12,100.00	7,283.00	11,704.31	6,953.00	180.03	180.49	63.24	877.93	7,642.02	733.05	413.05	320.00	2.291		
12,200.00	7,283.00	11,804.31	6,953.00	182.61	183.10	63.23	878.63	7,742.02	732.56	407.89	324.67	2.256		
12,300.00	7,283.00	11,904.31	6,953.00	185.19	185.72	63.21	879.33	7,842.02	732.08	402.73	329.35	2.223		
12,400.00	7,283.00	12,004.31	6,953.00	187.78	188.34	63.19	880.04	7,942.01	731.60	397.57	334.03	2.190		
12,500.00	7,283.00	12,104.31	6,953.00	190.37	190.96	63.17	880.74	8,042.01	731.12	392.40	338.72	2.158		
12,600.00	7,283.00	12,204.30	6,953.00	192.97	193.59	63.15	881.45	8,142.00	730.64	387.24	343.41	2.128		
12,700.00	7,283.00	12,304.30	6,953.00	195.57	196.22	63.13	882.15	8,242.00	730.16	382.06	348.10	2.098		
12,800.00	7,283.00	12,404.30	6,953.00	198.17	198.85	63.11	882.85	8,342.00	729.68	376.89	352.79	2.068		
12,900.00	7,283.00	12,504.30	6,953.00	200.77	201.48	63.09	883.56	8,441.99	729.20	371.72	357.49	2.040		
13,000.00	7,283.00	12,604.30	6,953.00	203.38	204.12	63.07	884.26	8,541.99	728.72	366.54	362.18	2.012		
13,100.00	7,283.00	12,704.30	6,953.00	205.99	206.76	63.05	884.97	8,641.99	728.24	361.36	366.88	1.985		
13,200.00	7,283.00	12,804.30	6,953.00	208.61	209.40	63.03	885.67	8,741.98	727.76	356.18	371.58	1.959		
13,300.00	7,283.00	12,904.29	6,953.00	211.22	212.04	63.02	886.37	8,841.98	727.28	350.99	376.29	1.933		
13,400.00	7,283.00	13,004.29	6,953.00	213.84	214.68	63.00	887.08	8,941.97	726.80	345.81	380.99	1.908		
13,500.00	7,283.00	13,104.29	6,953.00	216.47	217.33	62.98	887.78	9,041.97	726.32	340.62	385.70	1.883		
13,600.00	7,283.00	13,204.29	6,953.00	219.09	219.97	62.96	888.49	9,141.97	725.84	335.43	390.41	1.859		
13,700.00	7,283.00	13,304.29	6,953.00	221.72	222.62	62.94	889.19	9,241.96	725.36	330.24	395.12	1.836		
13,800.00	7,283.00	13,404.29	6,953.00	224.34	225.27	62.92	889.89	9,341.96	724.88	325.05	399.83	1.813		
13,900.00	7,283.00	13,504.29	6,953.00	226.97	227.93	62.90	890.60	9,441.95	724.40	319.86	404.54	1.791		
14,000.00	7,283.00	13,604.28	6,953.00	229.61	230.58	62.88	891.30	9,541.95	723.92	314.67	409.25	1.769		
14,100.00	7,283.00	13,704.28	6,953.00	232.24	233.23	62.86	892.00	9,641.95	723.44	309.48	413.97	1.748		
14,200.00	7,283.00	13,804.28	6,953.00	234.88	235.89	62.84	892.71	9,741.94	722.96	304.28	418.68	1.727		
14,300.00	7,283.00	13,904.28	6,953.00	237.52	238.55	62.82	893.41	9,841.94	722.49	299.09	423.39	1.706		
14,400.00	7,283.00	14,004.28	6,953.00	240.16	241.21	62.80	894.12	9,941.93	722.01	293.90	428.11	1.686		
14,500.00	7,283.00	14,104.28	6,953.00	242.80	243.87	62.78	894.82	10,041.93	721.53	288.70	432.83	1.667		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,600.00	7,283.00	14,204.27	6,953.00	245.44	246.53	62.76	895.52	10,141.93	721.05	283.50	437.54	1.648		
14,700.00	7,283.00	14,304.27	6,953.00	248.09	249.19	62.74	896.23	10,241.92	720.57	278.31	442.26	1.629		
14,800.00	7,283.00	14,404.27	6,953.00	250.74	251.86	62.72	896.93	10,341.92	720.09	273.11	446.98	1.611		
14,900.00	7,283.00	14,504.27	6,953.00	253.38	254.52	62.70	897.64	10,441.91	719.61	267.92	451.70	1.593		
15,000.00	7,283.00	14,604.27	6,953.00	256.03	257.19	62.68	898.34	10,541.91	719.13	262.72	456.41	1.576		
15,100.00	7,283.00	14,704.27	6,953.00	258.69	259.86	62.66	899.04	10,641.91	718.65	257.52	461.13	1.558		
15,200.00	7,283.00	14,804.27	6,953.00	261.34	262.53	62.65	899.75	10,741.90	718.18	252.33	465.85	1.542		
15,300.00	7,283.00	14,904.26	6,953.00	263.99	265.20	62.63	900.45	10,841.90	717.70	247.13	470.57	1.525		
15,400.00	7,283.00	15,004.26	6,953.00	266.65	267.87	62.61	901.16	10,941.89	717.22	241.93	475.29	1.509		
15,500.00	7,283.00	15,104.26	6,953.00	269.31	270.54	62.59	901.86	11,041.89	716.74	236.74	480.00	1.493 Level 3		
15,600.00	7,283.00	15,204.26	6,953.00	271.96	273.21	62.57	902.56	11,141.89	716.26	231.54	484.72	1.478 Level 3		
15,700.00	7,283.00	15,304.26	6,953.00	274.62	275.88	62.55	903.27	11,241.88	715.79	226.35	489.44	1.462 Level 3		
15,800.00	7,283.00	15,404.26	6,953.00	277.28	278.56	62.53	903.97	11,341.88	715.31	221.15	494.16	1.448 Level 3		
15,900.00	7,283.00	15,504.26	6,953.00	279.94	281.23	62.51	904.68	11,441.88	714.83	215.96	498.87	1.433 Level 3		
16,000.00	7,283.00	15,604.25	6,953.00	282.61	283.91	62.49	905.38	11,541.87	714.35	210.76	503.59	1.419 Level 3		
16,100.00	7,283.00	15,704.25	6,953.00	285.27	286.58	62.47	906.08	11,641.87	713.88	205.57	508.31	1.404 Level 3		
16,200.00	7,283.00	15,804.25	6,953.00	287.94	289.26	62.45	906.79	11,741.86	713.40	200.38	513.02	1.391 Level 3		
16,300.00	7,283.00	15,904.25	6,953.00	290.60	291.94	62.43	907.49	11,841.86	712.92	195.18	517.74	1.377 Level 3		
16,400.00	7,283.00	16,004.25	6,953.00	293.27	294.62	62.41	908.19	11,941.86	712.44	189.99	522.45	1.364 Level 3		
16,500.00	7,283.00	16,104.25	6,953.00	295.94	297.30	62.39	908.90	12,041.85	711.97	184.80	527.17	1.351 Level 3		
16,600.00	7,283.00	16,204.25	6,953.00	298.60	299.98	62.37	909.60	12,141.85	711.49	179.61	531.88	1.338 Level 3		
16,700.00	7,283.00	16,304.24	6,953.00	301.27	302.66	62.35	910.31	12,241.84	711.01	174.42	536.59	1.325 Level 3		
16,800.00	7,283.00	16,404.24	6,953.00	303.94	305.34	62.33	911.01	12,341.84	710.53	169.23	541.30	1.313 Level 3		
16,900.00	7,283.00	16,504.24	6,953.00	306.62	308.02	62.31	911.71	12,441.84	710.06	164.04	546.02	1.300 Level 3		
17,000.00	7,283.00	16,604.24	6,953.00	309.29	310.70	62.29	912.42	12,541.83	709.58	158.85	550.73	1.288 Level 3		
17,100.00	7,283.00	16,704.24	6,953.00	311.96	313.39	62.27	913.12	12,641.83	709.10	153.67	555.44	1.277 Level 3		
17,200.00	7,283.00	16,804.24	6,953.00	314.63	316.07	62.24	913.83	12,741.82	708.63	148.48	560.15	1.265 Level 3		
17,300.00	7,283.00	16,904.24	6,953.00	317.31	318.76	62.22	914.53	12,841.82	708.15	143.30	564.85	1.254 Level 3		
17,400.00	7,283.00	17,004.23	6,953.00	319.98	321.44	62.20	915.23	12,941.82	707.67	138.11	569.56	1.242 Level 2		
17,500.00	7,283.00	17,104.23	6,953.00	322.66	324.13	62.18	915.94	13,041.81	707.20	132.93	574.27	1.231 Level 2		
17,600.00	7,283.00	17,204.23	6,953.00	325.34	326.81	62.16	916.64	13,141.81	706.72	127.75	578.97	1.221 Level 2		
17,700.00	7,283.00	17,304.23	6,953.00	328.01	329.50	62.14	917.35	13,241.80	706.25	122.57	583.68	1.210 Level 2		
17,800.00	7,283.00	17,404.23	6,953.00	330.69	332.19	62.12	918.05	13,341.80	705.77	117.39	588.38	1.200 Level 2		
17,900.00	7,283.00	17,504.23	6,953.00	333.37	334.87	62.10	918.75	13,441.80	705.29	112.21	593.09	1.189 Level 2		
18,000.00	7,283.00	17,604.23	6,953.00	336.05	337.56	62.08	919.46	13,541.79	704.82	107.03	597.79	1.179 Level 2		
18,100.00	7,283.00	17,704.22	6,953.00	338.73	340.25	62.06	920.16	13,641.79	704.34	101.85	602.49	1.169 Level 2		
18,200.00	7,283.00	17,804.22	6,953.00	341.41	342.94	62.04	920.87	13,741.78	703.87	96.68	607.19	1.159 Level 2		
18,300.00	7,283.00	17,904.22	6,953.00	344.09	345.63	62.02	921.57	13,841.78	703.39	91.50	611.89	1.150 Level 2		
18,400.00	7,283.00	18,004.22	6,953.00	346.77	348.32	62.00	922.27	13,941.78	702.91	86.33	616.58	1.140 Level 2		
18,500.00	7,283.00	18,104.22	6,953.00	349.46	351.01	61.98	922.98	14,041.77	702.44	81.16	621.28	1.131 Level 2		
18,600.00	7,283.00	18,204.22	6,953.00	352.14	353.70	61.96	923.68	14,141.77	701.96	75.99	625.97	1.121 Level 2		
18,700.00	7,283.00	18,304.22	6,953.00	354.82	356.39	61.94	924.38	14,241.77	701.49	70.82	630.67	1.112 Level 2		
18,800.00	7,283.00	18,404.21	6,953.00	357.51	359.08	61.92	925.09	14,341.76	701.01	65.65	635.36	1.103 Level 2		
18,900.00	7,283.00	18,504.21	6,953.00	360.19	361.77	61.90	925.79	14,441.76	700.54	60.49	640.05	1.095 Level 2		
19,000.00	7,283.00	18,604.21	6,953.00	362.88	364.47	61.88	926.50	14,541.75	700.06	55.32	644.74	1.086 Level 2		
19,100.00	7,283.00	18,704.21	6,953.00	365.56	367.16	61.85	927.20	14,641.75	699.59	50.16	649.43	1.077 Level 2		
19,200.00	7,283.00	18,804.21	6,953.00	368.25	369.85	61.83	927.90	14,741.75	699.11	45.00	654.12	1.069 Level 2		
19,247.68	7,283.00	18,851.88	6,953.00	369.53	371.14	61.82	928.24	14,789.42	698.89	42.54	656.35	1.065 Level 2, SF		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB 25' @ 5136.00usft

Offset Depths are relative to Offset Datum

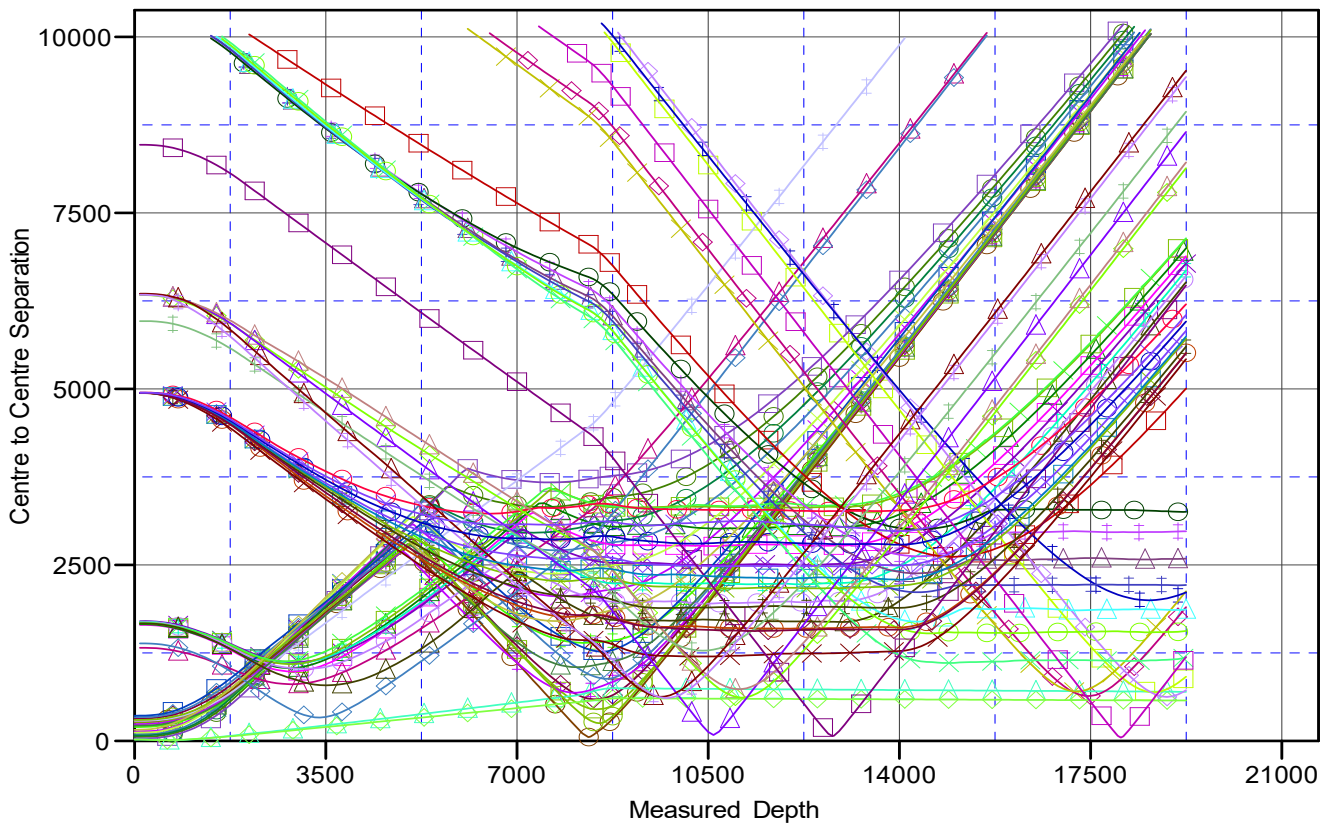
Central Meridian is 105.500000°W

Coordinates are relative to: JESSER EAST 3E-20-02

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.33°

Ladder Plot



LEGEND

JESSER 3E-10-6C, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	EXIST HZFLASCHENRIEM2, OMB, FINAL SURVEY V0	CITOTRUST 1E-10-3C, ORIGINAL WELLBORE, WB#1 - ENSIGN 147 V0
JESSER 3E-10-18N, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	EXIST HZFLASCHENRIEM7, OMB, FINAL SURVEY V0	CITOTRUST 1E-10-2N, ORIGINAL WELLBORE, WB#1 - ENSIGN 147 V0
JESSER 3E-10-3N, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	EXIST JESSERUSX S 3-4J, Wellbore#1, Design#1 V0	EXIST VERT QUARTER CIRCLE 1, Wellbore#1, Design#1 V0
JESSER 3E-10-14C, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	JESSER 3E-10-8N, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	SRC VISTA 44-2N-C, Wellbore#1, Wellbore#1 V0
JESSER 3E-10-12N, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	JESSER 3E-10-1N, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	EXIST DDAVEX 22-2D, Wellbore#1, Wellbore#1 V0
JESSER 3E-10-9C, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	JESSER 3E-10-4N, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	SRC VISTA 43-2N-A, Wellbore#1, Wellbore#1 V0
EXIST HZFLASCHENRIEM4, OMB, FINAL SURVEY V0	JESSER 3E-10-11N, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	SRC VISTA D-2N-A, Wellbore#1, Wellbore#1 V0
JESSER 3E-10-13N, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	EXIST HZFLASCHENRIEM1, OMB, FINAL SURVEY V0	SRC VISTA D-2N-C, Wellbore#1, Wellbore#1 V0
JESSER 3E-10-2C, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	EXIST HZFLASCHENRIEM3, OMB, FINAL SURVEY V0	SRC VISTA S-2N-C, Wellbore#1, Wellbore#1 V0
JESSER 3E-10-15N, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	EXIST HZFLASCHENRIEM5, OMB, FINAL SURVEY V0	ABND VERT AVEEX 2A, Wellbore#1, Design#1 V0
EXIST HZFLASCHENRIEM3, OMB, FINAL SURVEY V0	JESSER EAST 3E-20-03, OMB, PROPOSAL 1 V0	EXIST DDAVEX 21-2D, Wellbore#1, Wellbore#1 V0
JESSER EAST 3E-20-03, OMB, PROPOSAL 1 V0	JESSER 3E-10-17C, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	SRC VISTA 43-2N-C, Wellbore#1, Wellbore#1 V0
EXIST HZFLASCHENRIEM5, OMB, FINAL SURVEY V0	JESSER 3E-10-2C, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	ABND VERT SEALOCK 1, Wellbore#1, Design#1 V0
JESSER EAST 3E-20-03, OMB, PROPOSAL 1 V0	EXIST HZFLASCHENRIEM6, OMB, FINAL SURVEY V0	EXIST DDAVEX 11-2D, Wellbore#1, Wellbore#1 V0
JESSER 3E-10-5N, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	JESSER EAST 3E-20-01, OMB, PROPOSAL 1 V0	EXIST DDAVEX 12-2D, Wellbore#1, Wellbore#1 V0
EXIST HZFLASCHENRIEM6, OMB, FINAL SURVEY V0	JESSER EAST 3E-20-01, OMB, PROPOSAL 1 V0	SRC VISTA D-2C, Wellbore#1, Wellbore#1 V0
JESSER EAST 3E-20-01, OMB, PROPOSAL 1 V0	EXIST JESSERUSX S 3-11, Wellbore#1, Design#1 V0	SRC VISTA 44-2N-A, Wellbore#1, Wellbore#1 V0
EXIST JESSERUSX S 3-11, Wellbore#1, Design#1 V0	EXIST JESSERUSX S 3-12, Wellbore#1, Design#1 V0	SRC VISTA 43-2C, Wellbore#1, Wellbore#1 V0
EXIST JESSERUSX S 3-12, Wellbore#1, Design#1 V0		SRC VISTA 44-2C, Wellbore#1, Wellbore#1 V0

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

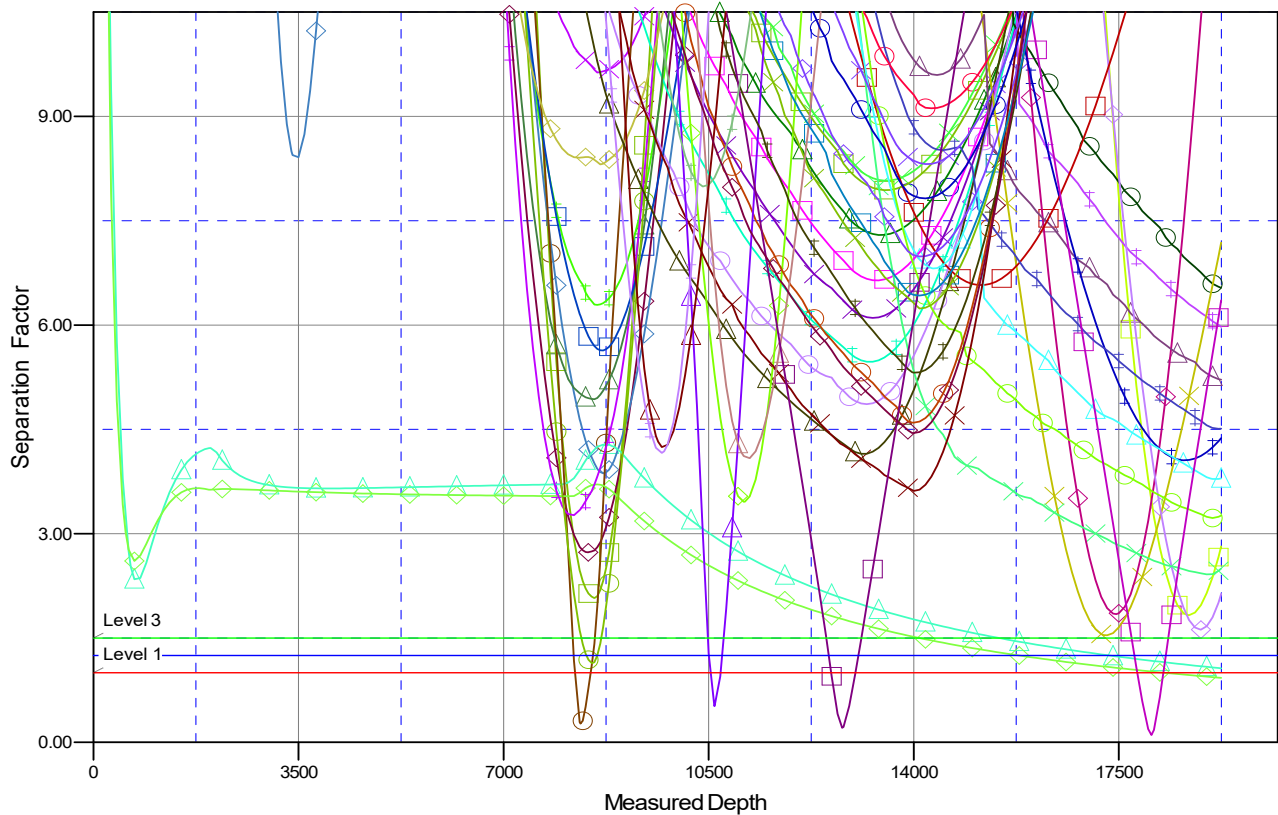
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 5136.00usft
Reference Site:	Sec 3-T4N-R68W	MD Reference:	KB 25' @ 5136.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	JESSER EAST 3E-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB 25' @ 5136.00usft
 Offset Depths are relative to Offset Datum
 Central Meridian is 105.500000°W

Coordinates are relative to: JESSER EAST 3E-20-02
 Coordinate System is US State Plane 1983, Colorado Northern Zone
 Grid Convergence at Surface is: 0.33°

Separation Factor Plot



LEGEND

JESSER 3E-10-6C, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	EXIST HZFLASCHENRIEM2, OMB, FINAL SURVEY V0	CITOTRUST 1E-10-3C, ORIGINAL WELLBORE, WB#1 - ENSIGN 107 V0
JESSER 3E-10-6N, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	EXIST HZFLASCHENRIEM7, OMB, FINAL SURVEY V0	CITOTRUST 1E-10-2N, ORIGINAL WELLBORE, WB#1 - ENSIGN 107 V0
JESSER 3E-10-8N, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	EXIST JESSERUSX S 3-5, Wellbore#1, Design#1 V0	EXIST VERT QUARTER CIRCLE 1, Wellbore#1, Design#1 V0
JESSER 3E-10-14C, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	JESSER 3E-10-8N, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	SRC VISTA 44-2N-A, Wellbore#1, Wellbore#1 V0
JESSER 3E-10-12N, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	JESSER 3E-10-1N, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	EXIST DDAVEX 22-2D, Wellbore#1, Wellbore#1 V0
JESSER 3E-10-6C, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	JESSER 3E-10-4N, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	SRC VISTA 43-2N-A, Wellbore#1, Wellbore#1 V0
EXIST HZFLASCHENRIEM4, OMB, FINAL SURVEY V0	JESSER 3E-10-11N, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	SRC VISTA D-2N-A, Wellbore#1, Wellbore#1 V0
JESSER 3E-10-13N, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	EXIST HZFLASCHENRIEM1, OMB, FINAL SURVEY V0	SRC VISTA D-2N-C, Wellbore#1, Wellbore#1 V0
JESSER 3E-10-2C, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	EXIST HZFLASCHENRIEM5, OMB, FINAL SURVEY V0	SRC VISTA S-2N-C, Wellbore#1, Wellbore#1 V0
JESSER 3E-10-15N, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	EXIST VERT QUARTER CIRCLE S 01-01J, Wellbore#1, Design#1 V0	ABND VERT AVEEX 2A, Wellbore#1, Design#1 V0
EXIST HZFLASCHENRIEM3, OMB, FINAL SURVEY V0	CITOTRUST 1E-10-6C, ORIGINAL WELLBORE, WB#1 - ENSIGN 107 V0	EXIST DDAVEX 21-2D, Wellbore#1, Wellbore#1 V0
JESSER 3E-10-17C, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	CITOTRUST 1E-10-7N, ORIGINAL WELLBORE, WB#1 - ENSIGN 107 V0	SRC VISTA 43-2N-C, Wellbore#1, Wellbore#1 V0
EXIST HZFLASCHENRIEM5, OMB, FINAL SURVEY V0	EXIST DDQUARTER CIRCLE S 1-7JL, Wellbore#1, Wellbore#1 V0	ABND VERT SEALOCK 1, Wellbore#1, Design#1 V0
JESSER EAST 3E-20-03, OMB, PROPOSAL 1 V0	SI MASSTY 1-218, Wellbore#1, Design#1 V0	EXIST DDSRC PRATT 2KQ OMB, FINAL SURVEY V0
JESSER 3E-10-6N, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	CITOTRUST 1E-10-9N, ORIGINAL WELLBORE, WB#1 - ENSIGN 107 V0	EXIST DDAVEX 11-2D, Wellbore#1, Wellbore#1 V0
EXIST HZFLASCHENRIEM6, OMB, FINAL SURVEY V0	EXIST DDQUARTER CIRCLE S 1-8JL, Wellbore#1, Wellbore#1 V0	EXIST DDAVEX 13-2D, Wellbore#1, Wellbore#1 V0
JESSER EAST 3E-20-01, OMB, PROPOSAL 1 V0	CITOTRUST 1E-10-1N, ORIGINAL WELLBORE, WB#1 - ENSIGN 107 V0	SRC VISTA D-2C, Wellbore#1, Wellbore#1 V0
JESSER 3E-10-7N, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	SI QUARTER CIRCLE 1-918, Wellbore#1, Design#1 V0	SRC VISTA 44-2N-A, Wellbore#1, Wellbore#1 V0
EXIST JESSERUSX S 3-11, Wellbore#1, Design#1 V0	ABND VERT ABRAMS 1, Wellbore#1, Design#1 V0	SRC VISTA 43-2C, Wellbore#1, Wellbore#1 V0
EXIST JESSERUSX S 3-12, Wellbore#1, Design#1 V0	CITOTRUST 1E-10-4N, ORIGINAL WELLBORE, WB#1 - ENSIGN 107 V0	SRC VISTA 44-2C, Wellbore#1, Wellbore#1 V0

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