

EXTRACTION OIL & GAS

WELD COUNTY

Sec 3-T4N-R68W

JESSER EAST 3E-20-01

OWB

PROPOSAL 1

Anticollision Report

28 November, 2023

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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	19,073.74	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	14,861.38	6,795.00	3,104.25	2,713.46	7.943	CC
ABND VERT ABRAMS 1 - Wellbore #1 - Design #1	14,900.00	6,795.00	3,104.49	2,713.16	7.933	ES
ABND VERT ABRAMS 1 - Wellbore #1 - Design #1	15,100.00	6,795.00	3,113.41	2,719.91	7.912	SF
CITO TRUST 1E-10-1N - ORIGINAL WELLBORE - WB #	14,234.00	6,595.15	1,507.37	1,252.30	5.909	CC
CITO TRUST 1E-10-1N - ORIGINAL WELLBORE - WB #	18,900.00	11,474.05	1,632.16	1,150.34	3.387	ES
CITO TRUST 1E-10-1N - ORIGINAL WELLBORE - WB #	19,000.00	11,516.00	1,637.41	1,153.64	3.385	SF
CITO TRUST 1E-10-2N - ORIGINAL WELLBORE - WB #	14,235.30	6,465.53	1,886.99	1,635.97	7.517	CC
CITO TRUST 1E-10-2N - ORIGINAL WELLBORE - WB #	18,916.42	11,500.00	1,993.32	1,504.86	4.081	ES
CITO TRUST 1E-10-2N - ORIGINAL WELLBORE - WB #	19,000.00	11,500.00	1,995.07	1,505.69	4.077	SF
CITO TRUST 1E-10-3C - ORIGINAL WELLBORE - WB #	14,229.93	6,423.55	2,047.44	1,797.10	8.179	CC, ES
CITO TRUST 1E-10-3C - ORIGINAL WELLBORE - WB #	19,073.74	11,976.00	2,357.81	1,869.33	4.827	SF
CITO TRUST 1E-10-4N - ORIGINAL WELLBORE - WB #	14,231.93	6,210.89	2,428.68	2,185.48	9.986	CC
CITO TRUST 1E-10-4N - ORIGINAL WELLBORE - WB #	19,000.00	11,824.00	2,669.06	2,176.07	5.414	ES
CITO TRUST 1E-10-4N - ORIGINAL WELLBORE - WB #	19,073.74	11,824.00	2,670.70	2,176.46	5.404	SF
CITO TRUST 1E-10-5N - ORIGINAL WELLBORE - WB #	14,207.53	6,200.24	2,693.67	2,449.64	11.039	CC, ES
CITO TRUST 1E-10-5N - ORIGINAL WELLBORE - WB #	19,073.74	12,141.00	3,062.52	2,566.97	6.180	SF
CITO TRUST 1E-10-6C - ORIGINAL WELLBORE - WB #	14,273.76	6,050.04	2,921.89	2,680.23	12.091	CC
CITO TRUST 1E-10-6C - ORIGINAL WELLBORE - WB #	14,300.00	6,048.97	2,922.01	2,680.19	12.083	ES
CITO TRUST 1E-10-6C - ORIGINAL WELLBORE - WB #	19,073.74	12,324.94	3,464.56	2,970.62	7.014	SF
CITO TRUST 1E-10-7N - ORIGINAL WELLBORE - WB #	14,252.88	5,758.72	3,272.44	3,040.33	14.099	CC
CITO TRUST 1E-10-7N - ORIGINAL WELLBORE - WB #	14,300.00	5,757.95	3,272.78	3,040.32	14.079	ES
CITO TRUST 1E-10-7N - ORIGINAL WELLBORE - WB #	19,073.74	12,315.00	3,711.62	3,212.78	7.440	SF
EXIST DD QUARTER CIRCLE S 1-7JI - Wellbore #1 - W	17,300.00	6,820.53	1,118.46	772.24	3.231	SF
EXIST DD QUARTER CIRCLE S 1-7JI - Wellbore #1 - W	17,331.86	6,820.46	1,118.00	771.99	3.231	CC, ES
EXIST DD QUARTER CIRCLE S 1-8JI - Wellbore #1 - W	18,768.33	6,857.62	1,100.75	713.88	2.845	CC, ES, SF
EXIST VERT QUARTER CIRCLE 1 - Wellbore #1 - Desig	17,900.00	6,731.00	525.86	53.31	1.113	Level 2, ES, SF
EXIST VERT QUARTER CIRCLE 1 - Wellbore #1 - Desig	17,928.17	6,731.00	525.11	53.36	1.113	Level 2, CC
EXIST VERT QUARTER CIRCLE S 01-01JI - Wellbore #	18,521.83	6,730.00	219.64	-157.03	0.583	Level 1, CC, ES, SF
SI MASSTY 1-218 - Wellbore #1 - Design #1	17,112.30	6,720.00	225.01	-224.58	0.500	Level 1, CC, ES, SF
SI QUARTER CIRCLE 1-918 - Wellbore #1 - Design #1	18,449.04	6,769.00	2,472.69	1,986.15	5.082	CC, ES
SI QUARTER CIRCLE 1-918 - Wellbore #1 - Design #1	18,500.00	6,769.00	2,473.22	1,986.16	5.078	SF

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

Civitas Resources

Anticollision Report

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Reference Well:	JESSER EAST 3E-20-01	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

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	10,400.00	6,833.00	423.05	256.93	2.547	SF
ABND VERT AVEX 2A - Wellbore #1 - Design #1	10,469.00	6,833.00	417.39	254.00	2.555	CC, ES
ABND VERT SEALOCK 1 - Wellbore #1 - Design #1	12,649.54	6,798.00	424.18	92.05	1.277	Level 3, CC, ES, SF
EXIST DD AVEX 11-2D - Wellbore #1 - Wellbore #1	9,541.63	6,919.85	104.03	-41.15	0.717	Level 1, CC, ES, SF
EXIST DD AVEX 12-2D - Wellbore #1 - Wellbore #1	9,600.00	6,801.00	1,074.51	928.03	7.336	SF
EXIST DD AVEX 12-2D - Wellbore #1 - Wellbore #1	9,665.32	6,801.00	1,072.52	926.87	7.363	CC, ES
EXIST DD AVEX 21-2D - Wellbore #1 - Wellbore #1	10,916.72	6,865.65	213.78	38.71	1.221	Level 2, CC, ES, SF
EXIST DD AVEX 22-2D - Wellbore #1 - Wellbore #1	10,964.77	6,755.09	1,076.23	900.60	6.128	CC, ES, SF
EXIST DD SRC PRATT 2KD - OWB - FINAL SURVEY	10,275.22	7,100.00	1,814.87	1,655.00	11.352	CC, ES
EXIST DD SRC PRATT 2KD - OWB - FINAL SURVEY	10,300.00	7,100.00	1,815.04	1,655.06	11.345	SF
SRC VISTA 43-2C - Wellbore #1 - Wellbore #1	11,234.00	9,083.88	2,094.72	1,877.91	9.662	CC
SRC VISTA 43-2C - Wellbore #1 - Wellbore #1	13,849.98	11,700.00	2,104.38	1,752.85	5.986	ES
SRC VISTA 43-2C - Wellbore #1 - Wellbore #1	13,900.00	11,700.00	2,104.97	1,753.14	5.983	SF
SRC VISTA 43-2N-A - Wellbore #1 - Wellbore #1	11,819.24	9,374.53	2,073.18	1,824.44	8.334	CC
SRC VISTA 43-2N-A - Wellbore #1 - Wellbore #1	13,854.04	11,410.00	2,080.63	1,724.69	5.845	ES
SRC VISTA 43-2N-A - Wellbore #1 - Wellbore #1	13,900.00	11,410.00	2,081.14	1,724.90	5.842	SF
SRC VISTA 43-2N-C - Wellbore #1 - Wellbore #1	13,854.68	11,615.00	2,392.18	2,037.13	6.738	CC
SRC VISTA 43-2N-C - Wellbore #1 - Wellbore #1	13,900.00	11,615.00	2,392.61	2,037.12	6.730	ES, SF
SRC VISTA 44-2C - Wellbore #1 - Wellbore #1	5,968.50	4,439.73	3,340.72	3,257.90	40.336	CC
SRC VISTA 44-2C - Wellbore #1 - Wellbore #1	13,900.00	11,854.00	3,487.77	3,131.80	9.798	ES
SRC VISTA 44-2C - Wellbore #1 - Wellbore #1	14,200.00	11,854.00	3,503.63	3,143.80	9.737	SF
SRC VISTA 44-2N-A - Wellbore #1 - Wellbore #1	6,410.95	4,948.62	3,186.50	3,095.97	35.197	CC
SRC VISTA 44-2N-A - Wellbore #1 - Wellbore #1	13,900.00	11,550.00	3,263.29	2,905.72	9.126	ES
SRC VISTA 44-2N-A - Wellbore #1 - Wellbore #1	14,100.00	11,550.00	3,271.58	2,911.48	9.085	SF
SRC VISTA 44-2N-C - Wellbore #1 - Wellbore #1	5,839.50	4,335.27	3,487.71	3,406.18	42.782	CC
SRC VISTA 44-2N-C - Wellbore #1 - Wellbore #1	5,900.00	4,354.50	3,488.12	3,405.78	42.367	ES
SRC VISTA 44-2N-C - Wellbore #1 - Wellbore #1	14,300.00	11,791.00	3,797.66	3,435.04	10.473	SF
SRC VISTA D-2C - Wellbore #1 - Wellbore #1	13,861.14	11,728.00	2,805.79	2,451.86	7.928	CC
SRC VISTA D-2C - Wellbore #1 - Wellbore #1	13,900.00	11,728.00	2,806.06	2,451.61	7.917	ES
SRC VISTA D-2C - Wellbore #1 - Wellbore #1	14,000.00	11,728.00	2,809.22	2,453.74	7.902	SF
SRC VISTA D-2N-A - Wellbore #1 - Wellbore #1	12,348.05	10,048.71	2,649.24	2,372.14	9.561	CC
SRC VISTA D-2N-A - Wellbore #1 - Wellbore #1	14,000.00	11,559.00	2,688.53	2,330.07	7.500	ES, SF
SRC VISTA D-2N-C - Wellbore #1 - Wellbore #1	6,663.04	5,186.71	2,972.24	2,878.75	31.791	CC
SRC VISTA D-2N-C - Wellbore #1 - Wellbore #1	13,900.00	11,629.00	2,989.49	2,633.03	8.387	ES
SRC VISTA D-2N-C - Wellbore #1 - Wellbore #1	14,100.00	11,629.00	2,998.67	2,640.13	8.363	SF
SRC VISTA S-2N-C - Wellbore #1 - Wellbore #1	9,226.06	6,918.27	1,714.11	1,582.01	12.975	CC
SRC VISTA S-2N-C - Wellbore #1 - Wellbore #1	13,900.00	11,607.23	1,782.29	1,428.25	5.034	ES, SF

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 3-T4N-R68W						
EXIST HZ FLASCHENRIEM 1 - OWB - FINAL SURVEY	2,904.45	2,130.68	992.72	966.63	38.054	CC, ES
EXIST HZ FLASCHENRIEM 1 - OWB - FINAL SURVEY	13,300.00	15,567.00	2,891.48	2,470.31	6.865	SF
EXIST HZ FLASCHENRIEM 2 - OWB - FINAL SURVEY	3,000.00	2,258.46	943.34	914.98	33.270	CC
EXIST HZ FLASCHENRIEM 2 - OWB - FINAL SURVEY	3,004.45	2,261.06	943.34	914.92	33.189	ES
EXIST HZ FLASCHENRIEM 2 - OWB - FINAL SURVEY	13,300.00	15,889.00	2,892.45	2,472.32	6.885	SF
EXIST HZ FLASCHENRIEM 3 - OWB - FINAL SURVEY	2,970.35	2,257.00	889.01	861.14	31.897	CC
EXIST HZ FLASCHENRIEM 3 - OWB - FINAL SURVEY	3,000.00	2,276.26	889.28	860.92	31.354	ES
EXIST HZ FLASCHENRIEM 3 - OWB - FINAL SURVEY	13,200.00	15,655.00	2,582.39	2,163.51	6.165	SF
EXIST HZ FLASCHENRIEM 4 - OWB - FINAL SURVEY	3,030.11	2,342.64	835.43	806.09	28.476	CC, ES
EXIST HZ FLASCHENRIEM 4 - OWB - FINAL SURVEY	13,200.00	15,741.00	2,341.66	1,924.35	5.611	SF
EXIST HZ FLASCHENRIEM 5 - OWB - FINAL SURVEY	3,129.01	2,397.22	959.46	928.12	30.611	CC
EXIST HZ FLASCHENRIEM 5 - OWB - FINAL SURVEY	3,200.00	2,453.44	960.51	927.84	29.402	ES
EXIST HZ FLASCHENRIEM 5 - OWB - FINAL SURVEY	13,100.00	15,247.00	2,029.61	1,612.91	4.871	SF
EXIST HZ FLASCHENRIEM 6 - OWB - FINAL SURVEY	3,053.95	2,269.35	948.18	920.37	34.089	CC
EXIST HZ FLASCHENRIEM 6 - OWB - FINAL SURVEY	3,100.00	2,309.93	948.50	919.81	33.054	ES
EXIST HZ FLASCHENRIEM 6 - OWB - FINAL SURVEY	13,100.00	15,347.00	1,808.27	1,402.32	4.454	SF
EXIST HZ FLASCHENRIEM 7 - OWB - FINAL SURVEY	3,330.54	2,655.44	848.18	812.44	23.730	CC
EXIST HZ FLASCHENRIEM 7 - OWB - FINAL SURVEY	3,400.00	2,707.74	849.51	812.36	22.870	ES
EXIST HZ FLASCHENRIEM 7 - OWB - FINAL SURVEY	13,000.00	15,002.00	1,514.08	1,107.82	3.727	SF
EXIST HZ FLASCHENRIEM 8 - OWB - FINAL SURVEY	3,597.93	2,993.65	590.50	547.86	13.849	CC
EXIST HZ FLASCHENRIEM 8 - OWB - FINAL SURVEY	3,600.00	2,995.27	590.50	547.82	13.834	ES
EXIST HZ FLASCHENRIEM 8 - OWB - FINAL SURVEY	13,000.00	15,127.00	1,257.81	863.22	3.188	SF
EXIST JESSER USX S 3-11 - Wellbore #1 - Design #1	2,598.97	2,289.86	923.72	894.98	32.141	CC
EXIST JESSER USX S 3-11 - Wellbore #1 - Design #1	2,600.00	2,290.68	923.72	894.96	32.123	ES
EXIST JESSER USX S 3-11 - Wellbore #1 - Design #1	3,300.00	2,843.59	1,018.86	981.27	27.102	SF
EXIST JESSER USX S 3-12 - Wellbore #1 - Design #1	100.00	90.00	273.71	273.29	661.070	CC, ES
EXIST JESSER USX S 3-12 - Wellbore #1 - Design #1	1,300.00	1,255.21	509.82	500.61	55.354	SF
EXIST JESSER USX S 3-6 - Wellbore #1 - Design #1	3,279.27	2,828.22	179.14	139.76	4.549	CC, ES
EXIST JESSER USX S 3-6 - Wellbore #1 - Design #1	3,300.00	2,844.59	179.59	139.96	4.532	SF
JESSER 3E-10-11N - ORIGINAL WELLBORE - WB #1 -	0.00	3.92	139.68			
JESSER 3E-10-11N - ORIGINAL WELLBORE - WB #1 -	8,550.00	11,885.00	2,339.59	2,114.25	10.383	SF
JESSER 3E-10-12N - ORIGINAL WELLBORE - WB #1 -	0.00	2.99	119.61			
JESSER 3E-10-12N - ORIGINAL WELLBORE - WB #1 -	100.00	102.79	119.70	119.27	279.488	ES
JESSER 3E-10-12N - ORIGINAL WELLBORE - WB #1 -	8,701.16	11,973.00	2,675.63	2,451.24	11.924	SF
JESSER 3E-10-13N - ORIGINAL WELLBORE - WB #1 -	0.00	2.99	99.82			
JESSER 3E-10-13N - ORIGINAL WELLBORE - WB #1 -	100.00	102.55	100.05	99.62	233.680	ES
JESSER 3E-10-13N - ORIGINAL WELLBORE - WB #1 -	8,800.00	11,950.00	3,010.32	2,783.54	13.274	SF
JESSER 3E-10-14C - ORIGINAL WELLBORE - WB #1 -	0.00	2.99	79.74			
JESSER 3E-10-14C - ORIGINAL WELLBORE - WB #1 -	100.00	102.82	79.86	79.43	186.407	ES
JESSER 3E-10-14C - ORIGINAL WELLBORE - WB #1 -	8,900.00	12,176.00	3,370.06	3,143.76	14.892	SF
JESSER 3E-10-15N - ORIGINAL WELLBORE - WB #1 -	0.00	2.00	59.67			
JESSER 3E-10-15N - ORIGINAL WELLBORE - WB #1 -	100.00	101.85	59.80	59.37	140.092	ES
JESSER 3E-10-15N - ORIGINAL WELLBORE - WB #1 -	9,000.00	11,900.00	3,653.76	3,426.73	16.093	SF
JESSER 3E-10-16N - ORIGINAL WELLBORE - WB #1 -	0.00	2.00	39.61			
JESSER 3E-10-16N - ORIGINAL WELLBORE - WB #1 -	100.00	101.81	39.85	39.43	93.324	ES
JESSER 3E-10-16N - ORIGINAL WELLBORE - WB #1 -	9,200.00	12,180.00	4,030.98	3,799.74	17.432	SF
JESSER 3E-10-17C - ORIGINAL WELLBORE - WB #1 -	108.63	110.68	19.68	19.21	41.753	CC, ES
JESSER 3E-10-17C - ORIGINAL WELLBORE - WB #1 -	400.00	401.62	33.09	30.73	14.039	SF
JESSER 3E-10-1N - ORIGINAL WELLBORE - WB #1 - P	0.00	7.79	339.56			
JESSER 3E-10-1N - ORIGINAL WELLBORE - WB #1 - P	8,550.00	12,235.00	810.31	591.30	3.700	SF
JESSER 3E-10-2C - ORIGINAL WELLBORE - WB #1 - P	0.00	6.93	319.77			
JESSER 3E-10-2C - ORIGINAL WELLBORE - WB #1 - P	100.00	105.92	319.95	319.53	771.439	ES
JESSER 3E-10-2C - ORIGINAL WELLBORE - WB #1 - P	8,600.00	12,415.00	530.86	354.68	3.013	SF

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Civitas Resources

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Summary						
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Offset Well - Wellbore - Design						
Sec 3-T4N-R68W						
JESSER 3E-10-3N - ORIGINAL WELLBORE - WB #1 - P	8,436.52	12,055.00	131.72	5.69	1.045	Level 2, CC
JESSER 3E-10-3N - ORIGINAL WELLBORE - WB #1 - P	8,450.00	12,055.00	132.57	4.37	1.034	Level 2, ES, SF
JESSER 3E-10-4N - ORIGINAL WELLBORE - WB #1 - P	0.00	5.93	279.63			
JESSER 3E-10-4N - ORIGINAL WELLBORE - WB #1 - P	8,442.77	12,065.00	374.54	208.79	2.260	ES, SF
JESSER 3E-10-5N - ORIGINAL WELLBORE - WB #1 - P	110.02	116.84	259.39	258.92	557.242	CC, ES
JESSER 3E-10-5N - ORIGINAL WELLBORE - WB #1 - P	8,400.00	11,929.94	620.95	404.35	2.867	SF
JESSER 3E-10-6C - ORIGINAL WELLBORE - WB #1 - P	0.00	5.77	239.76			
JESSER 3E-10-6C - ORIGINAL WELLBORE - WB #1 - P	8,500.00	12,150.00	1,031.51	819.09	4.856	SF
JESSER 3E-10-7N - ORIGINAL WELLBORE - WB #1 - P	0.00	4.84	219.69			
JESSER 3E-10-7N - ORIGINAL WELLBORE - WB #1 - P	8,350.00	11,869.98	1,245.55	1,023.18	5.601	SF
JESSER 3E-10-8N - ORIGINAL WELLBORE - WB #1 - P	0.00	4.95	199.62			
JESSER 3E-10-8N - ORIGINAL WELLBORE - WB #1 - P	100.00	103.96	199.89	199.48	485.112	ES
JESSER 3E-10-8N - ORIGINAL WELLBORE - WB #1 - P	8,450.00	11,970.00	1,624.07	1,401.43	7.295	SF
JESSER 3E-10-9C - ORIGINAL WELLBORE - WB #1 - P	0.00	3.97	179.55			
JESSER 3E-10-9C - ORIGINAL WELLBORE - WB #1 - P	100.00	103.11	179.80	179.39	437.834	ES
JESSER 3E-10-9C - ORIGINAL WELLBORE - WB #1 - P	8,550.00	12,105.00	1,961.19	1,738.31	8.799	SF
JESSER EAST 3E-20-02 - OWB - PROPOSAL 1	549.83	548.23	11.61	7.77	3.026	CC
JESSER EAST 3E-20-02 - OWB - PROPOSAL 1	19,073.74	19,203.02	575.16	-43.48	0.930	Level 1, ES, SF
JESSER EAST 3E-20-03 - OWB - PROPOSAL 1	597.29	593.98	22.86	18.68	5.474	CC
JESSER EAST 3E-20-03 - OWB - PROPOSAL 1	600.00	596.67	22.86	18.66	5.446	ES
JESSER EAST 3E-20-03 - OWB - PROPOSAL 1	19,073.74	18,809.76	1,087.38	349.77	1.474	Level 3, SF

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference														
Offset														
Semi Major Axis														
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
2,100.00	1,942.74	1,784.74	1,784.74	14.45	35.52	40.98	-1,079.70	10,540.83	10,037.88	9,991.90	45.98	218.304		
2,200.00	2,021.72	1,863.72	1,863.72	15.69	37.11	41.19	-1,079.70	10,540.83	9,987.38	9,939.03	48.35	206.567		
2,300.00	2,100.71	1,942.71	1,942.71	16.95	38.70	41.40	-1,079.70	10,540.83	9,936.99	9,886.26	50.73	195.872		
2,400.00	2,179.70	2,021.70	2,021.70	18.21	40.29	41.61	-1,079.70	10,540.83	9,886.73	9,833.60	53.13	186.092		
2,500.00	2,258.69	2,100.69	2,100.69	19.47	41.88	41.83	-1,079.70	10,540.83	9,836.59	9,781.05	55.54	177.120		
2,600.00	2,337.68	2,179.68	2,179.68	20.74	43.47	42.05	-1,079.70	10,540.83	9,786.58	9,728.62	57.96	168.862		
2,700.00	2,416.66	2,258.66	2,258.66	22.02	45.06	42.27	-1,079.70	10,540.83	9,736.70	9,676.31	60.39	161.240		
2,800.00	2,495.65	2,337.65	2,337.65	23.29	46.65	42.49	-1,079.70	10,540.83	9,686.95	9,624.12	62.83	154.185		
2,900.00	2,574.64	2,416.64	2,416.64	24.57	48.23	42.72	-1,079.70	10,540.83	9,637.33	9,572.05	65.28	147.637		
3,000.00	2,653.63	2,495.63	2,495.63	25.85	49.82	42.94	-1,079.70	10,540.83	9,587.85	9,520.11	67.74	141.545		
3,100.00	2,732.62	2,574.62	2,574.62	27.14	51.41	43.17	-1,079.70	10,540.83	9,538.51	9,468.30	70.21	135.865		
3,200.00	2,811.61	2,653.61	2,653.61	28.42	53.00	43.40	-1,079.70	10,540.83	9,489.30	9,416.62	72.68	130.556		
3,300.00	2,890.59	2,732.59	2,732.59	29.71	54.59	43.63	-1,079.70	10,540.83	9,440.24	9,365.07	75.17	125.584		
3,400.00	2,969.58	2,811.58	2,811.58	31.00	56.18	43.86	-1,079.70	10,540.83	9,391.32	9,313.66	77.67	120.919		
3,500.00	3,048.57	2,890.57	2,890.57	32.29	57.77	44.10	-1,079.70	10,540.83	9,342.55	9,262.38	80.17	116.534		
3,600.00	3,127.56	2,969.56	2,969.56	33.58	59.36	44.34	-1,079.70	10,540.83	9,293.93	9,211.25	82.68	112.404		
3,700.00	3,206.55	3,048.55	3,048.55	34.87	60.94	44.58	-1,079.70	10,540.83	9,245.46	9,160.25	85.20	108.509		
3,800.00	3,285.53	3,127.53	3,127.53	36.16	62.53	44.82	-1,079.70	10,540.83	9,197.14	9,109.41	87.73	104.829		
3,900.00	3,364.52	3,206.52	3,206.52	37.45	64.12	45.06	-1,079.70	10,540.83	9,148.98	9,058.71	90.27	101.348		
4,000.00	3,443.51	3,285.51	3,285.51	38.74	65.71	45.31	-1,079.70	10,540.83	9,100.97	9,008.15	92.82	98.050		
4,100.00	3,522.50	3,364.50	3,364.50	40.04	67.30	45.56	-1,079.70	10,540.83	9,053.13	8,957.76	95.38	94.921		
4,200.00	3,601.49	3,443.49	3,443.49	41.33	68.89	45.81	-1,079.70	10,540.83	9,005.45	8,907.51	97.94	91.949		

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-20-01
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-20-01	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		
4,300.00	3,680.47	3,522.47	3,522.47	42.63	70.48	46.06	-1,079.70	10,540.83	8,957.94	8,857.43	100.51	89.123		
4,400.00	3,759.46	3,601.46	3,601.46	43.92	72.07	46.31	-1,079.70	10,540.83	8,910.60	8,807.50	103.09	86.432		
4,500.00	3,838.45	3,680.45	3,680.45	45.22	73.65	46.57	-1,079.70	10,540.83	8,863.42	8,757.74	105.68	83.867		
4,600.00	3,917.44	3,759.44	3,759.44	46.51	75.24	46.83	-1,079.70	10,540.83	8,816.42	8,708.14	108.28	81.420		
4,700.00	3,996.43	3,838.43	3,838.43	47.81	76.83	47.09	-1,079.70	10,540.83	8,769.60	8,658.71	110.89	79.084		
4,800.00	4,075.42	3,917.42	3,917.42	49.10	78.42	47.35	-1,079.70	10,540.83	8,722.96	8,609.45	113.51	76.850		
4,900.00	4,154.40	3,996.40	3,996.40	50.40	80.01	47.62	-1,079.70	10,540.83	8,676.50	8,560.37	116.13	74.712		
5,000.00	4,233.39	4,075.39	4,075.39	51.70	81.60	47.89	-1,079.70	10,540.83	8,630.23	8,511.46	118.77	72.665		
5,100.00	4,312.38	4,154.38	4,154.38	52.99	83.19	48.16	-1,079.70	10,540.83	8,584.14	8,462.73	121.41	70.704		
5,200.00	4,391.37	4,233.37	4,233.37	54.29	84.77	48.43	-1,079.70	10,540.83	8,538.25	8,414.19	124.06	68.822		
5,300.00	4,470.36	4,312.36	4,312.36	55.59	86.36	48.71	-1,079.70	10,540.83	8,492.55	8,365.83	126.72	67.016		
5,400.00	4,549.34	4,391.34	4,391.34	56.89	87.95	48.98	-1,079.70	10,540.83	8,447.05	8,317.65	129.40	65.281		
5,500.00	4,628.33	4,470.33	4,470.33	58.18	89.54	49.26	-1,079.70	10,540.83	8,401.75	8,269.67	132.08	63.613		
5,600.00	4,707.32	4,549.32	4,549.32	59.48	91.13	49.54	-1,079.70	10,540.83	8,356.66	8,221.89	134.77	62.009		
5,700.00	4,786.31	4,628.31	4,628.31	60.78	92.72	49.83	-1,079.70	10,540.83	8,311.77	8,174.30	137.47	60.464		
5,800.00	4,865.30	4,707.30	4,707.30	62.08	94.31	50.11	-1,079.70	10,540.83	8,267.09	8,126.92	140.17	58.977		
5,900.00	4,944.28	4,786.28	4,786.28	63.38	95.89	50.40	-1,079.70	10,540.83	8,222.63	8,079.74	142.89	57.544		
6,000.00	5,023.27	4,865.27	4,865.27	64.68	97.48	50.69	-1,079.70	10,540.83	8,178.39	8,032.77	145.62	56.162		
6,100.00	5,102.26	4,944.26	4,944.26	65.97	99.07	50.99	-1,079.70	10,540.83	8,134.37	7,986.01	148.36	54.829		
6,200.00	5,181.25	5,023.25	5,023.25	67.27	100.66	51.28	-1,079.70	10,540.83	8,090.57	7,939.47	151.11	53.543		
6,300.00	5,260.24	5,102.24	5,102.24	68.57	102.25	51.58	-1,079.70	10,540.83	8,047.01	7,893.14	153.86	52.300		
6,400.00	5,339.23	5,181.23	5,181.23	69.87	103.84	51.88	-1,079.70	10,540.83	8,003.67	7,847.04	156.63	51.099		
6,500.00	5,418.21	5,260.21	5,260.21	71.17	105.42	52.19	-1,079.70	10,540.83	7,960.58	7,801.17	159.41	49.939		
6,600.00	5,497.20	5,339.20	5,339.20	72.47	107.01	52.49	-1,079.70	10,540.83	7,917.72	7,755.52	162.19	48.816		
6,700.00	5,576.19	5,418.19	5,418.19	73.77	108.60	52.80	-1,079.70	10,540.83	7,875.11	7,710.11	164.99	47.730		
6,800.00	5,655.18	5,497.18	5,497.18	75.07	110.19	53.12	-1,079.70	10,540.83	7,832.74	7,664.94	167.80	46.679		
6,900.00	5,734.17	5,576.17	5,576.17	76.37	111.78	53.43	-1,079.70	10,540.83	7,790.63	7,620.01	170.62	45.662		
7,000.00	5,813.15	5,655.15	5,655.15	77.67	113.37	53.75	-1,079.70	10,540.83	7,748.77	7,575.33	173.44	44.676		
7,100.00	5,892.14	5,734.14	5,734.14	78.97	114.96	54.06	-1,079.70	10,540.83	7,707.18	7,530.90	176.28	43.721		
7,200.00	5,971.13	5,813.13	5,813.13	80.27	116.54	54.39	-1,079.70	10,540.83	7,665.85	7,486.72	179.13	42.795		
7,300.00	6,050.12	5,892.12	5,892.12	81.57	118.13	54.71	-1,079.70	10,540.83	7,624.79	7,442.80	181.99	41.897		
7,400.00	6,129.11	5,971.11	5,971.11	82.86	119.72	55.04	-1,079.70	10,540.83	7,584.00	7,399.14	184.86	41.026		
7,500.00	6,208.09	6,050.09	6,050.09	84.16	121.31	55.37	-1,079.70	10,540.83	7,543.49	7,355.76	187.74	40.181		
7,600.00	6,287.08	6,129.08	6,129.08	85.46	122.90	55.70	-1,079.70	10,540.83	7,503.27	7,312.64	190.63	39.361		
7,700.00	6,366.07	6,208.07	6,208.07	86.76	124.49	56.03	-1,079.70	10,540.83	7,463.33	7,269.80	193.53	38.565		
7,800.00	6,445.06	6,287.06	6,287.06	88.06	126.07	56.37	-1,079.70	10,540.83	7,423.68	7,227.24	196.44	37.792		
7,900.00	6,524.05	6,366.05	6,366.05	89.36	127.66	56.71	-1,079.70	10,540.83	7,384.33	7,184.97	199.36	37.041		
8,000.00	6,603.03	6,445.03	6,445.03	90.66	129.25	57.05	-1,079.70	10,540.83	7,345.28	7,142.99	202.29	36.311		
8,100.00	6,682.02	6,524.02	6,524.02	91.96	130.84	57.40	-1,079.70	10,540.83	7,306.53	7,101.30	205.23	35.602		
8,133.44	6,708.44	6,550.44	6,550.44	92.40	131.37	57.52	-1,079.70	10,540.83	7,293.65	7,087.43	206.21	35.369		
8,150.00	6,721.39	6,563.39	6,563.39	92.62	131.63	56.78	-1,079.70	10,540.83	7,287.08	7,080.38	206.70	35.254		
8,200.00	6,758.90	6,600.90	6,600.90	93.34	132.39	55.21	-1,079.70	10,540.83	7,264.93	7,056.76	208.17	34.899		
8,250.00	6,793.76	6,635.76	6,635.76	94.13	133.09	54.53	-1,079.70	10,540.83	7,239.45	7,029.82	209.63	34.535		
8,300.00	6,825.72	6,667.72	6,667.72	95.00	133.73	54.64	-1,079.70	10,540.83	7,210.82	6,999.77	211.05	34.167		
8,350.00	6,854.52	6,696.52	6,696.52	95.93	134.31	55.53	-1,079.70	10,540.83	7,179.28	6,966.85	212.43	33.796		
8,400.00	6,879.97	6,721.97	6,721.97	96.92	134.82	57.21	-1,079.70	10,540.83	7,145.06	6,931.30	213.76	33.426		
8,450.00	6,901.84	6,743.84	6,743.84	97.95	135.26	59.76	-1,079.70	10,540.83	7,108.43	6,893.41	215.01	33.060		
8,500.00	6,920.00	6,762.00	6,762.00	99.02	135.63	63.27	-1,079.70	10,540.83	7,069.66	6,853.46	216.19	32.700		
8,550.00	6,934.28	6,776.28	6,776.28	100.12	135.91	67.90	-1,079.70	10,540.83	7,029.04	6,811.76	217.28	32.349		
8,600.00	6,944.59	6,786.59	6,786.59	101.22	136.12	73.79	-1,079.70	10,540.83	6,986.88	6,768.61	218.27	32.010		
8,650.00	6,950.84	6,792.84	6,792.84	102.33	136.25	81.09	-1,079.70	10,540.83	6,943.50	6,724.34	219.15	31.683		
8,701.16	6,953.00	6,795.00	6,795.00	103.44	136.29	90.00	-1,079.70	10,540.83	6,898.16	6,678.23	219.93	31.365		

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-20-01
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-20-01	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		
8,800.00	6,953.00	6,795.00	6,795.00	105.59	136.29	90.00	-1,079.70	10,540.83	6,810.05	6,588.72	221.33	30.769		
8,900.00	6,953.00	6,795.00	6,795.00	107.79	136.29	90.00	-1,079.70	10,540.83	6,721.20	6,498.41	222.78	30.169		
9,000.00	6,953.00	6,795.00	6,795.00	110.02	136.29	90.00	-1,079.70	10,540.83	6,632.66	6,408.38	224.28	29.573		
9,100.00	6,953.00	6,795.00	6,795.00	112.26	136.29	90.00	-1,079.70	10,540.83	6,544.46	6,318.64	225.82	28.981		
9,200.00	6,953.00	6,795.00	6,795.00	114.52	136.29	90.00	-1,079.70	10,540.83	6,456.60	6,229.19	227.41	28.392		
9,300.00	6,953.00	6,795.00	6,795.00	116.80	136.29	90.00	-1,079.70	10,540.83	6,369.09	6,140.05	229.04	27.808		
9,400.00	6,953.00	6,795.00	6,795.00	119.10	136.29	90.00	-1,079.70	10,540.83	6,281.97	6,051.24	230.72	27.228		
9,500.00	6,953.00	6,795.00	6,795.00	121.42	136.29	90.00	-1,079.70	10,540.83	6,195.22	5,962.77	232.45	26.652		
9,600.00	6,953.00	6,795.00	6,795.00	123.75	136.29	90.00	-1,079.70	10,540.83	6,108.89	5,874.66	234.23	26.080		
9,700.00	6,953.00	6,795.00	6,795.00	126.10	136.29	90.00	-1,079.70	10,540.83	6,022.98	5,786.91	236.07	25.514		
9,800.00	6,953.00	6,795.00	6,795.00	128.46	136.29	90.00	-1,079.70	10,540.83	5,937.51	5,699.55	237.95	24.952		
9,900.00	6,953.00	6,795.00	6,795.00	130.84	136.29	90.00	-1,079.70	10,540.83	5,852.50	5,612.60	239.90	24.396		
10,000.00	6,953.00	6,795.00	6,795.00	133.23	136.29	90.00	-1,079.70	10,540.83	5,767.97	5,526.07	241.89	23.845		
10,100.00	6,953.00	6,795.00	6,795.00	135.63	136.29	90.00	-1,079.70	10,540.83	5,683.94	5,439.99	243.95	23.299		
10,200.00	6,953.00	6,795.00	6,795.00	138.04	136.29	90.00	-1,079.70	10,540.83	5,600.43	5,354.37	246.07	22.760		
10,300.00	6,953.00	6,795.00	6,795.00	140.46	136.29	90.00	-1,079.70	10,540.83	5,517.48	5,269.23	248.25	22.226		
10,400.00	6,953.00	6,795.00	6,795.00	142.90	136.29	90.00	-1,079.70	10,540.83	5,435.10	5,184.61	250.49	21.698		
10,500.00	6,953.00	6,795.00	6,795.00	145.34	136.29	90.00	-1,079.70	10,540.83	5,353.32	5,100.53	252.79	21.177		
10,600.00	6,953.00	6,795.00	6,795.00	147.80	136.29	90.00	-1,079.70	10,540.83	5,272.17	5,017.01	255.16	20.662		
10,700.00	6,953.00	6,795.00	6,795.00	150.26	136.29	90.00	-1,079.70	10,540.83	5,191.67	4,934.07	257.60	20.154		
10,800.00	6,953.00	6,795.00	6,795.00	152.73	136.29	90.00	-1,079.70	10,540.83	5,111.87	4,851.76	260.11	19.653		
10,900.00	6,953.00	6,795.00	6,795.00	155.21	136.29	90.00	-1,079.70	10,540.83	5,032.79	4,770.10	262.68	19.159		
11,000.00	6,953.00	6,795.00	6,795.00	157.70	136.29	90.00	-1,079.70	10,540.83	4,954.46	4,689.13	265.33	18.673		
11,100.00	6,953.00	6,795.00	6,795.00	160.20	136.29	90.00	-1,079.70	10,540.83	4,876.92	4,608.88	268.05	18.194		
11,200.00	6,953.00	6,795.00	6,795.00	162.70	136.29	90.00	-1,079.70	10,540.83	4,800.22	4,529.38	270.84	17.724		
11,300.00	6,953.00	6,795.00	6,795.00	165.21	136.29	90.00	-1,079.70	10,540.83	4,724.39	4,450.68	273.70	17.261		
11,400.00	6,953.00	6,795.00	6,795.00	167.73	136.29	90.00	-1,079.70	10,540.83	4,649.47	4,372.83	276.64	16.807		
11,500.00	6,953.00	6,795.00	6,795.00	170.25	136.29	90.00	-1,079.70	10,540.83	4,575.51	4,295.85	279.66	16.361		
11,600.00	6,953.00	6,795.00	6,795.00	172.78	136.29	90.00	-1,079.70	10,540.83	4,502.55	4,219.81	282.75	15.924		
11,700.00	6,953.00	6,795.00	6,795.00	175.31	136.29	90.00	-1,079.70	10,540.83	4,430.66	4,144.75	285.91	15.497		
11,800.00	6,953.00	6,795.00	6,795.00	177.85	136.29	90.00	-1,079.70	10,540.83	4,359.87	4,070.72	289.15	15.078		
11,900.00	6,953.00	6,795.00	6,795.00	180.40	136.29	90.00	-1,079.70	10,540.83	4,290.24	3,997.78	292.46	14.670		
12,000.00	6,953.00	6,795.00	6,795.00	182.95	136.29	90.00	-1,079.70	10,540.83	4,221.83	3,926.00	295.84	14.271		
12,100.00	6,953.00	6,795.00	6,795.00	185.50	136.29	90.00	-1,079.70	10,540.83	4,154.71	3,855.42	299.29	13.882		
12,200.00	6,953.00	6,795.00	6,795.00	188.06	136.29	90.00	-1,079.70	10,540.83	4,088.93	3,786.12	302.81	13.503		
12,300.00	6,953.00	6,795.00	6,795.00	190.63	136.29	90.00	-1,079.70	10,540.83	4,024.56	3,718.16	306.39	13.135		
12,400.00	6,953.00	6,795.00	6,795.00	193.20	136.29	90.00	-1,079.70	10,540.83	3,961.66	3,651.63	310.04	12.778		
12,500.00	6,953.00	6,795.00	6,795.00	195.77	136.29	90.00	-1,079.70	10,540.83	3,900.32	3,586.58	313.74	12.432		
12,600.00	6,953.00	6,795.00	6,795.00	198.35	136.29	90.00	-1,079.70	10,540.83	3,840.60	3,523.12	317.49	12.097		
12,700.00	6,953.00	6,795.00	6,795.00	200.93	136.29	90.00	-1,079.70	10,540.83	3,782.59	3,461.30	321.28	11.773		
12,800.00	6,953.00	6,795.00	6,795.00	203.51	136.29	90.00	-1,079.70	10,540.83	3,726.35	3,401.24	325.11	11.462		
12,900.00	6,953.00	6,795.00	6,795.00	206.10	136.29	90.00	-1,079.70	10,540.83	3,671.97	3,343.01	328.97	11.162		
13,000.00	6,953.00	6,795.00	6,795.00	208.69	136.29	90.00	-1,079.70	10,540.83	3,619.55	3,286.70	332.85	10.875		
13,100.00	6,953.00	6,795.00	6,795.00	211.29	136.29	90.00	-1,079.70	10,540.83	3,569.15	3,232.42	336.73	10.599		
13,200.00	6,953.00	6,795.00	6,795.00	213.88	136.29	90.00	-1,079.70	10,540.83	3,520.88	3,180.26	340.62	10.337		
13,300.00	6,953.00	6,795.00	6,795.00	216.48	136.29	90.00	-1,079.70	10,540.83	3,474.81	3,130.32	344.48	10.087		
13,400.00	6,953.00	6,795.00	6,795.00	219.09	136.29	90.00	-1,079.70	10,540.83	3,431.04	3,082.71	348.32	9.850		
13,500.00	6,953.00	6,795.00	6,795.00	221.69	136.29	90.00	-1,079.70	10,540.83	3,389.65	3,037.53	352.12	9.626		
13,600.00	6,953.00	6,795.00	6,795.00	224.30	136.29	90.00	-1,079.70	10,540.83	3,350.74	2,994.89	355.85	9.416		
13,700.00	6,953.00	6,795.00	6,795.00	226.92	136.29	90.00	-1,079.70	10,540.83	3,314.39	2,954.88	359.51	9.219		
13,800.00	6,953.00	6,795.00	6,795.00	229.53	136.29	90.00	-1,079.70	10,540.83	3,280.69	2,917.61	363.08	9.036		
13,900.00	6,953.00	6,795.00	6,795.00	232.15	136.29	90.00	-1,079.70	10,540.83	3,249.71	2,883.18	366.53	8.866		

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-20-01
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-20-01	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		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)						
14,000.00	6,953.00	6,795.00	6,795.00	234.77	136.29	90.00	-1,079.70	10,540.83	3,221.55	2,851.69	369.86	8.710		
14,100.00	6,953.00	6,795.00	6,795.00	237.39	136.29	90.00	-1,079.70	10,540.83	3,196.26	2,823.22	373.04	8.568		
14,200.00	6,953.00	6,795.00	6,795.00	240.01	136.29	90.00	-1,079.70	10,540.83	3,173.93	2,797.87	376.06	8.440		
14,300.00	6,953.00	6,795.00	6,795.00	242.64	136.29	90.00	-1,079.70	10,540.83	3,154.60	2,775.71	378.89	8.326		
14,400.00	6,953.00	6,795.00	6,795.00	245.27	136.29	90.00	-1,079.70	10,540.83	3,138.35	2,756.82	381.53	8.226		
14,500.00	6,953.00	6,795.00	6,795.00	247.90	136.29	90.00	-1,079.70	10,540.83	3,125.22	2,741.25	383.96	8.139		
14,600.00	6,953.00	6,795.00	6,795.00	250.53	136.29	90.00	-1,079.70	10,540.83	3,115.24	2,729.07	386.17	8.067		
14,700.00	6,953.00	6,795.00	6,795.00	253.16	136.29	90.00	-1,079.70	10,540.83	3,108.44	2,720.31	388.14	8.009		
14,800.00	6,953.00	6,795.00	6,795.00	255.80	136.29	90.00	-1,079.70	10,540.83	3,104.86	2,715.00	389.86	7.964		
14,861.38	6,953.00	6,795.00	6,795.00	257.42	136.29	90.00	-1,079.70	10,540.83	3,104.25	2,713.46	390.79	7.943 CC		
14,900.00	6,953.00	6,795.00	6,795.00	258.43	136.29	90.00	-1,079.70	10,540.83	3,104.49	2,713.16	391.33	7.933 ES		
15,000.00	6,953.00	6,795.00	6,795.00	261.07	136.29	90.00	-1,079.70	10,540.83	3,107.34	2,714.80	392.55	7.916		
15,100.00	6,953.00	6,795.00	6,795.00	263.71	136.29	90.00	-1,079.70	10,540.83	3,113.41	2,719.91	393.50	7.912 SF		
15,200.00	6,953.00	6,795.00	6,795.00	266.36	136.29	90.00	-1,079.70	10,540.83	3,122.66	2,728.47	394.20	7.922		
15,300.00	6,953.00	6,795.00	6,795.00	269.00	136.29	90.00	-1,079.70	10,540.83	3,135.08	2,740.45	394.63	7.944		
15,400.00	6,953.00	6,795.00	6,795.00	271.65	136.29	90.00	-1,079.70	10,540.83	3,150.63	2,755.81	394.82	7.980		
15,500.00	6,953.00	6,795.00	6,795.00	274.29	136.29	90.00	-1,079.70	10,540.83	3,169.26	2,774.50	394.76	8.028		
15,600.00	6,953.00	6,795.00	6,795.00	276.94	136.29	90.00	-1,079.70	10,540.83	3,190.91	2,796.45	394.46	8.089		
15,700.00	6,953.00	6,795.00	6,795.00	279.59	136.29	90.00	-1,079.70	10,540.83	3,215.53	2,821.59	393.94	8.163		
15,800.00	6,953.00	6,795.00	6,795.00	282.24	136.29	90.00	-1,079.70	10,540.83	3,243.05	2,849.85	393.20	8.248		
15,900.00	6,953.00	6,795.00	6,795.00	284.90	136.29	90.00	-1,079.70	10,540.83	3,273.39	2,881.13	392.26	8.345		
16,000.00	6,953.00	6,795.00	6,795.00	287.55	136.29	90.00	-1,079.70	10,540.83	3,306.48	2,915.35	391.13	8.454		
16,100.00	6,953.00	6,795.00	6,795.00	290.20	136.29	90.00	-1,079.70	10,540.83	3,342.24	2,952.40	389.83	8.573		
16,200.00	6,953.00	6,795.00	6,795.00	292.86	136.29	90.00	-1,079.70	10,540.83	3,380.57	2,992.20	388.38	8.704		
16,300.00	6,953.00	6,795.00	6,795.00	295.52	136.29	90.00	-1,079.70	10,540.83	3,421.40	3,034.63	386.78	8.846		
16,400.00	6,953.00	6,795.00	6,795.00	298.18	136.29	90.00	-1,079.70	10,540.83	3,464.64	3,079.59	385.05	8.998		
16,500.00	6,953.00	6,795.00	6,795.00	300.84	136.29	90.00	-1,079.70	10,540.83	3,510.19	3,126.99	383.20	9.160		
16,600.00	6,953.00	6,795.00	6,795.00	303.50	136.29	90.00	-1,079.70	10,540.83	3,557.97	3,176.71	381.26	9.332		
16,700.00	6,953.00	6,795.00	6,795.00	306.16	136.29	90.00	-1,079.70	10,540.83	3,607.89	3,228.66	379.23	9.514		
16,800.00	6,953.00	6,795.00	6,795.00	308.82	136.29	90.00	-1,079.70	10,540.83	3,659.86	3,282.74	377.12	9.705		
16,900.00	6,953.00	6,795.00	6,795.00	311.49	136.29	90.00	-1,079.70	10,540.83	3,713.80	3,338.84	374.96	9.905		
17,000.00	6,953.00	6,795.00	6,795.00	314.15	136.29	90.00	-1,079.70	10,540.83	3,769.62	3,396.88	372.74	10.113		
17,100.00	6,953.00	6,795.00	6,795.00	316.82	136.29	90.00	-1,079.70	10,540.83	3,827.24	3,456.75	370.49	10.330		
17,200.00	6,953.00	6,795.00	6,795.00	319.48	136.29	90.00	-1,079.70	10,540.83	3,886.58	3,518.38	368.20	10.556		
17,300.00	6,953.00	6,795.00	6,795.00	322.15	136.29	90.00	-1,079.70	10,540.83	3,947.56	3,581.66	365.90	10.789		
17,400.00	6,953.00	6,795.00	6,795.00	324.82	136.29	90.00	-1,079.70	10,540.83	4,010.11	3,646.53	363.58	11.030		
17,500.00	6,953.00	6,795.00	6,795.00	327.49	136.29	90.00	-1,079.70	10,540.83	4,074.15	3,712.90	361.25	11.278		
17,600.00	6,953.00	6,795.00	6,795.00	330.16	136.29	90.00	-1,079.70	10,540.83	4,139.61	3,780.69	358.92	11.533		
17,700.00	6,953.00	6,795.00	6,795.00	332.83	136.29	90.00	-1,079.70	10,540.83	4,206.44	3,849.83	356.60	11.796		
17,800.00	6,953.00	6,795.00	6,795.00	335.50	136.29	90.00	-1,079.70	10,540.83	4,274.56	3,920.26	354.30	12.065		
17,900.00	6,953.00	6,795.00	6,795.00	338.17	136.29	90.00	-1,079.70	10,540.83	4,343.91	3,991.91	352.00	12.340		
18,000.00	6,953.00	6,795.00	6,795.00	340.85	136.29	90.00	-1,079.70	10,540.83	4,414.44	4,064.71	349.73	12.622		
18,100.00	6,953.00	6,795.00	6,795.00	343.52	136.29	90.00	-1,079.70	10,540.83	4,486.09	4,138.61	347.48	12.910		
18,200.00	6,953.00	6,795.00	6,795.00	346.19	136.29	90.00	-1,079.70	10,540.83	4,558.81	4,213.55	345.26	13.204		
18,300.00	6,953.00	6,795.00	6,795.00	348.87	136.29	90.00	-1,079.70	10,540.83	4,632.54	4,289.48	343.07	13.503		
18,400.00	6,953.00	6,795.00	6,795.00	351.55	136.29	90.00	-1,079.70	10,540.83	4,707.25	4,366.34	340.90	13.808		
18,500.00	6,953.00	6,795.00	6,795.00	354.22	136.29	90.00	-1,079.70	10,540.83	4,782.88	4,444.10	338.77	14.118		
18,600.00	6,953.00	6,795.00	6,795.00	356.90	136.29	90.00	-1,079.70	10,540.83	4,859.39	4,522.71	336.68	14.433		
18,700.00	6,953.00	6,795.00	6,795.00	359.58	136.29	90.00	-1,079.70	10,540.83	4,936.73	4,602.12	334.62	14.753		
18,800.00	6,953.00	6,795.00	6,795.00	362.26	136.29	90.00	-1,079.70	10,540.83	5,014.89	4,682.29	332.59	15.078		
18,900.00	6,953.00	6,795.00	6,795.00	364.94	136.29	90.00	-1,079.70	10,540.83	5,093.80	4,763.19	330.61	15.407		
19,000.00	6,953.00	6,795.00	6,795.00	367.62	136.29	90.00	-1,079.70	10,540.83	5,173.44	4,844.79	328.66	15.741		

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-20-01
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-20-01	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	
19,073.74	6,953.00	6,795.00	6,795.00	369.59	136.29	90.00	-1,079.70	10,540.83	5,232.62	4,905.38	327.24	15.990	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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	1,532.39	2,511.18	2,485.91	8.84	9.38	22.11	1,623.85	10,167.82	9,993.74	9,978.30	15.43	647.640				
1,700.00	1,618.11	2,563.00	2,536.04	9.83	9.64	22.81	1,611.23	10,164.17	9,935.80	9,919.64	16.15	615.101				
1,800.00	1,701.97	2,563.00	2,536.04	10.89	9.64	23.40	1,611.23	10,164.17	9,875.60	9,858.96	16.65	593.182				
1,900.00	1,783.88	2,603.34	2,575.14	12.02	9.84	24.17	1,601.67	10,161.55	9,813.32	9,795.97	17.35	565.675				
1,991.28	1,856.86	2,652.00	2,622.39	13.11	10.08	24.98	1,590.41	10,158.63	9,754.73	9,736.68	18.06	540.233				
2,000.00	1,863.75	2,675.52	2,645.10	13.21	10.20	25.07	1,584.45	10,157.22	9,749.01	9,730.79	18.22	535.056				
2,100.00	1,942.74	2,797.17	2,762.20	14.45	10.85	25.55	1,552.41	10,149.74	9,683.45	9,664.10	19.35	500.352				
2,200.00	2,021.72	2,850.37	2,813.31	15.69	11.13	25.76	1,538.02	10,146.41	9,617.90	9,597.73	20.17	476.817				
2,300.00	2,100.71	2,904.05	2,864.97	16.95	11.42	25.97	1,523.84	10,143.06	9,552.59	9,531.58	21.00	454.783				
2,400.00	2,179.70	3,223.97	3,172.24	18.21	13.18	27.29	1,438.24	10,119.07	9,486.50	9,463.30	23.20	408.834				
2,500.00	2,258.69	3,252.76	3,199.71	19.47	13.35	27.42	1,429.99	10,116.67	9,419.93	9,395.97	23.95	393.295				
2,600.00	2,337.68	3,281.00	3,226.74	20.74	13.51	27.54	1,422.14	10,114.37	9,353.75	9,329.04	24.71	378.564				
2,700.00	2,416.66	3,315.32	3,259.63	22.02	13.70	27.69	1,412.72	10,111.69	9,287.97	9,262.46	25.51	364.120				
2,800.00	2,495.65	3,348.57	3,291.49	23.29	13.89	27.83	1,403.54	10,109.20	9,222.56	9,196.25	26.31	350.482				
2,900.00	2,574.64	3,386.39	3,327.73	24.57	14.11	28.00	1,393.03	10,106.52	9,157.55	9,130.39	27.16	337.209				
3,000.00	2,653.63	3,433.31	3,372.65	25.85	14.38	28.21	1,379.86	10,103.30	9,092.86	9,064.80	28.06	324.026				
3,100.00	2,732.62	3,478.83	3,416.19	27.14	14.64	28.41	1,366.95	10,100.28	9,028.49	8,999.51	28.97	311.620				
3,200.00	2,811.61	3,522.52	3,457.99	28.42	14.89	28.61	1,354.55	10,097.48	8,964.45	8,934.56	29.89	299.951				
3,300.00	2,890.59	3,568.42	3,501.92	29.71	15.16	28.82	1,341.55	10,094.64	8,900.75	8,869.93	30.82	288.759				
3,400.00	2,969.58	3,820.00	3,743.31	31.00	16.60	29.97	1,273.38	10,075.80	8,836.08	8,803.22	32.86	268.877				
3,500.00	3,048.57	3,820.00	3,743.31	32.29	16.60	29.97	1,273.38	10,075.80	8,771.72	8,738.14	33.58	261.241				
3,600.00	3,127.56	3,869.18	3,790.81	33.58	16.87	30.19	1,261.25	10,071.80	8,707.65	8,673.11	34.55	252.051				
3,700.00	3,206.55	3,909.00	3,829.43	34.87	17.09	30.37	1,252.04	10,068.86	8,644.22	8,608.74	35.48	243.633				
3,800.00	3,285.53	3,909.00	3,829.43	36.16	17.09	30.37	1,252.04	10,068.86	8,581.23	8,545.01	36.23	236.882				
3,900.00	3,364.52	3,951.86	3,871.05	37.45	17.32	30.56	1,242.24	10,065.97	8,518.72	8,481.53	37.19	229.041				
4,000.00	3,443.51	3,998.00	3,915.80	38.74	17.57	30.77	1,231.31	10,063.17	8,456.73	8,418.54	38.19	221.444				
4,100.00	3,522.50	4,082.23	3,997.12	40.04	18.04	31.16	1,210.03	10,057.90	8,394.78	8,355.37	39.41	213.020				
4,200.00	3,601.49	4,132.96	4,046.04	41.33	18.32	31.41	1,197.02	10,054.64	8,332.99	8,292.53	40.46	205.936				
4,300.00	3,680.47	4,177.00	4,088.69	42.63	18.57	31.61	1,186.32	10,052.11	8,271.82	8,230.32	41.49	199.347				
4,400.00	3,759.46	4,295.60	4,203.03	43.92	19.23	32.19	1,155.70	10,044.90	8,210.67	8,167.73	42.94	191.201				
4,500.00	3,838.45	4,340.99	4,246.79	45.22	19.49	32.42	1,143.95	10,042.05	8,149.61	8,105.59	44.01	185.158				
4,600.00	3,917.44	4,436.80	4,339.12	46.51	20.04	32.90	1,119.12	10,036.02	8,088.81	8,043.43	45.38	178.264				
4,700.00	3,996.43	4,473.51	4,374.35	47.81	20.25	33.09	1,109.07	10,033.68	8,028.17	7,981.74	46.43	172.908				
4,800.00	4,075.42	4,503.90	4,403.59	49.10	20.42	33.25	1,101.02	10,031.87	7,968.07	7,920.61	47.46	167.886				
4,900.00	4,154.40	4,535.00	4,433.61	50.40	20.60	33.40	1,093.04	10,030.15	7,908.52	7,860.02	48.51	163.039				
5,000.00	4,233.39	4,671.68	4,565.45	51.70	21.38	34.11	1,057.90	10,022.18	7,848.98	7,798.83	50.15	156.507				
5,100.00	4,312.38	4,714.00	4,605.95	52.99	21.63	34.34	1,045.93	10,019.54	7,789.54	7,738.24	51.30	151.849				
5,200.00	4,391.37	4,762.39	4,652.23	54.29	21.92	34.61	1,032.09	10,016.64	7,730.54	7,678.05	52.50	147.251				
5,300.00	4,470.36	4,929.79	4,813.36	55.59	22.88	35.51	987.96	10,006.16	7,671.71	7,617.34	54.38	141.084				
5,400.00	4,549.34	4,984.00	4,865.92	56.89	23.18	35.80	975.20	10,002.55	7,612.78	7,557.17	55.61	136.897				
5,500.00	4,628.33	5,034.88	4,915.33	58.18	23.46	36.07	963.50	9,999.25	7,554.24	7,497.41	56.83	132.917				
5,600.00	4,707.32	5,098.00	4,976.46	59.48	23.80	36.41	948.40	9,994.98	7,495.84	7,437.70	58.14	128.925				
5,700.00	4,786.31	5,149.75	5,026.39	60.78	24.10	36.70	935.27	9,991.51	7,437.84	7,378.42	59.42	125.172				
5,800.00	4,865.30	5,187.00	5,062.19	62.08	24.31	36.91	925.22	9,989.16	7,380.44	7,319.80	60.64	121.718				
5,900.00	4,944.28	5,187.00	5,062.19	63.38	24.31	36.91	925.22	9,989.16	7,323.78	7,262.14	61.64	118.809				
6,000.00	5,023.27	5,236.00	5,109.32	64.68	24.59	37.20	912.10	9,986.46	7,267.63	7,204.68	62.95	115.445				
6,100.00	5,102.26	5,276.00	5,147.99	65.97	24.82	37.42	902.03	9,984.68	7,212.34	7,148.11	64.22	112.306				
6,200.00	5,181.25	5,448.17	5,313.88	67.27	25.81	38.43	856.97	9,975.36	7,156.76	7,090.47	66.30	107.946				
6,300.00	5,260.24	5,506.14	5,369.57	68.57	26.15	38.78	841.29	9,971.71	7,101.13	7,033.41	67.72	104.859				
6,400.00	5,339.23	5,545.00	5,407.10	69.87	26.37	39.00	831.46	9,969.51	7,046.18	6,977.14	69.04	102.065				
6,500.00	5,418.21	5,647.43	5,505.62	71.17	26.96	39.63	804.12	9,963.51	6,991.57	6,920.81	70.76	98.803				
6,600.00	5,497.20	5,634.00	5,492.78	72.47	26.89	39.54	807.95	9,964.36	6,937.60	6,865.81	71.79	96.640				

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-20-01
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-20-01	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	5,576.19	5,991.00	5,836.92	73.77	28.93	41.75	716.99	9,938.77	6,882.34	6,807.28	75.06	91.693		
6,800.00	5,655.18	5,991.00	5,836.92	75.07	28.93	41.75	716.99	9,938.77	6,827.01	6,750.79	76.22	89.564		
6,900.00	5,734.17	6,034.03	5,878.32	76.37	29.18	42.03	705.85	9,935.01	6,772.21	6,694.55	77.66	87.202		
7,000.00	5,813.15	6,081.00	5,923.73	77.67	29.44	42.33	694.30	9,931.79	6,718.68	6,639.55	79.13	84.905		
7,100.00	5,892.14	6,081.00	5,923.73	78.97	29.44	42.33	694.30	9,931.79	6,665.62	6,585.28	80.33	82.973		
7,200.00	5,971.13	6,150.46	5,990.70	80.27	29.84	42.78	676.48	9,927.14	6,613.27	6,531.29	81.98	80.666		
7,300.00	6,050.12	6,259.39	6,095.08	81.57	30.50	43.51	646.43	9,918.97	6,560.99	6,477.05	83.94	78.159		
7,400.00	6,129.11	6,291.41	6,125.74	82.86	30.68	43.73	637.54	9,916.59	6,509.32	6,423.92	85.40	76.218		
7,500.00	6,208.09	6,323.99	6,157.15	84.16	30.87	43.95	629.14	9,914.43	6,458.47	6,371.59	86.88	74.341		
7,600.00	6,287.08	6,351.00	6,183.32	85.46	31.03	44.12	622.67	9,912.86	6,408.44	6,320.11	88.32	72.558		
7,700.00	6,366.07	6,402.47	6,233.34	86.76	31.30	44.46	610.83	9,910.18	6,359.14	6,269.23	89.91	70.724		
7,800.00	6,445.06	6,440.00	6,269.83	88.06	31.51	44.70	602.25	9,908.39	6,310.60	6,219.16	91.44	69.015		
7,900.00	6,524.05	6,440.00	6,269.83	89.36	31.51	44.70	602.25	9,908.39	6,263.09	6,170.35	92.74	67.533		
8,000.00	6,603.03	6,440.00	6,269.83	90.66	31.51	44.70	602.25	9,908.39	6,216.84	6,122.79	94.05	66.103		
8,100.00	6,682.02	6,440.00	6,269.83	91.96	31.51	44.70	602.25	9,908.39	6,171.86	6,076.50	95.35	64.725		
8,133.44	6,708.44	6,440.00	6,269.83	92.40	31.51	44.70	602.25	9,908.39	6,157.10	6,061.31	95.79	64.276		
8,150.00	6,721.39	6,440.00	6,269.83	92.62	31.51	43.78	602.25	9,908.39	6,149.64	6,053.63	96.01	64.052		
8,200.00	6,758.90	6,440.00	6,269.83	93.34	31.51	41.58	602.25	9,908.39	6,124.83	6,028.16	96.68	63.354		
8,250.00	6,793.76	6,440.00	6,269.83	94.13	31.51	40.13	602.25	9,908.39	6,096.72	5,999.36	97.35	62.625		
8,300.00	6,825.72	6,481.14	6,309.83	95.00	31.72	39.69	592.69	9,907.49	6,064.32	5,966.01	98.31	61.684		
8,350.00	6,854.52	6,484.31	6,312.91	95.93	31.74	39.59	591.93	9,907.50	6,029.93	5,930.92	99.01	60.902		
8,400.00	6,879.97	6,487.14	6,315.66	96.92	31.75	40.15	591.26	9,907.52	5,992.81	5,893.12	99.69	60.112		
8,450.00	6,901.84	6,489.61	6,318.06	97.95	31.77	41.43	590.67	9,907.55	5,953.20	5,852.85	100.36	59.321		
8,500.00	6,920.00	6,529.00	6,356.24	99.02	31.97	44.18	581.08	9,908.91	5,912.30	5,811.04	101.25	58.391		
8,550.00	6,934.28	6,529.00	6,356.24	100.12	31.97	47.66	581.08	9,908.91	5,868.42	5,766.57	101.84	57.622		
8,600.00	6,944.59	6,529.00	6,356.24	101.22	31.97	52.91	581.08	9,908.91	5,822.90	5,720.51	102.39	56.868		
8,650.00	6,950.84	6,529.00	6,356.24	102.33	31.97	60.85	581.08	9,908.91	5,776.06	5,673.16	102.90	56.133		
8,701.16	6,953.00	6,529.00	6,356.24	103.44	31.97	73.26	581.08	9,908.91	5,727.11	5,623.74	103.37	55.406		
8,800.00	6,953.00	6,529.00	6,356.24	105.59	31.97	73.26	581.08	9,908.91	5,631.82	5,527.59	104.23	54.034		
8,900.00	6,953.00	6,529.00	6,356.24	107.79	31.97	73.26	581.08	9,908.91	5,535.54	5,430.41	105.13	52.654		
9,000.00	6,953.00	6,529.00	6,356.24	110.02	31.97	73.26	581.08	9,908.91	5,439.40	5,333.33	106.07	51.283		
9,100.00	6,953.00	6,529.00	6,356.24	112.26	31.97	73.26	581.08	9,908.91	5,343.39	5,236.35	107.04	49.920		
9,200.00	6,953.00	6,529.00	6,356.24	114.52	31.97	73.26	581.08	9,908.91	5,247.54	5,139.49	108.05	48.567		
9,300.00	6,953.00	6,529.00	6,356.24	116.80	31.97	73.26	581.08	9,908.91	5,151.84	5,042.74	109.10	47.223		
9,400.00	6,953.00	6,529.00	6,356.24	119.10	31.97	73.26	581.08	9,908.91	5,056.31	4,946.12	110.19	45.889		
9,500.00	6,953.00	6,529.00	6,356.24	121.42	31.97	73.26	581.08	9,908.91	4,960.95	4,849.64	111.32	44.566		
9,600.00	6,953.00	6,529.00	6,356.24	123.75	31.97	73.26	581.08	9,908.91	4,865.79	4,753.29	112.50	43.253		
9,700.00	6,953.00	6,529.00	6,356.24	126.10	31.97	73.26	581.08	9,908.91	4,770.81	4,657.09	113.72	41.952		
9,800.00	6,953.00	6,529.00	6,356.24	128.46	31.97	73.26	581.08	9,908.91	4,676.05	4,561.05	115.00	40.662		
9,900.00	6,953.00	6,529.00	6,356.24	130.84	31.97	73.26	581.08	9,908.91	4,581.52	4,465.19	116.33	39.384		
10,000.00	6,953.00	6,529.00	6,356.24	133.23	31.97	73.26	581.08	9,908.91	4,487.21	4,369.50	117.72	38.119		
10,100.00	6,953.00	6,529.00	6,356.24	135.63	31.97	73.26	581.08	9,908.91	4,393.16	4,274.00	119.16	36.867		
10,200.00	6,953.00	6,529.00	6,356.24	138.04	31.97	73.26	581.08	9,908.91	4,299.38	4,178.71	120.67	35.629		
10,300.00	6,953.00	6,529.00	6,356.24	140.46	31.97	73.26	581.08	9,908.91	4,205.89	4,083.65	122.24	34.405		
10,400.00	6,953.00	6,529.00	6,356.24	142.90	31.97	73.26	581.08	9,908.91	4,112.70	3,988.81	123.89	33.196		
10,500.00	6,953.00	6,529.00	6,356.24	145.34	31.97	73.26	581.08	9,908.91	4,019.84	3,894.23	125.61	32.003		
10,600.00	6,953.00	6,529.00	6,356.24	147.80	31.97	73.26	581.08	9,908.91	3,927.33	3,799.92	127.41	30.825		
10,700.00	6,953.00	6,529.00	6,356.24	150.26	31.97	73.26	581.08	9,908.91	3,835.20	3,705.91	129.29	29.664		
10,800.00	6,953.00	6,529.00	6,356.24	152.73	31.97	73.26	581.08	9,908.91	3,743.47	3,612.21	131.26	28.520		
10,900.00	6,953.00	6,529.00	6,356.24	155.21	31.97	73.26	581.08	9,908.91	3,652.17	3,518.85	133.32	27.394		
11,000.00	6,953.00	6,529.00	6,356.24	157.70	31.97	73.26	581.08	9,908.91	3,561.34	3,425.86	135.48	26.287		
11,100.00	6,953.00	6,529.00	6,356.24	160.20	31.97	73.26	581.08	9,908.91	3,471.02	3,333.27	137.74	25.199		

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-20-01
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-20-01	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		
11,200.00	6,953.00	6,529.00	6,356.24	162.70	31.97	73.26	581.08	9,908.91	3,381.24	3,241.12	140.12	24.131		
11,300.00	6,953.00	6,529.00	6,356.24	165.21	31.97	73.26	581.08	9,908.91	3,292.05	3,149.44	142.61	23.084		
11,400.00	6,953.00	6,529.00	6,356.24	167.73	31.97	73.26	581.08	9,908.91	3,203.50	3,058.27	145.23	22.058		
11,500.00	6,953.00	6,529.00	6,356.24	170.25	31.97	73.26	581.08	9,908.91	3,115.64	2,967.66	147.97	21.055		
11,600.00	6,953.00	6,529.00	6,356.24	172.78	31.97	73.26	581.08	9,908.91	3,028.53	2,877.68	150.86	20.076		
11,700.00	6,953.00	6,529.00	6,356.24	175.31	31.97	73.26	581.08	9,908.91	2,942.25	2,788.36	153.88	19.120		
11,800.00	6,953.00	6,529.00	6,356.24	177.85	31.97	73.26	581.08	9,908.91	2,856.85	2,699.79	157.06	18.189		
11,900.00	6,953.00	6,529.00	6,356.24	180.40	31.97	73.26	581.08	9,908.91	2,772.44	2,612.04	160.40	17.285		
12,000.00	6,953.00	6,529.00	6,356.24	182.95	31.97	73.26	581.08	9,908.91	2,689.09	2,525.19	163.90	16.407		
12,100.00	6,953.00	6,529.00	6,356.24	185.50	31.97	73.26	581.08	9,908.91	2,606.92	2,439.35	167.57	15.557		
12,200.00	6,953.00	6,529.00	6,356.24	188.06	31.97	73.26	581.08	9,908.91	2,526.03	2,354.61	171.42	14.736		
12,300.00	6,953.00	6,529.00	6,356.24	190.63	31.97	73.26	581.08	9,908.91	2,446.56	2,271.11	175.45	13.944		
12,400.00	6,953.00	6,529.00	6,356.24	193.20	31.97	73.26	581.08	9,908.91	2,368.64	2,188.98	179.66	13.184		
12,500.00	6,953.00	6,529.00	6,356.24	195.77	31.97	73.26	581.08	9,908.91	2,292.44	2,108.38	184.05	12.455		
12,600.00	6,953.00	6,529.00	6,356.24	198.35	31.97	73.26	581.08	9,908.91	2,218.12	2,029.50	188.62	11.760		
12,700.00	6,953.00	6,529.00	6,356.24	200.93	31.97	73.26	581.08	9,908.91	2,145.90	1,952.54	193.36	11.098		
12,800.00	6,953.00	6,529.00	6,356.24	203.51	31.97	73.26	581.08	9,908.91	2,075.98	1,877.73	198.24	10.472		
12,900.00	6,953.00	6,529.00	6,356.24	206.10	31.97	73.26	581.08	9,908.91	2,008.60	1,805.34	203.26	9.882		
13,000.00	6,953.00	6,529.00	6,356.24	208.69	31.97	73.26	581.08	9,908.91	1,944.04	1,735.66	208.38	9.329		
13,100.00	6,953.00	6,529.00	6,356.24	211.29	31.97	73.26	581.08	9,908.91	1,882.58	1,669.01	213.57	8.815		
13,200.00	6,953.00	6,529.00	6,356.24	213.88	31.97	73.26	581.08	9,908.91	1,824.53	1,605.77	218.76	8.340		
13,300.00	6,953.00	6,529.00	6,356.24	216.48	31.97	73.26	581.08	9,908.91	1,770.23	1,546.34	223.89	7.907		
13,400.00	6,953.00	6,529.00	6,356.24	219.09	31.97	73.26	581.08	9,908.91	1,720.04	1,491.15	228.89	7.515		
13,500.00	6,953.00	6,529.00	6,356.24	221.69	31.97	73.26	581.08	9,908.91	1,674.32	1,440.65	233.67	7.165		
13,600.00	6,953.00	6,529.00	6,356.24	224.30	31.97	73.26	581.08	9,908.91	1,633.44	1,395.33	238.11	6.860		
13,700.00	6,953.00	6,529.00	6,356.24	226.92	31.97	73.26	581.08	9,908.91	1,597.79	1,355.67	242.12	6.599		
13,800.00	6,953.00	6,529.00	6,356.24	229.53	31.97	73.26	581.08	9,908.91	1,567.72	1,322.14	245.58	6.384		
13,900.00	6,953.00	6,555.00	6,381.33	232.15	32.10	74.24	574.67	9,911.14	1,543.18	1,293.67	249.51	6.185		
14,000.00	6,953.00	6,562.83	6,388.86	234.77	32.13	74.54	572.75	9,912.11	1,525.02	1,273.07	251.95	6.053		
14,100.00	6,953.00	6,573.41	6,399.01	237.39	32.18	74.94	570.16	9,913.63	1,513.18	1,259.47	253.70	5.964		
14,200.00	6,953.00	6,588.47	6,413.38	240.01	32.25	75.50	566.50	9,916.22	1,507.76	1,252.94	254.82	5.917		
14,234.00	6,953.00	6,595.15	6,419.73	240.90	32.28	75.75	564.88	9,917.52	1,507.37	1,252.30	255.08	5.909 CC		
14,300.00	6,953.00	6,611.55	6,435.23	242.64	32.36	76.36	560.94	9,921.13	1,508.72	1,253.24	255.47	5.906		
14,400.00	6,953.00	6,675.63	6,494.69	245.27	32.61	78.68	546.29	9,939.89	1,515.63	1,258.32	257.31	5.890		
14,500.00	6,953.00	6,733.54	6,546.69	247.90	32.81	80.71	534.21	9,962.31	1,527.41	1,269.21	258.20	5.916		
14,600.00	6,953.00	6,776.88	6,584.24	250.53	32.95	82.16	525.06	9,981.90	1,544.43	1,286.59	257.84	5.990		
14,700.00	6,953.00	6,829.27	6,627.93	253.16	33.11	83.85	513.66	10,008.44	1,566.17	1,308.68	257.49	6.083		
14,800.00	6,953.00	6,892.70	6,678.45	255.80	33.30	85.79	499.40	10,044.02	1,591.99	1,334.59	257.40	6.185		
14,900.00	6,953.00	7,438.94	6,978.08	258.43	34.42	96.74	438.90	10,480.91	1,600.04	1,320.61	279.43	5.726		
15,000.00	6,953.00	7,521.39	6,987.33	261.07	34.70	97.04	433.97	10,562.64	1,607.12	1,324.81	282.31	5.693		
15,100.00	6,953.00	7,722.38	6,992.68	263.71	35.99	97.20	425.53	10,763.32	1,611.38	1,320.98	290.40	5.549		
15,200.00	6,953.00	7,833.95	6,992.86	266.36	37.15	97.20	425.02	10,874.89	1,611.57	1,316.47	295.09	5.461		
15,300.00	6,953.00	7,925.38	6,991.83	269.00	38.36	97.16	423.82	10,966.30	1,612.51	1,313.31	299.20	5.389		
15,400.00	6,953.00	8,015.66	6,990.01	271.65	39.76	97.09	422.35	11,056.55	1,613.67	1,310.29	303.38	5.319		
15,500.00	6,953.00	8,110.69	6,988.41	274.29	41.40	97.03	420.10	11,151.54	1,615.61	1,307.77	307.84	5.248		
15,600.00	6,953.00	8,251.27	6,988.17	276.94	44.03	97.01	418.77	11,292.11	1,616.33	1,302.18	314.15	5.145		
15,678.23	6,953.00	8,320.00	6,988.65	279.01	45.38	97.03	419.04	11,360.83	1,615.95	1,298.43	317.51	5.089		
15,700.00	6,953.00	8,320.00	6,988.65	279.59	45.38	97.03	419.04	11,360.83	1,616.09	1,298.40	317.69	5.087		
15,800.00	6,953.00	8,380.81	6,989.11	282.24	46.64	97.04	417.95	11,421.63	1,618.11	1,297.29	320.82	5.044		
15,900.00	6,953.00	8,439.99	6,989.21	284.90	47.90	97.03	414.62	11,480.71	1,623.35	1,299.62	323.73	5.014		
16,000.00	6,953.00	8,610.63	6,989.90	287.55	51.66	97.02	406.05	11,651.09	1,628.69	1,296.70	331.99	4.906		
16,100.00	6,953.00	8,684.96	6,989.66	290.20	53.33	97.00	403.66	11,725.37	1,631.58	1,295.74	335.84	4.858		

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-20-01
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-20-01	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	
16,200.00	6,953.00	8,835.31	6,990.07	292.86	56.77	97.01	401.88	11,875.69	1,632.09	1,289.05	343.04	4.758	
16,300.00	6,953.00	8,947.76	6,990.50	295.52	59.39	97.03	401.46	11,988.14	1,632.32	1,283.74	348.58	4.683	
16,360.05	6,953.00	9,002.24	6,990.64	297.11	60.68	97.03	401.45	12,042.62	1,632.22	1,280.81	351.41	4.645	
16,400.00	6,953.00	9,038.97	6,990.54	298.18	61.55	97.03	401.32	12,079.35	1,632.27	1,278.95	353.32	4.620	
16,500.00	6,953.00	9,150.63	6,989.23	300.84	64.22	96.98	401.11	12,191.00	1,632.10	1,273.18	358.92	4.547	
16,600.00	6,953.00	9,248.26	6,987.31	303.50	66.59	96.92	401.35	12,288.61	1,631.41	1,267.41	364.00	4.482	
16,627.01	6,953.00	9,269.23	6,987.05	304.22	67.10	96.91	401.31	12,309.58	1,631.36	1,266.21	365.16	4.468	
16,700.00	6,953.00	9,334.73	6,986.90	306.16	68.70	96.90	400.88	12,375.07	1,631.66	1,263.05	368.61	4.426	
16,800.00	6,953.00	9,438.44	6,987.31	308.82	71.25	96.92	400.49	12,478.78	1,631.87	1,257.94	373.92	4.364	
16,900.00	6,953.00	9,544.60	6,986.58	311.49	73.89	96.89	399.94	12,584.94	1,632.10	1,252.73	379.37	4.302	
16,988.47	6,953.00	9,630.71	6,985.86	313.84	76.04	96.87	399.88	12,671.04	1,631.89	1,248.00	383.89	4.251	
17,000.00	6,953.00	9,640.93	6,985.90	314.15	76.30	96.87	399.86	12,681.27	1,631.89	1,247.46	384.44	4.245	
17,100.00	6,953.00	9,745.22	6,987.00	316.82	78.92	96.90	399.70	12,785.55	1,631.97	1,242.18	389.79	4.187	
17,200.00	6,953.00	9,863.94	6,987.46	319.48	81.91	96.92	400.16	12,904.27	1,631.47	1,235.74	395.72	4.123	
17,300.00	6,953.00	9,983.28	6,987.03	322.15	84.93	96.92	403.04	13,023.57	1,628.67	1,227.02	401.65	4.055	
17,400.00	6,953.00	10,059.74	6,987.51	324.82	86.87	96.95	404.32	13,100.01	1,626.88	1,220.87	406.01	4.007	
17,500.00	6,953.00	10,152.92	6,988.11	327.49	89.25	96.97	404.65	13,193.19	1,626.37	1,215.40	410.97	3.957	
17,600.00	6,953.00	10,275.47	6,987.55	330.16	92.39	96.96	406.06	13,315.74	1,624.95	1,207.87	417.08	3.896	
17,700.00	6,953.00	10,380.00	6,985.99	332.83	95.07	96.91	408.07	13,420.23	1,622.65	1,200.11	422.54	3.840	
17,800.00	6,953.00	10,457.40	6,985.26	335.50	97.07	96.89	409.13	13,497.61	1,620.97	1,193.99	426.98	3.796	
17,900.00	6,953.00	10,587.36	6,986.53	338.17	100.43	96.95	411.46	13,627.54	1,619.10	1,185.79	433.30	3.737	
18,000.00	6,953.00	10,671.18	6,986.16	340.85	102.60	96.94	413.46	13,711.34	1,616.53	1,178.52	438.01	3.691	
18,071.22	6,953.00	10,713.65	6,985.97	342.75	103.70	96.94	413.72	13,753.81	1,615.89	1,175.24	440.65	3.667	
18,100.00	6,953.00	10,737.00	6,985.96	343.52	104.31	96.94	413.56	13,777.16	1,616.02	1,174.07	441.94	3.657	
18,200.00	6,953.00	10,826.00	6,987.03	346.19	106.63	96.97	413.33	13,866.15	1,616.26	1,169.54	446.73	3.618	
18,300.00	6,953.00	10,916.00	6,987.29	348.87	108.99	96.98	412.07	13,956.13	1,617.49	1,165.93	451.57	3.582	
18,400.00	6,953.00	11,002.90	6,985.52	351.55	111.28	96.91	409.27	14,042.96	1,620.14	1,163.83	456.32	3.550	
18,500.00	6,953.00	11,127.65	6,981.33	354.22	114.56	96.75	406.47	14,167.61	1,621.75	1,158.85	462.90	3.503	
18,600.00	6,953.00	11,221.80	6,977.40	356.90	117.04	96.60	405.08	14,261.67	1,622.54	1,154.48	468.07	3.466	
18,700.00	6,953.00	11,297.27	6,974.49	359.58	119.04	96.49	403.00	14,337.05	1,624.62	1,152.30	472.32	3.440	
18,800.00	6,953.00	11,378.81	6,973.59	362.26	121.20	96.45	399.90	14,418.53	1,628.05	1,151.32	476.73	3.415	
18,900.00	6,953.00	11,474.05	6,973.52	364.94	123.73	96.43	395.75	14,513.67	1,632.16	1,150.34	481.82	3.387 ES	
19,000.00	6,953.00	11,516.00	6,973.44	367.62	124.84	96.42	393.88	14,555.58	1,637.41	1,153.64	483.77	3.385 SF	
19,073.74	6,953.00	11,516.00	6,973.44	369.59	124.84	96.42	393.88	14,555.58	1,644.77	1,162.22	482.55	3.409	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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	1,444.94	2,601.44	2,547.59	7.92	10.86	22.69	1,470.12	10,146.13	10,014.53	9,998.15	16.37	611.610		
1,600.00	1,532.39	2,653.00	2,596.10	8.84	11.18	23.41	1,453.05	10,142.44	9,958.34	9,941.19	17.15	580.703		
1,700.00	1,618.11	2,653.00	2,596.10	9.83	11.18	23.99	1,453.05	10,142.44	9,899.83	9,882.19	17.64	561.340		
1,800.00	1,701.97	2,681.68	2,623.19	10.89	11.36	24.72	1,443.83	10,140.53	9,839.31	9,821.00	18.31	537.501		
1,900.00	1,783.88	2,808.74	2,743.36	12.02	12.14	25.92	1,403.49	10,131.99	9,776.57	9,757.01	19.57	499.633		
1,991.28	1,856.86	2,877.84	2,808.45	13.11	12.58	26.92	1,380.86	10,126.80	9,716.69	9,696.22	20.47	474.716		
2,000.00	1,863.75	2,879.38	2,809.90	13.21	12.59	26.93	1,380.37	10,126.69	9,710.90	9,690.37	20.53	473.028		
2,100.00	1,942.74	2,922.00	2,850.34	14.45	12.85	27.12	1,367.23	10,123.77	9,644.96	9,623.63	21.33	452.176		
2,200.00	2,021.72	2,955.86	2,882.48	15.69	13.06	27.26	1,356.84	10,121.43	9,579.22	9,557.13	22.09	433.585		
2,300.00	2,100.71	3,055.07	2,976.56	16.95	13.68	27.71	1,326.15	10,114.39	9,513.57	9,490.31	23.25	409.148		
2,400.00	2,179.70	3,102.00	3,021.11	18.21	13.97	27.92	1,311.79	10,111.01	9,448.06	9,423.94	24.12	391.654		
2,500.00	2,258.69	3,102.00	3,021.11	19.47	13.97	27.92	1,311.79	10,111.01	9,383.00	9,358.27	24.73	379.354		
2,600.00	2,337.68	3,152.02	3,068.63	20.74	14.28	28.14	1,296.55	10,107.64	9,318.23	9,292.58	25.65	363.278		
2,700.00	2,416.66	3,191.00	3,105.64	22.02	14.52	28.32	1,284.55	10,105.29	9,254.01	9,227.49	26.52	349.008		
2,800.00	2,495.65	3,191.00	3,105.64	23.29	14.52	28.32	1,284.55	10,105.29	9,190.22	9,163.06	27.16	338.341		
2,900.00	2,574.64	3,414.04	3,316.48	24.57	15.93	29.37	1,213.26	10,091.54	9,126.19	9,097.01	29.18	312.791		
3,000.00	2,653.63	3,461.00	3,360.83	25.85	16.24	29.60	1,198.11	10,088.66	9,062.35	9,032.21	30.15	300.622		
3,100.00	2,732.62	3,666.01	3,552.77	27.14	17.62	30.64	1,127.73	10,073.84	8,998.25	8,966.10	32.16	279.827		
3,200.00	2,811.61	3,720.24	3,603.09	28.42	18.00	30.93	1,107.97	10,069.55	8,933.66	8,900.43	33.23	268.869		
3,300.00	2,890.59	3,731.00	3,613.07	29.71	18.07	30.99	1,104.03	10,068.70	8,869.48	8,835.47	34.02	260.747		
3,400.00	2,969.58	3,763.35	3,643.11	31.00	18.30	31.16	1,092.28	10,066.28	8,805.77	8,770.81	34.96	251.873		
3,500.00	3,048.57	3,781.71	3,660.21	32.29	18.42	31.26	1,085.70	10,065.02	8,742.65	8,706.83	35.82	244.049		
3,600.00	3,127.56	3,820.00	3,695.95	33.58	18.69	31.46	1,072.18	10,062.65	8,680.17	8,643.33	36.83	235.665		
3,700.00	3,206.55	3,820.00	3,695.95	34.87	18.69	31.46	1,072.18	10,062.65	8,618.11	8,580.52	37.59	229.257		
3,800.00	3,285.53	3,820.00	3,695.95	36.16	18.69	31.46	1,072.18	10,062.65	8,556.78	8,518.42	38.36	223.066		
3,900.00	3,364.52	3,870.38	3,743.27	37.45	19.02	31.73	1,055.11	10,059.95	8,495.82	8,456.35	39.47	215.242		
4,000.00	3,443.51	3,909.00	3,779.80	38.74	19.27	31.93	1,042.72	10,058.13	8,435.52	8,395.01	40.51	208.209		
4,100.00	3,522.50	3,909.00	3,779.80	40.04	19.27	31.93	1,042.72	10,058.13	8,375.77	8,334.46	41.31	202.731		
4,200.00	3,601.49	3,950.68	3,819.54	41.33	19.52	32.14	1,030.25	10,056.39	8,316.54	8,274.17	42.38	196.259		
4,300.00	3,680.47	4,340.75	4,191.31	42.63	21.95	34.16	915.11	10,033.95	8,256.59	8,210.98	45.60	181.046		
4,400.00	3,759.46	4,385.05	4,233.17	43.92	22.24	34.40	900.99	10,030.59	8,195.64	8,148.90	46.74	175.348		
4,500.00	3,838.45	4,427.98	4,273.94	45.22	22.51	34.63	887.94	10,027.42	8,135.14	8,087.27	47.87	169.937		
4,600.00	3,917.44	4,446.00	4,291.12	46.51	22.63	34.73	882.65	10,026.12	8,075.14	8,026.29	48.86	165.279		
4,700.00	3,996.43	4,494.44	4,337.30	47.81	22.93	34.99	868.42	10,022.80	8,015.61	7,965.57	50.04	160.173		
4,800.00	4,075.42	4,535.00	4,375.92	49.10	23.18	35.22	856.28	10,020.26	7,956.70	7,905.51	51.19	155.422		
4,900.00	4,154.40	4,572.24	4,411.26	50.40	23.42	35.42	844.76	10,018.05	7,898.31	7,845.96	52.35	150.878		
5,000.00	4,233.39	4,625.00	4,461.04	51.70	23.77	35.73	827.56	10,014.94	7,840.33	7,786.71	53.63	146.206		
5,100.00	4,312.38	4,659.02	4,492.96	52.99	24.00	35.93	815.95	10,013.01	7,782.87	7,728.07	54.80	142.014		
5,200.00	4,391.37	4,691.93	4,523.71	54.29	24.23	36.13	804.37	10,011.26	7,726.01	7,670.02	55.99	137.993		
5,300.00	4,470.36	4,714.00	4,544.27	55.59	24.38	36.26	796.41	10,010.14	7,669.78	7,612.68	57.11	134.307		
5,400.00	4,549.34	4,763.90	4,590.86	56.89	24.72	36.56	778.71	10,007.80	7,614.14	7,555.69	58.44	130.282		
5,500.00	4,628.33	4,932.39	4,749.64	58.18	25.85	37.57	723.00	9,999.20	7,558.51	7,497.87	60.64	124.644		
5,600.00	4,707.32	4,984.00	4,798.29	59.48	26.19	37.88	706.02	9,996.40	7,503.08	7,441.07	62.01	120.997		
5,700.00	4,786.31	4,984.00	4,798.29	60.78	26.19	37.88	706.02	9,996.40	7,448.22	7,385.20	63.02	118.187		
5,800.00	4,865.30	5,024.21	4,836.34	62.08	26.44	38.12	693.18	9,994.51	7,394.08	7,329.76	64.32	114.962		
5,900.00	4,944.28	5,055.37	4,866.04	63.38	26.64	38.31	683.80	9,993.25	7,340.65	7,275.09	65.56	111.966		
6,000.00	5,023.27	5,145.73	4,952.63	64.68	27.19	38.83	658.23	9,989.93	7,287.77	7,220.56	67.21	108.434		
6,100.00	5,102.26	5,320.92	5,118.55	65.97	28.33	39.92	602.89	9,980.83	7,234.37	7,164.83	69.54	104.036		
6,200.00	5,181.25	5,366.00	5,160.73	67.27	28.64	40.21	587.25	9,977.97	7,181.09	7,110.11	70.97	101.182		
6,300.00	5,260.24	5,406.02	5,198.33	68.57	28.91	40.47	573.75	9,975.59	7,128.46	7,056.09	72.37	98.504		
6,400.00	5,339.23	5,456.00	5,245.81	69.87	29.23	40.78	558.33	9,973.28	7,076.80	7,002.96	73.84	95.835		
6,500.00	5,418.21	5,723.00	5,498.40	71.17	30.98	42.51	473.67	9,956.18	7,024.92	6,947.97	76.94	91.302		

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-20-01
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-20-01	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	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)			
6,600.00	5,497.20	5,760.28	5,533.43	72.47	31.24	42.77	461.32	9,952.95	6,972.10	6,893.72	78.39	88.945		
6,700.00	5,576.19	5,775.51	5,547.74	73.77	31.34	42.87	456.23	9,951.79	6,920.35	6,840.67	79.67	86.857		
6,800.00	5,655.18	5,813.00	5,582.94	75.07	31.60	43.12	443.57	9,949.36	6,869.66	6,788.51	81.15	84.653		
6,900.00	5,734.17	5,813.00	5,582.94	76.37	31.60	43.12	443.57	9,949.36	6,819.65	6,737.31	82.34	82.825		
7,000.00	5,813.15	5,813.00	5,582.94	77.67	31.60	43.12	443.57	9,949.36	6,770.75	6,687.21	83.53	81.056		
7,100.00	5,892.14	5,846.27	5,614.23	78.97	31.82	43.35	432.39	9,947.65	6,722.73	6,637.73	85.00	79.089		
7,200.00	5,971.13	5,867.93	5,634.65	80.27	31.96	43.50	425.24	9,946.74	6,675.71	6,589.32	86.39	77.277		
7,300.00	6,050.12	5,902.00	5,666.87	81.57	32.19	43.73	414.21	9,945.62	6,629.67	6,541.79	87.88	75.438		
7,400.00	6,129.11	5,925.69	5,689.29	82.86	32.34	43.89	406.59	9,944.98	6,584.53	6,495.23	89.30	73.735		
7,500.00	6,208.09	6,253.85	5,998.80	84.16	34.53	46.17	298.86	9,928.97	6,538.78	6,445.50	93.28	70.102		
7,600.00	6,287.08	6,312.76	6,054.52	85.46	34.92	46.58	280.19	9,924.83	6,492.22	6,397.19	95.03	68.314		
7,700.00	6,366.07	6,351.00	6,090.81	86.76	35.17	46.85	268.37	9,922.50	6,446.69	6,350.05	96.64	66.708		
7,800.00	6,445.06	6,378.59	6,117.05	88.06	35.34	47.04	259.97	9,920.99	6,402.05	6,303.88	98.16	65.218		
7,900.00	6,524.05	6,417.43	6,154.03	89.36	35.59	47.32	248.25	9,919.03	6,358.30	6,258.51	99.79	63.719		
8,000.00	6,603.03	6,440.00	6,175.54	90.66	35.73	47.47	241.50	9,917.98	6,315.47	6,214.18	101.29	62.351		
8,100.00	6,682.02	6,440.00	6,175.54	91.96	35.73	47.47	241.50	9,917.98	6,273.87	6,171.26	102.61	61.143		
8,133.44	6,708.44	6,440.00	6,175.54	92.40	35.73	47.47	241.50	9,917.98	6,260.25	6,157.20	103.05	60.749		
8,150.00	6,721.39	6,440.00	6,175.54	92.62	35.73	46.57	241.50	9,917.98	6,253.35	6,150.08	103.27	60.553		
8,200.00	6,758.90	6,440.00	6,175.54	93.34	35.73	44.44	241.50	9,917.98	6,230.23	6,126.28	103.95	59.935		
8,250.00	6,793.76	6,440.00	6,175.54	94.13	35.73	43.08	241.50	9,917.98	6,203.77	6,099.13	104.64	59.285		
8,300.00	6,825.72	6,440.00	6,175.54	95.00	35.73	42.39	241.50	9,917.98	6,174.13	6,068.79	105.35	58.608		
8,350.00	6,854.52	6,440.00	6,175.54	95.93	35.73	42.34	241.50	9,917.98	6,141.49	6,035.44	106.05	57.911		
8,400.00	6,879.97	6,440.00	6,175.54	96.92	35.73	42.94	241.50	9,917.98	6,106.06	5,999.31	106.75	57.200		
8,450.00	6,901.84	6,440.00	6,175.54	97.95	35.73	44.24	241.50	9,917.98	6,068.06	5,960.62	107.44	56.480		
8,500.00	6,920.00	6,440.00	6,175.54	99.02	35.73	46.40	241.50	9,917.98	6,027.72	5,919.62	108.11	55.758		
8,550.00	6,934.28	6,440.00	6,175.54	100.12	35.73	49.63	241.50	9,917.98	5,985.32	5,876.58	108.75	55.038		
8,600.00	6,944.59	6,440.00	6,175.54	101.22	35.73	54.33	241.50	9,917.98	5,941.14	5,831.78	109.36	54.327		
8,650.00	6,950.84	6,440.00	6,175.54	102.33	35.73	61.07	241.50	9,917.98	5,895.48	5,785.55	109.93	53.628		
8,701.16	6,953.00	6,440.00	6,175.54	103.44	35.73	70.98	241.50	9,917.98	5,847.55	5,737.07	110.47	52.932		
8,800.00	6,953.00	6,440.00	6,175.54	105.59	35.73	70.98	241.50	9,917.98	5,754.09	5,642.60	111.49	51.613		
8,900.00	6,953.00	6,440.00	6,175.54	107.79	35.73	70.98	241.50	9,917.98	5,659.72	5,547.17	112.55	50.288		
9,000.00	6,953.00	6,440.00	6,175.54	110.02	35.73	70.98	241.50	9,917.98	5,565.54	5,451.90	113.64	48.974		
9,100.00	6,953.00	6,440.00	6,175.54	112.26	35.73	70.98	241.50	9,917.98	5,471.57	5,356.79	114.78	47.670		
9,200.00	6,953.00	6,440.00	6,175.54	114.52	35.73	70.98	241.50	9,917.98	5,377.82	5,261.86	115.96	46.378		
9,300.00	6,953.00	6,440.00	6,175.54	116.80	35.73	70.98	241.50	9,917.98	5,284.30	5,167.12	117.18	45.097		
9,400.00	6,953.00	6,440.00	6,175.54	119.10	35.73	70.98	241.50	9,917.98	5,191.01	5,072.57	118.44	43.827		
9,500.00	6,953.00	6,440.00	6,175.54	121.42	35.73	70.98	241.50	9,917.98	5,097.99	4,978.23	119.75	42.571		
9,600.00	6,953.00	6,440.00	6,175.54	123.75	35.73	70.98	241.50	9,917.98	5,005.23	4,884.12	121.11	41.327		
9,700.00	6,953.00	6,440.00	6,175.54	126.10	35.73	70.98	241.50	9,917.98	4,912.76	4,790.23	122.53	40.096		
9,800.00	6,953.00	6,440.00	6,175.54	128.46	35.73	70.98	241.50	9,917.98	4,820.58	4,696.59	123.99	38.878		
9,900.00	6,953.00	6,440.00	6,175.54	130.84	35.73	70.98	241.50	9,917.98	4,728.73	4,603.22	125.51	37.675		
10,000.00	6,953.00	6,440.00	6,175.54	133.23	35.73	70.98	241.50	9,917.98	4,637.21	4,510.12	127.09	36.487		
10,100.00	6,953.00	6,440.00	6,175.54	135.63	35.73	70.98	241.50	9,917.98	4,546.05	4,417.32	128.73	35.314		
10,200.00	6,953.00	6,440.00	6,175.54	138.04	35.73	70.98	241.50	9,917.98	4,455.27	4,324.83	130.44	34.156		
10,300.00	6,953.00	6,440.00	6,175.54	140.46	35.73	70.98	241.50	9,917.98	4,364.89	4,232.68	132.21	33.014		
10,400.00	6,953.00	6,440.00	6,175.54	142.90	35.73	70.98	241.50	9,917.98	4,274.94	4,140.88	134.06	31.889		
10,500.00	6,953.00	6,440.00	6,175.54	145.34	35.73	70.98	241.50	9,917.98	4,185.45	4,049.47	135.97	30.781		
10,600.00	6,953.00	6,440.00	6,175.54	147.80	35.73	70.98	241.50	9,917.98	4,096.44	3,958.47	137.97	29.691		
10,700.00	6,953.00	6,440.00	6,175.54	150.26	35.73	70.98	241.50	9,917.98	4,007.95	3,867.91	140.04	28.619		
10,800.00	6,953.00	6,440.00	6,175.54	152.73	35.73	70.98	241.50	9,917.98	3,920.02	3,777.81	142.20	27.566		
10,900.00	6,953.00	6,440.00	6,175.54	155.21	35.73	70.98	241.50	9,917.98	3,832.67	3,688.22	144.45	26.533		
11,000.00	6,953.00	6,440.00	6,175.54	157.70	35.73	70.98	241.50	9,917.98	3,745.96	3,599.17	146.79	25.519		

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-20-01
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-20-01	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	6,953.00	6,440.00	6,175.54	160.20	35.73	70.98	241.50	9,917.98	3,659.93	3,510.70	149.22	24.527		
11,200.00	6,953.00	6,440.00	6,175.54	162.70	35.73	70.98	241.50	9,917.98	3,574.62	3,422.87	151.76	23.555		
11,300.00	6,953.00	6,440.00	6,175.54	165.21	35.73	70.98	241.50	9,917.98	3,490.10	3,335.70	154.39	22.605		
11,400.00	6,953.00	6,440.00	6,175.54	167.73	35.73	70.98	241.50	9,917.98	3,406.41	3,249.27	157.14	21.678		
11,500.00	6,953.00	6,440.00	6,175.54	170.25	35.73	70.98	241.50	9,917.98	3,323.62	3,163.63	159.99	20.774		
11,600.00	6,953.00	6,440.00	6,175.54	172.78	35.73	70.98	241.50	9,917.98	3,241.81	3,078.85	162.96	19.894		
11,700.00	6,953.00	6,440.00	6,175.54	175.31	35.73	70.98	241.50	9,917.98	3,161.04	2,995.00	166.04	19.038		
11,800.00	6,953.00	6,440.00	6,175.54	177.85	35.73	70.98	241.50	9,917.98	3,081.40	2,912.16	169.24	18.208		
11,900.00	6,953.00	6,440.00	6,175.54	180.40	35.73	70.98	241.50	9,917.98	3,002.98	2,830.42	172.56	17.403		
12,000.00	6,953.00	6,440.00	6,175.54	182.95	35.73	70.98	241.50	9,917.98	2,925.87	2,749.87	176.00	16.625		
12,100.00	6,953.00	6,440.00	6,175.54	185.50	35.73	70.98	241.50	9,917.98	2,850.19	2,670.63	179.56	15.874		
12,200.00	6,953.00	6,440.00	6,175.54	188.06	35.73	70.98	241.50	9,917.98	2,776.04	2,592.81	183.23	15.150		
12,300.00	6,953.00	6,440.00	6,175.54	190.63	35.73	70.98	241.50	9,917.98	2,703.57	2,516.55	187.02	14.456		
12,400.00	6,953.00	6,440.00	6,175.54	193.20	35.73	70.98	241.50	9,917.98	2,632.89	2,441.98	190.92	13.791		
12,500.00	6,953.00	6,440.00	6,175.54	195.77	35.73	70.98	241.50	9,917.98	2,564.17	2,369.26	194.91	13.156		
12,600.00	6,953.00	6,440.00	6,175.54	198.35	35.73	70.98	241.50	9,917.98	2,497.56	2,298.57	198.99	12.551		
12,700.00	6,953.00	6,440.00	6,175.54	200.93	35.73	70.98	241.50	9,917.98	2,433.24	2,230.10	203.14	11.978		
12,800.00	6,953.00	6,440.00	6,175.54	203.51	35.73	70.98	241.50	9,917.98	2,371.39	2,164.06	207.34	11.437		
12,900.00	6,953.00	6,440.00	6,175.54	206.10	35.73	70.98	241.50	9,917.98	2,312.22	2,100.66	211.56	10.929		
13,000.00	6,953.00	6,440.00	6,175.54	208.69	35.73	70.98	241.50	9,917.98	2,255.93	2,040.14	215.79	10.454		
13,100.00	6,953.00	6,440.00	6,175.54	211.29	35.73	70.98	241.50	9,917.98	2,202.74	1,982.77	219.97	10.014		
13,200.00	6,953.00	6,440.00	6,175.54	213.88	35.73	70.98	241.50	9,917.98	2,152.88	1,928.81	224.08	9.608		
13,300.00	6,953.00	6,440.00	6,175.54	216.48	35.73	70.98	241.50	9,917.98	2,106.60	1,878.54	228.06	9.237		
13,400.00	6,953.00	6,440.00	6,175.54	219.09	35.73	70.98	241.50	9,917.98	2,064.13	1,832.25	231.87	8.902		
13,500.00	6,953.00	6,440.00	6,175.54	221.69	35.73	70.98	241.50	9,917.98	2,025.70	1,790.24	235.46	8.603		
13,600.00	6,953.00	6,440.00	6,175.54	224.30	35.73	70.98	241.50	9,917.98	1,991.56	1,752.80	238.76	8.341		
13,700.00	6,953.00	6,440.00	6,175.54	226.92	35.73	70.98	241.50	9,917.98	1,961.93	1,720.20	241.73	8.116		
13,800.00	6,953.00	6,440.00	6,175.54	229.53	35.73	70.98	241.50	9,917.98	1,937.01	1,692.71	244.30	7.929		
13,900.00	6,953.00	6,440.00	6,175.54	232.15	35.73	70.98	241.50	9,917.98	1,916.99	1,670.56	246.44	7.779		
14,000.00	6,953.00	6,440.00	6,175.54	234.77	35.73	70.98	241.50	9,917.98	1,902.03	1,653.94	248.09	7.667		
14,100.00	6,953.00	6,440.00	6,175.54	237.39	35.73	70.98	241.50	9,917.98	1,892.24	1,643.01	249.23	7.592		
14,200.00	6,953.00	6,465.39	6,199.71	240.01	35.89	71.75	233.75	9,917.50	1,887.32	1,636.39	250.93	7.521		
14,235.30	6,953.00	6,465.53	6,199.84	240.94	35.89	71.76	233.70	9,917.51	1,886.99	1,635.97	251.02	7.517 CC		
14,300.00	6,953.00	6,465.82	6,200.11	242.64	35.89	71.77	233.61	9,917.51	1,888.10	1,637.08	251.02	7.522		
14,400.00	6,953.00	6,466.34	6,200.61	245.27	35.89	71.78	233.45	9,917.51	1,894.17	1,643.60	250.57	7.559		
14,500.00	6,953.00	6,467.00	6,201.24	247.90	35.90	71.80	233.24	9,917.52	1,905.47	1,655.86	249.61	7.634		
14,600.00	6,953.00	6,467.86	6,202.05	250.53	35.90	71.83	232.97	9,917.53	1,921.91	1,673.76	248.15	7.745		
14,700.00	6,953.00	6,469.03	6,203.16	253.16	35.91	71.87	232.61	9,917.55	1,943.37	1,697.11	246.25	7.892		
14,800.00	6,953.00	6,774.76	6,474.76	255.80	37.43	80.49	140.29	10,011.85	1,968.60	1,709.73	258.87	7.605		
14,900.00	6,953.00	6,924.27	6,590.35	258.43	37.95	84.06	103.30	10,098.80	1,992.05	1,728.17	263.88	7.549		
15,000.00	6,953.00	7,575.91	6,831.70	261.07	39.87	91.18	24.85	10,675.33	1,999.86	1,710.73	289.13	6.917		
15,100.00	6,953.00	7,683.03	6,833.30	263.71	40.42	91.23	24.17	10,782.44	2,000.33	1,706.87	293.47	6.816		
15,200.00	6,953.00	7,812.56	6,835.18	266.36	41.36	91.28	24.87	10,911.95	1,999.63	1,700.97	298.66	6.695		
15,300.00	6,953.00	7,913.78	6,837.24	269.00	42.34	91.34	26.71	11,013.12	1,997.64	1,694.51	303.13	6.590		
15,400.00	6,953.00	8,003.79	6,838.16	271.65	43.41	91.37	27.40	11,103.13	1,996.66	1,689.29	307.36	6.496		
15,500.00	6,953.00	8,099.80	6,839.36	274.29	44.75	91.40	28.49	11,199.12	1,995.36	1,683.48	311.88	6.398		
15,600.00	6,953.00	8,197.65	6,837.04	276.94	46.31	91.34	28.71	11,296.95	1,994.85	1,678.31	316.54	6.302		
15,700.00	6,953.00	8,332.43	6,832.95	279.59	48.68	91.22	30.47	11,431.65	1,993.28	1,670.81	322.47	6.181		
15,800.00	6,953.00	8,431.71	6,829.58	282.24	50.56	91.13	33.15	11,530.84	1,990.31	1,662.96	327.34	6.080		
15,900.00	6,953.00	8,499.00	6,827.71	284.90	51.89	91.07	33.62	11,598.09	1,989.12	1,657.93	331.19	6.006		
15,916.30	6,953.00	8,499.00	6,827.71	285.33	51.89	91.07	33.62	11,598.09	1,989.06	1,657.63	331.43	6.001		
16,000.00	6,953.00	8,591.52	6,825.58	287.55	53.82	91.01	33.33	11,690.58	1,989.13	1,653.23	335.90	5.922		

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-20-01
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-20-01	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		
16,095.24	6,953.00	8,678.00	6,823.52	290.08	55.66	90.95	34.16	11,777.04	1,988.06	1,647.70	340.36	5.841		
16,100.00	6,953.00	8,678.00	6,823.52	290.20	55.66	90.95	34.16	11,777.04	1,988.07	1,647.64	340.43	5.840		
16,200.00	6,953.00	8,768.00	6,821.31	292.86	57.63	90.89	33.68	11,867.00	1,988.37	1,643.27	345.10	5.762		
16,300.00	6,953.00	8,815.98	6,820.62	295.52	58.72	90.87	32.15	11,914.96	1,990.86	1,642.74	348.12	5.719		
16,400.00	6,953.00	8,914.31	6,821.60	298.18	60.98	90.89	28.29	12,013.20	1,994.59	1,641.44	353.14	5.648		
16,500.00	6,953.00	9,046.55	6,824.74	300.84	64.07	90.98	24.56	12,145.35	1,997.24	1,637.67	359.57	5.555		
16,600.00	6,953.00	9,159.63	6,824.72	303.50	66.75	90.98	22.62	12,258.40	1,998.75	1,633.52	365.23	5.473		
16,700.00	6,953.00	9,266.11	6,823.90	306.16	69.30	90.96	21.37	12,364.88	1,999.70	1,629.05	370.65	5.395		
16,800.00	6,953.00	9,372.30	6,823.84	308.82	71.87	90.95	20.37	12,471.05	2,000.43	1,624.36	376.07	5.319		
16,900.00	6,953.00	9,484.85	6,824.68	311.49	74.61	90.98	19.87	12,583.61	2,000.67	1,618.94	381.73	5.241		
17,000.00	6,953.00	9,594.82	6,826.81	314.15	77.32	91.04	20.19	12,693.55	2,000.20	1,612.89	387.31	5.164		
17,082.12	6,953.00	9,665.00	6,827.31	316.34	79.05	91.05	20.27	12,763.73	1,999.94	1,608.78	391.16	5.113		
17,100.00	6,953.00	9,665.00	6,827.31	316.82	79.05	91.05	20.27	12,763.73	2,000.02	1,608.60	391.42	5.110		
17,200.00	6,953.00	9,755.00	6,827.43	319.48	81.30	91.06	19.14	12,853.72	2,001.08	1,604.81	396.27	5.050		
17,300.00	6,953.00	9,863.02	6,828.53	322.15	84.02	91.09	17.43	12,961.72	2,002.48	1,600.64	401.84	4.983		
17,400.00	6,953.00	9,954.81	6,829.86	324.82	86.34	91.13	16.02	13,053.49	2,003.83	1,597.05	406.78	4.926		
17,500.00	6,953.00	10,064.10	6,831.65	327.49	89.11	91.18	14.72	13,162.75	2,004.82	1,592.41	412.41	4.861		
17,600.00	6,953.00	10,167.70	6,829.35	330.16	91.75	91.11	13.43	13,266.31	2,005.82	1,587.98	417.84	4.800		
17,700.00	6,953.00	10,284.70	6,827.62	332.83	94.74	91.06	12.73	13,383.29	2,006.18	1,582.41	423.78	4.734		
17,718.80	6,953.00	10,301.96	6,827.50	333.33	95.18	91.06	12.71	13,400.56	2,006.17	1,581.45	424.71	4.724		
17,800.00	6,953.00	10,368.16	6,826.95	335.50	96.88	91.04	12.31	13,466.75	2,006.47	1,578.02	428.45	4.683		
17,900.00	6,953.00	10,557.62	6,825.88	338.17	101.73	91.01	15.58	13,656.16	2,004.11	1,567.31	436.79	4.588		
18,000.00	6,953.00	10,634.01	6,826.39	340.85	103.68	91.03	17.83	13,732.51	2,000.97	1,559.60	441.37	4.534		
18,100.00	6,953.00	10,721.66	6,827.97	343.52	105.94	91.07	19.57	13,820.13	1,998.80	1,552.52	446.27	4.479		
18,200.00	6,953.00	10,820.90	6,830.36	346.19	108.51	91.14	21.26	13,919.33	1,996.93	1,545.38	451.55	4.422		
18,300.00	6,953.00	10,942.99	6,834.55	348.87	111.66	91.27	24.38	14,041.30	1,994.18	1,536.62	457.56	4.358		
18,400.00	6,953.00	11,005.00	6,834.99	351.55	113.27	91.28	25.87	14,103.29	1,991.80	1,530.17	461.63	4.315		
18,473.29	6,953.00	11,056.79	6,834.37	353.51	114.62	91.26	26.32	14,155.08	1,991.11	1,526.35	464.76	4.284		
18,500.00	6,953.00	11,071.23	6,834.16	354.22	114.99	91.26	26.24	14,169.51	1,991.19	1,525.48	465.71	4.276		
18,600.00	6,953.00	11,165.64	6,832.61	356.90	117.47	91.21	24.85	14,263.90	1,992.39	1,521.56	470.84	4.232		
18,700.00	6,953.00	11,271.23	6,830.66	359.58	120.24	91.15	23.86	14,369.47	1,993.08	1,516.67	476.41	4.184		
18,800.00	6,953.00	11,374.72	6,828.61	362.26	122.96	91.10	22.97	14,472.93	1,993.68	1,511.79	481.89	4.137		
18,900.00	6,953.00	11,494.10	6,826.48	364.94	126.09	91.03	23.00	14,592.29	1,993.38	1,505.41	487.97	4.085		
18,916.42	6,953.00	11,500.00	6,826.38	365.38	126.25	91.03	23.01	14,598.19	1,993.32	1,504.86	488.46	4.081 ES		
19,000.00	6,953.00	11,500.00	6,826.38	367.62	126.25	91.03	23.01	14,598.19	1,995.07	1,505.69	489.38	4.077 SF		
19,073.74	6,953.00	11,500.00	6,826.38	369.59	126.25	91.03	23.01	14,598.19	1,999.52	1,510.02	489.50	4.085		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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						
1,500.00	1,444.94	2,473.00	2,416.25	7.92	10.77	22.87	1,419.79	10,147.95	9,994.11	9,977.79	16.32	612.420						
1,600.00	1,532.39	2,498.84	2,440.04	8.84	10.95	23.49	1,409.80	10,146.58	9,938.98	9,922.01	16.96	585.877						
1,700.00	1,618.11	2,715.74	2,641.48	9.83	12.42	24.91	1,330.59	10,133.21	9,881.29	9,862.44	18.86	523.990						
1,800.00	1,701.97	2,742.00	2,666.09	10.89	12.60	25.67	1,321.61	10,131.29	9,820.59	9,801.05	19.54	502.708						
1,900.00	1,783.88	3,191.00	3,090.47	12.02	15.47	28.27	1,181.62	10,088.98	9,756.51	9,733.77	22.73	429.181						
1,991.28	1,856.86	3,191.00	3,090.47	13.11	15.47	29.07	1,181.62	10,088.98	9,695.15	9,671.91	23.24	417.183						
2,000.00	1,863.75	3,191.00	3,090.47	13.21	15.47	29.07	1,181.62	10,088.98	9,689.22	9,665.93	23.29	415.981						
2,100.00	1,942.74	3,233.17	3,130.01	14.45	15.76	29.27	1,167.67	10,084.50	9,621.33	9,597.21	24.12	398.876						
2,200.00	2,021.72	3,281.00	3,174.71	15.69	16.08	29.50	1,151.31	10,079.80	9,553.96	9,528.96	25.00	382.104						
2,300.00	2,100.71	3,281.00	3,174.71	16.95	16.08	29.50	1,151.31	10,079.80	9,486.88	9,461.28	25.60	370.560						
2,400.00	2,179.70	3,325.23	3,216.08	18.21	16.38	29.72	1,136.24	10,075.66	9,420.23	9,393.74	26.49	355.583						
2,500.00	2,258.69	3,371.00	3,259.14	19.47	16.69	29.94	1,121.31	10,071.37	9,353.91	9,326.50	27.41	341.295						
2,600.00	2,337.68	3,371.00	3,259.14	20.74	16.69	29.94	1,121.31	10,071.37	9,288.03	9,259.98	28.05	331.155						
2,700.00	2,416.66	3,420.59	3,305.78	22.02	17.02	30.18	1,105.05	10,066.95	9,222.45	9,193.43	29.02	317.839						
2,800.00	2,495.65	3,461.00	3,343.57	23.29	17.29	30.39	1,091.12	10,063.70	9,157.43	9,127.49	29.94	305.849						
2,900.00	2,574.64	3,461.00	3,343.57	24.57	17.29	30.39	1,091.12	10,063.70	9,092.83	9,062.21	30.62	296.971						
3,000.00	2,653.63	3,508.07	3,387.54	25.85	17.62	30.63	1,074.70	10,060.18	9,028.66	8,997.04	31.62	285.546						
3,100.00	2,732.62	3,551.00	3,427.76	27.14	17.91	30.85	1,060.00	10,057.11	8,964.94	8,932.33	32.60	274.960						
3,200.00	2,811.61	3,580.10	3,455.05	28.42	18.11	31.00	1,050.08	10,055.10	8,901.63	8,868.11	33.51	265.639						
3,300.00	2,890.59	3,618.32	3,490.85	29.71	18.37	31.19	1,036.95	10,052.55	8,838.74	8,804.25	34.49	256.276						
3,400.00	2,969.58	3,641.00	3,512.08	31.00	18.52	31.31	1,029.09	10,051.09	8,776.29	8,740.91	35.38	248.084						
3,500.00	3,048.57	3,691.69	3,559.48	32.29	18.87	31.58	1,011.39	10,047.98	8,714.25	8,677.78	36.47	238.947						
3,600.00	3,127.56	3,731.00	3,596.19	33.58	19.14	31.79	997.54	10,045.72	8,652.69	8,615.19	37.50	230.754						
3,700.00	3,206.55	3,777.68	3,639.76	34.87	19.47	32.04	980.97	10,043.13	8,591.55	8,552.95	38.59	222.619						
3,800.00	3,285.53	3,820.00	3,679.22	36.16	19.76	32.27	965.87	10,040.84	8,530.78	8,491.11	39.67	215.037						
3,900.00	3,364.52	3,858.00	3,714.72	37.45	20.02	32.47	952.47	10,038.86	8,470.47	8,429.75	40.73	207.982						
4,000.00	3,443.51	3,965.39	3,815.73	38.74	20.75	33.04	916.44	10,033.24	8,410.53	8,368.27	42.26	199.000						
4,100.00	3,522.50	4,046.34	3,891.99	40.04	21.29	33.48	889.72	10,028.38	8,350.31	8,306.68	43.63	191.393						
4,200.00	3,601.49	4,209.17	4,043.79	41.33	22.43	34.40	831.75	10,018.35	8,290.56	8,244.93	45.62	181.715						
4,300.00	3,680.47	4,246.37	4,078.35	42.63	22.69	34.61	818.24	10,015.80	8,230.48	8,183.73	46.75	176.066						
4,400.00	3,759.46	4,285.90	4,115.27	43.92	22.97	34.84	804.37	10,013.19	8,170.90	8,123.01	47.89	170.609						
4,500.00	3,838.45	4,327.75	4,154.51	45.22	23.26	35.08	790.03	10,010.52	8,111.81	8,062.75	49.06	165.342						
4,600.00	3,917.44	4,357.00	4,182.00	46.51	23.46	35.24	780.21	10,008.72	8,053.23	8,003.07	50.15	160.576						
4,700.00	3,996.43	4,407.57	4,229.37	47.81	23.81	35.54	762.78	10,005.73	7,995.12	7,943.71	51.42	155.495						
4,800.00	4,075.42	4,446.00	4,265.08	49.10	24.08	35.76	748.75	10,003.58	7,937.58	7,884.97	52.61	150.873						
4,900.00	4,154.40	4,446.00	4,265.08	50.40	24.08	35.76	748.75	10,003.58	7,880.74	7,827.21	53.53	147.224						
5,000.00	4,233.39	4,493.72	4,309.38	51.70	24.42	36.05	731.16	10,001.19	7,824.40	7,769.58	54.82	142.716						
5,100.00	4,312.38	4,535.00	4,347.87	52.99	24.71	36.30	716.34	9,999.48	7,768.88	7,712.80	56.08	138.524						
5,200.00	4,391.37	4,535.00	4,347.87	54.29	24.71	36.30	716.34	9,999.48	7,713.98	7,656.95	57.03	135.255						
5,300.00	4,470.36	4,574.68	4,385.08	55.59	24.98	36.53	702.64	9,998.14	7,659.78	7,601.49	58.28	131.420						
5,400.00	4,549.34	4,625.00	4,432.67	56.89	25.31	36.82	686.34	9,996.83	7,606.32	7,546.69	59.62	127.572						
5,500.00	4,628.33	4,774.62	4,573.58	58.18	26.32	37.70	636.36	9,991.82	7,552.93	7,491.20	61.73	122.364						
5,600.00	4,707.32	4,804.00	4,600.87	59.48	26.52	37.89	625.53	9,990.55	7,499.55	7,436.59	62.96	119.116						
5,700.00	4,786.31	4,854.55	4,647.84	60.78	26.88	38.20	606.98	9,988.52	7,446.75	7,382.37	64.38	115.669						
5,800.00	4,865.30	4,894.00	4,684.74	62.08	27.16	38.45	593.08	9,987.24	7,394.73	7,329.01	65.72	112.516						
5,900.00	4,944.28	4,989.58	4,774.91	63.38	27.80	39.03	561.51	9,984.27	7,343.20	7,275.72	67.48	108.818						
6,000.00	5,023.27	5,095.55	4,875.20	64.68	28.49	39.67	527.54	9,980.34	7,291.58	7,222.26	69.32	105.188						
6,100.00	5,102.26	5,461.72	5,221.11	65.97	30.91	41.97	409.74	9,958.94	7,239.67	7,166.56	73.10	99.032						
6,200.00	5,181.25	5,496.00	5,253.29	67.27	31.15	42.20	398.25	9,956.20	7,186.42	7,111.94	74.48	96.483						
6,300.00	5,260.24	5,525.30	5,280.81	68.57	31.36	42.39	388.41	9,953.97	7,133.90	7,058.06	75.84	94.064						
6,400.00	5,339.23	5,565.41	5,318.29	69.87	31.64	42.66	374.49	9,950.96	7,082.07	7,004.77	77.30	91.619						
6,500.00	5,418.21	5,586.00	5,337.46	71.17	31.78	42.80	367.13	9,949.42	7,030.98	6,952.36	78.62	89.434						

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-20-01
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-20-01	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	5,497.20	5,620.21	5,369.26	72.47	32.03	43.03	354.72	9,947.00	6,980.68	6,900.62	80.07	87.187		
6,700.00	5,576.19	5,643.50	5,390.87	73.77	32.20	43.19	346.20	9,945.49	6,931.29	6,849.85	81.44	85.114		
6,800.00	5,655.18	5,675.00	5,420.08	75.07	32.42	43.41	334.56	9,943.63	6,882.80	6,799.92	82.89	83.038		
6,900.00	5,734.17	5,718.37	5,460.52	76.37	32.72	43.71	319.04	9,941.32	6,835.13	6,750.69	84.44	80.947		
7,000.00	5,813.15	5,764.00	5,503.53	77.67	33.04	44.01	303.98	9,939.10	6,788.04	6,702.03	86.02	78.916		
7,100.00	5,892.14	5,799.75	5,537.40	78.97	33.27	44.25	292.66	9,937.59	6,741.74	6,654.24	87.51	77.043		
7,200.00	5,971.13	5,826.39	5,562.64	80.27	33.45	44.43	284.17	9,936.62	6,696.38	6,607.44	88.94	75.295		
7,300.00	6,050.12	5,854.00	5,588.78	81.57	33.63	44.61	275.32	9,935.77	6,651.95	6,561.57	90.38	73.599		
7,400.00	6,129.11	5,904.95	5,636.81	82.86	33.97	44.96	258.38	9,934.26	6,608.36	6,516.31	92.05	71.792		
7,500.00	6,208.09	5,954.45	5,683.08	84.16	34.31	45.30	240.90	9,932.61	6,565.51	6,471.78	93.73	70.049		
7,600.00	6,287.08	6,211.00	5,924.41	85.46	36.05	47.09	154.88	9,920.98	6,521.79	6,424.58	97.21	67.087		
7,700.00	6,366.07	6,257.68	5,968.99	86.76	36.35	47.41	141.27	9,918.56	6,478.18	6,379.32	98.87	65.524		
7,800.00	6,445.06	6,301.00	6,010.26	88.06	36.62	47.71	128.20	9,916.91	6,435.98	6,335.47	100.51	64.034		
7,900.00	6,524.05	6,301.00	6,010.26	89.36	36.62	47.71	128.20	9,916.91	6,394.57	6,292.76	101.81	62.808		
8,000.00	6,603.03	6,412.06	6,115.42	90.66	37.35	48.49	92.77	9,912.38	6,353.95	6,249.88	104.07	61.055		
8,100.00	6,682.02	6,497.50	6,196.27	91.96	37.91	49.10	65.44	9,908.39	6,313.66	6,207.53	106.13	59.489		
8,133.44	6,708.44	6,563.80	6,259.18	92.40	38.34	49.57	44.78	9,905.07	6,300.22	6,193.08	107.14	58.804		
8,150.00	6,721.39	6,621.95	6,314.25	92.62	38.73	49.12	26.43	9,901.63	6,293.31	6,185.44	107.86	58.346		
8,200.00	6,758.90	6,644.98	6,335.88	93.34	38.88	47.30	18.70	9,899.91	6,269.86	6,161.09	108.77	57.645		
8,250.00	6,793.76	6,659.00	6,349.12	94.13	38.97	46.22	14.18	9,899.00	6,243.15	6,133.54	109.61	56.957		
8,300.00	6,825.72	6,691.83	6,379.92	95.00	39.20	46.06	3.08	9,896.62	6,213.13	6,102.48	110.65	56.152		
8,350.00	6,854.52	6,701.37	6,388.87	95.93	39.27	46.40	-0.15	9,895.96	6,180.25	6,068.77	111.48	55.438		
8,400.00	6,879.97	6,709.62	6,396.62	96.92	39.32	47.46	-2.96	9,895.41	6,144.64	6,032.34	112.30	54.716		
8,450.00	6,901.84	6,716.52	6,403.09	97.95	39.37	49.32	-5.31	9,894.95	6,106.54	5,993.44	113.10	53.992		
8,500.00	6,920.00	6,722.00	6,408.23	99.02	39.41	52.13	-7.18	9,894.60	6,066.20	5,952.33	113.87	53.272		
8,550.00	6,934.28	6,749.00	6,433.54	100.12	39.60	56.54	-16.41	9,892.93	6,024.00	5,909.17	114.83	52.462		
8,600.00	6,944.59	6,749.00	6,433.54	101.22	39.60	62.09	-16.41	9,892.93	5,980.01	5,864.52	115.49	51.778		
8,650.00	6,950.84	6,749.00	6,433.54	102.33	39.60	69.68	-16.41	9,892.93	5,934.67	5,818.55	116.13	51.106		
8,701.16	6,953.00	6,749.00	6,433.54	103.44	39.60	80.10	-16.41	9,892.93	5,887.21	5,770.48	116.73	50.436		
8,800.00	6,953.00	6,749.00	6,433.54	105.59	39.60	80.10	-16.41	9,892.93	5,794.81	5,676.95	117.86	49.168		
8,900.00	6,953.00	6,722.89	6,409.06	107.79	39.42	79.39	-7.48	9,894.54	5,701.42	5,582.64	118.78	48.001		
9,000.00	6,953.00	6,719.85	6,406.21	110.02	39.39	79.30	-6.44	9,894.74	5,608.35	5,488.38	119.97	46.749		
9,100.00	6,953.00	6,716.75	6,403.30	112.26	39.37	79.22	-5.39	9,894.94	5,515.52	5,394.32	121.20	45.509		
9,200.00	6,953.00	6,713.60	6,400.34	114.52	39.35	79.13	-4.31	9,895.14	5,422.94	5,300.47	122.47	44.280		
9,300.00	6,953.00	6,710.39	6,397.33	116.80	39.33	79.05	-3.22	9,895.36	5,330.63	5,206.84	123.79	43.063		
9,400.00	6,953.00	6,707.12	6,394.27	119.10	39.31	78.96	-2.11	9,895.57	5,238.59	5,113.44	125.15	41.858		
9,500.00	6,953.00	6,703.80	6,391.15	121.42	39.28	78.86	-0.98	9,895.80	5,146.85	5,020.28	126.56	40.666		
9,600.00	6,953.00	6,700.41	6,387.97	123.75	39.26	78.77	0.17	9,896.03	5,055.41	4,927.38	128.03	39.487		
9,700.00	6,953.00	6,696.96	6,384.74	126.10	39.24	78.68	1.34	9,896.26	4,964.30	4,834.76	129.54	38.322		
9,800.00	6,953.00	6,693.45	6,381.44	128.46	39.21	78.58	2.53	9,896.50	4,873.54	4,742.42	131.11	37.170		
9,900.00	6,953.00	6,689.87	6,378.09	130.84	39.19	78.48	3.75	9,896.75	4,783.14	4,650.39	132.74	36.034		
10,000.00	6,953.00	6,686.23	6,374.67	133.23	39.16	78.38	4.98	9,897.01	4,693.12	4,558.69	134.43	34.912		
10,100.00	6,953.00	6,682.51	6,371.18	135.63	39.14	78.28	6.24	9,897.27	4,603.51	4,467.33	136.18	33.805		
10,200.00	6,953.00	6,659.00	6,349.12	138.04	38.97	77.64	14.18	9,899.00	4,514.41	4,376.68	137.72	32.779		
10,300.00	6,953.00	6,659.00	6,349.12	140.46	38.97	77.64	14.18	9,899.00	4,425.65	4,286.00	139.65	31.691		
10,400.00	6,953.00	6,659.00	6,349.12	142.90	38.97	77.64	14.18	9,899.00	4,337.39	4,195.74	141.65	30.620		
10,500.00	6,953.00	6,659.00	6,349.12	145.34	38.97	77.64	14.18	9,899.00	4,249.65	4,105.92	143.73	29.567		
10,600.00	6,953.00	6,667.47	6,357.07	147.80	39.03	77.87	11.31	9,898.35	4,162.45	4,016.45	146.01	28.509		
10,700.00	6,953.00	6,658.24	6,348.40	150.26	38.97	77.62	14.43	9,899.06	4,075.86	3,927.75	148.11	27.519		
10,800.00	6,953.00	6,649.54	6,340.23	152.73	38.91	77.38	17.35	9,899.71	3,989.87	3,839.57	150.30	26.546		
10,900.00	6,953.00	6,641.32	6,332.51	155.21	38.86	77.15	20.08	9,900.30	3,904.54	3,751.96	152.58	25.591		
11,000.00	6,953.00	6,633.56	6,325.20	157.70	38.80	76.93	22.64	9,900.84	3,819.90	3,664.96	154.95	24.653		

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-20-01
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-20-01	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	6,953.00	6,626.22	6,318.28	160.20	38.75	76.73	25.04	9,901.34	3,736.01	3,578.60	157.41	23.734		
11,200.00	6,953.00	6,619.25	6,311.71	162.70	38.71	76.54	27.31	9,901.81	3,652.92	3,492.94	159.98	22.834		
11,300.00	6,953.00	6,612.64	6,305.47	165.21	38.66	76.36	29.44	9,902.24	3,570.69	3,408.04	162.64	21.954		
11,400.00	6,953.00	6,606.36	6,299.53	167.73	38.62	76.18	31.46	9,902.63	3,489.36	3,323.95	165.41	21.095		
11,500.00	6,953.00	6,600.38	6,293.87	170.25	38.58	76.02	33.36	9,903.00	3,409.03	3,240.75	168.28	20.258		
11,600.00	6,953.00	6,594.68	6,288.48	172.78	38.54	75.86	35.17	9,903.35	3,329.74	3,158.49	171.26	19.443		
11,700.00	6,953.00	6,589.24	6,283.33	175.31	38.51	75.71	36.88	9,903.67	3,251.59	3,077.25	174.34	18.651		
11,800.00	6,953.00	6,584.05	6,278.40	177.85	38.47	75.56	38.51	9,903.96	3,174.65	2,997.13	177.53	17.883		
11,900.00	6,953.00	6,586.96	6,281.19	180.40	38.49	75.64	37.66	9,903.82	3,099.01	2,918.03	180.98	17.124		
12,000.00	6,953.00	6,578.16	6,272.83	182.95	38.43	75.40	40.36	9,904.30	3,024.80	2,840.50	184.30	16.412		
12,100.00	6,953.00	6,569.60	6,264.69	185.50	38.38	75.16	42.99	9,904.76	2,952.10	2,764.38	187.72	15.726		
12,200.00	6,953.00	6,561.25	6,256.76	188.06	38.32	74.93	45.57	9,905.20	2,881.02	2,689.78	191.23	15.065		
12,300.00	6,953.00	6,553.12	6,249.04	190.63	38.27	74.70	48.08	9,905.63	2,811.68	2,616.85	194.83	14.431		
12,400.00	6,953.00	6,545.19	6,241.51	193.20	38.22	74.48	50.54	9,906.04	2,744.22	2,545.71	198.50	13.824		
12,500.00	6,953.00	6,537.46	6,234.17	195.77	38.17	74.26	52.94	9,906.43	2,678.78	2,476.53	202.24	13.245		
12,600.00	6,953.00	6,529.92	6,227.02	198.35	38.12	74.05	55.29	9,906.81	2,615.51	2,409.48	206.04	12.694		
12,700.00	6,953.00	6,522.56	6,220.04	200.93	38.07	73.85	57.58	9,907.18	2,554.58	2,344.72	209.86	12.173		
12,800.00	6,953.00	6,515.38	6,213.23	203.51	38.03	73.65	59.83	9,907.53	2,496.15	2,282.45	213.70	11.680		
12,900.00	6,953.00	6,508.37	6,206.58	206.10	37.98	73.45	62.03	9,907.87	2,440.41	2,222.87	217.54	11.218		
13,000.00	6,953.00	6,501.52	6,200.09	208.69	37.94	73.26	64.18	9,908.20	2,387.54	2,166.21	221.33	10.787		
13,100.00	6,953.00	6,494.84	6,193.75	211.29	37.89	73.07	66.28	9,908.52	2,337.74	2,112.69	225.06	10.387		
13,200.00	6,953.00	6,488.30	6,187.56	213.88	37.85	72.89	68.34	9,908.82	2,291.22	2,062.54	228.68	10.019		
13,300.00	6,953.00	6,481.92	6,181.51	216.48	37.81	72.71	70.36	9,909.12	2,248.17	2,016.00	232.17	9.683		
13,400.00	6,953.00	6,475.73	6,175.64	219.09	37.77	72.54	72.32	9,909.41	2,208.80	1,973.33	235.47	9.380		
13,500.00	6,953.00	6,469.54	6,169.78	221.69	37.73	72.37	74.29	9,909.69	2,173.30	1,934.76	238.54	9.111		
13,600.00	6,953.00	6,463.32	6,163.89	224.30	37.68	72.19	76.27	9,909.98	2,141.88	1,900.54	241.34	8.875		
13,700.00	6,953.00	6,457.07	6,157.98	226.92	37.64	72.02	78.26	9,910.27	2,114.71	1,870.89	243.82	8.673		
13,800.00	6,953.00	6,450.80	6,152.04	229.53	37.60	71.84	80.27	9,910.56	2,091.96	1,846.01	245.95	8.506		
13,900.00	6,953.00	6,444.51	6,146.09	232.15	37.56	71.67	82.29	9,910.85	2,073.77	1,826.09	247.69	8.372		
14,000.00	6,953.00	6,438.18	6,140.11	234.77	37.52	71.49	84.32	9,911.15	2,060.27	1,811.26	249.01	8.274		
14,100.00	6,953.00	6,431.84	6,134.11	237.39	37.48	71.31	86.36	9,911.45	2,051.55	1,801.66	249.88	8.210		
14,200.00	6,953.00	6,425.46	6,128.08	240.01	37.43	71.14	88.42	9,911.75	2,047.66	1,797.36	250.30	8.181		
14,229.93	6,953.00	6,423.55	6,126.27	240.80	37.42	71.08	89.04	9,911.83	2,047.44	1,797.10	250.34	8.179 CC, ES		
14,300.00	6,953.00	6,419.06	6,122.03	242.64	37.39	70.96	90.50	9,912.05	2,048.63	1,798.38	250.26	8.186		
14,400.00	6,953.00	6,412.63	6,115.96	245.27	37.35	70.78	92.58	9,912.35	2,054.47	1,804.71	249.76	8.226		
14,500.00	6,953.00	6,406.18	6,109.87	247.90	37.31	70.60	94.69	9,912.65	2,065.12	1,816.31	248.82	8.300		
14,600.00	6,953.00	6,399.70	6,103.75	250.53	37.26	70.41	96.80	9,912.96	2,080.52	1,833.07	247.45	8.408		
14,700.00	6,953.00	6,393.19	6,097.60	253.16	37.22	70.23	98.93	9,913.27	2,100.55	1,854.86	245.69	8.550		
14,800.00	6,953.00	6,391.00	6,095.54	255.80	37.21	70.17	99.65	9,913.37	2,125.09	1,881.34	243.75	8.718		
14,900.00	6,953.00	6,391.00	6,095.54	258.43	37.21	70.17	99.65	9,913.37	2,154.01	1,912.42	241.58	8.916		
15,000.00	6,953.00	6,391.00	6,095.54	261.07	37.21	70.17	99.65	9,913.37	2,187.11	1,947.98	239.13	9.146		
15,100.00	6,953.00	6,391.00	6,095.54	263.71	37.21	70.17	99.65	9,913.37	2,224.22	1,987.79	236.43	9.407		
15,200.00	6,953.00	6,391.00	6,095.54	266.36	37.21	70.17	99.65	9,913.37	2,265.14	2,031.61	233.53	9.700		
15,300.00	6,953.00	6,391.00	6,095.54	269.00	37.21	70.17	99.65	9,913.37	2,309.67	2,079.21	230.46	10.022		
15,400.00	6,953.00	6,391.00	6,095.54	271.65	37.21	70.17	99.65	9,913.37	2,357.60	2,130.34	227.26	10.374		
15,500.00	6,953.00	8,539.00	7,108.91	274.29	49.20	97.70	-334.12	11,195.69	2,378.80	2,068.29	310.51	7.661		
15,514.00	6,953.00	8,539.00	7,108.91	274.66	49.20	97.70	-334.12	11,195.69	2,378.76	2,068.01	310.75	7.655		
15,600.00	6,953.00	8,598.10	7,111.14	276.94	49.95	97.75	-334.59	11,254.75	2,379.54	2,065.64	313.90	7.581		
15,700.00	6,953.00	8,678.24	7,114.06	279.59	51.08	97.82	-335.47	11,334.83	2,380.94	2,063.01	317.93	7.489		
15,800.00	6,953.00	8,767.87	7,116.00	282.24	52.48	97.86	-337.56	11,424.41	2,383.32	2,060.99	322.33	7.394		
15,900.00	6,953.00	8,884.53	7,117.19	284.90	54.48	97.88	-340.05	11,541.04	2,385.37	2,057.67	327.70	7.279		
16,000.00	6,953.00	8,988.70	7,117.89	287.55	56.39	97.89	-341.80	11,645.19	2,386.92	2,054.21	332.71	7.174		

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-20-01
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-20-01	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							
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
16,100.00	6,953.00	9,067.52	7,117.66	290.20	57.93	97.88	-343.55	11,723.99	2,388.87	2,051.93	336.93	7.090	
16,200.00	6,953.00	9,226.07	7,115.65	292.86	61.16	97.83	-346.52	11,882.48	2,390.52	2,046.62	343.90	6.951	
16,300.00	6,953.00	9,397.23	7,113.65	295.52	64.76	97.79	-343.57	12,053.60	2,388.08	2,037.01	351.07	6.802	
16,400.00	6,953.00	9,499.12	7,112.62	298.18	66.97	97.78	-340.53	12,155.43	2,384.77	2,028.59	356.17	6.696	
16,500.00	6,953.00	9,592.04	7,111.92	300.84	69.03	97.77	-338.07	12,248.32	2,381.83	2,020.78	361.05	6.597	
16,600.00	6,953.00	9,721.99	7,112.27	303.50	71.97	97.79	-333.85	12,378.19	2,378.46	2,011.51	366.95	6.482	
16,700.00	6,953.00	9,824.10	7,113.20	306.16	74.31	97.83	-329.66	12,480.21	2,374.31	2,002.23	372.08	6.381	
16,800.00	6,953.00	9,935.47	7,113.81	308.82	76.89	97.86	-325.00	12,591.49	2,370.05	1,992.56	377.48	6.279	
16,900.00	6,953.00	10,073.86	7,115.22	311.49	80.14	97.92	-317.50	12,729.66	2,364.62	1,981.10	383.52	6.166	
17,000.00	6,953.00	10,116.70	7,116.19	314.15	81.16	97.95	-315.42	12,772.44	2,359.70	1,972.51	387.20	6.094	
17,100.00	6,953.00	10,153.00	7,117.36	316.82	82.03	97.98	-314.20	12,808.70	2,356.97	1,966.51	390.46	6.036	
17,157.28	6,953.00	10,182.70	7,118.39	318.34	82.75	98.01	-313.77	12,838.37	2,356.46	1,963.95	392.51	6.004	
17,200.00	6,953.00	10,197.70	7,118.86	319.48	83.12	98.02	-313.82	12,853.37	2,356.71	1,962.95	393.77	5.985	
17,300.00	6,953.00	10,242.00	7,120.06	322.15	84.21	98.04	-315.05	12,897.64	2,359.32	1,962.45	396.87	5.945	
17,400.00	6,953.00	10,361.45	7,119.73	324.82	87.19	98.02	-319.70	13,016.98	2,363.02	1,960.17	402.85	5.866	
17,500.00	6,953.00	10,513.87	7,116.81	327.49	91.01	97.94	-323.02	13,169.33	2,364.75	1,954.72	410.03	5.767	
17,600.00	6,953.00	10,629.26	7,114.37	330.16	93.90	97.88	-323.72	13,284.70	2,364.84	1,949.00	415.84	5.687	
17,700.00	6,953.00	10,729.09	7,112.47	332.83	96.42	97.84	-324.04	13,384.51	2,364.68	1,943.57	421.11	5.615	
17,775.51	6,953.00	10,801.14	7,111.47	334.85	98.24	97.81	-324.24	13,456.55	2,364.60	1,939.62	424.98	5.564	
17,800.00	6,953.00	10,822.60	7,111.31	335.50	98.78	97.81	-324.32	13,478.01	2,364.61	1,938.45	426.16	5.549	
17,900.00	6,953.00	10,912.28	7,111.42	338.17	101.06	97.81	-324.83	13,567.68	2,364.98	1,933.92	431.06	5.486	
18,000.00	6,953.00	11,006.26	7,111.86	340.85	103.46	97.82	-325.65	13,661.66	2,365.69	1,929.59	436.10	5.425	
18,100.00	6,953.00	11,105.26	7,111.83	343.52	106.00	97.81	-326.73	13,760.66	2,366.56	1,925.23	441.33	5.362	
18,200.00	6,953.00	11,224.27	7,111.62	346.19	109.06	97.81	-327.67	13,879.66	2,367.13	1,919.87	447.26	5.292	
18,300.00	6,953.00	11,338.81	7,112.06	348.87	112.00	97.82	-327.57	13,994.20	2,366.89	1,913.88	453.01	5.225	
18,400.00	6,953.00	11,447.94	7,112.76	351.55	114.81	97.84	-326.80	14,103.32	2,366.06	1,907.50	458.56	5.160	
18,500.00	6,953.00	11,553.19	7,113.35	354.22	117.53	97.86	-325.87	14,208.56	2,365.05	1,901.06	463.99	5.097	
18,600.00	6,953.00	11,674.51	7,114.06	356.90	120.66	97.88	-324.12	14,329.87	2,363.51	1,893.60	469.90	5.030	
18,700.00	6,953.00	11,792.81	7,115.38	359.58	123.72	97.92	-321.19	14,448.13	2,360.99	1,885.31	475.68	4.963	
18,800.00	6,953.00	11,896.80	7,116.07	362.26	126.41	97.95	-318.20	14,552.07	2,358.02	1,876.98	481.05	4.902	
18,900.00	6,953.00	11,976.00	7,116.49	364.94	128.46	97.97	-315.90	14,631.24	2,355.10	1,869.39	485.72	4.849	
18,950.18	6,953.00	11,976.00	7,116.49	366.28	128.46	97.97	-315.90	14,631.24	2,354.57	1,867.79	486.78	4.837	
19,000.00	6,953.00	11,976.00	7,116.49	367.62	128.46	97.97	-315.90	14,631.24	2,355.10	1,867.48	487.62	4.830	
19,073.74	6,953.00	11,976.00	7,116.49	369.59	128.46	97.97	-315.90	14,631.24	2,357.81	1,869.33	488.48	4.827 SF	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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	1,355.84	2,610.59	2,499.98	7.06	13.28	23.80	1,216.92	10,121.17	10,007.36	9,989.07	18.29	547.195		
1,500.00	1,444.94	2,653.00	2,537.83	7.92	13.63	24.49	1,197.98	10,118.45	9,953.86	9,934.77	19.09	521.431		
1,600.00	1,532.39	2,653.00	2,537.83	8.84	13.63	25.06	1,197.98	10,118.45	9,898.12	9,878.54	19.58	505.640		
1,700.00	1,618.11	2,653.00	2,537.83	9.83	13.63	25.66	1,197.98	10,118.45	9,840.45	9,820.37	20.08	490.081		
1,800.00	1,701.97	2,690.51	2,571.46	10.89	13.93	26.49	1,181.49	10,116.34	9,780.68	9,759.78	20.89	468.135		
1,900.00	1,783.88	2,709.44	2,588.46	12.02	14.08	27.29	1,173.26	10,115.39	9,719.00	9,697.41	21.58	450.301		
1,991.28	1,856.86	3,012.00	2,863.52	13.11	16.42	29.54	1,048.91	10,095.96	9,660.40	9,636.03	24.37	396.463		
2,000.00	1,863.75	3,012.00	2,863.52	13.21	16.42	29.54	1,048.91	10,095.96	9,654.64	9,630.22	24.42	395.346		
2,100.00	1,942.74	3,012.00	2,863.52	14.45	16.42	29.54	1,048.91	10,095.96	9,588.93	9,563.93	25.00	383.518		
2,200.00	2,021.72	3,069.12	2,915.90	15.69	16.86	29.83	1,026.52	10,091.75	9,523.66	9,497.63	26.02	365.985		
2,300.00	2,100.71	3,102.00	2,945.84	16.95	17.11	30.00	1,013.13	10,089.39	9,458.67	9,431.79	26.88	351.875		
2,400.00	2,179.70	3,102.00	2,945.84	18.21	17.11	30.00	1,013.13	10,089.39	9,394.23	9,366.72	27.51	341.471		
2,500.00	2,258.69	3,150.51	2,990.05	19.47	17.48	30.26	993.41	10,086.14	9,330.07	9,301.55	28.52	327.141		
2,600.00	2,337.68	3,191.00	3,027.16	20.74	17.79	30.47	977.42	10,083.73	9,266.60	9,237.12	29.48	314.302		
2,700.00	2,416.66	3,486.32	3,297.75	22.02	20.05	32.06	861.14	10,062.31	9,203.21	9,170.85	32.36	284.403		
2,800.00	2,495.65	3,512.01	3,321.17	23.29	20.25	32.20	850.81	10,060.12	9,138.85	9,105.61	33.25	274.858		
2,900.00	2,574.64	3,551.00	3,356.62	24.57	20.55	32.42	834.88	10,056.99	9,075.01	9,040.75	34.25	264.929		
3,000.00	2,653.63	3,551.00	3,356.62	25.85	20.55	32.42	834.88	10,056.99	9,011.63	8,976.65	34.97	257.671		
3,100.00	2,732.62	3,586.38	3,388.79	27.14	20.82	32.62	820.40	10,054.34	8,948.76	8,912.78	35.98	248.734		
3,200.00	2,811.61	3,610.88	3,411.15	28.42	21.02	32.75	810.53	10,052.60	8,886.42	8,849.52	36.91	240.763		
3,300.00	2,890.59	3,786.87	3,570.29	29.71	22.43	33.77	736.67	10,039.15	8,823.86	8,784.77	39.09	225.754		
3,400.00	2,969.58	3,820.00	3,599.88	31.00	22.70	33.97	722.01	10,036.54	8,761.63	8,721.49	40.14	218.290		
3,500.00	3,048.57	3,846.28	3,623.34	32.29	22.92	34.13	710.35	10,034.54	8,699.92	8,658.77	41.15	211.439		
3,600.00	3,127.56	3,875.17	3,649.14	33.58	23.17	34.31	697.51	10,032.43	8,638.74	8,596.55	42.19	204.759		
3,700.00	3,206.55	3,909.00	3,679.35	34.87	23.45	34.51	682.48	10,030.06	8,578.11	8,534.82	43.29	198.158		
3,800.00	3,285.53	3,909.00	3,679.35	36.16	23.45	34.51	682.48	10,030.06	8,518.10	8,474.00	44.11	193.123		
3,900.00	3,364.52	3,955.37	3,720.85	37.45	23.83	34.79	662.01	10,027.04	8,458.57	8,413.24	45.34	186.570		
4,000.00	3,443.51	3,998.00	3,759.15	38.74	24.18	35.05	643.45	10,024.53	8,399.74	8,353.19	46.55	180.452		
4,100.00	3,522.50	3,998.00	3,759.15	40.04	24.18	35.05	643.45	10,024.53	8,341.45	8,294.05	47.40	175.982		
4,200.00	3,601.49	4,029.47	3,787.56	41.33	24.43	35.25	630.02	10,022.84	8,283.81	8,235.29	48.53	170.706		
4,300.00	3,680.47	4,053.42	3,809.30	42.63	24.62	35.39	620.04	10,021.68	8,226.83	8,177.23	49.60	165.859		
4,400.00	3,759.46	4,130.51	3,879.78	43.92	25.22	35.85	589.02	10,018.11	8,170.41	8,119.28	51.13	159.798		
4,500.00	3,838.45	4,214.82	3,957.04	45.22	25.87	36.35	555.55	10,013.82	8,114.08	8,061.36	52.72	153.912		
4,600.00	3,917.44	4,306.47	4,041.63	46.51	26.56	36.90	520.56	10,009.16	8,058.22	8,003.85	54.37	148.213		
4,700.00	3,996.43	4,588.69	4,301.63	47.81	28.68	38.62	412.60	9,989.87	8,001.82	7,944.25	57.57	139.003		
4,800.00	4,075.42	4,782.03	4,479.26	49.10	30.15	39.84	338.48	9,971.71	7,943.88	7,883.80	60.08	132.219		
4,900.00	4,154.40	4,804.00	4,499.42	50.40	30.32	39.98	330.01	9,969.53	7,886.47	7,825.23	61.24	128.780		
5,000.00	4,233.39	4,846.29	4,538.27	51.70	30.64	40.25	313.83	9,965.46	7,829.66	7,767.09	62.57	125.129		
5,100.00	4,312.38	4,894.00	4,582.23	52.99	31.00	40.55	295.80	9,961.13	7,773.55	7,709.58	63.96	121.532		
5,200.00	4,391.37	4,894.00	4,582.23	54.29	31.00	40.55	295.80	9,961.13	7,718.04	7,653.07	64.98	118.778		
5,300.00	4,470.36	4,928.62	4,614.25	55.59	31.26	40.78	282.94	9,958.22	7,663.25	7,596.98	66.28	115.623		
5,400.00	4,549.34	4,953.07	4,636.94	56.89	31.43	40.93	274.03	9,956.31	7,609.22	7,541.71	67.51	112.715		
5,500.00	4,628.33	5,007.00	4,687.20	58.18	31.83	41.27	254.85	9,952.55	7,556.05	7,487.07	68.99	109.531		
5,600.00	4,707.32	5,007.00	4,687.20	59.48	31.83	41.27	254.85	9,952.55	7,503.38	7,433.34	70.04	107.126		
5,700.00	4,786.31	5,007.00	4,687.20	60.78	31.83	41.27	254.85	9,952.55	7,451.68	7,380.57	71.11	104.796		
5,800.00	4,865.30	5,007.00	4,687.20	62.08	31.83	41.27	254.85	9,952.55	7,400.97	7,328.79	72.18	102.540		
5,900.00	4,944.28	5,007.00	4,687.20	63.38	31.83	41.27	254.85	9,952.55	7,351.26	7,278.01	73.25	100.355		
6,000.00	5,023.27	5,044.78	4,722.46	64.68	32.10	41.51	241.45	9,950.61	7,301.98	7,227.33	74.65	97.815		
6,100.00	5,102.26	5,054.73	4,731.74	65.97	32.17	41.57	237.86	9,950.26	7,254.00	7,178.17	75.83	95.666		
6,200.00	5,181.25	5,097.00	4,771.04	67.27	32.47	41.85	222.31	9,949.53	7,207.44	7,130.16	77.29	93.255		
6,300.00	5,260.24	5,097.00	4,771.04	68.57	32.47	41.85	222.31	9,949.53	7,161.21	7,082.82	78.39	91.350		
6,400.00	5,339.23	5,097.00	4,771.04	69.87	32.47	41.85	222.31	9,949.53	7,116.08	7,036.58	79.50	89.509		

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-20-01
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-20-01	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	5,418.21	5,097.00	4,771.04	71.17	32.47	41.85	222.31	9,949.53	7,072.07	6,991.46	80.61	87.728		
6,600.00	5,497.20	5,175.54	4,843.17	72.47	33.06	42.37	191.28	9,948.63	7,028.78	6,946.29	82.48	85.213		
6,700.00	5,576.19	5,236.10	4,898.43	73.77	33.53	42.78	166.53	9,947.65	6,986.05	6,901.83	84.21	82.956		
6,800.00	5,655.18	5,276.00	4,934.04	75.07	33.84	43.04	150.43	9,947.17	6,944.15	6,858.40	85.75	80.981		
6,900.00	5,734.17	5,318.26	4,973.82	76.37	34.15	43.33	133.91	9,946.92	6,903.08	6,815.78	87.30	79.073		
7,000.00	5,813.15	5,391.20	5,229.41	77.67	36.05	45.11	38.32	9,944.63	6,862.07	6,771.19	90.89	75.500		
7,100.00	5,892.14	5,723.00	5,353.70	78.97	36.94	45.97	-5.35	9,941.01	6,819.81	6,726.61	93.20	73.175		
7,200.00	5,971.13	5,863.25	5,484.04	80.27	37.96	46.93	-56.67	9,934.43	6,777.67	6,681.96	95.71	70.816		
7,300.00	6,050.12	5,927.92	5,543.56	81.57	38.45	47.39	-81.67	9,930.60	6,735.91	6,638.34	97.57	69.035		
7,400.00	6,129.11	5,975.67	5,587.31	82.86	38.82	47.74	-100.57	9,927.69	6,694.93	6,595.63	99.29	67.426		
7,500.00	6,208.09	6,027.18	5,634.41	84.16	39.21	48.11	-121.19	9,924.55	6,654.77	6,553.70	101.07	65.846		
7,600.00	6,287.08	6,084.45	5,686.99	85.46	39.66	48.53	-143.64	9,921.26	6,615.41	6,512.50	102.90	64.288		
7,700.00	6,366.07	6,170.00	5,765.58	86.76	40.31	49.15	-177.02	9,915.97	6,576.47	6,471.43	105.03	62.612		
7,800.00	6,445.06	6,218.03	5,809.49	88.06	40.69	49.50	-196.23	9,912.76	6,538.33	6,431.51	106.82	61.211		
7,900.00	6,524.05	6,260.00	5,847.59	89.36	41.02	49.82	-213.61	9,910.02	6,501.30	6,392.75	108.55	59.894		
8,000.00	6,603.03	6,260.00	5,847.59	90.66	41.02	49.82	-213.61	9,910.02	6,465.34	6,355.51	109.83	58.867		
8,100.00	6,682.02	6,311.78	5,894.52	91.96	41.43	50.21	-235.28	9,906.87	6,430.38	6,318.70	111.68	57.577		
8,133.44	6,708.44	6,322.79	5,904.51	92.40	41.52	50.29	-239.85	9,906.26	6,418.95	6,306.71	112.24	57.192		
8,150.00	6,721.39	6,328.21	5,909.43	92.62	41.57	49.42	-242.10	9,905.97	6,413.12	6,300.61	112.51	57.001		
8,200.00	6,758.90	6,350.00	5,929.24	93.34	41.74	47.46	-251.11	9,904.83	6,393.14	6,279.72	113.42	56.367		
8,250.00	6,793.76	6,350.00	5,929.24	94.13	41.74	46.09	-251.11	9,904.83	6,369.71	6,255.59	114.12	55.818		
8,300.00	6,825.72	6,350.00	5,929.24	95.00	41.74	45.41	-251.11	9,904.83	6,343.02	6,228.19	114.83	55.239		
8,350.00	6,854.52	6,350.00	5,929.24	95.93	41.74	45.35	-251.11	9,904.83	6,313.23	6,197.68	115.55	54.634		
8,400.00	6,879.97	6,379.49	5,956.06	96.92	41.98	46.25	-263.30	9,903.45	6,280.37	6,163.74	116.62	53.853		
8,450.00	6,901.84	6,385.40	5,961.43	97.95	42.02	47.58	-265.74	9,903.20	6,244.89	6,127.47	117.42	53.184		
8,500.00	6,920.00	6,390.19	5,965.79	99.02	42.06	49.69	-267.73	9,903.00	6,206.95	6,088.75	118.20	52.513		
8,550.00	6,934.28	6,393.82	5,969.09	100.12	42.09	52.71	-269.23	9,902.86	6,166.78	6,047.83	118.95	51.844		
8,600.00	6,944.59	6,396.24	5,971.29	101.22	42.11	56.90	-270.23	9,902.77	6,124.67	6,005.01	119.66	51.184		
8,650.00	6,950.84	6,397.41	5,972.36	102.33	42.12	62.58	-270.72	9,902.72	6,080.89	5,960.56	120.33	50.535		
8,701.16	6,953.00	6,397.30	5,972.26	103.44	42.12	70.41	-270.67	9,902.72	6,034.68	5,913.72	120.96	49.890		
8,800.00	6,953.00	6,395.77	5,970.86	105.59	42.10	70.37	-270.04	9,902.78	5,944.40	5,822.26	122.14	48.668		
8,900.00	6,953.00	6,394.19	5,969.43	107.79	42.09	70.33	-269.38	9,902.85	5,853.34	5,729.97	123.37	47.444		
9,000.00	6,953.00	6,392.57	5,967.96	110.02	42.08	70.30	-268.71	9,902.91	5,762.57	5,637.93	124.64	46.233		
9,100.00	6,953.00	6,390.92	5,966.46	112.26	42.07	70.26	-268.03	9,902.98	5,672.12	5,546.16	125.95	45.033		
9,200.00	6,953.00	6,389.24	5,964.92	114.52	42.05	70.22	-267.33	9,903.04	5,581.98	5,454.68	127.31	43.846		
9,300.00	6,953.00	6,387.51	5,963.36	116.80	42.04	70.18	-266.62	9,903.11	5,492.19	5,363.49	128.70	42.673		
9,400.00	6,953.00	6,385.75	5,961.76	119.10	42.02	70.14	-265.89	9,903.19	5,402.75	5,272.61	130.15	41.513		
9,500.00	6,953.00	6,383.96	5,960.12	121.42	42.01	70.09	-265.15	9,903.26	5,313.69	5,182.06	131.63	40.367		
9,600.00	6,953.00	6,382.12	5,958.45	123.75	42.00	70.05	-264.38	9,903.34	5,225.03	5,091.86	133.17	39.236		
9,700.00	6,953.00	6,380.23	5,956.74	126.10	41.98	70.01	-263.61	9,903.42	5,136.78	5,002.02	134.76	38.119		
9,800.00	6,953.00	6,378.31	5,954.99	128.46	41.97	69.96	-262.81	9,903.50	5,048.96	4,912.57	136.39	37.017		
9,900.00	6,953.00	6,376.34	5,953.20	130.84	41.95	69.92	-262.00	9,903.59	4,961.61	4,823.52	138.09	35.931		
10,000.00	6,953.00	6,374.33	5,951.36	133.23	41.93	69.87	-261.16	9,903.68	4,874.74	4,734.90	139.83	34.862		
10,100.00	6,953.00	6,350.00	5,929.24	135.63	41.74	69.30	-251.11	9,904.83	4,788.48	4,647.21	141.28	33.894		
10,200.00	6,953.00	6,350.00	5,929.24	138.04	41.74	69.30	-251.11	9,904.83	4,702.64	4,559.48	143.16	32.848		
10,300.00	6,953.00	6,350.00	5,929.24	140.46	41.74	69.30	-251.11	9,904.83	4,617.37	4,472.26	145.11	31.819		
10,400.00	6,953.00	6,350.00	5,929.24	142.90	41.74	69.30	-251.11	9,904.83	4,532.70	4,385.58	147.13	30.808		
10,500.00	6,953.00	6,350.00	5,929.24	145.34	41.74	69.30	-251.11	9,904.83	4,448.67	4,299.46	149.21	29.816		
10,600.00	6,953.00	6,350.00	5,929.24	147.80	41.74	69.30	-251.11	9,904.83	4,365.31	4,213.96	151.35	28.842		
10,700.00	6,953.00	6,350.00	5,929.24	150.26	41.74	69.30	-251.11	9,904.83	4,282.66	4,129.09	153.57	27.888		
10,800.00	6,953.00	6,350.00	5,929.24	152.73	41.74	69.30	-251.11	9,904.83	4,200.77	4,044.92	155.86	26.953		
10,900.00	6,953.00	6,350.00	5,929.24	155.21	41.74	69.30	-251.11	9,904.83	4,119.68	3,961.46	158.22	26.038		

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-20-01
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-20-01	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	6,953.00	6,350.00	5,929.24	157.70	41.74	69.30	-251.11	9,904.83	4,039.43	3,878.78	160.65	25.144		
11,100.00	6,953.00	6,350.00	5,929.24	160.20	41.74	69.30	-251.11	9,904.83	3,960.09	3,796.93	163.16	24.271		
11,200.00	6,953.00	6,350.00	5,929.24	162.70	41.74	69.30	-251.11	9,904.83	3,881.70	3,715.95	165.74	23.420		
11,300.00	6,953.00	6,339.71	5,919.89	165.21	41.66	69.06	-246.86	9,905.36	3,804.30	3,636.12	168.18	22.620		
11,400.00	6,953.00	6,335.47	5,916.03	167.73	41.62	68.96	-245.11	9,905.58	3,727.98	3,557.16	170.82	21.824		
11,500.00	6,953.00	6,331.12	5,912.08	170.25	41.59	68.86	-243.30	9,905.81	3,652.80	3,479.27	173.53	21.050		
11,600.00	6,953.00	6,326.65	5,908.01	172.78	41.55	68.75	-241.45	9,906.05	3,578.83	3,402.53	176.30	20.300		
11,700.00	6,953.00	6,322.05	5,903.84	175.31	41.52	68.64	-239.54	9,906.30	3,506.14	3,327.00	179.14	19.572		
11,800.00	6,953.00	6,317.32	5,899.55	177.85	41.48	68.53	-237.58	9,906.56	3,434.82	3,252.78	182.04	18.869		
11,900.00	6,953.00	6,312.46	5,895.14	180.40	41.44	68.42	-235.56	9,906.84	3,364.95	3,179.95	185.00	18.189		
12,000.00	6,953.00	6,307.47	5,890.60	182.95	41.40	68.30	-233.48	9,907.12	3,296.62	3,108.61	188.01	17.534		
12,100.00	6,953.00	6,302.32	5,885.93	185.50	41.36	68.18	-231.33	9,907.42	3,229.94	3,038.87	191.07	16.905		
12,200.00	6,953.00	6,297.02	5,881.13	188.06	41.32	68.05	-229.12	9,907.73	3,165.00	2,970.84	194.17	16.300		
12,300.00	6,953.00	6,291.56	5,876.18	190.63	41.27	67.93	-226.84	9,908.05	3,101.92	2,904.62	197.30	15.722		
12,400.00	6,953.00	6,285.94	5,871.08	193.20	41.23	67.79	-224.49	9,908.39	3,040.81	2,840.36	200.45	15.170		
12,500.00	6,953.00	6,280.14	5,865.83	195.77	41.18	67.66	-222.06	9,908.74	2,981.79	2,778.18	203.61	14.644		
12,600.00	6,953.00	6,274.16	5,860.41	198.35	41.13	67.52	-219.56	9,909.12	2,924.98	2,718.21	206.77	14.146		
12,700.00	6,953.00	6,267.98	5,854.82	200.93	41.08	67.37	-216.96	9,909.51	2,870.53	2,660.62	209.91	13.675		
12,800.00	6,953.00	6,261.61	5,849.05	203.51	41.03	67.22	-214.29	9,909.91	2,818.55	2,605.54	213.01	13.232		
12,900.00	6,953.00	6,260.00	5,847.59	206.10	41.02	67.18	-213.61	9,910.02	2,769.20	2,552.98	216.22	12.807		
13,000.00	6,953.00	6,260.00	5,847.59	208.69	41.02	67.18	-213.61	9,910.02	2,722.63	2,503.21	219.42	12.408		
13,100.00	6,953.00	6,260.00	5,847.59	211.29	41.02	67.18	-213.61	9,910.02	2,678.99	2,456.45	222.54	12.038		
13,200.00	6,953.00	6,260.00	5,847.59	213.88	41.02	67.18	-213.61	9,910.02	2,638.41	2,412.85	225.56	11.697		
13,300.00	6,953.00	6,260.00	5,847.59	216.48	41.02	67.18	-213.61	9,910.02	2,601.05	2,372.60	228.45	11.386		
13,400.00	6,953.00	6,260.00	5,847.59	219.09	41.02	67.18	-213.61	9,910.02	2,567.05	2,335.86	231.19	11.104		
13,500.00	6,953.00	6,236.70	5,826.47	221.69	40.84	66.64	-203.89	9,911.54	2,536.33	2,303.45	232.88	10.891		
13,600.00	6,953.00	6,233.20	5,823.29	224.30	40.81	66.55	-202.45	9,911.77	2,509.36	2,274.26	235.10	10.674		
13,700.00	6,953.00	6,229.70	5,820.11	226.92	40.78	66.47	-201.01	9,912.00	2,486.12	2,249.03	237.09	10.486		
13,800.00	6,953.00	6,226.19	5,816.92	229.53	40.75	66.39	-199.57	9,912.23	2,466.70	2,227.87	238.83	10.328		
13,900.00	6,953.00	6,222.66	5,813.71	232.15	40.73	66.31	-198.12	9,912.46	2,451.21	2,210.89	240.32	10.200		
14,000.00	6,953.00	6,219.13	5,810.49	234.77	40.70	66.22	-196.68	9,912.69	2,439.70	2,198.18	241.52	10.101		
14,100.00	6,953.00	6,215.59	5,807.26	237.39	40.67	66.14	-195.23	9,912.93	2,432.25	2,189.81	242.44	10.032		
14,200.00	6,953.00	6,212.03	5,804.02	240.01	40.64	66.06	-193.79	9,913.16	2,428.89	2,185.83	243.06	9.993		
14,231.93	6,953.00	6,210.89	5,802.98	240.85	40.63	66.03	-193.33	9,913.24	2,428.68	2,185.48	243.20	9.986 CC		
14,300.00	6,953.00	6,208.46	5,800.77	242.64	40.61	65.97	-192.35	9,913.40	2,429.63	2,186.24	243.39	9.983		
14,400.00	6,953.00	6,204.88	5,797.50	245.27	40.58	65.89	-190.90	9,913.63	2,434.48	2,191.06	243.42	10.001		
14,500.00	6,953.00	6,201.30	5,794.23	247.90	40.56	65.80	-189.45	9,913.87	2,443.40	2,200.24	243.16	10.049		
14,600.00	6,953.00	6,197.70	5,790.94	250.53	40.53	65.72	-188.01	9,914.11	2,456.35	2,213.74	242.61	10.125		
14,700.00	6,953.00	6,194.08	5,787.64	253.16	40.50	65.63	-186.56	9,914.35	2,473.27	2,231.48	241.80	10.229		
14,800.00	6,953.00	6,190.46	5,784.33	255.80	40.47	65.55	-185.12	9,914.59	2,494.08	2,253.36	240.72	10.361		
14,900.00	6,953.00	6,170.00	5,765.58	258.43	40.31	65.07	-177.02	9,915.97	2,518.78	2,280.11	238.68	10.553		
15,000.00	6,953.00	6,170.00	5,765.58	261.07	40.31	65.07	-177.02	9,915.97	2,547.03	2,309.72	237.30	10.733		
15,100.00	6,953.00	6,170.00	5,765.58	263.71	40.31	65.07	-177.02	9,915.97	2,578.84	2,343.12	235.72	10.940		
15,200.00	6,953.00	6,170.00	5,765.58	266.36	40.31	65.07	-177.02	9,915.97	2,614.10	2,380.13	233.97	11.173		
15,300.00	6,953.00	6,170.00	5,765.58	269.00	40.31	65.07	-177.02	9,915.97	2,652.65	2,420.61	232.05	11.432		
15,400.00	6,953.00	8,263.36	6,866.72	271.65	51.46	91.64	-661.73	11,097.59	2,686.27	2,377.46	308.81	8.699		
15,500.00	6,953.00	8,347.30	6,865.83	274.29	52.20	91.62	-661.71	11,181.52	2,685.99	2,373.03	312.96	8.583		
15,600.00	6,953.00	8,457.83	6,863.27	276.94	53.36	91.57	-661.92	11,292.02	2,685.92	2,367.98	317.95	8.448		
15,700.00	6,953.00	8,601.38	6,861.51	279.59	55.15	91.53	-660.52	11,435.54	2,684.72	2,360.80	323.92	8.288		
15,800.00	6,953.00	8,678.00	6,860.91	282.24	56.22	91.52	-658.87	11,512.15	2,682.51	2,354.41	328.10	8.176		
15,880.92	6,953.00	8,727.11	6,860.42	284.39	56.97	91.51	-658.31	11,561.25	2,681.65	2,350.53	331.12	8.099		
15,900.00	6,953.00	8,734.74	6,860.32	284.90	57.09	91.51	-658.35	11,568.88	2,681.69	2,349.98	331.71	8.084		

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-20-01
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-20-01	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	6,953.00	8,793.47	6,859.39	287.55	58.05	91.49	-659.48	11,627.59	2,683.17	2,347.84	335.33	8.002		
16,100.00	6,953.00	8,927.97	6,857.99	290.20	60.43	91.46	-661.56	11,762.07	2,684.47	2,343.08	341.39	7.863		
16,200.00	6,953.00	9,041.44	6,857.75	292.86	62.57	91.45	-662.24	11,875.53	2,684.85	2,338.04	346.81	7.741		
16,300.00	6,953.00	9,164.09	6,858.21	295.52	65.00	91.46	-662.29	11,998.17	2,684.70	2,332.16	352.54	7.615		
16,400.00	6,953.00	9,281.72	6,859.74	298.18	67.42	91.50	-661.16	12,115.79	2,683.55	2,325.41	358.14	7.493		
16,500.00	6,953.00	9,349.63	6,860.99	300.84	68.87	91.52	-660.62	12,183.69	2,682.67	2,320.41	362.26	7.405		
16,507.81	6,953.00	9,354.08	6,861.01	301.04	68.97	91.52	-660.63	12,188.14	2,682.66	2,320.11	362.55	7.399		
16,600.00	6,953.00	9,421.95	6,860.28	303.50	70.45	91.51	-661.30	12,256.00	2,683.28	2,316.78	366.50	7.321		
16,700.00	6,953.00	9,542.33	6,859.16	306.16	73.13	91.48	-662.12	12,376.37	2,683.71	2,311.40	372.30	7.208		
16,800.00	6,953.00	9,679.83	6,859.61	308.82	76.25	91.49	-661.70	12,513.86	2,683.22	2,304.61	378.62	7.087		
16,900.00	6,953.00	9,778.67	6,860.42	311.49	78.53	91.51	-660.63	12,612.70	2,681.94	2,298.19	383.76	6.989		
16,997.69	6,953.00	9,844.00	6,861.27	314.09	80.06	91.53	-660.05	12,678.02	2,681.06	2,293.23	387.83	6.913		
17,000.00	6,953.00	9,844.00	6,861.27	314.15	80.06	91.53	-660.05	12,678.02	2,681.06	2,293.18	387.88	6.912		
17,100.00	6,953.00	9,933.00	6,861.28	316.82	82.17	91.53	-660.42	12,767.01	2,681.27	2,288.54	392.73	6.827		
17,200.00	6,953.00	10,012.77	6,860.03	319.48	84.09	91.50	-661.64	12,846.76	2,682.47	2,285.18	397.29	6.752		
17,300.00	6,953.00	10,112.59	6,858.90	322.15	86.51	91.48	-663.13	12,946.56	2,683.73	2,281.20	402.53	6.667		
17,400.00	6,953.00	10,240.78	6,859.66	324.82	89.64	91.49	-664.13	13,074.75	2,684.26	2,275.56	408.70	6.568		
17,500.00	6,953.00	10,359.61	6,861.34	327.49	92.56	91.53	-664.32	13,193.56	2,684.28	2,269.73	414.55	6.475		
17,600.00	6,953.00	10,466.96	6,859.73	330.16	95.21	91.50	-663.84	13,300.89	2,683.57	2,263.53	420.05	6.389		
17,700.00	6,953.00	10,584.05	6,858.31	332.83	98.12	91.47	-662.97	13,417.97	2,682.61	2,256.77	425.84	6.300		
17,800.00	6,953.00	10,680.69	6,857.57	335.50	100.53	91.45	-661.44	13,514.59	2,680.81	2,249.78	431.03	6.220		
17,860.60	6,953.00	10,713.94	6,857.59	337.12	101.36	91.45	-661.25	13,547.85	2,680.34	2,246.96	433.38	6.185		
17,900.00	6,953.00	10,737.00	6,857.73	338.17	101.94	91.45	-661.32	13,570.90	2,680.37	2,245.43	434.94	6.163		
18,000.00	6,953.00	10,845.53	6,858.87	340.85	104.68	91.48	-661.85	13,679.42	2,680.68	2,240.18	440.51	6.085		
18,100.00	6,953.00	10,985.41	6,860.97	343.52	108.22	91.52	-661.12	13,819.28	2,680.00	2,232.96	447.04	5.995		
18,200.00	6,953.00	11,069.93	6,861.39	346.19	110.37	91.53	-660.15	13,903.80	2,678.68	2,226.81	451.87	5.928		
18,300.00	6,953.00	11,162.94	6,859.10	348.87	112.74	91.48	-659.82	13,996.77	2,678.05	2,221.07	456.97	5.860		
18,400.00	6,953.00	11,274.00	6,856.17	351.55	115.58	91.42	-658.87	14,107.79	2,676.88	2,214.24	462.64	5.786		
18,500.00	6,953.00	11,363.00	6,855.05	354.22	117.87	91.40	-658.42	14,196.78	2,676.12	2,208.49	467.63	5.723		
18,600.00	6,953.00	11,476.97	6,856.01	356.90	120.80	91.42	-658.09	14,310.74	2,675.70	2,202.32	473.38	5.652		
18,700.00	6,953.00	11,582.48	6,856.55	359.58	123.52	91.43	-656.87	14,416.24	2,674.34	2,195.47	478.87	5.585		
18,800.00	6,953.00	11,702.82	6,856.72	362.26	126.63	91.44	-655.33	14,536.57	2,672.90	2,188.10	484.80	5.513		
18,900.00	6,953.00	11,824.00	6,857.75	364.94	129.75	91.46	-652.21	14,657.71	2,670.09	2,179.36	490.72	5.441		
18,977.35	6,953.00	11,824.00	6,857.75	367.01	129.75	91.46	-652.21	14,657.71	2,668.96	2,176.43	492.54	5.419		
19,000.00	6,953.00	11,824.00	6,857.75	367.62	129.75	91.46	-652.21	14,657.71	2,669.06	2,176.07	492.99	5.414 ES		
19,073.74	6,953.00	11,824.00	6,857.75	369.59	129.75	91.46	-652.21	14,657.71	2,670.70	2,176.46	494.24	5.404 SF		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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	1,355.84	2,293.00	2,208.35	7.06	11.48	23.14	1,268.87	10,158.07	10,015.75	9,999.12	16.63	602.379		
1,500.00	1,444.94	2,293.00	2,208.35	7.92	11.48	23.61	1,268.87	10,158.07	9,964.64	9,947.54	17.10	582.873		
1,600.00	1,532.39	2,959.86	2,806.85	8.84	16.86	26.98	978.83	10,112.93	9,907.83	9,885.06	22.77	435.192		
1,700.00	1,618.11	2,976.66	2,821.97	9.83	16.99	27.74	971.70	10,111.33	9,848.36	9,824.95	23.41	420.673		
1,800.00	1,701.97	3,012.00	2,853.93	10.89	17.28	28.64	956.93	10,108.19	9,787.04	9,762.82	24.22	404.108		
1,900.00	1,783.88	3,012.00	2,853.93	12.02	17.28	29.43	956.93	10,108.19	9,723.71	9,698.94	24.78	392.448		
1,991.28	1,856.86	3,102.00	2,935.16	13.11	18.00	30.69	919.00	10,100.29	9,664.05	9,638.05	26.00	371.685		
2,000.00	1,863.75	3,102.00	2,935.16	13.21	18.00	30.69	919.00	10,100.29	9,658.27	9,632.22	26.06	370.675		
2,100.00	1,942.74	3,133.79	2,963.80	14.45	18.25	30.86	905.49	10,097.48	9,592.19	9,565.30	26.89	356.665		
2,200.00	2,021.72	3,152.73	2,980.94	15.69	18.41	30.96	897.58	10,095.88	9,526.62	9,498.97	27.65	344.520		
2,300.00	2,100.71	3,191.00	3,015.71	16.95	18.71	31.17	881.89	10,092.85	9,461.59	9,433.02	28.58	331.110		
2,400.00	2,179.70	3,191.00	3,015.71	18.21	18.71	31.17	881.89	10,092.85	9,396.96	9,367.74	29.22	321.605		
2,500.00	2,258.69	3,191.00	3,015.71	19.47	18.71	31.17	881.89	10,092.85	9,332.94	9,303.07	29.88	312.391		
2,600.00	2,337.68	3,232.98	3,053.92	20.74	19.04	31.40	864.77	10,089.83	9,269.30	9,238.43	30.87	300.251		
2,700.00	2,416.66	3,281.00	3,097.49	22.02	19.42	31.66	844.81	10,086.82	9,206.36	9,174.43	31.93	288.326		
2,800.00	2,495.65	3,281.00	3,097.49	23.29	19.42	31.66	844.81	10,086.82	9,143.73	9,111.11	32.63	280.251		
2,900.00	2,574.64	3,281.00	3,097.49	24.57	19.42	31.66	844.81	10,086.82	9,081.78	9,048.44	33.33	272.444		
3,000.00	2,653.63	3,325.96	3,138.16	25.85	19.79	31.91	825.80	10,084.35	9,020.26	8,985.85	34.42	262.070		
3,100.00	2,732.62	3,371.00	3,178.77	27.14	20.15	32.16	806.44	10,082.15	8,959.35	8,923.84	35.52	252.238		
3,200.00	2,811.61	3,371.00	3,178.77	28.42	20.15	32.16	806.44	10,082.15	8,898.91	8,862.65	36.26	245.406		
3,300.00	2,890.59	3,371.00	3,178.77	29.71	20.15	32.16	806.44	10,082.15	8,839.18	8,802.17	37.01	238.805		
3,400.00	2,969.58	3,418.74	3,221.91	31.00	20.53	32.43	786.11	10,080.18	8,779.83	8,741.66	38.17	230.020		
3,500.00	3,048.57	3,492.13	3,288.84	32.29	21.11	32.84	756.12	10,077.58	8,721.21	8,681.67	39.54	220.557		
3,600.00	3,127.56	3,619.74	3,405.15	33.58	22.11	33.56	703.92	10,072.00	8,662.36	8,620.99	41.37	209.384		
3,700.00	3,206.55	3,663.20	3,444.22	34.87	22.46	33.81	685.00	10,070.03	8,603.81	8,561.26	42.55	202.228		
3,800.00	3,285.53	3,705.48	3,482.07	36.16	22.82	34.06	666.22	10,068.18	8,545.74	8,502.01	43.73	195.413		
3,900.00	3,364.52	3,731.00	3,504.83	37.45	23.03	34.22	654.75	10,067.10	8,488.20	8,443.42	44.78	189.538		
4,000.00	3,443.51	3,782.26	3,550.49	38.74	23.46	34.53	631.54	10,065.03	8,431.17	8,385.09	46.08	182.950		
4,100.00	3,522.50	3,880.29	3,637.05	40.04	24.31	35.13	585.74	10,060.96	8,374.50	8,326.65	47.85	175.014		
4,200.00	3,601.49	4,212.23	3,926.75	41.33	27.29	37.27	425.06	10,040.65	8,317.19	8,265.26	51.93	160.150		
4,300.00	3,680.47	4,228.11	3,940.60	42.63	27.43	37.38	417.40	10,039.45	8,259.71	8,206.72	52.99	155.887		
4,400.00	3,759.46	4,267.00	3,974.50	43.92	27.78	37.63	398.52	10,036.80	8,203.04	8,148.77	54.27	151.143		
4,500.00	3,838.45	4,267.00	3,974.50	45.22	27.78	37.63	398.52	10,036.80	8,146.90	8,091.71	55.19	147.609		
4,600.00	3,917.44	4,499.70	4,179.03	46.51	29.83	39.17	289.06	10,018.72	8,090.44	8,032.07	58.37	138.609		
4,700.00	3,996.43	4,535.00	4,210.35	47.81	30.14	39.40	273.06	10,015.72	8,034.37	7,974.72	59.66	134.673		
4,800.00	4,075.42	4,568.51	4,240.16	49.10	30.42	39.62	258.00	10,012.96	7,978.94	7,918.00	60.94	130.933		
4,900.00	4,154.40	4,601.76	4,269.78	50.40	30.71	39.84	243.13	10,010.31	7,924.16	7,861.93	62.23	127.336		
5,000.00	4,233.39	4,625.00	4,290.51	51.70	30.90	40.00	232.78	10,008.51	7,870.04	7,806.60	63.44	124.055		
5,100.00	4,312.38	4,675.10	4,335.11	52.99	31.33	40.33	210.28	10,004.73	7,816.55	7,751.63	64.92	120.400		
5,200.00	4,391.37	4,714.00	4,369.59	54.29	31.67	40.59	192.49	10,001.86	7,763.74	7,697.42	66.31	117.080		
5,300.00	4,470.36	4,834.40	4,475.76	55.59	32.73	41.42	136.54	9,992.14	7,711.02	7,642.48	68.54	112.505		
5,400.00	4,549.34	4,865.86	4,503.47	56.89	33.00	41.63	121.88	9,989.57	7,659.01	7,589.11	69.90	109.574		
5,500.00	4,628.33	4,894.00	4,528.29	58.18	33.25	41.83	108.80	9,987.35	7,607.74	7,536.51	71.24	106.796		
5,600.00	4,707.32	4,927.58	4,557.97	59.48	33.54	42.06	93.31	9,984.82	7,557.24	7,484.60	72.63	104.044		
5,700.00	4,786.31	4,958.55	4,585.47	60.78	33.81	42.27	79.23	9,982.62	7,507.50	7,433.49	74.02	101.427		
5,800.00	4,865.30	4,984.00	4,608.14	62.08	34.03	42.45	67.80	9,980.91	7,458.56	7,383.20	75.36	98.976		
5,900.00	4,944.28	5,297.43	4,890.97	63.38	36.59	44.59	-64.96	9,956.70	7,409.57	7,330.13	79.45	93.266		
6,000.00	5,023.27	5,329.87	4,920.17	64.68	36.86	44.81	-78.76	9,953.64	7,360.14	7,279.25	80.89	90.991		
6,100.00	5,102.26	5,366.00	4,952.57	65.97	37.16	45.07	-94.40	9,950.29	7,311.50	7,229.12	82.38	88.753		
6,200.00	5,181.25	5,396.96	4,980.26	67.27	37.42	45.29	-107.96	9,947.48	7,263.66	7,179.82	83.84	86.637		
6,300.00	5,260.24	5,432.50	5,012.02	68.57	37.72	45.54	-123.59	9,944.32	7,216.63	7,131.28	85.36	84.546		
6,400.00	5,339.23	5,455.00	5,032.12	69.87	37.91	45.70	-133.52	9,942.36	7,170.44	7,083.69	86.75	82.653		

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-20-01
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-20-01	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	5,418.21	5,496.92	5,069.70	71.17	38.26	46.00	-151.76	9,938.91	7,125.08	7,036.73	88.35	80.647		
6,600.00	5,497.20	5,545.00	5,113.20	72.47	38.65	46.34	-171.94	9,935.36	7,080.65	6,990.63	90.01	78.662		
6,700.00	5,576.19	5,796.90	5,343.06	73.77	40.64	48.11	-272.82	9,914.67	7,036.59	6,942.98	93.61	75.167		
6,800.00	5,655.18	5,813.00	5,357.63	75.07	40.77	48.23	-279.47	9,913.03	6,992.02	6,897.02	95.00	73.603		
6,900.00	5,734.17	5,813.00	5,357.63	76.37	40.77	48.23	-279.47	9,913.03	6,948.58	6,852.35	96.23	72.210		
7,000.00	5,813.15	5,813.00	5,357.63	77.67	40.77	48.23	-279.47	9,913.03	6,906.32	6,808.86	97.46	70.864		
7,100.00	5,892.14	5,850.05	5,391.16	78.97	41.06	48.49	-294.85	9,909.68	6,864.70	6,765.64	99.07	69.292		
7,200.00	5,971.13	5,860.35	5,400.50	80.27	41.15	48.57	-299.14	9,908.91	6,824.51	6,724.10	100.41	67.965		
7,300.00	6,050.12	5,902.00	5,438.31	81.57	41.48	48.87	-316.45	9,906.56	6,785.86	6,683.77	102.08	66.475		
7,400.00	6,129.11	5,902.00	5,438.31	82.86	41.48	48.87	-316.45	9,906.56	6,747.76	6,644.44	103.32	65.308		
7,500.00	6,208.09	5,902.00	5,438.31	84.16	41.48	48.87	-316.45	9,906.56	6,710.94	6,606.38	104.56	64.183		
7,600.00	6,287.08	5,915.85	5,450.88	85.46	41.59	48.97	-322.22	9,905.96	6,675.41	6,569.47	105.94	63.010		
7,700.00	6,366.07	6,153.39	5,665.80	86.76	43.52	50.71	-422.38	9,891.87	6,640.31	6,530.54	109.76	60.497		
7,800.00	6,445.06	6,215.85	5,722.74	88.06	44.02	51.17	-447.59	9,887.23	6,604.64	6,492.95	111.69	59.135		
7,900.00	6,524.05	6,260.00	5,763.12	89.36	44.36	51.49	-465.25	9,884.62	6,570.48	6,457.06	113.42	57.929		
8,000.00	6,603.03	6,260.00	5,763.12	90.66	44.36	51.49	-465.25	9,884.62	6,537.20	6,422.50	114.70	56.996		
8,100.00	6,682.02	6,260.00	5,763.12	91.96	44.36	51.49	-465.25	9,884.62	6,505.28	6,389.32	115.96	56.100		
8,133.44	6,708.44	6,260.00	5,763.12	92.40	44.36	51.49	-465.25	9,884.62	6,494.91	6,378.53	116.38	55.808		
8,150.00	6,721.39	6,260.00	5,763.12	92.62	44.36	50.57	-465.25	9,884.62	6,489.62	6,373.04	116.59	55.662		
8,200.00	6,758.90	6,291.72	5,792.08	93.34	44.62	48.65	-478.10	9,883.08	6,471.09	6,353.49	117.60	55.027		
8,250.00	6,793.76	6,300.52	5,800.09	94.13	44.69	47.33	-481.74	9,882.68	6,449.20	6,330.81	118.39	54.476		
8,300.00	6,825.72	6,308.49	5,807.33	95.00	44.75	46.70	-485.04	9,882.32	6,423.99	6,304.80	119.19	53.898		
8,350.00	6,854.52	6,315.56	5,813.75	95.93	44.81	46.68	-487.99	9,882.02	6,395.62	6,275.62	120.00	53.298		
8,400.00	6,879.97	6,351.00	5,845.80	96.92	45.09	47.59	-503.06	9,880.60	6,364.47	6,243.33	121.14	52.536		
8,450.00	6,901.84	6,351.00	5,845.80	97.95	45.09	48.81	-503.06	9,880.60	6,330.31	6,208.42	121.89	51.935		
8,500.00	6,920.00	6,351.00	5,845.80	99.02	45.09	50.74	-503.06	9,880.60	6,293.61	6,170.98	122.63	51.322		
8,550.00	6,934.28	6,351.00	5,845.80	100.12	45.09	53.53	-503.06	9,880.60	6,254.63	6,131.28	123.36	50.703		
8,600.00	6,944.59	6,351.00	5,845.80	101.22	45.09	57.37	-503.06	9,880.60	6,213.63	6,089.56	124.07	50.083		
8,650.00	6,950.84	6,351.00	5,845.80	102.33	45.09	62.53	-503.06	9,880.60	6,170.86	6,046.11	124.75	49.466		
8,701.16	6,953.00	6,351.00	5,845.80	103.44	45.09	69.54	-503.06	9,880.60	6,125.59	6,000.17	125.41	48.843		
8,800.00	6,953.00	6,351.00	5,845.80	105.59	45.09	69.54	-503.06	9,880.60	6,037.02	5,910.34	126.68	47.655		
8,900.00	6,953.00	6,351.00	5,845.80	107.79	45.09	69.54	-503.06	9,880.60	5,947.75	5,819.75	128.00	46.467		
9,000.00	6,953.00	6,351.00	5,845.80	110.02	45.09	69.54	-503.06	9,880.60	5,858.81	5,729.45	129.36	45.291		
9,100.00	6,953.00	6,351.00	5,845.80	112.26	45.09	69.54	-503.06	9,880.60	5,770.24	5,639.48	130.76	44.128		
9,200.00	6,953.00	6,351.00	5,845.80	114.52	45.09	69.54	-503.06	9,880.60	5,682.05	5,549.85	132.20	42.979		
9,300.00	6,953.00	6,351.00	5,845.80	116.80	45.09	69.54	-503.06	9,880.60	5,594.26	5,460.56	133.69	41.844		
9,400.00	6,953.00	6,351.00	5,845.80	119.10	45.09	69.54	-503.06	9,880.60	5,506.88	5,371.65	135.23	40.723		
9,500.00	6,953.00	6,351.00	5,845.80	121.42	45.09	69.54	-503.06	9,880.60	5,419.94	5,283.13	136.81	39.617		
9,600.00	6,953.00	6,351.00	5,845.80	123.75	45.09	69.54	-503.06	9,880.60	5,333.46	5,195.02	138.44	38.525		
9,700.00	6,953.00	6,351.00	5,845.80	126.10	45.09	69.54	-503.06	9,880.60	5,247.45	5,107.33	140.12	37.450		
9,800.00	6,953.00	6,321.28	5,818.94	128.46	44.85	68.91	-490.40	9,881.78	5,161.72	5,020.32	141.41	36.503		
9,900.00	6,953.00	6,319.75	5,817.55	130.84	44.84	68.88	-489.75	9,881.84	5,076.73	4,933.57	143.16	35.462		
10,000.00	6,953.00	6,318.20	5,816.14	133.23	44.83	68.84	-489.10	9,881.91	4,992.29	4,847.32	144.96	34.438		
10,100.00	6,953.00	6,316.63	5,814.71	135.63	44.82	68.81	-488.44	9,881.97	4,908.43	4,761.61	146.82	33.431		
10,200.00	6,953.00	6,315.04	5,813.27	138.04	44.80	68.78	-487.78	9,882.04	4,825.19	4,676.45	148.74	32.441		
10,300.00	6,953.00	6,313.43	5,811.81	140.46	44.79	68.74	-487.10	9,882.11	4,742.59	4,591.88	150.71	31.469		
10,400.00	6,953.00	6,311.80	5,810.34	142.90	44.78	68.71	-486.42	9,882.18	4,660.67	4,507.94	152.74	30.515		
10,500.00	6,953.00	6,310.16	5,808.84	145.34	44.76	68.67	-485.74	9,882.25	4,579.47	4,424.65	154.82	29.579		
10,600.00	6,953.00	6,308.49	5,807.33	147.80	44.75	68.64	-485.04	9,882.32	4,499.03	4,342.06	156.97	28.662		
10,700.00	6,953.00	6,306.80	5,805.80	150.26	44.74	68.60	-484.34	9,882.40	4,419.38	4,260.20	159.18	27.764		
10,800.00	6,953.00	6,305.10	5,804.25	152.73	44.72	68.57	-483.63	9,882.47	4,340.57	4,179.12	161.45	26.885		
10,900.00	6,953.00	6,303.37	5,802.68	155.21	44.71	68.53	-482.91	9,882.55	4,262.65	4,098.87	163.78	26.027		

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-20-01
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-20-01	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	6,953.00	6,301.62	5,801.09	157.70	44.70	68.49	-482.19	9,882.63	4,185.67	4,019.50	166.17	25.189		
11,100.00	6,953.00	6,299.85	5,799.48	160.20	44.68	68.46	-481.46	9,882.71	4,109.67	3,941.05	168.63	24.372		
11,200.00	6,953.00	6,298.06	5,797.85	162.70	44.67	68.42	-480.72	9,882.79	4,034.73	3,863.58	171.14	23.575		
11,300.00	6,953.00	6,296.25	5,796.20	165.21	44.65	68.38	-479.97	9,882.87	3,960.88	3,787.16	173.72	22.800		
11,400.00	6,953.00	6,294.41	5,794.53	167.73	44.64	68.34	-479.21	9,882.95	3,888.21	3,711.85	176.36	22.047		
11,500.00	6,953.00	6,292.55	5,792.84	170.25	44.62	68.30	-478.45	9,883.04	3,816.76	3,637.71	179.05	21.316		
11,600.00	6,953.00	6,290.67	5,791.12	172.78	44.61	68.26	-477.67	9,883.13	3,746.63	3,564.82	181.81	20.608		
11,700.00	6,953.00	6,288.76	5,789.38	175.31	44.59	68.22	-476.89	9,883.22	3,677.87	3,493.26	184.61	19.922		
11,800.00	6,953.00	6,286.83	5,787.62	177.85	44.58	68.18	-476.10	9,883.31	3,610.57	3,423.10	187.47	19.260		
11,900.00	6,953.00	6,260.00	5,763.12	180.40	44.36	67.61	-465.25	9,884.62	3,545.02	3,355.25	189.76	18.681		
12,000.00	6,953.00	6,260.00	5,763.12	182.95	44.36	67.61	-465.25	9,884.62	3,480.86	3,288.12	192.74	18.060		
12,100.00	6,953.00	6,260.00	5,763.12	185.50	44.36	67.61	-465.25	9,884.62	3,418.42	3,222.67	195.75	17.463		
12,200.00	6,953.00	6,260.00	5,763.12	188.06	44.36	67.61	-465.25	9,884.62	3,357.80	3,159.01	198.79	16.891		
12,300.00	6,953.00	6,260.00	5,763.12	190.63	44.36	67.61	-465.25	9,884.62	3,299.10	3,097.25	201.85	16.344		
12,400.00	6,953.00	6,260.00	5,763.12	193.20	44.36	67.61	-465.25	9,884.62	3,242.42	3,037.49	204.92	15.823		
12,500.00	6,953.00	6,260.00	5,763.12	195.77	44.36	67.61	-465.25	9,884.62	3,187.86	2,979.87	208.00	15.327		
12,600.00	6,953.00	6,260.00	5,763.12	198.35	44.36	67.61	-465.25	9,884.62	3,135.55	2,924.50	211.06	14.856		
12,700.00	6,953.00	6,260.00	5,763.12	200.93	44.36	67.61	-465.25	9,884.62	3,085.60	2,871.50	214.10	14.412		
12,800.00	6,953.00	6,260.00	5,763.12	203.51	44.36	67.61	-465.25	9,884.62	3,038.12	2,821.02	217.10	13.994		
12,900.00	6,953.00	6,260.00	5,763.12	206.10	44.36	67.61	-465.25	9,884.62	2,993.22	2,773.17	220.05	13.602		
13,000.00	6,953.00	6,260.00	5,763.12	208.69	44.36	67.61	-465.25	9,884.62	2,951.03	2,728.10	222.93	13.237		
13,100.00	6,953.00	6,260.00	5,763.12	211.29	44.36	67.61	-465.25	9,884.62	2,911.67	2,685.94	225.72	12.899		
13,200.00	6,953.00	6,260.00	5,763.12	213.88	44.36	67.61	-465.25	9,884.62	2,875.25	2,646.83	228.42	12.588		
13,300.00	6,953.00	6,260.00	5,763.12	216.48	44.36	67.61	-465.25	9,884.62	2,841.88	2,610.89	230.99	12.303		
13,400.00	6,953.00	6,246.64	5,750.90	219.09	44.26	67.33	-459.91	9,885.34	2,811.63	2,578.65	232.98	12.068		
13,500.00	6,953.00	6,242.10	5,746.75	221.69	44.22	67.23	-458.09	9,885.59	2,784.66	2,549.56	235.10	11.845		
13,600.00	6,953.00	6,237.29	5,742.35	224.30	44.18	67.13	-456.17	9,885.87	2,761.04	2,524.01	237.03	11.649		
13,700.00	6,953.00	6,232.17	5,737.67	226.92	44.14	67.02	-454.12	9,886.18	2,740.85	2,502.09	238.76	11.479		
13,800.00	6,953.00	6,226.72	5,732.68	229.53	44.10	66.90	-451.94	9,886.52	2,724.18	2,483.90	240.28	11.337		
13,900.00	6,953.00	6,220.90	5,727.36	232.15	44.06	66.78	-449.61	9,886.89	2,711.08	2,469.51	241.57	11.223		
14,000.00	6,953.00	6,214.67	5,721.66	234.77	44.01	66.65	-447.12	9,887.31	2,701.61	2,458.98	242.63	11.135		
14,100.00	6,953.00	6,207.99	5,715.56	237.39	43.95	66.51	-444.45	9,887.77	2,695.80	2,452.37	243.44	11.074		
14,200.00	6,953.00	6,200.80	5,708.99	240.01	43.90	66.35	-441.57	9,888.28	2,693.68	2,449.69	243.99	11.040		
14,207.53	6,953.00	6,200.24	5,708.48	240.21	43.89	66.34	-441.35	9,888.32	2,693.67	2,449.64	244.02	11.039 CC, ES		
14,300.00	6,953.00	6,193.05	5,701.91	242.64	43.84	66.19	-438.47	9,888.85	2,695.25	2,450.95	244.29	11.033		
14,400.00	6,953.00	6,146.72	5,659.74	245.27	43.47	65.21	-419.62	9,892.35	2,700.43	2,457.56	242.88	11.119		
14,500.00	6,953.00	6,139.63	5,653.31	247.90	43.41	65.06	-416.69	9,892.86	2,709.24	2,466.51	242.73	11.162		
14,600.00	6,953.00	6,155.16	5,667.33	250.53	43.54	65.39	-423.28	9,891.90	2,721.92	2,478.67	243.25	11.190		
14,700.00	6,953.00	6,125.33	5,640.21	253.16	43.30	64.75	-411.07	9,894.15	2,737.96	2,496.19	241.77	11.325		
14,800.00	6,953.00	6,101.01	5,618.17	255.80	43.10	64.24	-400.92	9,895.82	2,757.46	2,517.19	240.27	11.477		
14,900.00	6,953.00	6,081.00	5,600.09	258.43	42.94	63.81	-392.44	9,897.07	2,780.37	2,541.64	238.74	11.646		
15,000.00	6,953.00	6,075.19	5,594.85	261.07	42.89	63.69	-389.95	9,897.42	2,806.63	2,569.03	237.60	11.812		
15,100.00	6,953.00	6,069.50	5,589.72	263.71	42.85	63.57	-387.53	9,897.75	2,836.17	2,599.86	236.31	12.002		
15,200.00	6,953.00	6,063.88	5,584.64	266.36	42.80	63.45	-385.12	9,898.08	2,868.88	2,634.02	234.85	12.216		
15,300.00	6,953.00	6,058.31	5,579.62	269.00	42.76	63.33	-382.75	9,898.41	2,904.65	2,671.39	233.26	12.452		
15,400.00	6,953.00	6,052.80	5,574.65	271.65	42.71	63.21	-380.39	9,898.73	2,943.38	2,711.84	231.54	12.712		
15,500.00	6,953.00	6,047.35	5,569.73	274.29	42.67	63.10	-378.07	9,899.05	2,984.94	2,755.23	229.71	12.995		
15,600.00	6,953.00	6,041.96	5,564.87	276.94	42.62	62.98	-375.76	9,899.36	3,029.23	2,801.45	227.78	13.299		
15,700.00	6,953.00	8,947.00	6,981.87	279.59	60.09	93.61	-1,025.22	11,491.69	3,055.90	2,729.93	325.97	9.375		
15,800.00	6,953.00	8,975.24	6,981.95	282.24	60.44	93.62	-1,024.74	11,519.92	3,053.58	2,724.62	328.96	9.283		
15,873.34	6,953.00	9,008.22	6,981.92	284.19	60.86	93.62	-1,024.60	11,552.90	3,053.09	2,721.69	331.41	9.213		
15,900.00	6,953.00	9,037.00	6,981.78	284.90	61.25	93.61	-1,024.83	11,581.68	3,053.26	2,720.50	332.76	9.176		

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-20-01
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-20-01	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				
15,991.85	6,953.00	9,127.00	6,981.76	287.33	62.53	93.61	-1,024.99	11,671.68	3,053.23	2,716.03	337.20	9.055				
16,000.00	6,953.00	9,127.00	6,981.76	287.55	62.53	93.61	-1,024.99	11,671.68	3,053.24	2,715.87	337.37	9.050				
16,100.00	6,953.00	9,185.78	6,982.06	290.20	63.44	93.62	-1,025.21	11,730.46	3,053.74	2,712.64	341.09	8.953				
16,200.00	6,953.00	9,238.57	6,982.25	292.86	64.30	93.62	-1,026.72	11,783.23	3,056.27	2,711.67	344.59	8.869				
16,300.00	6,953.00	9,341.25	6,982.29	295.52	66.10	93.62	-1,030.29	11,885.84	3,059.54	2,709.86	349.68	8.750				
16,400.00	6,953.00	9,468.01	6,982.41	298.18	68.46	93.61	-1,033.78	12,012.56	3,062.06	2,706.49	355.57	8.612				
16,500.00	6,953.00	9,596.80	6,982.42	300.84	70.99	93.61	-1,036.23	12,141.32	3,063.73	2,702.21	361.53	8.474				
16,600.00	6,953.00	9,755.00	6,982.56	303.50	74.22	93.61	-1,036.65	12,299.51	3,063.66	2,695.31	368.35	8.317				
16,700.00	6,953.00	9,844.00	6,983.12	306.16	76.10	93.63	-1,036.36	12,388.50	3,063.17	2,690.02	373.15	8.209				
16,708.96	6,953.00	9,844.00	6,983.12	306.40	76.10	93.63	-1,036.36	12,388.50	3,063.16	2,689.81	373.34	8.205				
16,800.00	6,953.00	9,844.00	6,983.12	308.82	76.10	93.63	-1,036.36	12,388.50	3,064.51	2,689.33	375.18	8.168				
16,900.00	6,953.00	9,958.06	6,983.28	311.49	78.63	93.62	-1,040.08	12,502.49	3,067.60	2,686.81	380.80	8.056				
17,000.00	6,953.00	10,064.36	6,983.59	314.15	81.03	93.63	-1,042.46	12,608.75	3,069.63	2,683.45	386.18	7.949				
17,100.00	6,953.00	10,112.00	6,983.38	316.82	82.12	93.62	-1,044.22	12,656.36	3,072.92	2,683.31	389.61	7.887				
17,200.00	6,953.00	10,212.26	6,982.00	319.48	84.46	93.59	-1,048.80	12,756.51	3,077.19	2,682.35	394.84	7.794				
17,300.00	6,953.00	10,449.96	6,982.54	322.15	90.04	93.60	-1,052.25	12,994.08	3,077.74	2,673.29	404.45	7.610				
17,333.95	6,953.00	10,469.00	6,982.83	323.06	90.49	93.60	-1,052.23	13,013.13	3,077.66	2,671.88	405.78	7.585				
17,400.00	6,953.00	10,511.61	6,983.17	324.82	91.51	93.61	-1,052.46	13,055.73	3,077.91	2,669.39	408.52	7.534				
17,500.00	6,953.00	10,757.93	6,982.93	327.49	97.41	93.61	-1,050.21	13,301.99	3,077.48	2,659.64	417.84	7.365				
17,600.00	6,953.00	10,826.00	6,984.02	330.16	99.04	93.63	-1,047.88	13,370.01	3,073.98	2,651.72	422.26	7.280				
17,700.00	6,953.00	10,905.64	6,985.30	332.83	100.97	93.66	-1,045.84	13,449.61	3,071.33	2,644.37	426.96	7.194				
17,800.00	6,953.00	10,991.77	6,985.29	335.50	103.08	93.66	-1,044.27	13,535.72	3,069.29	2,637.45	431.84	7.107				
17,900.00	6,953.00	11,170.39	6,984.81	338.17	107.47	93.66	-1,039.64	13,714.26	3,066.70	2,627.55	439.16	6.983				
18,000.00	6,953.00	11,259.37	6,986.03	340.85	109.66	93.68	-1,035.84	13,803.16	3,062.34	2,618.20	444.14	6.895				
18,100.00	6,953.00	11,312.61	6,987.45	343.52	110.98	93.71	-1,034.03	13,856.35	3,058.99	2,610.79	448.20	6.825				
18,200.00	6,953.00	11,363.00	6,988.47	346.19	112.24	93.73	-1,033.27	13,906.72	3,057.34	2,605.25	452.09	6.763				
18,300.00	6,953.00	11,480.22	6,989.67	348.87	115.19	93.76	-1,031.67	14,023.92	3,055.78	2,597.92	457.87	6.674				
18,400.00	6,953.00	11,542.00	6,989.81	351.55	116.75	93.76	-1,031.38	14,085.70	3,055.05	2,593.01	462.05	6.612				
18,406.14	6,953.00	11,542.00	6,989.81	351.71	116.75	93.76	-1,031.38	14,085.70	3,055.05	2,592.86	462.19	6.610				
18,500.00	6,953.00	11,585.16	6,989.72	354.22	117.85	93.76	-1,031.86	14,128.86	3,055.85	2,590.29	465.56	6.564				
18,600.00	6,953.00	11,631.00	6,989.45	356.90	119.02	93.75	-1,033.11	14,174.68	3,058.36	2,589.34	469.03	6.521				
18,700.00	6,953.00	11,764.87	6,987.26	359.58	122.48	93.71	-1,038.13	14,308.42	3,061.98	2,586.43	475.55	6.439				
18,800.00	6,953.00	11,952.29	6,985.08	362.26	127.29	93.66	-1,039.34	14,495.80	3,061.86	2,578.19	483.67	6.330				
18,900.00	6,953.00	12,038.11	6,985.75	364.94	129.50	93.68	-1,039.09	14,581.62	3,061.43	2,572.87	488.56	6.266				
18,907.98	6,953.00	12,044.01	6,985.77	365.15	129.65	93.68	-1,039.10	14,587.52	3,061.43	2,572.50	488.93	6.262				
19,000.00	6,953.00	12,124.02	6,985.44	367.62	131.71	93.67	-1,039.53	14,667.54	3,061.70	2,568.24	493.46	6.205				
19,073.74	6,953.00	12,141.00	6,985.35	369.59	132.15	93.67	-1,039.64	14,684.51	3,062.52	2,566.97	495.55	6.180 SF				

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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	1,355.84	2,606.09	2,444.65	7.06	15.97	25.38	969.33	10,151.63	10,006.61	9,985.53	21.09	474.566		
1,500.00	1,444.94	2,653.00	2,486.26	7.92	16.37	26.11	947.93	10,148.31	9,953.90	9,931.94	21.96	453.332		
1,600.00	1,532.39	2,653.00	2,486.26	8.84	16.37	26.70	947.93	10,148.31	9,899.02	9,876.56	22.46	440.769		
1,700.00	1,618.11	2,683.91	2,513.80	9.83	16.63	27.47	934.05	10,146.27	9,842.10	9,818.87	23.23	423.678		
1,800.00	1,701.97	3,013.00	2,804.69	10.89	19.47	29.79	782.52	10,120.83	9,781.50	9,754.97	26.53	368.672		
1,900.00	1,783.88	3,046.57	2,834.32	12.02	19.76	30.78	767.04	10,117.84	9,718.80	9,691.41	27.38	354.905		
1,991.28	1,856.86	3,066.19	2,851.72	13.11	19.93	31.69	758.12	10,116.16	9,659.98	9,631.89	28.09	343.850		
2,000.00	1,863.75	3,068.04	2,853.36	13.21	19.95	31.70	757.28	10,116.00	9,654.29	9,626.13	28.17	342.768		
2,100.00	1,942.74	3,102.00	2,883.61	14.45	20.24	31.88	742.10	10,113.22	9,589.34	9,560.28	29.06	329.981		
2,200.00	2,021.72	3,102.00	2,883.61	15.69	20.24	31.88	742.10	10,113.22	9,524.85	9,495.16	29.69	320.811		
2,300.00	2,100.71	3,138.04	2,915.76	16.95	20.54	32.09	726.06	10,110.43	9,460.82	9,430.19	30.64	308.815		
2,400.00	2,179.70	3,163.26	2,938.22	18.21	20.76	32.23	714.74	10,108.58	9,397.29	9,365.79	31.51	298.247		
2,500.00	2,258.69	3,192.00	2,963.77	19.47	21.00	32.39	701.73	10,106.57	9,334.26	9,301.83	32.43	287.861		
2,600.00	2,337.68	3,192.00	2,963.77	20.74	21.00	32.39	701.73	10,106.57	9,271.78	9,238.67	33.12	279.981		
2,700.00	2,416.66	3,235.52	3,002.58	22.02	21.37	32.64	682.26	10,103.73	9,209.73	9,175.54	34.18	269.430		
2,800.00	2,495.65	3,433.63	3,180.41	23.29	23.02	33.76	596.11	10,089.63	9,147.65	9,111.10	36.55	250.275		
2,900.00	2,574.64	3,462.00	3,205.61	24.57	23.26	33.93	583.26	10,087.46	9,085.64	9,048.11	37.53	242.107		
3,000.00	2,653.63	3,462.00	3,205.61	25.85	23.26	33.93	583.26	10,087.46	9,024.23	8,985.96	38.28	235.773		
3,100.00	2,732.62	3,495.03	3,234.95	27.14	23.54	34.12	568.28	10,085.12	8,963.32	8,924.00	39.32	227.960		
3,200.00	2,811.61	3,511.33	3,249.47	28.42	23.68	34.21	560.94	10,084.07	8,903.06	8,862.83	40.23	221.295		
3,300.00	2,890.59	3,552.00	3,285.80	29.71	24.03	34.45	542.81	10,081.74	8,843.53	8,802.16	41.37	213.776		
3,400.00	2,969.58	3,552.00	3,285.80	31.00	24.03	34.45	542.81	10,081.74	8,784.43	8,742.27	42.16	208.356		
3,500.00	3,048.57	3,552.00	3,285.80	32.29	24.03	34.45	542.81	10,081.74	8,726.07	8,683.10	42.96	203.110		
3,600.00	3,127.56	3,552.00	3,285.80	33.58	24.03	34.45	542.81	10,081.74	8,668.47	8,624.69	43.77	198.034		
3,700.00	3,206.55	3,591.46	3,321.10	34.87	24.36	34.69	525.28	10,079.93	8,611.31	8,566.37	44.94	191.600		
3,800.00	3,285.53	3,607.00	3,335.00	36.16	24.49	34.78	518.34	10,079.35	8,554.97	8,509.06	45.91	186.325		
3,900.00	3,364.52	3,655.75	3,378.38	37.45	24.91	35.07	496.16	10,077.82	8,499.40	8,452.19	47.20	180.069		
4,000.00	3,443.51	3,787.28	3,493.55	38.74	26.09	35.88	432.89	10,072.66	8,443.94	8,394.61	49.33	171.177		
4,100.00	3,522.50	3,821.00	3,522.79	40.04	26.40	36.10	416.17	10,071.15	8,388.69	8,338.16	50.53	165.999		
4,200.00	3,601.49	3,864.64	3,560.58	41.33	26.80	36.38	394.43	10,069.28	8,334.02	8,282.16	51.86	160.713		
4,300.00	3,680.47	4,055.84	3,728.35	42.63	28.50	37.59	303.34	10,059.62	8,279.15	8,224.54	54.61	151.599		
4,400.00	3,759.46	4,088.00	3,757.12	43.92	28.77	37.79	289.07	10,057.90	8,224.75	8,168.92	55.82	147.333		
4,500.00	3,838.45	4,168.45	3,829.12	45.22	29.45	38.29	253.46	10,053.46	8,170.69	8,113.20	57.49	142.120		
4,600.00	3,917.44	4,225.11	3,879.93	46.51	29.92	38.64	228.59	10,050.25	8,117.07	8,058.12	58.95	137.700		
4,700.00	3,996.43	4,268.00	3,918.69	47.81	30.28	38.91	210.35	10,048.01	8,064.11	8,003.82	60.29	133.759		
4,800.00	4,075.42	4,296.39	3,944.32	49.10	30.52	39.08	198.23	10,046.59	8,011.78	7,950.26	61.51	130.243		
4,900.00	4,154.40	4,330.67	3,974.99	50.40	30.81	39.30	183.02	10,044.90	7,960.12	7,897.31	62.81	126.735		
5,000.00	4,233.39	4,357.00	3,998.33	51.70	31.03	39.47	170.90	10,043.62	7,909.15	7,845.11	64.04	123.500		
5,100.00	4,312.38	4,398.80	4,035.24	52.99	31.40	39.75	151.37	10,041.67	7,858.88	7,793.43	65.45	120.072		
5,200.00	4,391.37	4,447.00	4,077.82	54.29	31.82	40.06	128.88	10,039.57	7,809.35	7,742.41	66.94	116.664		
5,300.00	4,470.36	4,468.55	4,096.89	55.59	32.00	40.20	118.88	10,038.69	7,760.51	7,692.35	68.16	113.852		
5,400.00	4,549.34	4,503.91	4,128.33	56.89	32.31	40.43	102.75	10,037.38	7,712.42	7,642.89	69.53	110.915		
5,500.00	4,628.33	4,685.94	4,289.34	58.18	33.90	41.64	18.33	10,028.87	7,664.33	7,591.90	72.43	105.812		
5,600.00	4,707.32	4,715.00	4,314.95	59.48	34.16	41.84	4.69	10,027.28	7,616.69	7,542.90	73.79	103.224		
5,700.00	4,786.31	4,765.32	4,359.50	60.78	34.59	42.18	-18.57	10,024.70	7,569.76	7,494.39	75.36	100.443		
5,800.00	4,865.30	4,805.00	4,394.82	62.08	34.94	42.44	-36.54	10,022.85	7,523.61	7,446.77	76.84	97.912		
5,900.00	4,944.28	4,840.97	4,426.98	63.38	35.24	42.68	-52.61	10,021.30	7,478.22	7,399.94	78.28	95.532		
6,000.00	5,023.27	4,879.09	4,461.15	64.68	35.56	42.94	-69.43	10,019.80	7,433.62	7,353.87	79.75	93.210		
6,100.00	5,102.26	4,937.10	4,513.29	65.97	36.05	43.32	-94.77	10,017.68	7,389.77	7,308.34	81.43	90.749		
6,200.00	5,181.25	5,008.00	4,577.04	67.27	36.64	43.80	-125.66	10,014.97	7,346.46	7,263.21	83.25	88.243		
6,300.00	5,260.24	5,046.73	4,611.78	68.57	36.96	44.06	-142.73	10,013.43	7,303.83	7,219.07	84.77	86.162		
6,400.00	5,339.23	5,098.00	4,657.40	69.87	37.40	44.41	-166.03	10,011.45	7,262.13	7,175.70	86.43	84.023		

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-20-01
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-20-01	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	5,418.21	5,456.00	4,975.65	71.17	40.48	46.91	-328.25	9,988.63	7,219.26	7,127.88	91.38	79.002		
6,600.00	5,497.20	5,456.00	4,975.65	72.47	40.48	46.91	-328.25	9,988.63	7,176.82	7,084.27	92.56	77.541		
6,700.00	5,576.19	5,490.81	5,006.75	73.77	40.78	47.15	-343.67	9,985.98	7,135.25	7,041.14	94.10	75.825		
6,800.00	5,655.18	5,506.63	5,020.84	75.07	40.92	47.27	-350.76	9,984.89	7,094.80	6,999.35	95.45	74.328		
6,900.00	5,734.17	5,546.00	5,055.83	76.37	41.26	47.55	-368.66	9,982.49	7,055.56	6,958.49	97.06	72.690		
7,000.00	5,813.15	5,546.00	5,055.83	77.67	41.26	47.55	-368.66	9,982.49	7,017.14	6,918.88	98.25	71.421		
7,100.00	5,892.14	5,546.00	5,055.83	78.97	41.26	47.55	-368.66	9,982.49	6,979.94	6,880.50	99.43	70.196		
7,200.00	5,971.13	5,546.00	5,055.83	80.27	41.26	47.55	-368.66	9,982.49	6,943.98	6,843.36	100.62	69.015		
7,300.00	6,050.12	5,587.26	5,092.25	81.57	41.62	47.84	-387.93	9,980.38	6,908.87	6,806.59	102.28	67.548		
7,400.00	6,129.11	5,603.38	5,106.38	82.86	41.77	47.96	-395.64	9,979.65	6,875.07	6,771.41	103.65	66.328		
7,500.00	6,208.09	5,635.00	5,133.95	84.16	42.05	48.19	-411.07	9,978.37	6,842.49	6,737.28	105.21	65.035		
7,600.00	6,287.08	6,026.10	5,482.00	85.46	45.41	51.02	-587.73	9,955.97	6,808.27	6,697.38	110.89	61.394		
7,700.00	6,366.07	6,067.12	5,518.76	86.76	45.76	51.32	-605.69	9,952.95	6,774.75	6,662.16	112.58	60.175		
7,800.00	6,445.06	6,082.00	5,532.04	88.06	45.88	51.43	-612.30	9,951.83	6,742.28	6,628.29	113.99	59.150		
7,900.00	6,524.05	6,123.84	5,569.30	89.36	46.24	51.74	-631.08	9,948.78	6,710.85	6,595.15	115.70	58.001		
8,000.00	6,603.03	6,171.00	5,611.18	90.66	46.65	52.09	-652.53	9,945.59	6,680.67	6,563.19	117.48	56.865		
8,100.00	6,682.02	6,171.00	5,611.18	91.96	46.65	52.09	-652.53	9,945.59	6,651.51	6,532.80	118.71	56.033		
8,133.44	6,708.44	6,190.00	5,628.02	92.40	46.81	52.23	-661.24	9,944.35	6,642.03	6,522.68	119.34	55.654		
8,150.00	6,721.39	6,196.28	5,633.58	92.62	46.87	51.35	-664.13	9,943.95	6,637.16	6,517.54	119.62	55.484		
8,200.00	6,758.90	6,638.42	6,031.89	93.34	50.50	52.65	-852.07	9,909.01	6,620.17	6,495.01	125.16	52.894		
8,250.00	6,793.76	6,656.49	6,048.03	94.13	50.65	51.59	-859.89	9,906.84	6,598.04	6,471.97	126.07	52.335		
8,300.00	6,825.72	6,673.06	6,062.90	95.00	50.78	51.25	-866.94	9,904.92	6,572.69	6,445.68	127.00	51.753		
8,350.00	6,854.52	6,687.91	6,076.28	95.93	50.91	51.57	-873.17	9,903.26	6,544.27	6,416.34	127.93	51.154		
8,400.00	6,879.97	6,700.80	6,087.94	96.92	51.01	52.55	-878.50	9,901.86	6,513.00	6,384.14	128.86	50.544		
8,450.00	6,901.84	6,709.00	6,095.37	97.95	51.08	54.19	-881.85	9,900.99	6,479.07	6,349.34	129.74	49.940		
8,500.00	6,920.00	6,709.00	6,095.37	99.02	51.08	56.51	-881.85	9,900.99	6,442.74	6,312.22	130.52	49.361		
8,550.00	6,934.28	6,722.72	6,107.81	100.12	51.19	59.91	-887.44	9,899.56	6,404.23	6,272.78	131.45	48.720		
8,600.00	6,944.59	6,724.93	6,109.82	101.22	51.21	64.21	-888.34	9,899.34	6,363.83	6,231.59	132.23	48.125		
8,650.00	6,950.84	6,724.71	6,109.62	102.33	51.21	69.73	-888.25	9,899.36	6,321.80	6,188.83	132.97	47.543		
8,701.16	6,953.00	6,721.93	6,107.09	103.44	51.18	76.83	-887.12	9,899.65	6,277.41	6,143.75	133.66	46.966		
8,800.00	6,953.00	6,709.00	6,095.37	105.59	51.08	76.58	-881.85	9,900.99	6,190.70	6,055.81	134.89	45.895		
8,900.00	6,953.00	6,705.02	6,091.75	107.79	51.05	76.51	-880.23	9,901.41	6,103.32	5,967.05	136.27	44.789		
9,000.00	6,953.00	6,694.14	6,081.91	110.02	50.96	76.31	-875.75	9,902.58	6,016.32	5,878.71	137.61	43.722		
9,100.00	6,953.00	6,682.67	6,071.56	112.26	50.86	76.09	-870.98	9,903.84	5,929.70	5,790.73	138.97	42.668		
9,200.00	6,953.00	6,670.58	6,060.67	114.52	50.76	75.87	-865.89	9,905.20	5,843.50	5,703.13	140.37	41.629		
9,300.00	6,953.00	6,657.80	6,049.20	116.80	50.66	75.63	-860.45	9,906.68	5,757.71	5,615.91	141.80	40.604		
9,400.00	6,953.00	6,644.27	6,037.11	119.10	50.55	75.37	-854.61	9,908.30	5,672.37	5,529.11	143.26	39.595		
9,500.00	6,953.00	6,629.94	6,024.33	121.42	50.43	75.10	-848.35	9,910.06	5,587.48	5,442.73	144.75	38.602		
9,600.00	6,953.00	6,619.00	6,014.62	123.75	50.34	74.90	-843.52	9,911.44	5,503.06	5,356.74	146.32	37.610		
9,700.00	6,953.00	6,619.00	6,014.62	126.10	50.34	74.90	-843.52	9,911.44	5,419.17	5,271.08	148.10	36.592		
9,800.00	6,953.00	6,619.00	6,014.62	128.46	50.34	74.90	-843.52	9,911.44	5,335.83	5,185.91	149.92	35.591		
9,900.00	6,953.00	6,619.00	6,014.62	130.84	50.34	74.90	-843.52	9,911.44	5,253.08	5,101.28	151.80	34.606		
10,000.00	6,953.00	6,594.18	5,992.51	133.23	50.13	74.43	-832.68	9,914.54	5,170.80	5,017.44	153.36	33.718		
10,100.00	6,953.00	6,588.66	5,987.56	135.63	50.09	74.33	-830.32	9,915.21	5,089.22	4,933.97	155.25	32.781		
10,200.00	6,953.00	6,225.99	5,659.85	138.04	47.13	67.33	-677.88	9,942.02	5,008.23	4,856.67	151.57	33.043		
10,300.00	6,953.00	6,221.50	5,655.88	140.46	47.09	67.25	-675.79	9,942.31	4,927.48	4,774.02	153.46	32.109		
10,400.00	6,953.00	6,217.01	5,651.91	142.90	47.05	67.16	-673.71	9,942.61	4,847.43	4,692.03	155.41	31.192		
10,500.00	6,953.00	6,212.51	5,647.94	145.34	47.01	67.07	-671.63	9,942.90	4,768.13	4,610.73	157.40	30.293		
10,600.00	6,953.00	6,208.01	5,643.96	147.80	46.97	66.99	-669.55	9,943.19	4,689.62	4,530.17	159.45	29.411		
10,700.00	6,953.00	6,203.51	5,639.98	150.26	46.93	66.90	-667.47	9,943.48	4,611.94	4,450.39	161.55	28.548		
10,800.00	6,953.00	6,199.01	5,636.00	152.73	46.89	66.81	-665.39	9,943.77	4,535.12	4,371.42	163.70	27.704		
10,900.00	6,953.00	6,194.51	5,632.01	155.21	46.85	66.72	-663.32	9,944.06	4,459.21	4,293.31	165.90	26.878		

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-20-01
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-20-01	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	6,953.00	6,190.00	5,628.02	157.70	46.81	66.63	-661.24	9,944.35	4,384.27	4,216.11	168.16	26.072		
11,100.00	6,953.00	6,185.49	5,624.03	160.20	46.77	66.55	-659.17	9,944.65	4,310.33	4,139.87	170.46	25.286		
11,200.00	6,953.00	6,171.00	5,611.18	162.70	46.65	66.26	-652.53	9,945.59	4,237.48	4,064.87	172.60	24.550		
11,300.00	6,953.00	6,171.00	5,611.18	165.21	46.65	66.26	-652.53	9,945.59	4,165.71	3,990.61	175.10	23.790		
11,400.00	6,953.00	6,171.00	5,611.18	167.73	46.65	66.26	-652.53	9,945.59	4,095.13	3,917.48	177.65	23.051		
11,500.00	6,953.00	6,171.00	5,611.18	170.25	46.65	66.26	-652.53	9,945.59	4,025.80	3,845.54	180.26	22.334		
11,600.00	6,953.00	6,171.00	5,611.18	172.78	46.65	66.26	-652.53	9,945.59	3,957.78	3,774.87	182.90	21.638		
11,700.00	6,953.00	6,171.00	5,611.18	175.31	46.65	66.26	-652.53	9,945.59	3,891.14	3,705.54	185.60	20.965		
11,800.00	6,953.00	6,171.00	5,611.18	177.85	46.65	66.26	-652.53	9,945.59	3,825.95	3,637.62	188.33	20.315		
11,900.00	6,953.00	6,171.00	5,611.18	180.40	46.65	66.26	-652.53	9,945.59	3,762.30	3,571.19	191.11	19.687		
12,000.00	6,953.00	6,148.99	5,591.65	182.95	46.46	65.83	-642.48	9,947.04	3,700.14	3,506.79	193.35	19.137		
12,100.00	6,953.00	6,145.00	5,588.11	185.50	46.42	65.76	-640.67	9,947.31	3,639.73	3,443.67	196.06	18.564		
12,200.00	6,953.00	6,140.95	5,584.51	188.06	46.39	65.68	-638.83	9,947.59	3,581.09	3,382.30	198.80	18.014		
12,300.00	6,953.00	6,136.84	5,580.86	190.63	46.35	65.60	-636.97	9,947.87	3,524.31	3,322.78	201.53	17.487		
12,400.00	6,953.00	6,132.68	5,577.16	193.20	46.32	65.52	-635.08	9,948.16	3,469.47	3,265.20	204.27	16.985		
12,500.00	6,953.00	6,128.45	5,573.40	195.77	46.28	65.43	-633.17	9,948.45	3,416.67	3,209.67	207.00	16.506		
12,600.00	6,953.00	6,124.16	5,569.58	198.35	46.24	65.35	-631.23	9,948.76	3,366.01	3,156.30	209.71	16.051		
12,700.00	6,953.00	6,119.80	5,565.71	200.93	46.21	65.26	-629.26	9,949.06	3,317.57	3,105.18	212.39	15.620		
12,800.00	6,953.00	6,115.38	5,561.77	203.51	46.17	65.18	-627.27	9,949.38	3,271.47	3,056.44	215.03	15.214		
12,900.00	6,953.00	6,110.89	5,557.77	206.10	46.13	65.09	-625.25	9,949.70	3,227.80	3,010.19	217.62	14.833		
13,000.00	6,953.00	6,106.33	5,553.72	208.69	46.09	65.00	-623.20	9,950.03	3,186.66	2,966.52	220.14	14.476		
13,100.00	6,953.00	6,101.70	5,549.59	211.29	46.05	64.91	-621.12	9,950.37	3,148.15	2,925.57	222.58	14.144		
13,200.00	6,953.00	6,082.00	5,532.04	213.88	45.88	64.53	-612.30	9,951.83	3,112.42	2,887.98	224.44	13.868		
13,300.00	6,953.00	6,082.00	5,532.04	216.48	45.88	64.53	-612.30	9,951.83	3,079.43	2,852.59	226.84	13.575		
13,400.00	6,953.00	6,082.00	5,532.04	219.09	45.88	64.53	-612.30	9,951.83	3,049.36	2,820.23	229.13	13.308		
13,500.00	6,953.00	6,082.00	5,532.04	221.69	45.88	64.53	-612.30	9,951.83	3,022.31	2,791.00	231.30	13.067		
13,600.00	6,953.00	6,082.00	5,532.04	224.30	45.88	64.53	-612.30	9,951.83	2,998.34	2,765.00	233.34	12.850		
13,700.00	6,953.00	6,082.00	5,532.04	226.92	45.88	64.53	-612.30	9,951.83	2,977.54	2,742.32	235.23	12.658		
13,800.00	6,953.00	6,082.00	5,532.04	229.53	45.88	64.53	-612.30	9,951.83	2,959.98	2,723.02	236.96	12.491		
13,900.00	6,953.00	6,082.00	5,532.04	232.15	45.88	64.53	-612.30	9,951.83	2,945.71	2,707.17	238.54	12.349		
14,000.00	6,953.00	6,061.32	5,513.57	234.77	45.71	64.12	-603.32	9,953.38	2,934.65	2,695.47	239.18	12.269		
14,100.00	6,953.00	6,057.18	5,509.87	237.39	45.67	64.04	-601.30	9,953.69	2,927.04	2,686.79	240.25	12.183		
14,200.00	6,953.00	6,053.06	5,506.18	240.01	45.64	63.96	-599.49	9,954.00	2,922.82	2,681.69	241.13	12.121		
14,273.76	6,953.00	6,050.04	5,503.48	241.95	45.61	63.90	-598.16	9,954.22	2,921.89	2,680.23	241.66	12.091 CC		
14,300.00	6,953.00	6,048.97	5,502.52	242.64	45.60	63.88	-597.69	9,954.30	2,922.01	2,680.19	241.82	12.083 ES		
14,400.00	6,953.00	6,044.90	5,498.87	245.27	45.57	63.80	-595.91	9,954.60	2,924.61	2,682.28	242.33	12.069		
14,500.00	6,953.00	6,040.86	5,495.25	247.90	45.54	63.72	-594.14	9,954.90	2,930.61	2,687.96	242.65	12.077		
14,600.00	6,953.00	6,036.83	5,491.64	250.53	45.50	63.64	-592.39	9,955.19	2,939.99	2,697.20	242.79	12.109		
14,700.00	6,953.00	6,032.83	5,488.05	253.16	45.47	63.56	-590.65	9,955.48	2,952.73	2,709.98	242.74	12.164		
14,800.00	6,953.00	6,028.86	5,484.48	255.80	45.44	63.49	-588.93	9,955.77	2,968.76	2,726.24	242.52	12.241		
14,900.00	6,953.00	6,024.90	5,480.92	258.43	45.40	63.41	-587.21	9,956.06	2,988.05	2,745.93	242.13	12.341		
15,000.00	6,953.00	6,020.97	5,477.39	261.07	45.37	63.33	-585.51	9,956.35	3,010.54	2,768.97	241.57	12.463		
15,100.00	6,953.00	6,017.06	5,473.87	263.71	45.34	63.26	-583.83	9,956.63	3,036.14	2,795.29	240.85	12.606		
15,200.00	6,953.00	6,013.17	5,470.37	266.36	45.30	63.18	-582.15	9,956.91	3,064.78	2,824.80	239.98	12.771		
15,300.00	6,953.00	5,955.87	5,419.02	269.00	44.82	62.06	-557.13	9,961.32	3,096.26	2,859.43	236.82	13.074		
15,400.00	6,953.00	5,947.94	5,411.94	271.65	44.75	61.91	-553.62	9,961.96	3,130.59	2,895.07	235.52	13.292		
15,500.00	6,953.00	5,940.01	5,404.86	274.29	44.69	61.75	-550.12	9,962.59	3,167.69	2,933.60	234.09	13.532		
15,600.00	6,953.00	5,932.08	5,397.77	276.94	44.62	61.60	-546.61	9,963.23	3,207.46	2,974.90	232.55	13.792		
15,700.00	6,953.00	5,877.51	5,349.25	279.59	44.15	60.53	-522.07	9,967.72	3,249.67	3,020.68	228.98	14.192		
15,800.00	6,953.00	5,873.61	5,345.79	282.24	44.12	60.46	-520.29	9,968.02	3,294.37	3,066.95	227.42	14.486		
15,900.00	6,953.00	5,869.86	5,342.46	284.90	44.09	60.38	-518.58	9,968.31	3,341.46	3,115.67	225.79	14.799		
16,000.00	6,953.00	5,866.25	5,339.26	287.55	44.05	60.31	-516.93	9,968.59	3,390.84	3,166.74	224.10	15.131		

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-20-01
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-20-01	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						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	6,953.00	5,862.76	5,336.17	290.20	44.02	60.24	-515.34	9,968.85	3,442.41	3,220.05	222.36	15.482	
16,200.00	6,953.00	9,575.00	7,113.01	292.86	70.74	95.38	-1,422.42	11,924.11	3,459.58	3,111.58	347.99	9.941	
16,294.94	6,953.00	9,624.57	7,113.45	295.38	71.51	95.38	-1,421.72	11,973.66	3,458.51	3,106.99	351.52	9.839	
16,300.00	6,953.00	9,626.17	7,113.46	295.52	71.53	95.38	-1,421.72	11,975.27	3,458.51	3,106.83	351.68	9.834	
16,400.00	6,953.00	9,665.00	7,113.85	298.18	72.15	95.39	-1,422.27	12,014.09	3,459.63	3,104.66	354.97	9.746	
16,500.00	6,953.00	9,762.44	7,113.61	300.84	73.83	95.38	-1,424.69	12,111.50	3,461.85	3,101.92	359.93	9.618	
16,600.00	6,953.00	9,829.73	7,112.69	303.50	75.04	95.37	-1,426.60	12,178.76	3,464.31	3,100.29	364.03	9.517	
16,700.00	6,953.00	9,930.63	7,111.36	306.16	76.94	95.34	-1,429.93	12,279.59	3,467.27	3,098.13	369.15	9.393	
16,800.00	6,953.00	10,077.60	7,109.90	308.82	79.82	95.31	-1,433.45	12,426.51	3,469.31	3,093.65	375.66	9.235	
16,900.00	6,953.00	10,166.77	7,109.68	311.49	81.64	95.30	-1,435.01	12,515.67	3,470.83	3,090.36	380.47	9.122	
17,000.00	6,953.00	10,309.43	7,108.43	314.15	84.63	95.28	-1,437.58	12,658.29	3,472.46	3,085.60	386.86	8.976	
17,100.00	6,953.00	10,517.30	7,106.13	316.82	89.12	95.24	-1,437.28	12,866.11	3,472.56	3,077.62	394.94	8.793	
17,200.00	6,953.00	10,604.03	7,105.95	319.48	91.02	95.24	-1,435.55	12,952.83	3,470.33	3,070.55	399.78	8.681	
17,300.00	6,953.00	10,708.47	7,106.33	322.15	93.35	95.25	-1,433.45	13,057.24	3,468.15	3,063.07	405.08	8.562	
17,400.00	6,953.00	10,807.15	7,107.39	324.82	95.59	95.27	-1,431.30	13,155.90	3,465.87	3,055.64	410.23	8.449	
17,500.00	6,953.00	10,956.40	7,109.57	327.49	99.01	95.32	-1,426.97	13,305.06	3,462.90	3,046.26	416.64	8.311	
17,600.00	6,953.00	11,005.00	7,110.38	330.16	100.13	95.33	-1,425.17	13,353.62	3,459.59	3,039.02	420.57	8.226	
17,700.00	6,953.00	11,063.61	7,111.50	332.83	101.51	95.35	-1,423.78	13,412.20	3,457.53	3,032.84	424.69	8.141	
17,764.91	6,953.00	11,095.00	7,112.19	334.56	102.25	95.37	-1,423.71	13,443.58	3,457.30	3,030.15	427.15	8.094	
17,800.00	6,953.00	11,112.08	7,112.59	335.50	102.66	95.37	-1,423.81	13,460.66	3,457.44	3,028.97	428.47	8.069	
17,900.00	6,953.00	11,212.85	7,115.25	338.17	105.08	95.42	-1,424.19	13,561.39	3,457.86	3,024.15	433.71	7.973	
18,000.00	6,953.00	11,337.10	7,116.88	340.85	108.09	95.44	-1,424.60	13,685.62	3,458.12	3,018.48	439.64	7.866	
18,088.33	6,953.00	11,418.77	7,117.62	343.21	110.08	95.46	-1,424.28	13,767.30	3,457.70	3,013.61	444.09	7.786	
18,100.00	6,953.00	11,425.29	7,117.64	343.52	110.23	95.46	-1,424.30	13,773.81	3,457.71	3,013.15	444.56	7.778	
18,200.00	6,953.00	11,571.55	7,115.97	346.19	113.82	95.43	-1,424.03	13,920.05	3,457.22	3,006.08	451.14	7.663	
18,300.00	6,953.00	11,633.80	7,114.22	348.87	115.36	95.40	-1,423.94	13,982.28	3,456.59	3,001.20	455.39	7.590	
18,400.00	6,953.00	11,733.19	7,111.01	351.55	117.83	95.35	-1,424.30	14,081.61	3,456.44	2,995.75	460.70	7.503	
18,412.38	6,953.00	11,742.68	7,110.70	351.88	118.06	95.34	-1,424.35	14,091.11	3,456.44	2,995.17	461.27	7.493	
18,500.00	6,953.00	11,811.00	7,108.50	354.22	119.77	95.31	-1,424.90	14,159.38	3,456.70	2,991.32	465.38	7.428	
18,595.34	6,953.00	11,923.59	7,105.59	356.78	122.59	95.26	-1,425.29	14,271.93	3,456.52	2,985.56	470.96	7.339	
18,600.00	6,953.00	11,925.78	7,105.56	356.90	122.65	95.26	-1,425.29	14,274.13	3,456.52	2,985.39	471.14	7.337	
18,700.00	6,953.00	11,989.00	7,105.40	359.58	124.24	95.25	-1,426.18	14,337.33	3,457.50	2,982.15	475.35	7.274	
18,800.00	6,953.00	12,078.82	7,107.57	362.26	126.52	95.29	-1,427.52	14,427.11	3,458.98	2,978.66	480.32	7.201	
18,900.00	6,953.00	12,148.05	7,109.79	364.94	128.28	95.32	-1,428.56	14,496.29	3,460.67	2,976.03	484.64	7.141	
19,000.00	6,953.00	12,267.73	7,112.25	367.62	131.33	95.36	-1,431.32	14,615.92	3,462.99	2,972.44	490.55	7.059	
19,073.74	6,953.00	12,324.94	7,113.34	369.59	132.80	95.37	-1,432.57	14,673.10	3,464.56	2,970.62	493.94	7.014 SF	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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	1,355.84	2,771.93	2,533.93	7.06	19.63	27.14	718.09	10,125.17	9,974.12	9,949.40	24.72	403.529		
1,500.00	1,444.94	3,012.00	2,737.25	7.92	21.96	28.86	592.55	10,102.69	9,920.27	9,892.81	27.46	361.259		
1,600.00	1,532.39	3,059.36	2,776.84	8.84	22.43	29.77	567.00	10,097.85	9,863.68	9,835.25	28.44	346.874		
1,700.00	1,618.11	3,101.00	2,811.88	9.83	22.84	30.72	544.89	10,093.81	9,805.27	9,775.89	29.38	333.730		
1,800.00	1,701.97	3,101.00	2,811.88	10.89	22.84	31.50	544.89	10,093.81	9,744.90	9,714.94	29.95	325.359		
1,900.00	1,783.88	3,101.00	2,811.88	12.02	22.84	32.34	544.89	10,093.81	9,682.81	9,652.26	30.55	316.988		
1,991.28	1,856.86	3,101.00	2,811.88	13.11	22.84	33.16	544.89	10,093.81	9,624.68	9,593.57	31.11	309.351		
2,000.00	1,863.75	3,133.55	2,839.45	13.21	23.15	33.35	527.84	10,090.85	9,618.88	9,587.40	31.48	305.572		
2,100.00	1,942.74	3,148.08	2,851.81	14.45	23.29	33.44	520.30	10,089.60	9,554.61	9,522.35	32.25	296.253		
2,200.00	2,021.72	3,191.00	2,888.50	15.69	23.71	33.70	498.30	10,086.18	9,491.01	9,457.70	33.31	284.901		
2,300.00	2,100.71	3,191.00	2,888.50	16.95	23.71	33.70	498.30	10,086.18	9,427.73	9,393.74	33.99	277.408		
2,400.00	2,179.70	3,191.00	2,888.50	18.21	23.71	33.70	498.30	10,086.18	9,365.09	9,330.41	34.67	270.110		
2,500.00	2,258.69	3,224.60	2,917.34	19.47	24.02	33.90	481.25	10,083.71	9,302.99	9,267.30	35.69	260.659		
2,600.00	2,337.68	3,254.05	2,942.65	20.74	24.30	34.08	466.31	10,081.62	9,241.41	9,204.72	36.69	251.907		
2,700.00	2,416.66	3,641.00	3,276.38	22.02	27.92	36.46	273.70	10,047.03	9,179.11	9,138.07	41.05	223.625		
2,800.00	2,495.65	3,641.00	3,276.38	23.29	27.92	36.46	273.70	10,047.03	9,116.70	9,074.89	41.81	218.056		
2,900.00	2,574.64	3,641.00	3,276.38	24.57	27.92	36.46	273.70	10,047.03	9,054.96	9,012.38	42.58	212.645		
3,000.00	2,653.63	3,672.16	3,303.52	25.85	28.21	36.65	258.70	10,044.02	8,993.79	8,950.14	43.66	206.014		
3,100.00	2,732.62	3,695.48	3,323.80	27.14	28.42	36.80	247.38	10,041.84	8,933.20	8,888.53	44.67	199.976		
3,200.00	2,811.61	3,730.00	3,353.74	28.42	28.74	37.01	230.49	10,038.76	8,873.21	8,827.40	45.80	193.718		
3,300.00	2,890.59	3,755.34	3,375.65	29.71	28.98	37.17	217.94	10,036.55	8,813.76	8,766.88	46.87	188.035		
3,400.00	2,969.58	3,802.96	3,416.54	31.00	29.43	37.48	193.89	10,032.41	8,754.80	8,706.63	48.17	181.734		
3,500.00	3,048.57	3,841.16	3,449.09	32.29	29.79	37.73	174.18	10,029.10	8,696.35	8,646.94	49.40	176.024		
3,600.00	3,127.56	3,874.17	3,477.07	33.58	30.12	37.94	156.90	10,026.28	8,638.47	8,587.86	50.60	170.714		
3,700.00	3,206.55	3,909.00	3,506.47	34.87	30.46	38.17	138.45	10,023.37	8,581.18	8,529.35	51.83	165.555		
3,800.00	3,285.53	3,909.00	3,506.47	36.16	30.46	38.17	138.45	10,023.37	8,524.57	8,471.86	52.71	161.718		
3,900.00	3,364.52	3,954.76	3,544.96	37.45	30.91	38.48	113.97	10,019.71	8,468.53	8,414.43	54.09	156.558		
4,000.00	3,443.51	3,998.00	3,581.27	38.74	31.34	38.77	90.71	10,016.46	8,413.26	8,357.80	55.46	151.701		
4,100.00	3,522.50	3,998.00	3,581.27	40.04	31.34	38.77	90.71	10,016.46	8,358.61	8,302.23	56.37	148.277		
4,200.00	3,601.49	4,029.20	3,607.44	41.33	31.65	38.98	73.86	10,014.24	8,304.69	8,247.05	57.64	144.090		
4,300.00	3,680.47	4,055.58	3,629.54	42.63	31.91	39.16	59.58	10,012.44	8,251.48	8,192.62	58.86	140.192		
4,400.00	3,759.46	4,087.00	3,655.84	43.92	32.23	39.37	42.52	10,010.37	8,199.00	8,138.85	60.15	136.310		
4,500.00	3,838.45	4,087.00	3,655.84	45.22	32.23	39.37	42.52	10,010.37	8,147.29	8,086.19	61.10	133.346		
4,600.00	3,917.44	4,124.52	3,687.29	46.51	32.60	39.63	22.19	10,008.08	8,096.29	8,033.82	62.48	129.584		
4,700.00	3,996.43	4,145.67	3,705.07	47.81	32.81	39.77	10.78	10,006.90	8,046.13	7,982.44	63.69	126.342		
4,800.00	4,075.42	4,177.00	3,731.45	49.10	33.12	39.98	-6.03	10,005.29	7,996.78	7,931.77	65.02	122.994		
4,900.00	4,154.40	4,177.00	3,731.45	50.40	33.12	39.98	-6.03	10,005.29	7,948.25	7,882.25	66.00	120.429		
5,000.00	4,233.39	4,177.00	3,731.45	51.70	33.12	39.98	-6.03	10,005.29	7,900.68	7,833.70	66.99	117.944		
5,100.00	4,312.38	4,221.74	3,769.47	52.99	33.55	40.28	-29.55	10,003.42	7,853.74	7,785.26	68.48	114.681		
5,200.00	4,391.37	4,267.00	3,808.50	54.29	33.98	40.58	-52.42	10,002.17	7,807.94	7,737.94	69.99	111.552		
5,300.00	4,470.36	4,267.00	3,808.50	55.59	33.98	40.58	-52.42	10,002.17	7,762.78	7,691.77	71.00	109.330		
5,400.00	4,549.34	4,390.11	3,915.73	56.89	35.10	41.40	-112.80	9,998.96	7,718.29	7,644.92	73.36	105.206		
5,500.00	4,628.33	4,507.84	4,018.72	58.18	36.17	42.18	-169.70	9,994.85	7,673.82	7,598.14	75.67	101.409		
5,600.00	4,707.32	4,565.97	4,069.49	59.48	36.70	42.57	-197.90	9,992.51	7,629.81	7,552.46	77.35	98.634		
5,700.00	4,786.31	4,590.81	4,091.16	60.78	36.92	42.73	-210.02	9,991.57	7,586.66	7,507.97	78.69	96.418		
5,800.00	4,865.30	4,777.16	4,250.66	62.08	38.70	44.03	-305.78	9,981.74	7,543.64	7,461.73	81.91	92.093		
5,900.00	4,944.28	4,804.00	4,273.60	63.38	38.96	44.21	-319.62	9,980.11	7,501.20	7,417.88	83.32	90.031		
6,000.00	5,023.27	4,804.00	4,273.60	64.68	38.96	44.21	-319.62	9,980.11	7,459.79	7,375.38	84.41	88.377		
6,100.00	5,102.26	4,847.16	4,310.79	65.97	39.36	44.52	-341.39	9,977.88	7,419.16	7,333.16	86.00	86.271		
6,200.00	5,181.25	4,894.00	4,351.62	67.27	39.80	44.84	-364.28	9,976.16	7,379.75	7,292.11	87.64	84.209		
6,300.00	5,260.24	5,097.00	4,529.67	68.57	41.62	46.23	-461.28	9,967.06	7,341.05	7,250.04	91.01	80.658		
6,400.00	5,339.23	5,144.70	4,570.62	69.87	42.07	46.57	-485.52	9,963.75	7,301.88	7,209.17	92.71	78.759		

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-20-01
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-20-01	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	5,418.21	5,187.00	4,606.94	71.17	42.47	46.88	-507.01	9,960.90	7,263.59	7,169.24	94.35	76.983		
6,600.00	5,497.20	5,233.23	4,646.90	72.47	42.90	47.20	-530.06	9,957.96	7,226.18	7,130.15	96.03	75.246		
6,700.00	5,576.19	5,289.76	4,696.43	73.77	43.42	47.60	-557.13	9,954.80	7,189.60	7,091.77	97.83	73.488		
6,800.00	5,655.18	5,455.00	4,843.17	75.07	44.85	48.75	-632.54	9,945.71	7,153.62	7,052.81	100.81	70.962		
6,900.00	5,734.17	5,455.00	4,843.17	76.37	44.85	48.75	-632.54	9,945.71	7,117.98	7,016.00	101.98	69.799		
7,000.00	5,813.15	5,499.15	4,882.47	77.67	45.24	49.06	-652.49	9,943.12	7,083.22	6,979.58	103.64	68.344		
7,100.00	5,892.14	5,545.00	4,922.93	78.97	45.64	49.38	-673.92	9,940.64	7,049.76	6,944.43	105.33	66.930		
7,200.00	5,971.13	5,545.00	4,922.93	80.27	45.64	49.38	-673.92	9,940.64	7,017.17	6,910.67	106.50	65.889		
7,300.00	6,050.12	5,545.00	4,922.93	81.57	45.64	49.38	-673.92	9,940.64	6,985.86	6,878.20	107.66	64.887		
7,400.00	6,129.11	5,545.00	4,922.93	82.86	45.64	49.38	-673.92	9,940.64	6,955.85	6,847.04	108.82	63.922		
7,500.00	6,208.09	5,585.88	4,958.64	84.16	46.01	49.68	-693.72	9,938.70	6,926.72	6,816.24	110.47	62.700		
7,600.00	6,287.08	5,600.27	4,971.12	85.46	46.15	49.78	-700.86	9,938.09	6,898.98	6,787.18	111.80	61.708		
7,700.00	6,366.07	5,634.00	5,000.17	86.76	46.46	50.02	-717.96	9,936.84	6,872.58	6,759.21	113.37	60.622		
7,800.00	6,445.06	5,634.00	5,000.17	88.06	46.46	50.02	-717.96	9,936.84	6,847.23	6,732.73	114.50	59.802		
7,900.00	6,524.05	5,666.56	5,028.09	89.36	46.77	50.26	-734.66	9,935.76	6,823.18	6,707.13	116.05	58.796		
8,000.00	6,603.03	5,720.45	5,074.42	90.66	47.28	50.66	-762.15	9,934.06	6,800.14	6,682.26	117.88	57.688		
8,100.00	6,682.02	5,746.75	5,097.04	91.96	47.53	50.85	-775.55	9,933.29	6,778.17	6,658.84	119.34	56.798		
8,133.44	6,708.44	5,755.05	5,104.16	92.40	47.61	50.91	-779.80	9,933.05	6,771.10	6,651.28	119.82	56.511		
8,150.00	6,721.39	5,759.11	5,107.64	92.62	47.65	49.96	-781.88	9,932.94	6,767.43	6,647.37	120.06	56.368		
8,200.00	6,758.90	5,770.80	5,117.66	93.34	47.76	47.67	-787.90	9,932.63	6,753.87	6,633.07	120.80	55.910		
8,250.00	6,793.76	5,781.58	5,126.89	94.13	47.86	46.12	-793.46	9,932.35	6,736.69	6,615.13	121.56	55.417		
8,300.00	6,825.72	5,813.00	5,153.72	95.00	48.16	45.40	-809.79	9,931.60	6,716.08	6,593.43	122.64	54.761		
8,350.00	6,854.52	5,813.00	5,153.72	95.93	48.16	44.98	-809.79	9,931.60	6,691.96	6,568.65	123.32	54.267		
8,400.00	6,879.97	5,813.00	5,153.72	96.92	48.16	45.09	-809.79	9,931.60	6,664.65	6,540.65	124.00	53.746		
8,450.00	6,901.84	5,815.59	5,155.93	97.95	48.18	45.78	-811.14	9,931.54	6,634.32	6,509.58	124.74	53.186		
8,500.00	6,920.00	5,826.56	5,165.29	99.02	48.29	47.14	-816.86	9,931.30	6,601.14	6,475.55	125.59	52.560		
8,550.00	6,934.28	5,835.04	5,172.52	100.12	48.37	49.14	-821.28	9,931.12	6,565.32	6,438.91	126.41	51.937		
8,600.00	6,944.59	5,840.92	5,177.55	101.22	48.43	51.90	-824.34	9,931.00	6,527.12	6,399.94	127.18	51.322		
8,650.00	6,950.84	5,844.13	5,180.29	102.33	48.46	55.59	-826.00	9,930.93	6,486.78	6,358.89	127.89	50.720		
8,701.16	6,953.00	5,844.58	5,180.67	103.44	48.46	60.59	-826.24	9,930.92	6,443.59	6,315.03	128.56	50.121		
8,800.00	6,953.00	5,842.66	5,179.03	105.59	48.44	60.55	-825.24	9,930.96	6,358.66	6,228.87	129.79	48.992		
8,900.00	6,953.00	5,840.68	5,177.35	107.79	48.42	60.52	-824.21	9,931.00	6,273.15	6,142.08	131.07	47.862		
9,000.00	6,953.00	5,838.69	5,175.64	110.02	48.41	60.48	-823.18	9,931.04	6,188.06	6,055.69	132.38	46.746		
9,100.00	6,953.00	5,836.67	5,173.92	112.26	48.39	60.45	-822.13	9,931.08	6,103.44	5,969.71	133.72	45.643		
9,200.00	6,953.00	5,834.62	5,172.17	114.52	48.37	60.41	-821.06	9,931.13	6,019.28	5,884.18	135.10	44.554		
9,300.00	6,953.00	5,832.55	5,170.40	116.80	48.35	60.38	-819.98	9,931.17	5,935.61	5,799.10	136.52	43.479		
9,400.00	6,953.00	5,830.45	5,168.61	119.10	48.33	60.34	-818.89	9,931.22	5,852.46	5,714.49	137.97	42.419		
9,500.00	6,953.00	5,828.33	5,166.80	121.42	48.31	60.30	-817.78	9,931.26	5,769.83	5,630.38	139.45	41.374		
9,600.00	6,953.00	5,826.17	5,164.96	123.75	48.29	60.26	-816.66	9,931.31	5,687.77	5,546.79	140.98	40.344		
9,700.00	6,953.00	5,823.99	5,163.10	126.10	48.26	60.23	-815.53	9,931.36	5,606.29	5,463.74	142.54	39.330		
9,800.00	6,953.00	5,821.79	5,161.22	128.46	48.24	60.19	-814.38	9,931.40	5,525.41	5,381.27	144.15	38.332		
9,900.00	6,953.00	5,819.55	5,159.31	130.84	48.22	60.15	-813.21	9,931.45	5,445.17	5,299.38	145.79	37.350		
10,000.00	6,953.00	5,817.28	5,157.37	133.23	48.20	60.11	-812.03	9,931.50	5,365.59	5,218.12	147.47	36.384		
10,100.00	6,953.00	5,814.98	5,155.41	135.63	48.18	60.07	-810.83	9,931.56	5,286.71	5,137.52	149.19	35.436		
10,200.00	6,953.00	5,813.00	5,153.72	138.04	48.16	60.03	-809.79	9,931.60	5,208.55	5,057.59	150.96	34.503		
10,300.00	6,953.00	5,813.00	5,153.72	140.46	48.16	60.03	-809.79	9,931.60	5,131.15	4,978.34	152.81	33.579		
10,400.00	6,953.00	5,813.00	5,153.72	142.90	48.16	60.03	-809.79	9,931.60	5,054.54	4,899.84	154.70	32.674		
10,500.00	6,953.00	5,813.00	5,153.72	145.34	48.16	60.03	-809.79	9,931.60	4,978.76	4,822.13	156.63	31.786		
10,600.00	6,953.00	5,813.00	5,153.72	147.80	48.16	60.03	-809.79	9,931.60	4,903.85	4,745.24	158.61	30.918		
10,700.00	6,953.00	5,813.00	5,153.72	150.26	48.16	60.03	-809.79	9,931.60	4,829.84	4,669.22	160.63	30.068		
10,800.00	6,953.00	5,813.00	5,153.72	152.73	48.16	60.03	-809.79	9,931.60	4,756.79	4,594.10	162.69	29.238		
10,900.00	6,953.00	5,813.00	5,153.72	155.21	48.16	60.03	-809.79	9,931.60	4,684.74	4,519.94	164.80	28.428		

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-20-01
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-20-01	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	6,953.00	5,813.00	5,153.72	157.70	48.16	60.03	-809.79	9,931.60	4,613.72	4,446.78	166.94	27.637		
11,100.00	6,953.00	5,813.00	5,153.72	160.20	48.16	60.03	-809.79	9,931.60	4,543.80	4,374.68	169.12	26.867		
11,200.00	6,953.00	5,813.00	5,153.72	162.70	48.16	60.03	-809.79	9,931.60	4,475.02	4,303.67	171.35	26.117		
11,300.00	6,953.00	5,813.00	5,153.72	165.21	48.16	60.03	-809.79	9,931.60	4,407.44	4,233.83	173.61	25.387		
11,400.00	6,953.00	5,813.00	5,153.72	167.73	48.16	60.03	-809.79	9,931.60	4,341.10	4,165.20	175.90	24.679		
11,500.00	6,953.00	5,813.00	5,153.72	170.25	48.16	60.03	-809.79	9,931.60	4,276.08	4,097.85	178.23	23.992		
11,600.00	6,953.00	5,813.00	5,153.72	172.78	48.16	60.03	-809.79	9,931.60	4,212.43	4,031.84	180.59	23.326		
11,700.00	6,953.00	5,813.00	5,153.72	175.31	48.16	60.03	-809.79	9,931.60	4,150.21	3,967.24	182.97	22.682		
11,800.00	6,953.00	5,813.00	5,153.72	177.85	48.16	60.03	-809.79	9,931.60	4,089.49	3,904.11	185.38	22.060		
11,900.00	6,953.00	5,792.77	5,136.46	180.40	47.97	59.68	-799.26	9,932.07	4,030.24	3,842.99	187.25	21.523		
12,000.00	6,953.00	5,791.49	5,135.36	182.95	47.95	59.66	-798.59	9,932.10	3,972.71	3,783.07	189.65	20.948		
12,100.00	6,953.00	5,790.19	5,134.25	185.50	47.94	59.64	-797.92	9,932.14	3,916.89	3,724.84	192.05	20.396		
12,200.00	6,953.00	5,788.88	5,133.13	188.06	47.93	59.61	-797.24	9,932.17	3,862.85	3,668.40	194.45	19.865		
12,300.00	6,953.00	5,787.55	5,132.00	190.63	47.92	59.59	-796.55	9,932.20	3,810.66	3,613.81	196.85	19.358		
12,400.00	6,953.00	5,786.21	5,130.85	193.20	47.90	59.57	-795.86	9,932.23	3,760.42	3,561.18	199.24	18.874		
12,500.00	6,953.00	5,784.86	5,129.70	195.77	47.89	59.54	-795.16	9,932.27	3,712.18	3,510.57	201.61	18.413		
12,600.00	6,953.00	5,783.50	5,128.53	198.35	47.88	59.52	-794.45	9,932.30	3,666.04	3,462.08	203.96	17.974		
12,700.00	6,953.00	5,782.12	5,127.35	200.93	47.87	59.49	-793.74	9,932.34	3,622.07	3,415.80	206.27	17.560		
12,800.00	6,953.00	5,780.72	5,126.16	203.51	47.85	59.47	-793.02	9,932.37	3,580.35	3,371.80	208.55	17.168		
12,900.00	6,953.00	5,779.31	5,124.95	206.10	47.84	59.45	-792.29	9,932.41	3,540.97	3,330.19	210.77	16.800		
13,000.00	6,953.00	5,777.89	5,123.73	208.69	47.83	59.42	-791.56	9,932.44	3,503.99	3,291.05	212.94	16.455		
13,100.00	6,953.00	5,776.45	5,122.50	211.29	47.81	59.39	-790.81	9,932.48	3,469.51	3,254.46	215.04	16.134		
13,200.00	6,953.00	5,775.00	5,121.26	213.88	47.80	59.37	-790.06	9,932.52	3,437.59	3,220.51	217.07	15.836		
13,300.00	6,953.00	5,773.53	5,120.00	216.48	47.78	59.34	-789.31	9,932.56	3,408.30	3,189.28	219.02	15.562		
13,400.00	6,953.00	5,772.05	5,118.73	219.09	47.77	59.32	-788.54	9,932.60	3,381.72	3,160.84	220.87	15.311		
13,500.00	6,953.00	5,770.55	5,117.45	221.69	47.76	59.29	-787.77	9,932.63	3,357.90	3,135.27	222.63	15.083		
13,600.00	6,953.00	5,769.03	5,116.15	224.30	47.74	59.27	-786.99	9,932.67	3,336.91	3,112.63	224.28	14.878		
13,700.00	6,953.00	5,767.50	5,114.84	226.92	47.73	59.24	-786.20	9,932.72	3,318.80	3,092.98	225.82	14.696		
13,800.00	6,953.00	5,765.95	5,113.51	229.53	47.71	59.21	-785.40	9,932.76	3,303.62	3,076.37	227.25	14.538		
13,900.00	6,953.00	5,764.39	5,112.17	232.15	47.70	59.18	-784.60	9,932.80	3,291.41	3,062.86	228.55	14.401		
14,000.00	6,953.00	5,762.81	5,110.81	234.77	47.68	59.16	-783.78	9,932.84	3,282.20	3,052.47	229.72	14.288		
14,100.00	6,953.00	5,761.21	5,109.44	237.39	47.67	59.13	-782.96	9,932.88	3,276.01	3,045.25	230.77	14.196		
14,200.00	6,953.00	5,759.59	5,108.05	240.01	47.65	59.10	-782.13	9,932.93	3,272.87	3,041.19	231.68	14.127		
14,252.88	6,953.00	5,758.72	5,107.31	241.40	47.64	59.08	-781.68	9,932.95	3,272.44	3,040.33	232.11	14.099 CC		
14,300.00	6,953.00	5,757.95	5,106.65	242.64	47.64	59.07	-781.29	9,932.97	3,272.78	3,040.32	232.46	14.079 ES		
14,400.00	6,953.00	5,756.30	5,105.23	245.27	47.62	59.04	-780.44	9,933.02	3,275.75	3,042.64	233.11	14.053		
14,500.00	6,953.00	5,754.62	5,103.79	247.90	47.60	59.01	-779.58	9,933.06	3,281.76	3,048.14	233.62	14.048		
14,600.00	6,953.00	5,752.93	5,102.34	250.53	47.59	58.98	-778.71	9,933.11	3,290.80	3,056.80	234.00	14.064		
14,700.00	6,953.00	5,751.22	5,100.87	253.16	47.57	58.95	-777.84	9,933.16	3,302.84	3,068.60	234.24	14.100		
14,800.00	6,953.00	5,749.49	5,099.39	255.80	47.55	58.92	-776.95	9,933.21	3,317.85	3,083.49	234.35	14.157		
14,900.00	6,953.00	5,747.74	5,097.88	258.43	47.54	58.89	-776.05	9,933.26	3,335.79	3,101.45	234.34	14.235		
15,000.00	6,953.00	5,745.97	5,096.36	261.07	47.52	58.86	-775.15	9,933.31	3,356.61	3,122.41	234.20	14.332		
15,100.00	6,953.00	5,744.17	5,094.82	263.71	47.50	58.83	-774.23	9,933.36	3,380.26	3,146.33	233.94	14.450		
15,200.00	6,953.00	5,742.36	5,093.27	266.36	47.49	58.80	-773.30	9,933.41	3,406.69	3,173.13	233.55	14.586		
15,300.00	6,953.00	5,740.53	5,091.69	269.00	47.47	58.77	-772.37	9,933.46	3,435.82	3,202.76	233.06	14.742		
15,400.00	6,953.00	5,738.67	5,090.09	271.65	47.45	58.73	-771.42	9,933.52	3,467.59	3,235.13	232.46	14.917		
15,500.00	6,953.00	5,723.00	5,076.61	274.29	47.30	58.46	-763.44	9,933.98	3,501.97	3,270.81	231.16	15.150		
15,600.00	6,953.00	5,723.00	5,076.61	276.94	47.30	58.46	-763.44	9,933.98	3,538.78	3,308.35	230.44	15.357		
15,700.00	6,953.00	5,723.00	5,076.61	279.59	47.30	58.46	-763.44	9,933.98	3,578.02	3,348.39	229.63	15.582		
15,800.00	6,953.00	5,740.58	5,091.75	282.24	47.47	58.77	-772.36	9,933.45	3,619.56	3,390.07	229.49	15.772		
15,900.00	6,953.00	5,736.25	5,088.02	284.90	47.43	58.69	-770.16	9,933.58	3,663.41	3,435.07	228.34	16.044		
16,000.00	6,953.00	5,731.87	5,084.25	287.55	47.39	58.61	-767.94	9,933.72	3,709.43	3,482.31	227.11	16.333		

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-20-01
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-20-01	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		
16,100.00	6,953.00	5,727.44	5,080.44	290.20	47.34	58.54	-765.69	9,933.85	3,757.54	3,531.72	225.82	16.640		
16,200.00	6,953.00	9,438.63	6,817.96	292.86	73.17	90.45	-1,736.02	11,886.82	3,757.87	3,408.78	349.09	10.765		
16,274.49	6,953.00	9,504.37	6,817.80	294.84	74.05	90.45	-1,736.05	11,952.55	3,757.74	3,405.18	352.56	10.658		
16,300.00	6,953.00	9,523.21	6,817.88	295.52	74.31	90.45	-1,736.10	11,971.40	3,757.76	3,404.11	353.66	10.625		
16,400.00	6,953.00	9,632.97	6,819.12	298.18	75.91	90.47	-1,736.71	12,081.15	3,758.15	3,399.23	358.92	10.471		
16,500.00	6,953.00	9,751.30	6,820.06	300.84	77.77	90.48	-1,736.41	12,199.47	3,757.66	3,393.23	364.43	10.311		
16,600.00	6,953.00	9,844.00	6,819.73	303.50	79.33	90.47	-1,736.21	12,292.17	3,757.23	3,387.92	369.31	10.174		
16,700.00	6,953.00	10,051.78	6,817.08	306.16	83.06	90.43	-1,733.51	12,499.90	3,756.02	3,378.87	377.15	9.959		
16,800.00	6,953.00	10,139.56	6,816.00	308.82	84.71	90.42	-1,730.65	12,587.62	3,752.59	3,370.63	381.97	9.824		
16,900.00	6,953.00	10,201.00	6,815.93	311.49	85.91	90.42	-1,729.59	12,649.06	3,750.48	3,364.34	386.14	9.713		
17,000.00	6,953.00	10,275.63	6,815.98	314.15	87.41	90.42	-1,728.94	12,723.69	3,749.28	3,358.64	390.64	9.598		
17,100.00	6,953.00	10,380.00	6,815.20	316.82	89.56	90.41	-1,727.78	12,828.04	3,747.94	3,352.02	395.92	9.466		
17,200.00	6,953.00	10,435.96	6,814.96	319.48	90.74	90.40	-1,727.45	12,884.01	3,747.17	3,347.24	399.93	9.370		
17,212.88	6,953.00	10,442.92	6,814.98	319.83	90.89	90.40	-1,727.46	12,890.96	3,747.16	3,346.72	400.43	9.358		
17,300.00	6,953.00	10,513.77	6,815.55	322.15	92.42	90.41	-1,727.91	12,961.81	3,747.50	3,342.99	404.51	9.264		
17,400.00	6,953.00	10,649.13	6,816.78	324.82	95.40	90.43	-1,728.25	13,097.16	3,747.57	3,336.88	410.69	9.125		
17,500.00	6,953.00	10,779.02	6,817.61	327.49	98.30	90.44	-1,726.70	13,227.04	3,746.03	3,329.31	416.71	8.989		
17,600.00	6,953.00	10,844.70	6,817.29	330.16	99.79	90.44	-1,726.33	13,292.72	3,745.23	3,324.20	421.02	8.896		
17,700.00	6,953.00	10,973.89	6,815.58	332.83	102.77	90.41	-1,726.16	13,421.90	3,745.00	3,317.94	427.06	8.769		
17,800.00	6,953.00	11,095.00	6,813.48	335.50	105.59	90.38	-1,724.33	13,542.97	3,743.20	3,310.33	432.87	8.647		
17,900.00	6,953.00	11,150.75	6,812.79	338.17	106.90	90.37	-1,723.79	13,598.71	3,742.04	3,305.08	436.95	8.564		
17,953.95	6,953.00	11,184.00	6,812.81	339.61	107.69	90.37	-1,723.80	13,631.96	3,741.92	3,302.70	439.22	8.519		
18,000.00	6,953.00	11,214.71	6,812.94	340.85	108.42	90.37	-1,723.96	13,662.67	3,742.05	3,300.83	441.22	8.481		
18,100.00	6,953.00	11,403.59	6,813.16	343.52	112.96	90.38	-1,723.82	13,851.54	3,742.20	3,293.30	448.91	8.336		
18,200.00	6,953.00	11,571.96	6,813.87	346.19	117.01	90.39	-1,719.07	14,019.84	3,739.07	3,283.19	455.88	8.202		
18,300.00	6,953.00	11,631.00	6,814.15	348.87	118.43	90.39	-1,716.86	14,078.84	3,735.41	3,275.24	460.16	8.118		
18,400.00	6,953.00	11,692.06	6,814.36	351.55	119.92	90.40	-1,715.23	14,139.88	3,732.80	3,268.34	464.46	8.037		
18,500.00	6,953.00	11,877.00	6,815.37	354.22	124.44	90.41	-1,709.72	14,324.71	3,729.28	3,257.42	471.86	7.903		
18,600.00	6,953.00	11,966.00	6,814.93	356.90	126.63	90.41	-1,706.49	14,413.65	3,725.45	3,248.54	476.90	7.812		
18,700.00	6,953.00	12,035.43	6,814.49	359.58	128.35	90.40	-1,704.67	14,483.06	3,722.48	3,241.02	481.47	7.732		
18,800.00	6,953.00	12,142.94	6,814.30	362.26	131.03	90.40	-1,701.78	14,590.53	3,719.59	3,232.63	486.96	7.638		
18,900.00	6,953.00	12,275.21	6,813.14	364.94	134.33	90.38	-1,697.33	14,722.71	3,715.97	3,222.91	493.06	7.537		
19,000.00	6,953.00	12,315.00	6,812.61	367.62	135.32	90.37	-1,695.87	14,762.47	3,712.57	3,215.67	496.90	7.471		
19,073.74	6,953.00	12,315.00	6,812.61	369.59	135.32	90.37	-1,695.87	14,762.47	3,711.62	3,212.78	498.85	7.440 SF		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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	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)						
6,500.00	5,418.21	5,690.00	5,610.65	71.17	23.66	37.16	906.18	13,024.06	10,038.44	9,974.19	64.25	156.232					
6,600.00	5,497.20	5,690.00	5,610.65	72.47	23.66	37.16	906.18	13,024.06	9,982.53	9,917.31	65.22	153.054					
6,700.00	5,576.19	5,726.36	5,646.97	73.77	23.78	37.26	905.07	13,022.82	9,927.11	9,860.81	66.29	149.747					
6,800.00	5,655.18	5,775.00	5,695.59	75.07	23.94	37.39	904.17	13,021.61	9,872.28	9,804.88	67.40	146.475					
6,900.00	5,734.17	5,775.00	5,695.59	76.37	23.94	37.39	904.17	13,021.61	9,817.81	9,749.42	68.39	143.555					
7,000.00	5,813.15	5,841.07	5,761.64	77.67	24.15	37.57	903.45	13,020.39	9,763.77	9,694.22	69.55	140.392					
7,100.00	5,892.14	5,894.20	5,814.76	78.97	24.31	37.71	902.94	13,019.54	9,710.00	9,639.32	70.68	137.381					
7,200.00	5,971.13	5,946.90	5,867.46	80.27	24.48	37.85	902.49	13,018.85	9,656.56	9,584.74	71.82	134.458					
7,300.00	6,050.12	6,000.24	5,920.79	81.57	24.64	37.99	902.08	13,018.30	9,603.44	9,530.47	72.97	131.615					
7,400.00	6,129.11	6,058.66	5,979.21	82.86	24.82	38.15	901.68	13,017.82	9,550.59	9,476.46	74.13	128.830					
7,500.00	6,208.09	6,119.23	6,039.78	84.16	25.01	38.32	901.35	13,017.46	9,498.02	9,422.70	75.31	126.114					
7,600.00	6,287.08	6,200.66	6,121.20	85.46	25.25	38.54	901.10	13,017.04	9,445.62	9,369.07	76.55	123.398					
7,700.00	6,366.07	6,258.43	6,178.97	86.76	25.43	38.70	901.06	13,016.82	9,393.40	9,315.67	77.73	120.851					
7,800.00	6,445.06	6,332.32	6,252.86	88.06	25.64	38.90	901.15	13,016.69	9,341.45	9,262.50	78.95	118.325					
7,900.00	6,524.05	6,413.06	6,333.60	89.36	25.88	39.12	901.30	13,016.50	9,289.56	9,209.37	80.19	115.844					
8,000.00	6,603.03	6,485.98	6,406.52	90.66	26.10	39.33	901.31	13,016.36	9,237.84	9,156.41	81.43	113.443					
8,100.00	6,682.02	6,569.83	6,490.37	91.96	26.35	39.57	901.30	13,016.21	9,186.26	9,103.55	82.71	111.069					
8,133.44	6,708.44	6,602.29	6,522.84	92.40	26.45	39.66	901.31	13,016.13	9,169.01	9,085.86	83.15	110.277					
8,150.00	6,721.39	6,618.20	6,538.74	92.62	26.50	38.74	901.32	13,016.08	9,160.27	9,076.91	83.36	109.884					
8,200.00	6,758.90	6,658.22	6,578.76	93.34	26.62	36.50	901.33	13,015.94	9,131.48	9,047.48	84.00	108.704					
8,250.00	6,793.76	6,692.96	6,613.51	94.13	26.73	34.98	901.34	13,015.82	9,099.30	9,014.67	84.63	107.519					
8,300.00	6,825.72	6,717.90	6,638.44	95.00	26.80	34.09	901.35	13,015.74	9,063.98	8,978.75	85.22	106.355					
8,350.00	6,854.52	6,747.65	6,668.19	95.93	26.89	33.85	901.36	13,015.64	9,025.77	8,939.96	85.81	105.184					
8,400.00	6,879.97	6,768.84	6,689.38	96.92	26.96	34.24	901.36	13,015.59	8,984.98	8,898.63	86.35	104.052					
8,450.00	6,901.84	6,787.08	6,707.62	97.95	27.01	35.42	901.35	13,015.55	8,941.91	8,855.06	86.85	102.954					
8,500.00	6,920.00	6,803.50	6,724.04	99.02	27.06	37.70	901.35	13,015.52	8,896.88	8,809.56	87.31	101.896					
8,550.00	6,934.28	6,818.88	6,739.42	100.12	27.11	41.74	901.34	13,015.49	8,850.21	8,762.48	87.73	100.885					
8,600.00	6,944.59	6,831.27	6,751.81	101.22	27.15	48.94	901.34	13,015.46	8,802.25	8,714.17	88.08	99.932					
8,650.00	6,950.84	6,838.72	6,759.26	102.33	27.17	62.72	901.35	13,015.45	8,753.37	8,665.00	88.38	99.047					
8,701.16	6,953.00	6,841.19	6,761.73	103.44	27.18	91.06	901.35	13,015.44	8,702.79	8,614.18	88.61	98.217					
8,800.00	6,953.00	6,840.91	6,761.45	105.59	27.18	91.05	901.35	13,015.44	8,604.78	8,515.79	88.99	96.692					
8,900.00	6,953.00	6,840.63	6,761.17	107.79	27.18	91.03	901.35	13,015.44	8,505.64	8,416.25	89.39	95.152					
9,000.00	6,953.00	6,840.35	6,760.89	110.02	27.18	91.02	901.35	13,015.44	8,406.52	8,316.72	89.80	93.616					
9,100.00	6,953.00	6,840.07	6,760.61	112.26	27.18	91.01	901.35	13,015.44	8,307.42	8,217.20	90.22	92.082					
9,200.00	6,953.00	6,839.79	6,760.34	114.52	27.18	90.99	901.35	13,015.44	8,208.34	8,117.69	90.65	90.552					
9,300.00	6,953.00	6,839.52	6,760.06	116.80	27.17	90.98	901.35	13,015.44	8,109.28	8,018.19	91.09	89.025					
9,400.00	6,953.00	6,839.24	6,759.78	119.10	27.17	90.96	901.35	13,015.44	8,010.25	7,918.70	91.54	87.501					
9,500.00	6,953.00	6,838.97	6,759.51	121.42	27.17	90.95	901.35	13,015.45	7,911.24	7,819.23	92.01	85.981					
9,600.00	6,953.00	6,838.69	6,759.24	123.75	27.17	90.93	901.35	13,015.45	7,812.26	7,719.77	92.49	84.465					
9,700.00	6,953.00	6,838.42	6,758.96	126.10	27.17	90.92	901.35	13,015.45	7,713.30	7,620.31	92.98	82.952					
9,800.00	6,953.00	6,838.15	6,758.69	128.46	27.17	90.91	901.35	13,015.45	7,614.37	7,520.88	93.49	81.444					
9,900.00	6,953.00	6,837.88	6,758.42	130.84	27.17	90.89	901.35	13,015.45	7,515.47	7,421.45	94.01	79.939					
10,000.00	6,953.00	6,837.61	6,758.15	133.23	27.17	90.88	901.35	13,015.45	7,416.60	7,322.04	94.55	78.439					
10,100.00	6,953.00	6,837.35	6,757.89	135.63	27.17	90.87	901.35	13,015.45	7,317.75	7,222.65	95.11	76.944					
10,200.00	6,953.00	6,837.08	6,757.62	138.04	27.17	90.85	901.35	13,015.45	7,218.94	7,123.27	95.68	75.453					
10,300.00	6,953.00	6,836.81	6,757.35	140.46	27.17	90.84	901.35	13,015.45	7,120.17	7,023.91	96.26	73.966					
10,400.00	6,953.00	6,836.55	6,757.09	142.90	27.17	90.82	901.35	13,015.45	7,021.43	6,924.56	96.87	72.485					
10,500.00	6,953.00	6,836.28	6,756.83	145.34	27.17	90.81	901.35	13,015.45	6,922.72	6,825.23	97.49	71.009					
10,600.00	6,953.00	6,836.02	6,756.56	147.80	27.16	90.80	901.35	13,015.45	6,824.05	6,725.92	98.13	69.539					
10,700.00	6,953.00	6,835.76	6,756.30	150.26	27.16	90.78	901.35	13,015.45	6,725.42	6,626.63	98.80	68.073					
10,800.00	6,953.00	6,835.50	6,756.04	152.73	27.16	90.77	901.35	13,015.45	6,626.84	6,527.36	99.48	66.614					
10,900.00	6,953.00	6,835.24	6,755.78	155.21	27.16	90.76	901.35	13,015.45	6,528.29	6,428.10	100.19	65.161					

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-20-01
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-20-01	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					
11,000.00	6,953.00	6,834.98	6,755.52	157.70	27.16	90.74	901.35	13,015.45	6,429.79	6,328.87	100.92	63.713					
11,100.00	6,953.00	6,834.72	6,755.27	160.20	27.16	90.73	901.35	13,015.45	6,331.34	6,229.67	101.67	62.272					
11,200.00	6,953.00	6,834.47	6,755.01	162.70	27.16	90.72	901.34	13,015.46	6,232.94	6,130.49	102.45	60.838					
11,300.00	6,953.00	6,834.21	6,754.75	165.21	27.16	90.70	901.34	13,015.46	6,134.59	6,031.33	103.26	59.410					
11,400.00	6,953.00	6,833.96	6,754.50	167.73	27.16	90.69	901.34	13,015.46	6,036.29	5,932.20	104.09	57.990					
11,500.00	6,953.00	6,833.71	6,754.25	170.25	27.16	90.68	901.34	13,015.46	5,938.05	5,833.09	104.96	56.577					
11,600.00	6,953.00	6,833.45	6,753.99	172.78	27.16	90.67	901.34	13,015.46	5,839.87	5,734.02	105.85	55.171					
11,700.00	6,953.00	6,833.20	6,753.74	175.31	27.16	90.65	901.34	13,015.46	5,741.75	5,634.97	106.78	53.773					
11,800.00	6,953.00	6,832.95	6,753.49	177.85	27.15	90.64	901.34	13,015.46	5,643.70	5,535.96	107.74	52.384					
11,900.00	6,953.00	6,832.70	6,753.24	180.40	27.15	90.63	901.34	13,015.46	5,545.71	5,436.98	108.73	51.003					
12,000.00	6,953.00	6,832.45	6,752.99	182.95	27.15	90.61	901.34	13,015.46	5,447.80	5,338.04	109.77	49.630					
12,100.00	6,953.00	6,832.21	6,752.75	185.50	27.15	90.60	901.34	13,015.46	5,349.97	5,239.13	110.84	48.267					
12,200.00	6,953.00	6,831.96	6,752.50	188.06	27.15	90.59	901.34	13,015.46	5,252.22	5,140.26	111.96	46.913					
12,300.00	6,953.00	6,831.71	6,752.25	190.63	27.15	90.58	901.34	13,015.46	5,154.56	5,041.44	113.12	45.569					
12,400.00	6,953.00	6,831.47	6,752.01	193.20	27.15	90.56	901.34	13,015.46	5,056.98	4,942.66	114.32	44.234					
12,500.00	6,953.00	6,831.22	6,751.77	195.77	27.15	90.55	901.34	13,015.46	4,959.51	4,843.93	115.58	42.910					
12,600.00	6,953.00	6,830.98	6,751.52	198.35	27.15	90.54	901.34	13,015.46	4,862.13	4,745.25	116.89	41.597					
12,700.00	6,953.00	6,830.74	6,751.28	200.93	27.15	90.53	901.34	13,015.46	4,764.87	4,646.62	118.25	40.295					
12,800.00	6,953.00	6,830.50	6,751.04	203.51	27.15	90.51	901.34	13,015.46	4,667.72	4,548.05	119.67	39.005					
12,900.00	6,953.00	6,830.26	6,750.80	206.10	27.15	90.50	901.34	13,015.46	4,570.69	4,449.54	121.15	37.727					
13,000.00	6,953.00	6,830.02	6,750.56	208.69	27.15	90.49	901.34	13,015.47	4,473.80	4,351.10	122.70	36.460					
13,100.00	6,953.00	6,829.78	6,750.32	211.29	27.15	90.48	901.34	13,015.47	4,377.04	4,252.72	124.32	35.207					
13,200.00	6,953.00	6,829.54	6,750.09	213.88	27.14	90.47	901.34	13,015.47	4,280.44	4,154.42	126.02	33.967					
13,300.00	6,953.00	6,829.31	6,749.85	216.48	27.14	90.45	901.34	13,015.47	4,183.99	4,056.20	127.79	32.741					
13,400.00	6,953.00	6,829.07	6,749.61	219.09	27.14	90.44	901.34	13,015.47	4,087.71	3,958.07	129.65	31.529					
13,500.00	6,953.00	6,828.84	6,749.38	221.69	27.14	90.43	901.34	13,015.47	3,991.62	3,860.03	131.60	30.332					
13,600.00	6,953.00	6,828.60	6,749.14	224.30	27.14	90.42	901.34	13,015.47	3,895.72	3,762.08	133.64	29.151					
13,700.00	6,953.00	6,828.37	6,748.91	226.92	27.14	90.41	901.34	13,015.47	3,800.04	3,664.25	135.79	27.985					
13,800.00	6,953.00	6,828.14	6,748.68	229.53	27.14	90.39	901.34	13,015.47	3,704.58	3,566.54	138.05	26.836					
13,900.00	6,953.00	6,827.91	6,748.45	232.15	27.14	90.38	901.34	13,015.47	3,609.37	3,468.95	140.42	25.704					
14,000.00	6,953.00	6,827.68	6,748.22	234.77	27.14	90.37	901.34	13,015.47	3,514.43	3,371.50	142.93	24.589					
14,100.00	6,953.00	6,827.45	6,747.99	237.39	27.14	90.36	901.34	13,015.47	3,419.77	3,274.20	145.56	23.493					
14,200.00	6,953.00	6,827.22	6,747.76	240.01	27.14	90.35	901.34	13,015.47	3,325.43	3,177.07	148.35	22.416					
14,300.00	6,953.00	6,826.99	6,747.53	242.64	27.14	90.33	901.34	13,015.47	3,231.42	3,080.13	151.29	21.359					
14,400.00	6,953.00	6,826.76	6,747.30	245.27	27.14	90.32	901.34	13,015.47	3,137.79	2,983.38	154.41	20.322					
14,500.00	6,953.00	6,826.54	6,747.08	247.90	27.14	90.31	901.34	13,015.47	3,044.56	2,886.86	157.70	19.306					
14,600.00	6,953.00	6,826.31	6,746.85	250.53	27.13	90.30	901.34	13,015.47	2,951.77	2,790.58	161.20	18.312					
14,700.00	6,953.00	6,826.09	6,746.63	253.16	27.13	90.29	901.34	13,015.47	2,859.48	2,694.57	164.90	17.341					
14,800.00	6,953.00	6,825.86	6,746.41	255.80	27.13	90.28	901.34	13,015.47	2,767.71	2,598.88	168.84	16.393					
14,900.00	6,953.00	6,825.64	6,746.18	258.43	27.13	90.27	901.34	13,015.47	2,676.54	2,503.52	173.02	15.469					
15,000.00	6,953.00	6,825.42	6,745.96	261.07	27.13	90.25	901.34	13,015.47	2,586.02	2,408.55	177.47	14.571					
15,100.00	6,953.00	6,825.20	6,745.74	263.71	27.13	90.24	901.34	13,015.48	2,496.22	2,314.01	182.21	13.699					
15,200.00	6,953.00	6,824.98	6,745.52	266.36	27.13	90.23	901.34	13,015.48	2,407.23	2,219.96	187.27	12.854					
15,300.00	6,953.00	6,824.76	6,745.30	269.00	27.13	90.22	901.34	13,015.48	2,319.13	2,126.48	192.66	12.038					
15,400.00	6,953.00	6,824.54	6,745.08	271.65	27.13	90.21	901.34	13,015.48	2,232.04	2,033.63	198.41	11.250					
15,500.00	6,953.00	6,824.32	6,744.86	274.29	27.13	90.20	901.34	13,015.48	2,146.08	1,941.53	204.55	10.492					
15,600.00	6,953.00	6,824.10	6,744.64	276.94	27.13	90.19	901.34	13,015.48	2,061.38	1,850.27	211.10	9.765					
15,700.00	6,953.00	6,823.89	6,744.43	279.59	27.13	90.18	901.34	13,015.48	1,978.10	1,760.01	218.09	9.070					
15,800.00	6,953.00	6,823.67	6,744.21	282.24	27.13	90.16	901.34	13,015.48	1,896.45	1,670.91	225.54	8.408					
15,900.00	6,953.00	6,823.46	6,744.00	284.90	27.13	90.15	901.34	13,015.48	1,816.63	1,583.16	233.47	7.781					
16,000.00	6,953.00	6,823.24	6,743.78	287.55	27.13	90.14	901.34	13,015.48	1,738.90	1,497.02	241.89	7.189					
16,100.00	6,953.00	6,823.03	6,743.57	290.20	27.12	90.13	901.34	13,015.48	1,663.55	1,412.77	250.78	6.633					

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-20-01
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-20-01	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	
16,200.00	6,953.00	6,822.82	6,743.36	292.86	27.12	90.12	901.34	13,015.48	1,590.92	1,330.79	260.14	6.116	
16,300.00	6,953.00	6,822.60	6,743.15	295.52	27.12	90.11	901.34	13,015.48	1,521.40	1,251.50	269.91	5.637	
16,400.00	6,953.00	6,822.39	6,742.93	298.18	27.12	90.10	901.34	13,015.48	1,455.44	1,175.43	280.01	5.198	
16,500.00	6,953.00	6,822.18	6,742.72	300.84	27.12	90.09	901.34	13,015.48	1,393.53	1,103.22	290.31	4.800	
16,600.00	6,953.00	6,821.97	6,742.51	303.50	27.12	90.08	901.34	13,015.48	1,336.25	1,035.61	300.63	4.445	
16,700.00	6,953.00	6,821.76	6,742.31	306.16	27.12	90.07	901.34	13,015.48	1,284.20	973.48	310.73	4.133	
16,800.00	6,953.00	6,821.56	6,742.10	308.82	27.12	90.06	901.34	13,015.48	1,238.07	917.78	320.28	3.866	
16,900.00	6,953.00	6,821.35	6,741.89	311.49	27.12	90.05	901.34	13,015.48	1,198.51	869.59	328.92	3.644	
17,000.00	6,953.00	6,821.14	6,741.68	314.15	27.12	90.03	901.34	13,015.48	1,166.22	830.00	336.22	3.469	
17,100.00	6,953.00	6,820.94	6,741.48	316.82	27.12	90.02	901.34	13,015.48	1,141.79	800.02	341.77	3.341	
17,200.00	6,953.00	6,820.73	6,741.27	319.48	27.12	90.01	901.34	13,015.48	1,125.75	780.56	345.19	3.261	
17,300.00	6,953.00	6,820.53	6,741.07	322.15	27.12	90.00	901.34	13,015.48	1,118.46	772.24	346.21	3.231 SF	
17,331.86	6,953.00	6,820.46	6,741.00	323.00	27.12	90.00	901.34	13,015.48	1,118.00	771.99	346.02	3.231 CC, ES	
17,400.00	6,953.00	6,820.32	6,740.86	324.82	27.12	89.99	901.34	13,015.49	1,120.08	775.34	344.74	3.249	
17,500.00	6,953.00	6,820.12	6,740.66	327.49	27.12	89.98	901.34	13,015.49	1,130.58	789.76	340.82	3.317	
17,600.00	6,953.00	6,819.92	6,740.46	330.16	27.12	89.97	901.34	13,015.49	1,149.71	815.02	334.69	3.435	
17,700.00	6,953.00	6,819.71	6,740.26	332.83	27.11	89.96	901.34	13,015.49	1,177.05	850.34	326.71	3.603	
17,800.00	6,953.00	6,819.51	6,740.05	335.50	27.11	89.95	901.34	13,015.49	1,212.06	894.76	317.30	3.820	
17,900.00	6,953.00	6,819.31	6,739.85	338.17	27.11	89.94	901.34	13,015.49	1,254.08	947.17	306.91	4.086	
18,000.00	6,953.00	6,819.11	6,739.65	340.85	27.11	89.93	901.34	13,015.49	1,302.44	1,006.50	295.93	4.401	
18,100.00	6,953.00	6,818.91	6,739.46	343.52	27.11	89.92	901.34	13,015.49	1,356.45	1,071.73	284.72	4.764	
18,200.00	6,953.00	6,818.72	6,739.26	346.19	27.11	89.91	901.34	13,015.49	1,415.48	1,141.94	273.54	5.175	
18,300.00	6,953.00	6,818.52	6,739.06	348.87	27.11	89.90	901.34	13,015.49	1,478.92	1,216.31	262.61	5.632	
18,400.00	6,953.00	6,818.32	6,738.86	351.55	27.11	89.89	901.34	13,015.49	1,546.24	1,294.17	252.06	6.134	
18,500.00	6,953.00	6,818.13	6,738.67	354.22	27.11	89.88	901.34	13,015.49	1,616.93	1,374.94	241.99	6.682	
18,600.00	6,953.00	6,817.93	6,738.47	356.90	27.11	89.87	901.34	13,015.49	1,690.59	1,458.14	232.45	7.273	
18,700.00	6,953.00	6,817.74	6,738.28	359.58	27.11	89.86	901.34	13,015.49	1,766.84	1,543.39	223.45	7.907	
18,800.00	6,953.00	6,817.54	6,738.08	362.26	27.11	89.85	901.34	13,015.49	1,845.36	1,630.35	215.01	8.583	
18,900.00	6,953.00	6,817.35	6,737.89	364.94	27.11	89.84	901.34	13,015.49	1,925.87	1,718.76	207.11	9.299	
19,000.00	6,953.00	6,817.15	6,737.70	367.62	27.11	89.83	901.34	13,015.49	2,008.13	1,808.41	199.72	10.055	
19,073.74	6,953.00	6,817.01	6,737.55	369.59	27.11	89.82	901.34	13,015.49	2,069.80	1,875.21	194.59	10.637	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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		
8,800.00	6,953.00	6,907.27	6,788.73	105.59	29.26	92.48	915.51	14,451.69	10,028.75	9,942.17	86.58	115.831		
8,900.00	6,953.00	6,906.91	6,788.37	107.79	29.26	92.46	915.51	14,451.69	9,929.36	9,842.46	86.89	114.270		
9,000.00	6,953.00	6,906.55	6,788.01	110.02	29.26	92.45	915.51	14,451.69	9,829.98	9,742.77	87.21	112.712		
9,100.00	6,953.00	6,906.18	6,787.65	112.26	29.26	92.43	915.51	14,451.69	9,730.62	9,643.08	87.54	111.155		
9,200.00	6,953.00	6,905.82	6,787.28	114.52	29.26	92.41	915.51	14,451.70	9,631.27	9,543.39	87.88	109.601		
9,300.00	6,953.00	6,905.45	6,786.91	116.80	29.26	92.39	915.51	14,451.70	9,531.93	9,443.71	88.22	108.049		
9,400.00	6,953.00	6,905.08	6,786.54	119.10	29.25	92.37	915.51	14,451.70	9,432.61	9,344.04	88.57	106.499		
9,500.00	6,953.00	6,904.71	6,786.17	121.42	29.25	92.35	915.51	14,451.70	9,333.30	9,244.37	88.93	104.952		
9,600.00	6,953.00	6,904.33	6,785.80	123.75	29.25	92.33	915.51	14,451.70	9,234.01	9,144.71	89.30	103.408		
9,700.00	6,953.00	6,903.96	6,785.42	126.10	29.25	92.31	915.51	14,451.70	9,134.73	9,045.06	89.67	101.866		
9,800.00	6,953.00	6,903.58	6,785.04	128.46	29.25	92.29	915.51	14,451.71	9,035.47	8,945.41	90.06	100.327		
9,900.00	6,953.00	6,903.20	6,784.66	130.84	29.25	92.27	915.51	14,451.71	8,936.22	8,845.77	90.46	98.792		
10,000.00	6,953.00	6,902.82	6,784.28	133.23	29.25	92.25	915.51	14,451.71	8,836.99	8,746.13	90.86	97.259		
10,100.00	6,953.00	6,902.43	6,783.89	135.63	29.25	92.23	915.51	14,451.71	8,737.78	8,646.51	91.28	95.729		
10,200.00	6,953.00	6,902.04	6,783.50	138.04	29.25	92.21	915.51	14,451.71	8,638.59	8,546.89	91.70	94.202		
10,300.00	6,953.00	6,901.65	6,783.11	140.46	29.25	92.19	915.51	14,451.72	8,539.42	8,447.28	92.14	92.679		
10,400.00	6,953.00	6,901.26	6,782.72	142.90	29.24	92.17	915.51	14,451.72	8,440.26	8,347.67	92.59	91.160		
10,500.00	6,953.00	6,900.87	6,782.33	145.34	29.24	92.15	915.51	14,451.72	8,341.13	8,248.08	93.05	89.644		
10,600.00	6,953.00	6,900.47	6,781.93	147.80	29.24	92.13	915.51	14,451.72	8,242.01	8,148.49	93.52	88.131		
10,700.00	6,953.00	6,900.07	6,781.53	150.26	29.24	92.11	915.51	14,451.72	8,142.92	8,048.92	94.00	86.623		
10,800.00	6,953.00	6,899.67	6,781.13	152.73	29.24	92.09	915.52	14,451.73	8,043.85	7,949.35	94.50	85.118		
10,900.00	6,953.00	6,899.27	6,780.73	155.21	29.24	92.07	915.52	14,451.73	7,944.81	7,849.79	95.01	83.618		
11,000.00	6,953.00	6,898.86	6,780.32	157.70	29.24	92.05	915.52	14,451.73	7,845.78	7,750.25	95.54	82.122		
11,100.00	6,953.00	6,898.45	6,779.91	160.20	29.24	92.02	915.52	14,451.73	7,746.79	7,650.71	96.08	80.630		
11,200.00	6,953.00	6,898.04	6,779.50	162.70	29.24	92.00	915.52	14,451.74	7,647.82	7,551.18	96.63	79.143		
11,300.00	6,953.00	6,897.63	6,779.09	165.21	29.24	91.98	915.52	14,451.74	7,548.87	7,451.67	97.20	77.661		
11,400.00	6,953.00	6,897.21	6,778.67	167.73	29.23	91.96	915.52	14,451.74	7,449.96	7,352.17	97.79	76.183		
11,500.00	6,953.00	6,896.79	6,778.25	170.25	29.23	91.94	915.52	14,451.74	7,351.07	7,252.68	98.39	74.711		
11,600.00	6,953.00	6,896.37	6,777.83	172.78	29.23	91.92	915.52	14,451.74	7,252.21	7,153.20	99.02	73.243		
11,700.00	6,953.00	6,895.95	6,777.41	175.31	29.23	91.89	915.52	14,451.75	7,153.39	7,053.74	99.66	71.781		
11,800.00	6,953.00	6,895.52	6,776.98	177.85	29.23	91.87	915.52	14,451.75	7,054.60	6,954.29	100.32	70.324		
11,900.00	6,953.00	6,895.09	6,776.55	180.40	29.23	91.85	915.52	14,451.75	6,955.84	6,854.85	100.99	68.874		
12,000.00	6,953.00	6,894.66	6,776.12	182.95	29.23	91.83	915.52	14,451.75	6,857.12	6,755.43	101.69	67.429		
12,100.00	6,953.00	6,894.22	6,775.69	185.50	29.23	91.80	915.52	14,451.76	6,758.44	6,656.02	102.42	65.990		
12,200.00	6,953.00	6,893.79	6,775.25	188.06	29.23	91.78	915.52	14,451.76	6,659.80	6,556.64	103.16	64.557		
12,300.00	6,953.00	6,893.35	6,774.81	190.63	29.22	91.76	915.52	14,451.76	6,561.20	6,457.26	103.93	63.131		
12,400.00	6,953.00	6,892.90	6,774.37	193.20	29.22	91.74	915.52	14,451.76	6,462.64	6,357.91	104.72	61.711		
12,500.00	6,953.00	6,892.46	6,773.92	195.77	29.22	91.71	915.52	14,451.77	6,364.12	6,258.58	105.54	60.298		
12,600.00	6,953.00	6,892.01	6,773.47	198.35	29.22	91.69	915.52	14,451.77	6,265.65	6,159.26	106.39	58.893		
12,700.00	6,953.00	6,891.56	6,773.02	200.93	29.22	91.67	915.52	14,451.77	6,167.24	6,059.97	107.27	57.494		
12,800.00	6,953.00	6,891.11	6,772.57	203.51	29.22	91.64	915.52	14,451.77	6,068.87	5,960.70	108.17	56.104		
12,900.00	6,953.00	6,890.65	6,772.11	206.10	29.22	91.62	915.53	14,451.78	5,970.56	5,861.45	109.11	54.721		
13,000.00	6,953.00	6,890.19	6,771.65	208.69	29.22	91.59	915.53	14,451.78	5,872.30	5,762.22	110.08	53.346		
13,100.00	6,953.00	6,889.73	6,771.19	211.29	29.22	91.57	915.53	14,451.78	5,774.11	5,663.02	111.09	51.979		
13,200.00	6,953.00	6,889.26	6,770.72	213.88	29.21	91.55	915.53	14,451.78	5,675.97	5,563.85	112.13	50.621		
13,300.00	6,953.00	6,888.79	6,770.25	216.48	29.21	91.52	915.53	14,451.79	5,577.91	5,464.70	113.21	49.272		
13,400.00	6,953.00	6,888.32	6,769.78	219.09	29.21	91.50	915.53	14,451.79	5,479.91	5,365.58	114.33	47.932		
13,500.00	6,953.00	6,887.85	6,769.31	221.69	29.21	91.47	915.53	14,451.79	5,381.99	5,266.50	115.49	46.602		
13,600.00	6,953.00	6,887.37	6,768.83	224.30	29.21	91.45	915.53	14,451.79	5,284.14	5,167.45	116.70	45.281		
13,700.00	6,953.00	6,886.89	6,768.35	226.92	29.21	91.42	915.53	14,451.80	5,186.38	5,068.43	117.95	43.970		
13,800.00	6,953.00	6,886.40	6,767.87	229.53	29.21	91.40	915.53	14,451.80	5,088.70	4,969.45	119.26	42.670		
13,900.00	6,953.00	6,885.92	6,767.38	232.15	29.21	91.37	915.53	14,451.80	4,991.12	4,870.51	120.62	41.381		

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-20-01
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-20-01	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		
14,000.00	6,953.00	6,885.43	6,766.89	234.77	29.20	91.35	915.53	14,451.80	4,893.63	4,771.60	122.03	40.102		
14,100.00	6,953.00	6,884.93	6,766.39	237.39	29.20	91.32	915.53	14,451.81	4,796.25	4,672.75	123.50	38.835		
14,200.00	6,953.00	6,884.44	6,765.90	240.01	29.20	91.30	915.53	14,451.81	4,698.98	4,573.94	125.04	37.580		
14,300.00	6,953.00	6,883.94	6,765.40	242.64	29.20	91.27	915.53	14,451.81	4,601.82	4,475.18	126.64	36.337		
14,400.00	6,953.00	6,883.43	6,764.89	245.27	29.20	91.24	915.53	14,451.82	4,504.79	4,376.47	128.31	35.107		
14,500.00	6,953.00	6,882.92	6,764.39	247.90	29.20	91.22	915.54	14,451.82	4,407.89	4,277.83	130.06	33.890		
14,600.00	6,953.00	6,882.41	6,763.88	250.53	29.20	91.19	915.54	14,451.82	4,311.13	4,179.24	131.89	32.687		
14,700.00	6,953.00	6,881.90	6,763.36	253.16	29.20	91.16	915.54	14,451.83	4,214.53	4,080.72	133.81	31.497		
14,800.00	6,953.00	6,881.38	6,762.85	255.80	29.19	91.14	915.54	14,451.83	4,118.08	3,982.27	135.81	30.322		
14,900.00	6,953.00	6,880.86	6,762.32	258.43	29.19	91.11	915.54	14,451.83	4,021.81	3,883.90	137.91	29.162		
15,000.00	6,953.00	6,880.34	6,761.80	261.07	29.19	91.08	915.54	14,451.83	3,925.73	3,785.61	140.12	28.017		
15,100.00	6,953.00	6,879.81	6,761.27	263.71	29.19	91.06	915.54	14,451.84	3,829.84	3,687.41	142.43	26.888		
15,200.00	6,953.00	6,879.28	6,760.74	266.36	29.19	91.03	915.54	14,451.84	3,734.17	3,589.30	144.87	25.776		
15,300.00	6,953.00	6,878.74	6,760.20	269.00	29.19	91.00	915.54	14,451.84	3,638.74	3,491.31	147.43	24.681		
15,400.00	6,953.00	6,878.20	6,759.67	271.65	29.19	90.97	915.54	14,451.85	3,543.55	3,393.42	150.13	23.603		
15,500.00	6,953.00	6,877.66	6,759.12	274.29	29.18	90.94	915.54	14,451.85	3,448.64	3,295.67	152.98	22.544		
15,600.00	6,953.00	6,877.11	6,758.58	276.94	29.18	90.91	915.54	14,451.85	3,354.03	3,198.05	155.98	21.503		
15,700.00	6,953.00	6,876.56	6,758.03	279.59	29.18	90.89	915.54	14,451.86	3,259.73	3,100.58	159.15	20.482		
15,800.00	6,953.00	6,876.01	6,757.47	282.24	29.18	90.86	915.55	14,451.86	3,165.79	3,003.28	162.51	19.481		
15,900.00	6,953.00	6,875.45	6,756.91	284.90	29.18	90.83	915.55	14,451.86	3,072.23	2,906.16	166.07	18.500		
16,000.00	6,953.00	6,874.89	6,756.35	287.55	29.18	90.80	915.55	14,451.87	2,979.08	2,809.25	169.83	17.541		
16,100.00	6,953.00	6,874.32	6,755.79	290.20	29.18	90.77	915.55	14,451.87	2,886.40	2,712.56	173.83	16.604		
16,200.00	6,953.00	6,873.75	6,755.22	292.86	29.17	90.74	915.55	14,451.87	2,794.22	2,616.13	178.08	15.691		
16,300.00	6,953.00	6,873.18	6,754.64	295.52	29.17	90.71	915.55	14,451.88	2,702.59	2,519.99	182.60	14.800		
16,400.00	6,953.00	6,872.60	6,754.06	298.18	29.17	90.68	915.55	14,451.88	2,611.58	2,424.17	187.42	13.935		
16,500.00	6,953.00	6,872.02	6,753.48	300.84	29.17	90.65	915.55	14,451.89	2,521.25	2,328.71	192.55	13.094		
16,600.00	6,953.00	6,871.43	6,752.89	303.50	29.17	90.62	915.55	14,451.89	2,431.68	2,233.66	198.02	12.280		
16,700.00	6,953.00	6,870.84	6,752.30	306.16	29.17	90.59	915.55	14,451.89	2,342.95	2,139.08	203.87	11.493		
16,800.00	6,953.00	6,870.25	6,751.71	308.82	29.17	90.56	915.55	14,451.90	2,255.17	2,045.05	210.11	10.733		
16,900.00	6,953.00	6,869.65	6,751.11	311.49	29.16	90.53	915.55	14,451.90	2,168.44	1,951.64	216.80	10.002		
17,000.00	6,953.00	6,869.04	6,750.51	314.15	29.16	90.49	915.56	14,451.90	2,082.92	1,858.96	223.94	9.301		
17,100.00	6,953.00	6,868.44	6,749.90	316.82	29.16	90.46	915.56	14,451.91	1,998.71	1,767.12	231.59	8.630		
17,200.00	6,953.00	6,867.82	6,749.28	319.48	29.16	90.43	915.56	14,451.91	1,916.03	1,676.26	239.77	7.991		
17,300.00	6,953.00	6,867.21	6,748.67	322.15	29.16	90.40	915.56	14,451.92	1,835.08	1,586.58	248.50	7.385		
17,400.00	6,953.00	6,866.58	6,748.05	324.82	29.16	90.37	915.56	14,451.92	1,756.10	1,498.28	257.81	6.811		
17,500.00	6,953.00	6,865.96	6,747.42	327.49	29.15	90.33	915.56	14,451.92	1,679.35	1,411.63	267.72	6.273		
17,600.00	6,953.00	6,865.33	6,746.79	330.16	29.15	90.30	915.56	14,451.93	1,605.17	1,326.96	278.21	5.770		
17,700.00	6,953.00	6,864.69	6,746.15	332.83	29.15	90.27	915.56	14,451.93	1,533.92	1,244.67	289.25	5.303		
17,800.00	6,953.00	6,864.05	6,745.51	335.50	29.15	90.23	915.56	14,451.94	1,466.03	1,165.24	300.79	4.874		
17,900.00	6,953.00	6,863.40	6,744.87	338.17	29.15	90.20	915.56	14,451.94	1,402.00	1,089.29	312.71	4.483		
18,000.00	6,953.00	6,862.75	6,744.22	340.85	29.15	90.17	915.57	14,451.94	1,342.36	1,017.52	324.85	4.132		
18,100.00	6,953.00	6,862.10	6,743.56	343.52	29.14	90.13	915.57	14,451.95	1,287.74	950.79	336.96	3.822		
18,200.00	6,953.00	6,861.44	6,742.90	346.19	29.14	90.10	915.57	14,451.95	1,238.80	890.09	348.71	3.552		
18,300.00	6,953.00	6,860.77	6,742.23	348.87	29.14	90.06	915.57	14,451.96	1,196.23	836.52	359.71	3.326		
18,400.00	6,953.00	6,860.10	6,741.56	351.55	29.14	90.03	915.57	14,451.96	1,160.73	791.26	369.48	3.142		
18,500.00	6,953.00	6,859.42	6,740.89	354.22	29.14	89.99	915.57	14,451.97	1,132.98	755.49	377.49	3.001		
18,600.00	6,953.00	6,858.80	6,740.26	356.90	29.14	89.96	915.57	14,451.97	1,113.54	730.28	383.26	2.905		
18,700.00	6,953.00	6,858.08	6,739.54	359.58	29.13	89.92	915.57	14,451.98	1,102.87	716.48	386.39	2.854		
18,768.33	6,953.00	6,857.62	6,739.08	361.41	29.13	89.90	915.57	14,451.98	1,100.75	713.88	386.87	2.845 CC, ES, SF		
18,800.00	6,953.00	6,857.41	6,738.87	362.26	29.13	89.89	915.58	14,451.98	1,101.20	714.58	386.62	2.848		
18,900.00	6,953.00	6,856.74	6,738.20	364.94	29.13	89.85	915.58	14,451.99	1,108.60	724.67	383.93	2.888		
19,000.00	6,953.00	6,856.07	6,737.53	367.62	29.13	89.82	915.58	14,451.99	1,124.86	746.39	378.47	2.972		

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-20-01
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-20-01	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	
19,073.74	6,953.00	6,855.58	6,737.04	369.59	29.13	89.79	915.58	14,451.99	1,142.33	769.45	372.88	3.064	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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 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		
7,400.00	6,129.11	5,907.11	5,907.11	82.86	118.42	33.98	1,492.98	13,613.04	10,110.99	9,945.08	165.91	60.942		
7,500.00	6,208.09	5,986.09	5,986.09	84.16	120.01	34.16	1,492.98	13,613.04	10,056.90	9,888.52	168.38	59.729		
7,600.00	6,287.08	6,065.08	6,065.08	85.46	121.60	34.35	1,492.98	13,613.04	10,002.89	9,832.04	170.84	58.550		
7,700.00	6,366.07	6,144.07	6,144.07	86.76	123.19	34.53	1,492.98	13,613.04	9,948.96	9,775.64	173.32	57.402		
7,800.00	6,445.06	6,223.06	6,223.06	88.06	124.78	34.72	1,492.98	13,613.04	9,895.12	9,719.32	175.80	56.285		
7,900.00	6,524.05	6,302.05	6,302.05	89.36	126.37	34.91	1,492.98	13,613.04	9,841.37	9,663.08	178.29	55.198		
8,000.00	6,603.03	6,381.03	6,381.03	90.66	127.95	35.10	1,492.98	13,613.04	9,787.71	9,606.92	180.79	54.138		
8,100.00	6,682.02	6,460.02	6,460.02	91.96	129.54	35.30	1,492.98	13,613.04	9,734.14	9,550.85	183.30	53.106		
8,133.44	6,708.44	6,486.44	6,486.44	92.40	130.07	35.36	1,492.98	13,613.04	9,716.25	9,532.11	184.13	52.767		
8,150.00	6,721.39	6,499.39	6,499.39	92.62	130.33	34.35	1,492.98	13,613.04	9,707.19	9,522.64	184.55	52.600		
8,200.00	6,758.90	6,536.90	6,536.90	93.34	131.09	31.82	1,492.98	13,613.04	9,677.48	9,491.72	185.76	52.096		
8,250.00	6,793.76	6,571.76	6,571.76	94.13	131.79	29.95	1,492.98	13,613.04	9,644.41	9,457.49	186.92	51.597		
8,300.00	6,825.72	6,603.72	6,603.72	95.00	132.43	28.62	1,492.98	13,613.04	9,608.22	9,420.22	188.00	51.108		
8,350.00	6,854.52	6,632.52	6,632.52	95.93	133.01	27.79	1,492.98	13,613.04	9,569.19	9,380.20	188.99	50.633		
8,400.00	6,879.97	6,657.97	6,657.97	96.92	133.52	27.43	1,492.98	13,613.04	9,527.60	9,337.71	189.89	50.174		
8,450.00	6,901.84	6,679.84	6,679.84	97.95	133.96	27.61	1,492.98	13,613.04	9,483.78	9,293.10	190.68	49.736		
8,500.00	6,920.00	6,698.00	6,698.00	99.02	134.33	28.49	1,492.98	13,613.04	9,438.05	9,246.69	191.36	49.322		
8,550.00	6,934.28	6,712.28	6,712.28	100.12	134.62	30.48	1,492.98	13,613.04	9,390.75	9,198.84	191.91	48.933		
8,600.00	6,944.59	6,722.59	6,722.59	101.22	134.82	34.76	1,492.98	13,613.04	9,342.25	9,149.92	192.34	48.573		
8,650.00	6,950.84	6,728.84	6,728.84	102.33	134.95	45.65	1,492.98	13,613.04	9,292.91	9,100.28	192.63	48.243		
8,701.16	6,953.00	6,731.00	6,731.00	103.44	134.99	90.00	1,492.98	13,613.04	9,241.94	9,049.15	192.79	47.939		
8,800.00	6,953.00	6,731.00	6,731.00	105.59	134.99	90.00	1,492.98	13,613.04	9,143.26	8,950.30	192.96	47.385		
8,900.00	6,953.00	6,731.00	6,731.00	107.79	134.99	90.00	1,492.98	13,613.04	9,043.43	8,850.29	193.14	46.824		
9,000.00	6,953.00	6,731.00	6,731.00	110.02	134.99	90.00	1,492.98	13,613.04	8,943.60	8,750.28	193.32	46.264		
9,100.00	6,953.00	6,731.00	6,731.00	112.26	134.99	90.00	1,492.98	13,613.04	8,843.78	8,650.27	193.50	45.704		
9,200.00	6,953.00	6,731.00	6,731.00	114.52	134.99	90.00	1,492.98	13,613.04	8,743.95	8,550.26	193.69	45.144		
9,300.00	6,953.00	6,731.00	6,731.00	116.80	134.99	90.00	1,492.98	13,613.04	8,644.14	8,450.25	193.89	44.584		
9,400.00	6,953.00	6,731.00	6,731.00	119.10	134.99	90.00	1,492.98	13,613.04	8,544.32	8,350.24	194.08	44.024		
9,500.00	6,953.00	6,731.00	6,731.00	121.42	134.99	90.00	1,492.98	13,613.04	8,444.51	8,250.23	194.29	43.464		
9,600.00	6,953.00	6,731.00	6,731.00	123.75	134.99	90.00	1,492.98	13,613.04	8,344.71	8,150.21	194.50	42.904		
9,700.00	6,953.00	6,731.00	6,731.00	126.10	134.99	90.00	1,492.98	13,613.04	8,244.91	8,050.20	194.71	42.344		
9,800.00	6,953.00	6,731.00	6,731.00	128.46	134.99	90.00	1,492.98	13,613.04	8,145.12	7,950.19	194.93	41.785		
9,900.00	6,953.00	6,731.00	6,731.00	130.84	134.99	90.00	1,492.98	13,613.04	8,045.33	7,850.17	195.16	41.225		
10,000.00	6,953.00	6,731.00	6,731.00	133.23	134.99	90.00	1,492.98	13,613.04	7,945.54	7,750.16	195.39	40.666		
10,100.00	6,953.00	6,731.00	6,731.00	135.63	134.99	90.00	1,492.98	13,613.04	7,845.76	7,650.14	195.62	40.106		
10,200.00	6,953.00	6,731.00	6,731.00	138.04	134.99	90.00	1,492.98	13,613.04	7,745.99	7,550.12	195.87	39.547		
10,300.00	6,953.00	6,731.00	6,731.00	140.46	134.99	90.00	1,492.98	13,613.04	7,646.22	7,450.11	196.12	38.988		
10,400.00	6,953.00	6,731.00	6,731.00	142.90	134.99	90.00	1,492.98	13,613.04	7,546.46	7,350.09	196.37	38.429		
10,500.00	6,953.00	6,731.00	6,731.00	145.34	134.99	90.00	1,492.98	13,613.04	7,446.71	7,250.07	196.64	37.871		
10,600.00	6,953.00	6,731.00	6,731.00	147.80	134.99	90.00	1,492.98	13,613.04	7,346.96	7,150.06	196.91	37.312		
10,700.00	6,953.00	6,731.00	6,731.00	150.26	134.99	90.00	1,492.98	13,613.04	7,247.22	7,050.04	197.18	36.754		
10,800.00	6,953.00	6,731.00	6,731.00	152.73	134.99	90.00	1,492.98	13,613.04	7,147.49	6,950.02	197.47	36.195		
10,900.00	6,953.00	6,731.00	6,731.00	155.21	134.99	90.00	1,492.98	13,613.04	7,047.76	6,850.00	197.76	35.637		
11,000.00	6,953.00	6,731.00	6,731.00	157.70	134.99	90.00	1,492.98	13,613.04	6,948.04	6,749.98	198.07	35.079		
11,100.00	6,953.00	6,731.00	6,731.00	160.20	134.99	90.00	1,492.98	13,613.04	6,848.33	6,649.95	198.38	34.521		
11,200.00	6,953.00	6,731.00	6,731.00	162.70	134.99	90.00	1,492.98	13,613.04	6,748.63	6,549.93	198.70	33.964		
11,300.00	6,953.00	6,731.00	6,731.00	165.21	134.99	90.00	1,492.98	13,613.04	6,648.94	6,449.91	199.03	33.406		
11,400.00	6,953.00	6,731.00	6,731.00	167.73	134.99	90.00	1,492.98	13,613.04	6,549.26	6,349.88	199.37	32.849		
11,500.00	6,953.00	6,731.00	6,731.00	170.25	134.99	90.00	1,492.98	13,613.04	6,449.58	6,249.86	199.72	32.292		
11,600.00	6,953.00	6,731.00	6,731.00	172.78	134.99	90.00	1,492.98	13,613.04	6,349.92	6,149.83	200.09	31.736		
11,700.00	6,953.00	6,731.00	6,731.00	175.31	134.99	90.00	1,492.98	13,613.04	6,250.27	6,049.81	200.46	31.179		
11,800.00	6,953.00	6,731.00	6,731.00	177.85	134.99	90.00	1,492.98	13,613.04	6,150.63	5,949.78	200.85	30.623		

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-20-01
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-20-01	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		
11,900.00	6,953.00	6,731.00	6,731.00	180.40	134.99	90.00	1,492.98	13,613.04	6,051.00	5,849.75	201.25	30.067		
12,000.00	6,953.00	6,731.00	6,731.00	182.95	134.99	90.00	1,492.98	13,613.04	5,951.38	5,749.72	201.66	29.511		
12,100.00	6,953.00	6,731.00	6,731.00	185.50	134.99	90.00	1,492.98	13,613.04	5,851.78	5,649.69	202.09	28.956		
12,200.00	6,953.00	6,731.00	6,731.00	188.06	134.99	90.00	1,492.98	13,613.04	5,752.19	5,549.65	202.54	28.401		
12,300.00	6,953.00	6,731.00	6,731.00	190.63	134.99	90.00	1,492.98	13,613.04	5,652.61	5,449.62	203.00	27.846		
12,400.00	6,953.00	6,731.00	6,731.00	193.20	134.99	90.00	1,492.98	13,613.04	5,553.06	5,349.58	203.47	27.291		
12,500.00	6,953.00	6,731.00	6,731.00	195.77	134.99	90.00	1,492.98	13,613.04	5,453.51	5,249.55	203.97	26.737		
12,600.00	6,953.00	6,731.00	6,731.00	198.35	134.99	90.00	1,492.98	13,613.04	5,353.98	5,149.51	204.48	26.184		
12,700.00	6,953.00	6,731.00	6,731.00	200.93	134.99	90.00	1,492.98	13,613.04	5,254.48	5,049.46	205.01	25.630		
12,800.00	6,953.00	6,731.00	6,731.00	203.51	134.99	90.00	1,492.98	13,613.04	5,154.99	4,949.42	205.56	25.077		
12,900.00	6,953.00	6,731.00	6,731.00	206.10	134.99	90.00	1,492.98	13,613.04	5,055.52	4,849.38	206.14	24.525		
13,000.00	6,953.00	6,731.00	6,731.00	208.69	134.99	90.00	1,492.98	13,613.04	4,956.07	4,749.33	206.74	23.972		
13,100.00	6,953.00	6,731.00	6,731.00	211.29	134.99	90.00	1,492.98	13,613.04	4,856.64	4,649.28	207.37	23.421		
13,200.00	6,953.00	6,731.00	6,731.00	213.88	134.99	90.00	1,492.98	13,613.04	4,757.24	4,549.22	208.02	22.870		
13,300.00	6,953.00	6,731.00	6,731.00	216.48	134.99	90.00	1,492.98	13,613.04	4,657.87	4,449.17	208.70	22.319		
13,400.00	6,953.00	6,731.00	6,731.00	219.09	134.99	90.00	1,492.98	13,613.04	4,558.52	4,349.11	209.41	21.769		
13,500.00	6,953.00	6,731.00	6,731.00	221.69	134.99	90.00	1,492.98	13,613.04	4,459.20	4,249.05	210.15	21.219		
13,600.00	6,953.00	6,731.00	6,731.00	224.30	134.99	90.00	1,492.98	13,613.04	4,359.91	4,148.98	210.93	20.670		
13,700.00	6,953.00	6,731.00	6,731.00	226.92	134.99	90.00	1,492.98	13,613.04	4,260.65	4,048.91	211.74	20.122		
13,800.00	6,953.00	6,731.00	6,731.00	229.53	134.99	90.00	1,492.98	13,613.04	4,161.43	3,948.84	212.60	19.574		
13,900.00	6,953.00	6,731.00	6,731.00	232.15	134.99	90.00	1,492.98	13,613.04	4,062.25	3,848.76	213.50	19.027		
14,000.00	6,953.00	6,731.00	6,731.00	234.77	134.99	90.00	1,492.98	13,613.04	3,963.11	3,748.67	214.44	18.481		
14,100.00	6,953.00	6,731.00	6,731.00	237.39	134.99	90.00	1,492.98	13,613.04	3,864.02	3,648.58	215.44	17.936		
14,200.00	6,953.00	6,731.00	6,731.00	240.01	134.99	90.00	1,492.98	13,613.04	3,764.97	3,548.48	216.49	17.391		
14,300.00	6,953.00	6,731.00	6,731.00	242.64	134.99	90.00	1,492.98	13,613.04	3,665.97	3,448.38	217.59	16.848		
14,400.00	6,953.00	6,731.00	6,731.00	245.27	134.99	90.00	1,492.98	13,613.04	3,567.03	3,348.27	218.76	16.305		
14,500.00	6,953.00	6,731.00	6,731.00	247.90	134.99	90.00	1,492.98	13,613.04	3,468.16	3,248.15	220.00	15.764		
14,600.00	6,953.00	6,731.00	6,731.00	250.53	134.99	90.00	1,492.98	13,613.04	3,369.34	3,148.02	221.32	15.224		
14,700.00	6,953.00	6,731.00	6,731.00	253.16	134.99	90.00	1,492.98	13,613.04	3,270.60	3,047.89	222.71	14.685		
14,800.00	6,953.00	6,731.00	6,731.00	255.80	134.99	90.00	1,492.98	13,613.04	3,171.94	2,947.74	224.20	14.148		
14,900.00	6,953.00	6,731.00	6,731.00	258.43	134.99	90.00	1,492.98	13,613.04	3,073.36	2,847.58	225.78	13.612		
15,000.00	6,953.00	6,731.00	6,731.00	261.07	134.99	90.00	1,492.98	13,613.04	2,974.88	2,747.41	227.47	13.078		
15,100.00	6,953.00	6,731.00	6,731.00	263.71	134.99	90.00	1,492.98	13,613.04	2,876.51	2,647.23	229.28	12.546		
15,200.00	6,953.00	6,731.00	6,731.00	266.36	134.99	90.00	1,492.98	13,613.04	2,778.25	2,547.03	231.22	12.015		
15,300.00	6,953.00	6,731.00	6,731.00	269.00	134.99	90.00	1,492.98	13,613.04	2,680.12	2,446.81	233.31	11.487		
15,400.00	6,953.00	6,731.00	6,731.00	271.65	134.99	90.00	1,492.98	13,613.04	2,582.13	2,346.57	235.56	10.962		
15,500.00	6,953.00	6,731.00	6,731.00	274.29	134.99	90.00	1,492.98	13,613.04	2,484.30	2,246.32	237.98	10.439		
15,600.00	6,953.00	6,731.00	6,731.00	276.94	134.99	90.00	1,492.98	13,613.04	2,386.65	2,146.04	240.61	9.919		
15,700.00	6,953.00	6,731.00	6,731.00	279.59	134.99	90.00	1,492.98	13,613.04	2,289.21	2,045.74	243.47	9.403		
15,800.00	6,953.00	6,731.00	6,731.00	282.24	134.99	90.00	1,492.98	13,613.04	2,192.00	1,945.42	246.58	8.890		
15,900.00	6,953.00	6,731.00	6,731.00	284.90	134.99	90.00	1,492.98	13,613.04	2,095.05	1,845.07	249.98	8.381		
16,000.00	6,953.00	6,731.00	6,731.00	287.55	134.99	90.00	1,492.98	13,613.04	1,998.40	1,744.69	253.70	7.877		
16,100.00	6,953.00	6,731.00	6,731.00	290.20	134.99	90.00	1,492.98	13,613.04	1,902.09	1,644.28	257.81	7.378		
16,200.00	6,953.00	6,731.00	6,731.00	292.86	134.99	90.00	1,492.98	13,613.04	1,806.19	1,543.85	262.34	6.885		
16,300.00	6,953.00	6,731.00	6,731.00	295.52	134.99	90.00	1,492.98	13,613.04	1,710.75	1,443.39	267.36	6.399		
16,400.00	6,953.00	6,731.00	6,731.00	298.18	134.99	90.00	1,492.98	13,613.04	1,615.87	1,342.91	272.96	5.920		
16,500.00	6,953.00	6,731.00	6,731.00	300.84	134.99	90.00	1,492.98	13,613.04	1,521.65	1,242.42	279.23	5.449		
16,600.00	6,953.00	6,731.00	6,731.00	303.50	134.99	90.00	1,492.98	13,613.04	1,428.21	1,141.94	286.27	4.989		
16,700.00	6,953.00	6,731.00	6,731.00	306.16	134.99	90.00	1,492.98	13,613.04	1,335.72	1,041.50	294.22	4.540		
16,800.00	6,953.00	6,731.00	6,731.00	308.82	134.99	90.00	1,492.98	13,613.04	1,244.39	941.15	303.24	4.104		
16,900.00	6,953.00	6,731.00	6,731.00	311.49	134.99	90.00	1,492.98	13,613.04	1,154.50	840.98	313.52	3.682		
17,000.00	6,953.00	6,731.00	6,731.00	314.15	134.99	90.00	1,492.98	13,613.04	1,066.42	741.15	325.26	3.279		

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-20-01
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-20-01	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		
17,100.00	6,953.00	6,731.00	6,731.00	316.82	134.99	90.00	1,492.98	13,613.04	980.62	641.90	338.71	2.895		
17,200.00	6,953.00	6,731.00	6,731.00	319.48	134.99	90.00	1,492.98	13,613.04	897.76	543.66	354.10	2.535		
17,300.00	6,953.00	6,731.00	6,731.00	322.15	134.99	90.00	1,492.98	13,613.04	818.74	447.16	371.59	2.203		
17,400.00	6,953.00	6,731.00	6,731.00	324.82	134.99	90.00	1,492.98	13,613.04	744.78	353.62	391.16	1.904		
17,500.00	6,953.00	6,731.00	6,731.00	327.49	134.99	90.00	1,492.98	13,613.04	677.55	265.15	412.39	1.643		
17,600.00	6,953.00	6,731.00	6,731.00	330.16	134.99	90.00	1,492.98	13,613.04	619.22	185.14	434.08	1.427	Level 3	
17,700.00	6,953.00	6,731.00	6,731.00	332.83	134.99	90.00	1,492.98	13,613.04	572.54	118.72	453.82	1.262	Level 3	
17,800.00	6,953.00	6,731.00	6,731.00	335.50	134.99	90.00	1,492.98	13,613.04	540.52	72.57	467.95	1.155	Level 2	
17,900.00	6,953.00	6,731.00	6,731.00	338.17	134.99	90.00	1,492.98	13,613.04	525.86	53.31	472.55	1.113	Level 2, ES, SF	
17,928.17	6,953.00	6,731.00	6,731.00	338.93	134.99	90.00	1,492.98	13,613.04	525.11	53.36	471.75	1.113	Level 2, CC	
18,000.00	6,953.00	6,731.00	6,731.00	340.85	134.99	90.00	1,492.98	13,613.04	530.00	64.53	465.47	1.139	Level 2	
18,100.00	6,953.00	6,731.00	6,731.00	343.52	134.99	90.00	1,492.98	13,613.04	552.51	104.57	447.94	1.233	Level 2	
18,200.00	6,953.00	6,731.00	6,731.00	346.19	134.99	90.00	1,492.98	13,613.04	591.29	167.48	423.81	1.395	Level 3	
18,300.00	6,953.00	6,731.00	6,731.00	348.87	134.99	90.00	1,492.98	13,613.04	643.42	246.13	397.30	1.620		
18,400.00	6,953.00	6,731.00	6,731.00	351.55	134.99	90.00	1,492.98	13,613.04	705.95	334.54	371.41	1.901		
18,500.00	6,953.00	6,731.00	6,731.00	354.22	134.99	90.00	1,492.98	13,613.04	776.35	428.63	347.72	2.233		
18,600.00	6,953.00	6,731.00	6,731.00	356.90	134.99	90.00	1,492.98	13,613.04	852.70	525.90	326.80	2.609		
18,700.00	6,953.00	6,731.00	6,731.00	359.58	134.99	90.00	1,492.98	13,613.04	933.52	624.89	308.63	3.025		
18,800.00	6,953.00	6,731.00	6,731.00	362.26	134.99	90.00	1,492.98	13,613.04	1,017.75	724.78	292.98	3.474		
18,900.00	6,953.00	6,731.00	6,731.00	364.94	134.99	90.00	1,492.98	13,613.04	1,104.62	825.11	279.51	3.952		
19,000.00	6,953.00	6,731.00	6,731.00	367.62	134.99	90.00	1,492.98	13,613.04	1,193.55	925.63	267.92	4.455		
19,073.74	6,953.00	6,731.00	6,731.00	369.59	134.99	90.00	1,492.98	13,613.04	1,260.19	999.79	260.39	4.840		

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-20-01
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-20-01	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		
8,450.00	6,901.84	6,678.84	6,678.84	97.95	23.74	18.00	2,236.47	14,208.27	10,066.66	9,990.89	75.78	132.845		
8,500.00	6,920.00	6,697.00	6,697.00	99.02	23.80	16.67	2,236.47	14,208.27	10,020.39	9,944.33	76.06	131.743		
8,550.00	6,934.28	6,711.28	6,711.28	100.12	23.86	15.03	2,236.47	14,208.27	9,972.65	9,896.37	76.28	130.736		
8,600.00	6,944.59	6,721.59	6,721.59	101.22	23.89	12.33	2,236.47	14,208.27	9,923.80	9,847.37	76.44	129.833		
8,650.00	6,950.84	6,727.84	6,727.84	102.33	23.91	4.85	2,236.47	14,208.27	9,874.22	9,797.70	76.52	129.037		
8,701.16	6,953.00	6,730.00	6,730.00	103.44	23.92	-90.00	2,236.47	14,208.27	9,823.12	9,746.58	76.54	128.339		
8,800.00	6,953.00	6,730.00	6,730.00	105.59	23.92	-90.00	2,236.47	14,208.27	9,724.31	9,647.80	76.51	127.104		
8,900.00	6,953.00	6,730.00	6,730.00	107.79	23.92	-90.00	2,236.47	14,208.27	9,624.34	9,547.86	76.47	125.855		
9,000.00	6,953.00	6,730.00	6,730.00	110.02	23.92	-90.00	2,236.47	14,208.27	9,524.36	9,447.93	76.44	124.606		
9,100.00	6,953.00	6,730.00	6,730.00	112.26	23.92	-90.00	2,236.47	14,208.27	9,424.39	9,347.99	76.40	123.357		
9,200.00	6,953.00	6,730.00	6,730.00	114.52	23.92	-90.00	2,236.47	14,208.27	9,324.42	9,248.05	76.36	122.107		
9,300.00	6,953.00	6,730.00	6,730.00	116.80	23.92	-90.00	2,236.47	14,208.27	9,224.44	9,148.12	76.32	120.858		
9,400.00	6,953.00	6,730.00	6,730.00	119.10	23.92	-90.00	2,236.47	14,208.27	9,124.47	9,048.19	76.29	119.609		
9,500.00	6,953.00	6,730.00	6,730.00	121.42	23.92	-90.00	2,236.47	14,208.27	9,024.50	8,948.26	76.25	118.359		
9,600.00	6,953.00	6,730.00	6,730.00	123.75	23.92	-90.00	2,236.47	14,208.27	8,924.53	8,848.33	76.21	117.110		
9,700.00	6,953.00	6,730.00	6,730.00	126.10	23.92	-90.00	2,236.47	14,208.27	8,824.56	8,748.40	76.17	115.861		
9,800.00	6,953.00	6,730.00	6,730.00	128.46	23.92	-90.00	2,236.47	14,208.27	8,724.59	8,648.47	76.12	114.611		
9,900.00	6,953.00	6,730.00	6,730.00	130.84	23.92	-90.00	2,236.47	14,208.27	8,624.63	8,548.55	76.08	113.362		
10,000.00	6,953.00	6,730.00	6,730.00	133.23	23.92	-90.00	2,236.47	14,208.27	8,524.66	8,448.62	76.04	112.113		
10,100.00	6,953.00	6,730.00	6,730.00	135.63	23.92	-90.00	2,236.47	14,208.27	8,424.69	8,348.70	75.99	110.864		
10,200.00	6,953.00	6,730.00	6,730.00	138.04	23.92	-90.00	2,236.47	14,208.27	8,324.73	8,248.78	75.95	109.615		
10,300.00	6,953.00	6,730.00	6,730.00	140.46	23.92	-90.00	2,236.47	14,208.27	8,224.76	8,148.86	75.90	108.366		
10,400.00	6,953.00	6,730.00	6,730.00	142.90	23.92	-90.00	2,236.47	14,208.27	8,124.80	8,048.95	75.85	107.117		
10,500.00	6,953.00	6,730.00	6,730.00	145.34	23.92	-90.00	2,236.47	14,208.27	8,024.84	7,949.04	75.80	105.869		
10,600.00	6,953.00	6,730.00	6,730.00	147.80	23.92	-90.00	2,236.47	14,208.27	7,924.87	7,849.12	75.75	104.620		
10,700.00	6,953.00	6,730.00	6,730.00	150.26	23.92	-90.00	2,236.47	14,208.27	7,824.91	7,749.22	75.70	103.372		
10,800.00	6,953.00	6,730.00	6,730.00	152.73	23.92	-90.00	2,236.47	14,208.27	7,724.95	7,649.31	75.64	102.124		
10,900.00	6,953.00	6,730.00	6,730.00	155.21	23.92	-90.00	2,236.47	14,208.27	7,624.99	7,549.41	75.59	100.876		
11,000.00	6,953.00	6,730.00	6,730.00	157.70	23.92	-90.00	2,236.47	14,208.27	7,525.04	7,449.50	75.53	99.629		
11,100.00	6,953.00	6,730.00	6,730.00	160.20	23.92	-90.00	2,236.47	14,208.27	7,425.08	7,349.61	75.47	98.382		
11,200.00	6,953.00	6,730.00	6,730.00	162.70	23.92	-90.00	2,236.47	14,208.27	7,325.12	7,249.71	75.41	97.135		
11,300.00	6,953.00	6,730.00	6,730.00	165.21	23.92	-90.00	2,236.47	14,208.27	7,225.17	7,149.82	75.35	95.888		
11,400.00	6,953.00	6,730.00	6,730.00	167.73	23.92	-90.00	2,236.47	14,208.27	7,125.22	7,049.93	75.29	94.641		
11,500.00	6,953.00	6,730.00	6,730.00	170.25	23.92	-90.00	2,236.47	14,208.27	7,025.26	6,950.04	75.22	93.395		
11,600.00	6,953.00	6,730.00	6,730.00	172.78	23.92	-90.00	2,236.47	14,208.27	6,925.31	6,850.16	75.15	92.150		
11,700.00	6,953.00	6,730.00	6,730.00	175.31	23.92	-90.00	2,236.47	14,208.27	6,825.36	6,750.28	75.08	90.904		
11,800.00	6,953.00	6,730.00	6,730.00	177.85	23.92	-90.00	2,236.47	14,208.27	6,725.42	6,650.41	75.01	89.659		
11,900.00	6,953.00	6,730.00	6,730.00	180.40	23.92	-90.00	2,236.47	14,208.27	6,625.47	6,550.53	74.94	88.414		
12,000.00	6,953.00	6,730.00	6,730.00	182.95	23.92	-90.00	2,236.47	14,208.27	6,525.53	6,450.67	74.86	87.170		
12,100.00	6,953.00	6,730.00	6,730.00	185.50	23.92	-90.00	2,236.47	14,208.27	6,425.58	6,350.80	74.78	85.926		
12,200.00	6,953.00	6,730.00	6,730.00	188.06	23.92	-90.00	2,236.47	14,208.27	6,325.64	6,250.95	74.70	84.682		
12,300.00	6,953.00	6,730.00	6,730.00	190.63	23.92	-90.00	2,236.47	14,208.27	6,225.71	6,151.09	74.61	83.439		
12,400.00	6,953.00	6,730.00	6,730.00	193.20	23.92	-90.00	2,236.47	14,208.27	6,125.77	6,051.24	74.53	82.197		
12,500.00	6,953.00	6,730.00	6,730.00	195.77	23.92	-90.00	2,236.47	14,208.27	6,025.83	5,951.40	74.44	80.954		
12,600.00	6,953.00	6,730.00	6,730.00	198.35	23.92	-90.00	2,236.47	14,208.27	5,925.90	5,851.56	74.34	79.712		
12,700.00	6,953.00	6,730.00	6,730.00	200.93	23.92	-90.00	2,236.47	14,208.27	5,825.97	5,751.73	74.24	78.471		
12,800.00	6,953.00	6,730.00	6,730.00	203.51	23.92	-90.00	2,236.47	14,208.27	5,726.04	5,651.90	74.14	77.230		
12,900.00	6,953.00	6,730.00	6,730.00	206.10	23.92	-90.00	2,236.47	14,208.27	5,626.12	5,552.08	74.04	75.989		
13,000.00	6,953.00	6,730.00	6,730.00	208.69	23.92	-90.00	2,236.47	14,208.27	5,526.20	5,452.27	73.93	74.749		
13,100.00	6,953.00	6,730.00	6,730.00	211.29	23.92	-90.00	2,236.47	14,208.27	5,426.28	5,352.46	73.82	73.509		
13,200.00	6,953.00	6,730.00	6,730.00	213.88	23.92	-90.00	2,236.47	14,208.27	5,326.36	5,252.66	73.70	72.269		
13,300.00	6,953.00	6,730.00	6,730.00	216.48	23.92	-90.00	2,236.47	14,208.27	5,226.45	5,152.87	73.58	71.030		

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-20-01
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-20-01	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	6,953.00	6,730.00	6,730.00	219.09	23.92	-90.00	2,236.47	14,208.27	5,126.54	5,053.08	73.45	69.792		
13,500.00	6,953.00	6,730.00	6,730.00	221.69	23.92	-90.00	2,236.47	14,208.27	5,026.63	4,953.31	73.32	68.553		
13,600.00	6,953.00	6,730.00	6,730.00	224.30	23.92	-90.00	2,236.47	14,208.27	4,926.73	4,853.54	73.19	67.315		
13,700.00	6,953.00	6,730.00	6,730.00	226.92	23.92	-90.00	2,236.47	14,208.27	4,826.83	4,753.78	73.05	66.077		
13,800.00	6,953.00	6,730.00	6,730.00	229.53	23.92	-90.00	2,236.47	14,208.27	4,726.94	4,654.03	72.90	64.840		
13,900.00	6,953.00	6,730.00	6,730.00	232.15	23.92	-90.00	2,236.47	14,208.27	4,627.05	4,554.30	72.75	63.603		
14,000.00	6,953.00	6,730.00	6,730.00	234.77	23.92	-90.00	2,236.47	14,208.27	4,527.16	4,454.57	72.59	62.365		
14,100.00	6,953.00	6,730.00	6,730.00	237.39	23.92	-90.00	2,236.47	14,208.27	4,427.28	4,354.85	72.43	61.128		
14,200.00	6,953.00	6,730.00	6,730.00	240.01	23.92	-90.00	2,236.47	14,208.27	4,327.41	4,255.15	72.25	59.891		
14,300.00	6,953.00	6,730.00	6,730.00	242.64	23.92	-90.00	2,236.47	14,208.27	4,227.54	4,155.46	72.08	58.654		
14,400.00	6,953.00	6,730.00	6,730.00	245.27	23.92	-90.00	2,236.47	14,208.27	4,127.68	4,055.79	71.89	57.417		
14,500.00	6,953.00	6,730.00	6,730.00	247.90	23.92	-90.00	2,236.47	14,208.27	4,027.82	3,956.13	71.70	56.179		
14,600.00	6,953.00	6,730.00	6,730.00	250.53	23.92	-90.00	2,236.47	14,208.27	3,927.98	3,856.48	71.50	54.941		
14,700.00	6,953.00	6,730.00	6,730.00	253.16	23.92	-90.00	2,236.47	14,208.27	3,828.14	3,756.85	71.29	53.702		
14,800.00	6,953.00	6,730.00	6,730.00	255.80	23.92	-90.00	2,236.47	14,208.27	3,728.30	3,657.24	71.07	52.462		
14,900.00	6,953.00	6,730.00	6,730.00	258.43	23.92	-90.00	2,236.47	14,208.27	3,628.48	3,557.64	70.84	51.221		
15,000.00	6,953.00	6,730.00	6,730.00	261.07	23.92	-90.00	2,236.47	14,208.27	3,528.67	3,458.07	70.60	49.979		
15,100.00	6,953.00	6,730.00	6,730.00	263.71	23.92	-90.00	2,236.47	14,208.27	3,428.87	3,358.51	70.36	48.734		
15,200.00	6,953.00	6,730.00	6,730.00	266.36	23.92	-90.00	2,236.47	14,208.27	3,329.08	3,258.98	70.10	47.488		
15,300.00	6,953.00	6,730.00	6,730.00	269.00	23.92	-90.00	2,236.47	14,208.27	3,229.31	3,159.47	69.84	46.239		
15,400.00	6,953.00	6,730.00	6,730.00	271.65	23.92	-90.00	2,236.47	14,208.27	3,129.55	3,059.98	69.57	44.987		
15,500.00	6,953.00	6,730.00	6,730.00	274.29	23.92	-90.00	2,236.47	14,208.27	3,029.80	2,960.52	69.28	43.731		
15,600.00	6,953.00	6,730.00	6,730.00	276.94	23.92	-90.00	2,236.47	14,208.27	2,930.07	2,861.08	68.99	42.470		
15,700.00	6,953.00	6,730.00	6,730.00	279.59	23.92	-90.00	2,236.47	14,208.27	2,830.36	2,761.67	68.69	41.203		
15,800.00	6,953.00	6,730.00	6,730.00	282.24	23.92	-90.00	2,236.47	14,208.27	2,730.68	2,662.29	68.39	39.929		
15,900.00	6,953.00	6,730.00	6,730.00	284.90	23.92	-90.00	2,236.47	14,208.27	2,631.01	2,562.93	68.08	38.647		
16,000.00	6,953.00	6,730.00	6,730.00	287.55	23.92	-90.00	2,236.47	14,208.27	2,531.38	2,463.61	67.77	37.354		
16,100.00	6,953.00	6,730.00	6,730.00	290.20	23.92	-90.00	2,236.47	14,208.27	2,431.77	2,364.31	67.46	36.048		
16,200.00	6,953.00	6,730.00	6,730.00	292.86	23.92	-90.00	2,236.47	14,208.27	2,332.19	2,265.04	67.16	34.727		
16,300.00	6,953.00	6,730.00	6,730.00	295.52	23.92	-90.00	2,236.47	14,208.27	2,232.66	2,165.79	66.87	33.387		
16,400.00	6,953.00	6,730.00	6,730.00	298.18	23.92	-90.00	2,236.47	14,208.27	2,133.17	2,066.56	66.61	32.025		
16,500.00	6,953.00	6,730.00	6,730.00	300.84	23.92	-90.00	2,236.47	14,208.27	2,033.72	1,967.34	66.39	30.635		
16,600.00	6,953.00	6,730.00	6,730.00	303.50	23.92	-90.00	2,236.47	14,208.27	1,934.34	1,868.12	66.22	29.212		
16,700.00	6,953.00	6,730.00	6,730.00	306.16	23.92	-90.00	2,236.47	14,208.27	1,835.02	1,768.89	66.13	27.748		
16,800.00	6,953.00	6,730.00	6,730.00	308.82	23.92	-90.00	2,236.47	14,208.27	1,735.78	1,669.62	66.16	26.235		
16,900.00	6,953.00	6,730.00	6,730.00	311.49	23.92	-90.00	2,236.47	14,208.27	1,636.63	1,570.28	66.35	24.665		
17,000.00	6,953.00	6,730.00	6,730.00	314.15	23.92	-90.00	2,236.47	14,208.27	1,537.60	1,470.83	66.77	23.029		
17,100.00	6,953.00	6,730.00	6,730.00	316.82	23.92	-90.00	2,236.47	14,208.27	1,438.69	1,371.20	67.49	21.316		
17,200.00	6,953.00	6,730.00	6,730.00	319.48	23.92	-90.00	2,236.47	14,208.27	1,339.95	1,271.31	68.64	19.522		
17,300.00	6,953.00	6,730.00	6,730.00	322.15	23.92	-90.00	2,236.47	14,208.27	1,241.41	1,171.06	70.36	17.645		
17,400.00	6,953.00	6,730.00	6,730.00	324.82	23.92	-90.00	2,236.47	14,208.27	1,143.13	1,070.28	72.85	15.692		
17,500.00	6,953.00	6,730.00	6,730.00	327.49	23.92	-90.00	2,236.47	14,208.27	1,045.17	968.79	76.37	13.685		
17,600.00	6,953.00	6,730.00	6,730.00	330.16	23.92	-90.00	2,236.47	14,208.27	947.63	866.34	81.29	11.657		
17,700.00	6,953.00	6,730.00	6,730.00	332.83	23.92	-90.00	2,236.47	14,208.27	850.67	762.58	88.09	9.657		
17,800.00	6,953.00	6,730.00	6,730.00	335.50	23.92	-90.00	2,236.47	14,208.27	754.51	657.06	97.45	7.743		
17,900.00	6,953.00	6,730.00	6,730.00	338.17	23.92	-90.00	2,236.47	14,208.27	659.48	549.12	110.35	5.976		
18,000.00	6,953.00	6,730.00	6,730.00	340.85	23.92	-90.00	2,236.47	14,208.27	566.17	437.82	128.34	4.411		
18,100.00	6,953.00	6,730.00	6,730.00	343.52	23.92	-90.00	2,236.47	14,208.27	475.58	321.77	153.81	3.092		
18,200.00	6,953.00	6,730.00	6,730.00	346.19	23.92	-90.00	2,236.47	14,208.27	389.63	199.14	190.49	2.045		
18,300.00	6,953.00	6,730.00	6,730.00	348.87	23.92	-90.00	2,236.47	14,208.27	312.17	69.00	243.16	1.284 Level 3		
18,400.00	6,953.00	6,730.00	6,730.00	351.55	23.92	-90.00	2,236.47	14,208.27	251.16	-60.75	311.91	0.805 Level 1		
18,500.00	6,953.00	6,730.00	6,730.00	354.22	23.92	-90.00	2,236.47	14,208.27	220.72	-149.91	370.63	0.596 Level 1		

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-20-01
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-20-01	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 01-01Jl - 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
18,521.83	6,953.00	6,730.00	6,730.00	354.81	23.92	-90.00	2,236.47	14,208.27	219.64	-157.03	376.67	0.583	Level 1, CC, ES, SF
18,600.00	6,953.00	6,730.00	6,730.00	356.90	23.92	-90.00	2,236.47	14,208.27	233.13	-138.12	371.26	0.628	Level 1
18,700.00	6,953.00	6,730.00	6,730.00	359.58	23.92	-90.00	2,236.47	14,208.27	282.82	-43.94	326.75	0.866	Level 1
18,800.00	6,953.00	6,730.00	6,730.00	362.26	23.92	-90.00	2,236.47	14,208.27	354.43	75.15	279.28	1.269	Level 3
18,900.00	6,953.00	6,730.00	6,730.00	364.94	23.92	-90.00	2,236.47	14,208.27	437.32	194.97	242.35	1.805	
19,000.00	6,953.00	6,730.00	6,730.00	367.62	23.92	-90.00	2,236.47	14,208.27	526.20	310.94	215.26	2.444	
19,073.74	6,953.00	6,730.00	6,730.00	369.59	23.92	-90.00	2,236.47	14,208.27	594.01	394.05	199.96	2.971	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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		
6,000.00	5,023.27	4,790.27	4,790.27	64.68	95.96	26.60	2,244.81	12,798.75	10,099.45	9,970.39	129.07	78.251		
6,100.00	5,102.26	4,869.26	4,869.26	65.97	97.55	26.75	2,244.81	12,798.75	10,042.45	9,911.08	131.37	76.446		
6,200.00	5,181.25	4,948.25	4,948.25	67.27	99.14	26.90	2,244.81	12,798.75	9,985.50	9,851.83	133.67	74.701		
6,300.00	5,260.24	5,027.24	5,027.24	68.57	100.73	27.05	2,244.81	12,798.75	9,928.60	9,792.61	135.98	73.013		
6,400.00	5,339.23	5,106.23	5,106.23	69.87	102.32	27.21	2,244.81	12,798.75	9,871.75	9,733.45	138.30	71.379		
6,500.00	5,418.21	5,185.21	5,185.21	71.17	103.91	27.37	2,244.81	12,798.75	9,814.96	9,674.34	140.62	69.796		
6,600.00	5,497.20	5,264.20	5,264.20	72.47	105.49	27.53	2,244.81	12,798.75	9,758.22	9,615.27	142.95	68.263		
6,700.00	5,576.19	5,343.19	5,343.19	73.77	107.08	27.69	2,244.81	12,798.75	9,701.54	9,556.26	145.28	66.777		
6,800.00	5,655.18	5,422.18	5,422.18	75.07	108.67	27.85	2,244.81	12,798.75	9,644.92	9,497.30	147.62	65.335		
6,900.00	5,734.17	5,501.17	5,501.17	76.37	110.26	28.01	2,244.81	12,798.75	9,588.35	9,438.39	149.97	63.937		
7,000.00	5,813.15	5,580.15	5,580.15	77.67	111.85	28.18	2,244.81	12,798.75	9,531.84	9,379.53	152.32	62.579		
7,100.00	5,892.14	5,659.14	5,659.14	78.97	113.44	28.35	2,244.81	12,798.75	9,475.40	9,320.72	154.67	61.261		
7,200.00	5,971.13	5,738.13	5,738.13	80.27	115.03	28.52	2,244.81	12,798.75	9,419.01	9,261.98	157.03	59.981		
7,300.00	6,050.12	5,817.12	5,817.12	81.57	116.61	28.69	2,244.81	12,798.75	9,362.69	9,203.28	159.40	58.736		
7,400.00	6,129.11	5,896.11	5,896.11	82.86	118.20	28.86	2,244.81	12,798.75	9,306.42	9,144.65	161.78	57.527		
7,500.00	6,208.09	5,975.09	5,975.09	84.16	119.79	29.03	2,244.81	12,798.75	9,250.23	9,086.07	164.16	56.350		
7,600.00	6,287.08	6,054.08	6,054.08	85.46	121.38	29.21	2,244.81	12,798.75	9,194.10	9,027.55	166.54	55.205		
7,700.00	6,366.07	6,133.07	6,133.07	86.76	122.97	29.39	2,244.81	12,798.75	9,138.03	8,969.09	168.94	54.091		
7,800.00	6,445.06	6,212.06	6,212.06	88.06	124.56	29.57	2,244.81	12,798.75	9,082.03	8,910.70	171.34	53.007		
7,900.00	6,524.05	6,291.05	6,291.05	89.36	126.15	29.75	2,244.81	12,798.75	9,026.11	8,852.36	173.74	51.951		
8,000.00	6,603.03	6,370.03	6,370.03	90.66	127.73	29.94	2,244.81	12,798.75	8,970.25	8,794.09	176.16	50.922		
8,100.00	6,682.02	6,449.02	6,449.02	91.96	129.32	30.13	2,244.81	12,798.75	8,914.47	8,735.89	178.58	49.919		
8,133.44	6,708.44	6,475.44	6,475.44	92.40	129.85	30.19	2,244.81	12,798.75	8,895.83	8,716.43	179.39	49.589		
8,150.00	6,721.39	6,488.39	6,488.39	92.62	130.11	29.08	2,244.81	12,798.75	8,886.40	8,706.61	179.79	49.427		
8,200.00	6,758.90	6,525.90	6,525.90	93.34	130.87	26.18	2,244.81	12,798.75	8,855.63	8,674.68	180.96	48.938		
8,250.00	6,793.76	6,560.76	6,560.76	94.13	131.57	23.84	2,244.81	12,798.75	8,821.56	8,639.51	182.05	48.456		
8,300.00	6,825.72	6,592.72	6,592.72	95.00	132.21	21.90	2,244.81	12,798.75	8,784.45	8,601.38	183.07	47.984		
8,350.00	6,854.52	6,621.52	6,621.52	95.93	132.79	20.25	2,244.81	12,798.75	8,744.57	8,560.58	183.99	47.527		
8,400.00	6,879.97	6,646.97	6,646.97	96.92	133.30	18.80	2,244.81	12,798.75	8,702.23	8,517.42	184.81	47.087		
8,450.00	6,901.84	6,668.84	6,668.84	97.95	133.74	17.41	2,244.81	12,798.75	8,657.74	8,472.22	185.52	46.669		
8,500.00	6,920.00	6,687.00	6,687.00	99.02	134.11	15.94	2,244.81	12,798.75	8,611.44	8,425.34	186.10	46.274		
8,550.00	6,934.28	6,701.28	6,701.28	100.12	134.39	14.07	2,244.81	12,798.75	8,563.68	8,377.13	186.55	45.905		
8,600.00	6,944.59	6,711.59	6,711.59	101.22	134.60	10.89	2,244.81	12,798.75	8,514.83	8,327.95	186.88	45.564		
8,650.00	6,950.84	6,717.84	6,717.84	102.33	134.73	1.90	2,244.81	12,798.75	8,465.24	8,278.18	187.06	45.254		
8,701.16	6,953.00	6,720.00	6,720.00	103.44	134.77	-90.00	2,244.81	12,798.75	8,414.14	8,227.04	187.11	44.969		
8,800.00	6,953.00	6,720.00	6,720.00	105.59	134.77	-90.00	2,244.81	12,798.75	8,315.35	8,128.28	187.06	44.452		
8,900.00	6,953.00	6,720.00	6,720.00	107.79	134.77	-90.00	2,244.81	12,798.75	8,215.38	8,028.37	187.01	43.929		
9,000.00	6,953.00	6,720.00	6,720.00	110.02	134.77	-90.00	2,244.81	12,798.75	8,115.42	7,928.46	186.96	43.407		
9,100.00	6,953.00	6,720.00	6,720.00	112.26	134.77	-90.00	2,244.81	12,798.75	8,015.46	7,828.55	186.91	42.884		
9,200.00	6,953.00	6,720.00	6,720.00	114.52	134.77	-90.00	2,244.81	12,798.75	7,915.50	7,728.64	186.86	42.361		
9,300.00	6,953.00	6,720.00	6,720.00	116.80	134.77	-90.00	2,244.81	12,798.75	7,815.54	7,628.74	186.80	41.838		
9,400.00	6,953.00	6,720.00	6,720.00	119.10	134.77	-90.00	2,244.81	12,798.75	7,715.58	7,528.83	186.75	41.315		
9,500.00	6,953.00	6,720.00	6,720.00	121.42	134.77	-90.00	2,244.81	12,798.75	7,615.62	7,428.93	186.69	40.792		
9,600.00	6,953.00	6,720.00	6,720.00	123.75	134.77	-90.00	2,244.81	12,798.75	7,515.67	7,329.03	186.63	40.269		
9,700.00	6,953.00	6,720.00	6,720.00	126.10	134.77	-90.00	2,244.81	12,798.75	7,415.71	7,229.14	186.57	39.747		
9,800.00	6,953.00	6,720.00	6,720.00	128.46	134.77	-90.00	2,244.81	12,798.75	7,315.76	7,129.25	186.51	39.224		
9,900.00	6,953.00	6,720.00	6,720.00	130.84	134.77	-90.00	2,244.81	12,798.75	7,215.81	7,029.36	186.45	38.701		
10,000.00	6,953.00	6,720.00	6,720.00	133.23	134.77	-90.00	2,244.81	12,798.75	7,115.86	6,929.47	186.39	38.178		
10,100.00	6,953.00	6,720.00	6,720.00	135.63	134.77	-90.00	2,244.81	12,798.75	7,015.91	6,829.59	186.32	37.655		
10,200.00	6,953.00	6,720.00	6,720.00	138.04	134.77	-90.00	2,244.81	12,798.75	6,915.96	6,729.71	186.25	37.133		
10,300.00	6,953.00	6,720.00	6,720.00	140.46	134.77	-90.00	2,244.81	12,798.75	6,816.02	6,629.84	186.18	36.610		
10,400.00	6,953.00	6,720.00	6,720.00	142.90	134.77	-90.00	2,244.81	12,798.75	6,716.07	6,529.96	186.11	36.087		

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-20-01
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-20-01	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	6,953.00	6,720.00	6,720.00	145.34	134.77	-90.00	2,244.81	12,798.75	6,616.13	6,430.10	186.03	35.565		
10,600.00	6,953.00	6,720.00	6,720.00	147.80	134.77	-90.00	2,244.81	12,798.75	6,516.19	6,330.23	185.95	35.042		
10,700.00	6,953.00	6,720.00	6,720.00	150.26	134.77	-90.00	2,244.81	12,798.75	6,416.25	6,230.37	185.87	34.519		
10,800.00	6,953.00	6,720.00	6,720.00	152.73	134.77	-90.00	2,244.81	12,798.75	6,316.31	6,130.52	185.79	33.997		
10,900.00	6,953.00	6,720.00	6,720.00	155.21	134.77	-90.00	2,244.81	12,798.75	6,216.37	6,030.67	185.71	33.474		
11,000.00	6,953.00	6,720.00	6,720.00	157.70	134.77	-90.00	2,244.81	12,798.75	6,116.44	5,930.82	185.62	32.952		
11,100.00	6,953.00	6,720.00	6,720.00	160.20	134.77	-90.00	2,244.81	12,798.75	6,016.51	5,830.98	185.53	32.429		
11,200.00	6,953.00	6,720.00	6,720.00	162.70	134.77	-90.00	2,244.81	12,798.75	5,916.58	5,731.15	185.43	31.907		
11,300.00	6,953.00	6,720.00	6,720.00	165.21	134.77	-90.00	2,244.81	12,798.75	5,816.65	5,631.32	185.33	31.385		
11,400.00	6,953.00	6,720.00	6,720.00	167.73	134.77	-90.00	2,244.81	12,798.75	5,716.73	5,531.50	185.23	30.862		
11,500.00	6,953.00	6,720.00	6,720.00	170.25	134.77	-90.00	2,244.81	12,798.75	5,616.81	5,431.68	185.13	30.340		
11,600.00	6,953.00	6,720.00	6,720.00	172.78	134.77	-90.00	2,244.81	12,798.75	5,516.89	5,331.87	185.02	29.818		
11,700.00	6,953.00	6,720.00	6,720.00	175.31	134.77	-90.00	2,244.81	12,798.75	5,416.98	5,232.07	184.91	29.296		
11,800.00	6,953.00	6,720.00	6,720.00	177.85	134.77	-90.00	2,244.81	12,798.75	5,317.06	5,132.27	184.79	28.773		
11,900.00	6,953.00	6,720.00	6,720.00	180.40	134.77	-90.00	2,244.81	12,798.75	5,217.15	5,032.48	184.67	28.251		
12,000.00	6,953.00	6,720.00	6,720.00	182.95	134.77	-90.00	2,244.81	12,798.75	5,117.25	4,932.70	184.54	27.729		
12,100.00	6,953.00	6,720.00	6,720.00	185.50	134.77	-90.00	2,244.81	12,798.75	5,017.35	4,832.93	184.41	27.207		
12,200.00	6,953.00	6,720.00	6,720.00	188.06	134.77	-90.00	2,244.81	12,798.75	4,917.45	4,733.17	184.28	26.685		
12,300.00	6,953.00	6,720.00	6,720.00	190.63	134.77	-90.00	2,244.81	12,798.75	4,817.56	4,633.42	184.14	26.163		
12,400.00	6,953.00	6,720.00	6,720.00	193.20	134.77	-90.00	2,244.81	12,798.75	4,717.67	4,533.68	183.99	25.641		
12,500.00	6,953.00	6,720.00	6,720.00	195.77	134.77	-90.00	2,244.81	12,798.75	4,617.79	4,433.95	183.84	25.119		
12,600.00	6,953.00	6,720.00	6,720.00	198.35	134.77	-90.00	2,244.81	12,798.75	4,517.91	4,334.23	183.68	24.597		
12,700.00	6,953.00	6,720.00	6,720.00	200.93	134.77	-90.00	2,244.81	12,798.75	4,418.03	4,234.52	183.51	24.075		
12,800.00	6,953.00	6,720.00	6,720.00	203.51	134.77	-90.00	2,244.81	12,798.75	4,318.17	4,134.83	183.34	23.553		
12,900.00	6,953.00	6,720.00	6,720.00	206.10	134.77	-90.00	2,244.81	12,798.75	4,218.31	4,035.15	183.16	23.031		
13,000.00	6,953.00	6,720.00	6,720.00	208.69	134.77	-90.00	2,244.81	12,798.75	4,118.45	3,935.48	182.97	22.509		
13,100.00	6,953.00	6,720.00	6,720.00	211.29	134.77	-90.00	2,244.81	12,798.75	4,018.60	3,835.83	182.78	21.987		
13,200.00	6,953.00	6,720.00	6,720.00	213.88	134.77	-90.00	2,244.81	12,798.75	3,918.77	3,736.19	182.57	21.464		
13,300.00	6,953.00	6,720.00	6,720.00	216.48	134.77	-90.00	2,244.81	12,798.75	3,818.93	3,636.58	182.36	20.942		
13,400.00	6,953.00	6,720.00	6,720.00	219.09	134.77	-90.00	2,244.81	12,798.75	3,719.11	3,536.98	182.13	20.420		
13,500.00	6,953.00	6,720.00	6,720.00	221.69	134.77	-90.00	2,244.81	12,798.75	3,619.30	3,437.40	181.90	19.897		
13,600.00	6,953.00	6,720.00	6,720.00	224.30	134.77	-90.00	2,244.81	12,798.75	3,519.50	3,337.84	181.66	19.374		
13,700.00	6,953.00	6,720.00	6,720.00	226.92	134.77	-90.00	2,244.81	12,798.75	3,419.71	3,238.31	181.40	18.851		
13,800.00	6,953.00	6,720.00	6,720.00	229.53	134.77	-90.00	2,244.81	12,798.75	3,319.93	3,138.79	181.14	18.328		
13,900.00	6,953.00	6,720.00	6,720.00	232.15	134.77	-90.00	2,244.81	12,798.75	3,220.17	3,039.31	180.86	17.805		
14,000.00	6,953.00	6,720.00	6,720.00	234.77	134.77	-90.00	2,244.81	12,798.75	3,120.42	2,939.85	180.57	17.281		
14,100.00	6,953.00	6,720.00	6,720.00	237.39	134.77	-90.00	2,244.81	12,798.75	3,020.69	2,840.42	180.27	16.756		
14,200.00	6,953.00	6,720.00	6,720.00	240.01	134.77	-90.00	2,244.81	12,798.75	2,920.98	2,741.02	179.96	16.231		
14,300.00	6,953.00	6,720.00	6,720.00	242.64	134.77	-90.00	2,244.81	12,798.75	2,821.29	2,641.65	179.64	15.705		
14,400.00	6,953.00	6,720.00	6,720.00	245.27	134.77	-90.00	2,244.81	12,798.75	2,721.62	2,542.32	179.30	15.179		
14,500.00	6,953.00	6,720.00	6,720.00	247.90	134.77	-90.00	2,244.81	12,798.75	2,621.97	2,443.02	178.95	14.652		
14,600.00	6,953.00	6,720.00	6,720.00	250.53	134.77	-90.00	2,244.81	12,798.75	2,522.36	2,343.76	178.60	14.123		
14,700.00	6,953.00	6,720.00	6,720.00	253.16	134.77	-90.00	2,244.81	12,798.75	2,422.77	2,244.53	178.24	13.593		
14,800.00	6,953.00	6,720.00	6,720.00	255.80	134.77	-90.00	2,244.81	12,798.75	2,323.22	2,145.35	177.87	13.061		
14,900.00	6,953.00	6,720.00	6,720.00	258.43	134.77	-90.00	2,244.81	12,798.75	2,223.71	2,046.21	177.50	12.528		
15,000.00	6,953.00	6,720.00	6,720.00	261.07	134.77	-90.00	2,244.81	12,798.75	2,124.25	1,947.10	177.15	11.991		
15,100.00	6,953.00	6,720.00	6,720.00	263.71	134.77	-90.00	2,244.81	12,798.75	2,024.84	1,848.03	176.81	11.452		
15,200.00	6,953.00	6,720.00	6,720.00	266.36	134.77	-90.00	2,244.81	12,798.75	1,925.49	1,748.99	176.50	10.909		
15,300.00	6,953.00	6,720.00	6,720.00	269.00	134.77	-90.00	2,244.81	12,798.75	1,826.21	1,649.98	176.24	10.362		
15,400.00	6,953.00	6,720.00	6,720.00	271.65	134.77	-90.00	2,244.81	12,798.75	1,727.02	1,550.96	176.06	9.809		
15,500.00	6,953.00	6,720.00	6,720.00	274.29	134.77	-90.00	2,244.81	12,798.75	1,627.92	1,451.93	175.99	9.250		
15,600.00	6,953.00	6,720.00	6,720.00	276.94	134.77	-90.00	2,244.81	12,798.75	1,528.95	1,352.85	176.10	8.682		

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-20-01
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-20-01	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	6,953.00	6,720.00	6,720.00	279.59	134.77	-90.00	2,244.81	12,798.75	1,430.11	1,253.67	176.44	8.105	
15,800.00	6,953.00	6,720.00	6,720.00	282.24	134.77	-90.00	2,244.81	12,798.75	1,331.45	1,154.31	177.14	7.516	
15,900.00	6,953.00	6,720.00	6,720.00	284.90	134.77	-90.00	2,244.81	12,798.75	1,233.00	1,054.69	178.32	6.915	
16,000.00	6,953.00	6,720.00	6,720.00	287.55	134.77	-90.00	2,244.81	12,798.75	1,134.83	954.65	180.18	6.298	
16,100.00	6,953.00	6,720.00	6,720.00	290.20	134.77	-90.00	2,244.81	12,798.75	1,037.00	854.03	182.98	5.667	
16,200.00	6,953.00	6,720.00	6,720.00	292.86	134.77	-90.00	2,244.81	12,798.75	939.64	752.57	187.07	5.023	
16,300.00	6,953.00	6,720.00	6,720.00	295.52	134.77	-90.00	2,244.81	12,798.75	842.89	649.97	192.92	4.369	
16,400.00	6,953.00	6,720.00	6,720.00	298.18	134.77	-90.00	2,244.81	12,798.75	746.99	545.79	201.20	3.713	
16,500.00	6,953.00	6,720.00	6,720.00	300.84	134.77	-90.00	2,244.81	12,798.75	652.33	439.46	212.87	3.064	
16,600.00	6,953.00	6,720.00	6,720.00	303.50	134.77	-90.00	2,244.81	12,798.75	559.53	330.17	229.37	2.439	
16,700.00	6,953.00	6,720.00	6,720.00	306.16	134.77	-90.00	2,244.81	12,798.75	469.70	216.75	252.95	1.857	
16,800.00	6,953.00	6,720.00	6,720.00	308.82	134.77	-90.00	2,244.81	12,798.75	384.91	97.88	287.03	1.341	Level 3
16,900.00	6,953.00	6,720.00	6,720.00	311.49	134.77	-90.00	2,244.81	12,798.75	309.35	-26.32	335.67	0.922	Level 1
17,000.00	6,953.00	6,720.00	6,720.00	314.15	134.77	-90.00	2,244.81	12,798.75	251.47	-146.01	397.48	0.633	Level 1
17,100.00	6,953.00	6,720.00	6,720.00	316.82	134.77	-90.00	2,244.81	12,798.75	225.34	-221.38	446.72	0.504	Level 1
17,112.30	6,953.00	6,720.00	6,720.00	317.14	134.77	-90.00	2,244.81	12,798.75	225.01	-224.58	449.59	0.500	Level 1, CC, ES, SF
17,200.00	6,953.00	6,720.00	6,720.00	319.48	134.77	-90.00	2,244.81	12,798.75	241.49	-202.99	444.48	0.543	Level 1
17,300.00	6,953.00	6,720.00	6,720.00	322.15	134.77	-90.00	2,244.81	12,798.75	293.02	-113.10	406.12	0.722	Level 1
17,400.00	6,953.00	6,720.00	6,720.00	324.82	134.77	-90.00	2,244.81	12,798.75	365.24	-0.65	365.89	0.998	Level 1
17,500.00	6,953.00	6,720.00	6,720.00	327.49	134.77	-90.00	2,244.81	12,798.75	448.26	113.88	334.38	1.341	Level 3
17,600.00	6,953.00	6,720.00	6,720.00	330.16	134.77	-90.00	2,244.81	12,798.75	537.10	226.06	311.04	1.727	
17,700.00	6,953.00	6,720.00	6,720.00	332.83	134.77	-90.00	2,244.81	12,798.75	629.30	335.64	293.66	2.143	
17,800.00	6,953.00	6,720.00	6,720.00	335.50	134.77	-90.00	2,244.81	12,798.75	723.57	443.13	280.44	2.580	
17,900.00	6,953.00	6,720.00	6,720.00	338.17	134.77	-90.00	2,244.81	12,798.75	819.21	549.06	270.15	3.032	
18,000.00	6,953.00	6,720.00	6,720.00	340.85	134.77	-90.00	2,244.81	12,798.75	915.77	653.81	261.97	3.496	
18,100.00	6,953.00	6,720.00	6,720.00	343.52	134.77	-90.00	2,244.81	12,798.75	1,013.00	757.67	255.33	3.967	
18,200.00	6,953.00	6,720.00	6,720.00	346.19	134.77	-90.00	2,244.81	12,798.75	1,110.73	860.87	249.86	4.445	
18,300.00	6,953.00	6,720.00	6,720.00	348.87	134.77	-90.00	2,244.81	12,798.75	1,208.83	963.54	245.29	4.928	
18,400.00	6,953.00	6,720.00	6,720.00	351.55	134.77	-90.00	2,244.81	12,798.75	1,307.21	1,065.80	241.41	5.415	
18,500.00	6,953.00	6,720.00	6,720.00	354.22	134.77	-90.00	2,244.81	12,798.75	1,405.82	1,167.72	238.10	5.904	
18,600.00	6,953.00	6,720.00	6,720.00	356.90	134.77	-90.00	2,244.81	12,798.75	1,504.62	1,269.39	235.23	6.396	
18,700.00	6,953.00	6,720.00	6,720.00	359.58	134.77	-90.00	2,244.81	12,798.75	1,603.56	1,370.83	232.74	6.890	
18,800.00	6,953.00	6,720.00	6,720.00	362.26	134.77	-90.00	2,244.81	12,798.75	1,702.63	1,472.09	230.54	7.385	
18,900.00	6,953.00	6,720.00	6,720.00	364.94	134.77	-90.00	2,244.81	12,798.75	1,801.80	1,573.20	228.60	7.882	
19,000.00	6,953.00	6,720.00	6,720.00	367.62	134.77	-90.00	2,244.81	12,798.75	1,901.06	1,674.19	226.88	8.379	
19,073.74	6,953.00	6,720.00	6,720.00	369.59	134.77	-90.00	2,244.81	12,798.75	1,974.31	1,748.58	225.72	8.747	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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	6,934.28	6,750.28	6,750.28	100.12	135.38	54.54	-455.69	14,129.81	10,199.92	9,995.33	204.59	49.855		
8,600.00	6,944.59	6,760.59	6,760.59	101.22	135.59	62.17	-455.69	14,129.81	10,153.48	9,948.21	205.27	49.465		
8,650.00	6,950.84	6,766.84	6,766.84	102.33	135.71	73.48	-455.69	14,129.81	10,105.96	9,900.15	205.82	49.102		
8,701.16	6,953.00	6,769.00	6,769.00	103.44	135.76	90.00	-455.69	14,129.81	10,056.61	9,850.36	206.24	48.761		
8,800.00	6,953.00	6,769.00	6,769.00	105.59	135.76	90.00	-455.69	14,129.81	9,960.84	9,753.89	206.95	48.132		
8,900.00	6,953.00	6,769.00	6,769.00	107.79	135.76	90.00	-455.69	14,129.81	9,864.00	9,656.32	207.68	47.496		
9,000.00	6,953.00	6,769.00	6,769.00	110.02	135.76	90.00	-455.69	14,129.81	9,767.22	9,558.80	208.43	46.862		
9,100.00	6,953.00	6,769.00	6,769.00	112.26	135.76	90.00	-455.69	14,129.81	9,670.51	9,461.32	209.19	46.228		
9,200.00	6,953.00	6,769.00	6,769.00	114.52	135.76	90.00	-455.69	14,129.81	9,573.87	9,363.90	209.97	45.596		
9,300.00	6,953.00	6,769.00	6,769.00	116.80	135.76	90.00	-455.69	14,129.81	9,477.30	9,266.53	210.77	44.964		
9,400.00	6,953.00	6,769.00	6,769.00	119.10	135.76	90.00	-455.69	14,129.81	9,380.80	9,169.21	211.60	44.334		
9,500.00	6,953.00	6,769.00	6,769.00	121.42	135.76	90.00	-455.69	14,129.81	9,284.37	9,071.94	212.44	43.704		
9,600.00	6,953.00	6,769.00	6,769.00	123.75	135.76	90.00	-455.69	14,129.81	9,188.02	8,974.73	213.30	43.076		
9,700.00	6,953.00	6,769.00	6,769.00	126.10	135.76	90.00	-455.69	14,129.81	9,091.75	8,877.58	214.18	42.450		
9,800.00	6,953.00	6,769.00	6,769.00	128.46	135.76	90.00	-455.69	14,129.81	8,995.56	8,780.48	215.08	41.824		
9,900.00	6,953.00	6,769.00	6,769.00	130.84	135.76	90.00	-455.69	14,129.81	8,899.46	8,683.45	216.01	41.200		
10,000.00	6,953.00	6,769.00	6,769.00	133.23	135.76	90.00	-455.69	14,129.81	8,803.44	8,586.49	216.95	40.577		
10,100.00	6,953.00	6,769.00	6,769.00	135.63	135.76	90.00	-455.69	14,129.81	8,707.51	8,489.58	217.93	39.956		
10,200.00	6,953.00	6,769.00	6,769.00	138.04	135.76	90.00	-455.69	14,129.81	8,611.67	8,392.75	218.92	39.337		
10,300.00	6,953.00	6,769.00	6,769.00	140.46	135.76	90.00	-455.69	14,129.81	8,515.93	8,295.99	219.94	38.719		
10,400.00	6,953.00	6,769.00	6,769.00	142.90	135.76	90.00	-455.69	14,129.81	8,420.29	8,199.30	220.99	38.103		
10,500.00	6,953.00	6,769.00	6,769.00	145.34	135.76	90.00	-455.69	14,129.81	8,324.75	8,102.69	222.06	37.488		
10,600.00	6,953.00	6,769.00	6,769.00	147.80	135.76	90.00	-455.69	14,129.81	8,229.32	8,006.16	223.16	36.876		
10,700.00	6,953.00	6,769.00	6,769.00	150.26	135.76	90.00	-455.69	14,129.81	8,134.00	7,909.70	224.29	36.265		
10,800.00	6,953.00	6,769.00	6,769.00	152.73	135.76	90.00	-455.69	14,129.81	8,038.79	7,813.34	225.45	35.656		
10,900.00	6,953.00	6,769.00	6,769.00	155.21	135.76	90.00	-455.69	14,129.81	7,943.69	7,717.05	226.64	35.050		
11,000.00	6,953.00	6,769.00	6,769.00	157.70	135.76	90.00	-455.69	14,129.81	7,848.72	7,620.87	227.86	34.446		
11,100.00	6,953.00	6,769.00	6,769.00	160.20	135.76	90.00	-455.69	14,129.81	7,753.88	7,524.77	229.11	33.843		
11,200.00	6,953.00	6,769.00	6,769.00	162.70	135.76	90.00	-455.69	14,129.81	7,659.17	7,428.77	230.39	33.244		
11,300.00	6,953.00	6,769.00	6,769.00	165.21	135.76	90.00	-455.69	14,129.81	7,564.59	7,332.88	231.71	32.646		
11,400.00	6,953.00	6,769.00	6,769.00	167.73	135.76	90.00	-455.69	14,129.81	7,470.16	7,237.09	233.07	32.052		
11,500.00	6,953.00	6,769.00	6,769.00	170.25	135.76	90.00	-455.69	14,129.81	7,375.87	7,141.41	234.46	31.459		
11,600.00	6,953.00	6,769.00	6,769.00	172.78	135.76	90.00	-455.69	14,129.81	7,281.73	7,045.85	235.89	30.870		
11,700.00	6,953.00	6,769.00	6,769.00	175.31	135.76	90.00	-455.69	14,129.81	7,187.75	6,950.40	237.35	30.283		
11,800.00	6,953.00	6,769.00	6,769.00	177.85	135.76	90.00	-455.69	14,129.81	7,093.94	6,855.08	238.86	29.699		
11,900.00	6,953.00	6,769.00	6,769.00	180.40	135.76	90.00	-455.69	14,129.81	7,000.30	6,759.89	240.41	29.118		
12,000.00	6,953.00	6,769.00	6,769.00	182.95	135.76	90.00	-455.69	14,129.81	6,906.84	6,664.83	242.00	28.540		
12,100.00	6,953.00	6,769.00	6,769.00	185.50	135.76	90.00	-455.69	14,129.81	6,813.56	6,569.92	243.64	27.965		
12,200.00	6,953.00	6,769.00	6,769.00	188.06	135.76	90.00	-455.69	14,129.81	6,720.47	6,475.15	245.33	27.394		
12,300.00	6,953.00	6,769.00	6,769.00	190.63	135.76	90.00	-455.69	14,129.81	6,627.59	6,380.53	247.06	26.826		
12,400.00	6,953.00	6,769.00	6,769.00	193.20	135.76	90.00	-455.69	14,129.81	6,534.92	6,286.08	248.84	26.261		
12,500.00	6,953.00	6,769.00	6,769.00	195.77	135.76	90.00	-455.69	14,129.81	6,442.46	6,191.79	250.67	25.700		
12,600.00	6,953.00	6,769.00	6,769.00	198.35	135.76	90.00	-455.69	14,129.81	6,350.24	6,097.68	252.56	25.143		
12,700.00	6,953.00	6,769.00	6,769.00	200.93	135.76	90.00	-455.69	14,129.81	6,258.25	6,003.75	254.50	24.590		
12,800.00	6,953.00	6,769.00	6,769.00	203.51	135.76	90.00	-455.69	14,129.81	6,166.52	5,910.01	256.51	24.041		
12,900.00	6,953.00	6,769.00	6,769.00	206.10	135.76	90.00	-455.69	14,129.81	6,075.04	5,816.47	258.56	23.495		
13,000.00	6,953.00	6,769.00	6,769.00	208.69	135.76	90.00	-455.69	14,129.81	5,983.84	5,723.15	260.69	22.954		
13,100.00	6,953.00	6,769.00	6,769.00	211.29	135.76	90.00	-455.69	14,129.81	5,892.92	5,630.05	262.87	22.417		
13,200.00	6,953.00	6,769.00	6,769.00	213.88	135.76	90.00	-455.69	14,129.81	5,802.30	5,537.18	265.12	21.885		
13,300.00	6,953.00	6,769.00	6,769.00	216.48	135.76	90.00	-455.69	14,129.81	5,711.99	5,444.55	267.44	21.358		
13,400.00	6,953.00	6,769.00	6,769.00	219.09	135.76	90.00	-455.69	14,129.81	5,622.02	5,352.18	269.84	20.835		
13,500.00	6,953.00	6,769.00	6,769.00	221.69	135.76	90.00	-455.69	14,129.81	5,532.38	5,260.08	272.30	20.317		

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-20-01
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-20-01	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		
13,600.00	6,953.00	6,769.00	6,769.00	224.30	135.76	90.00	-455.69	14,129.81	5,443.11	5,168.26	274.85	19.804		
13,700.00	6,953.00	6,769.00	6,769.00	226.92	135.76	90.00	-455.69	14,129.81	5,354.22	5,076.75	277.47	19.297		
13,800.00	6,953.00	6,769.00	6,769.00	229.53	135.76	90.00	-455.69	14,129.81	5,265.72	4,985.55	280.17	18.794		
13,900.00	6,953.00	6,769.00	6,769.00	232.15	135.76	90.00	-455.69	14,129.81	5,177.65	4,894.68	282.96	18.298		
14,000.00	6,953.00	6,769.00	6,769.00	234.77	135.76	90.00	-455.69	14,129.81	5,090.01	4,804.17	285.84	17.807		
14,100.00	6,953.00	6,769.00	6,769.00	237.39	135.76	90.00	-455.69	14,129.81	5,002.84	4,714.02	288.82	17.322		
14,200.00	6,953.00	6,769.00	6,769.00	240.01	135.76	90.00	-455.69	14,129.81	4,916.16	4,624.27	291.88	16.843		
14,300.00	6,953.00	6,769.00	6,769.00	242.64	135.76	90.00	-455.69	14,129.81	4,829.99	4,534.94	295.05	16.370		
14,400.00	6,953.00	6,769.00	6,769.00	245.27	135.76	90.00	-455.69	14,129.81	4,744.36	4,446.05	298.31	15.904		
14,500.00	6,953.00	6,769.00	6,769.00	247.90	135.76	90.00	-455.69	14,129.81	4,659.31	4,357.62	301.69	15.444		
14,600.00	6,953.00	6,769.00	6,769.00	250.53	135.76	90.00	-455.69	14,129.81	4,574.86	4,269.69	305.17	14.991		
14,700.00	6,953.00	6,769.00	6,769.00	253.16	135.76	90.00	-455.69	14,129.81	4,491.05	4,182.29	308.76	14.545		
14,800.00	6,953.00	6,769.00	6,769.00	255.80	135.76	90.00	-455.69	14,129.81	4,407.92	4,095.45	312.47	14.107		
14,900.00	6,953.00	6,769.00	6,769.00	258.43	135.76	90.00	-455.69	14,129.81	4,325.50	4,009.20	316.29	13.676		
15,000.00	6,953.00	6,769.00	6,769.00	261.07	135.76	90.00	-455.69	14,129.81	4,243.83	3,923.59	320.24	13.252		
15,100.00	6,953.00	6,769.00	6,769.00	263.71	135.76	90.00	-455.69	14,129.81	4,162.97	3,838.65	324.31	12.836		
15,200.00	6,953.00	6,769.00	6,769.00	266.36	135.76	90.00	-455.69	14,129.81	4,082.95	3,754.44	328.51	12.429		
15,300.00	6,953.00	6,769.00	6,769.00	269.00	135.76	90.00	-455.69	14,129.81	4,003.83	3,670.99	332.84	12.029		
15,400.00	6,953.00	6,769.00	6,769.00	271.65	135.76	90.00	-455.69	14,129.81	3,925.67	3,588.36	337.31	11.638		
15,500.00	6,953.00	6,769.00	6,769.00	274.29	135.76	90.00	-455.69	14,129.81	3,848.51	3,506.61	341.90	11.256		
15,600.00	6,953.00	6,769.00	6,769.00	276.94	135.76	90.00	-455.69	14,129.81	3,772.43	3,425.80	346.63	10.883		
15,700.00	6,953.00	6,769.00	6,769.00	279.59	135.76	90.00	-455.69	14,129.81	3,697.49	3,345.99	351.50	10.519		
15,800.00	6,953.00	6,769.00	6,769.00	282.24	135.76	90.00	-455.69	14,129.81	3,623.76	3,267.26	356.50	10.165		
15,900.00	6,953.00	6,769.00	6,769.00	284.90	135.76	90.00	-455.69	14,129.81	3,551.31	3,189.68	361.63	9.820		
16,000.00	6,953.00	6,769.00	6,769.00	287.55	135.76	90.00	-455.69	14,129.81	3,480.23	3,113.34	366.89	9.486		
16,100.00	6,953.00	6,769.00	6,769.00	290.20	135.76	90.00	-455.69	14,129.81	3,410.60	3,038.32	372.28	9.161		
16,200.00	6,953.00	6,769.00	6,769.00	292.86	135.76	90.00	-455.69	14,129.81	3,342.51	2,964.72	377.79	8.848		
16,300.00	6,953.00	6,769.00	6,769.00	295.52	135.76	90.00	-455.69	14,129.81	3,276.06	2,892.65	383.41	8.544		
16,400.00	6,953.00	6,769.00	6,769.00	298.18	135.76	90.00	-455.69	14,129.81	3,211.35	2,822.21	389.14	8.252		
16,500.00	6,953.00	6,769.00	6,769.00	300.84	135.76	90.00	-455.69	14,129.81	3,148.49	2,753.53	394.95	7.972		
16,600.00	6,953.00	6,769.00	6,769.00	303.50	135.76	90.00	-455.69	14,129.81	3,087.58	2,686.74	400.85	7.703		
16,700.00	6,953.00	6,769.00	6,769.00	306.16	135.76	90.00	-455.69	14,129.81	3,028.76	2,621.96	406.80	7.445		
16,800.00	6,953.00	6,769.00	6,769.00	308.82	135.76	90.00	-455.69	14,129.81	2,972.13	2,559.34	412.79	7.200		
16,900.00	6,953.00	6,769.00	6,769.00	311.49	135.76	90.00	-455.69	14,129.81	2,917.83	2,499.04	418.79	6.967		
17,000.00	6,953.00	6,769.00	6,769.00	314.15	135.76	90.00	-455.69	14,129.81	2,866.00	2,441.21	424.79	6.747		
17,100.00	6,953.00	6,769.00	6,769.00	316.82	135.76	90.00	-455.69	14,129.81	2,816.76	2,386.02	430.74	6.539		
17,200.00	6,953.00	6,769.00	6,769.00	319.48	135.76	90.00	-455.69	14,129.81	2,770.25	2,333.64	436.61	6.345		
17,300.00	6,953.00	6,769.00	6,769.00	322.15	135.76	90.00	-455.69	14,129.81	2,726.63	2,284.26	442.37	6.164		
17,400.00	6,953.00	6,769.00	6,769.00	324.82	135.76	90.00	-455.69	14,129.81	2,686.02	2,238.04	447.97	5.996		
17,500.00	6,953.00	6,769.00	6,769.00	327.49	135.76	90.00	-455.69	14,129.81	2,648.56	2,195.18	453.38	5.842		
17,600.00	6,953.00	6,769.00	6,769.00	330.16	135.76	90.00	-455.69	14,129.81	2,614.40	2,155.85	458.55	5.701		
17,700.00	6,953.00	6,769.00	6,769.00	332.83	135.76	90.00	-455.69	14,129.81	2,583.65	2,120.23	463.42	5.575		
17,800.00	6,953.00	6,769.00	6,769.00	335.50	135.76	90.00	-455.69	14,129.81	2,556.45	2,088.49	467.96	5.463		
17,900.00	6,953.00	6,769.00	6,769.00	338.17	135.76	90.00	-455.69	14,129.81	2,532.91	2,060.79	472.13	5.365		
18,000.00	6,953.00	6,769.00	6,769.00	340.85	135.76	90.00	-455.69	14,129.81	2,513.13	2,037.27	475.87	5.281		
18,100.00	6,953.00	6,769.00	6,769.00	343.52	135.76	90.00	-455.69	14,129.81	2,497.20	2,018.06	479.15	5.212		
18,200.00	6,953.00	6,769.00	6,769.00	346.19	135.76	90.00	-455.69	14,129.81	2,485.20	2,003.27	481.93	5.157		
18,300.00	6,953.00	6,769.00	6,769.00	348.87	135.76	90.00	-455.69	14,129.81	2,477.18	1,992.99	484.19	5.116		
18,400.00	6,953.00	6,769.00	6,769.00	351.55	135.76	90.00	-455.69	14,129.81	2,473.18	1,987.27	485.90	5.090		
18,449.04	6,953.00	6,769.00	6,769.00	352.86	135.76	90.00	-455.69	14,129.81	2,472.69	1,986.15	486.54	5.082 CC, ES		
18,500.00	6,953.00	6,769.00	6,769.00	354.22	135.76	90.00	-455.69	14,129.81	2,473.22	1,986.16	487.06	5.078 SF		
18,600.00	6,953.00	6,769.00	6,769.00	356.90	135.76	90.00	-455.69	14,129.81	2,477.29	1,989.65	487.65	5.080		

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-20-01
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-20-01	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	
18,700.00	6,953.00	6,769.00	6,769.00	359.58	135.76	90.00	-455.69	14,129.81	2,485.39	1,997.72	487.67	5.096	
18,800.00	6,953.00	6,769.00	6,769.00	362.26	135.76	90.00	-455.69	14,129.81	2,497.47	2,010.32	487.15	5.127	
18,900.00	6,953.00	6,769.00	6,769.00	364.94	135.76	90.00	-455.69	14,129.81	2,513.48	2,027.39	486.09	5.171	
19,000.00	6,953.00	6,769.00	6,769.00	367.62	135.76	90.00	-455.69	14,129.81	2,533.33	2,048.80	484.52	5.228	
19,073.74	6,953.00	6,769.00	6,769.00	369.59	135.76	90.00	-455.69	14,129.81	2,550.38	2,067.32	483.06	5.280	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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		
100.00	100.00	0.00	0.00	0.27	0.00	75.28	1,616.41	6,154.11	6,362.89	6,362.62	0.27	N/A		
200.00	199.98	79.98	79.98	0.63	0.12	11.85	1,616.41	6,154.11	6,361.15	6,360.40	0.75	8,473.849		
300.00	299.84	179.84	179.84	0.99	0.44	11.88	1,616.41	6,154.11	6,356.02	6,354.59	1.43	4,438.845		
400.00	399.45	279.45	279.45	1.36	0.80	11.93	1,616.41	6,154.11	6,347.50	6,345.34	2.16	2,944.218		
500.00	498.70	378.70	378.70	1.76	1.16	12.01	1,616.41	6,154.11	6,335.57	6,332.69	2.88	2,198.694		
600.00	597.47	477.47	477.47	2.18	1.51	12.10	1,616.41	6,154.11	6,320.26	6,316.66	3.61	1,751.336		
700.00	695.62	575.62	575.62	2.63	1.86	12.22	1,616.41	6,154.11	6,301.60	6,297.26	4.34	1,452.610		
800.00	793.06	673.06	673.06	3.11	2.21	12.36	1,616.41	6,154.11	6,279.59	6,274.52	5.07	1,238.652		
900.00	889.64	769.64	769.64	3.64	2.56	12.52	1,616.41	6,154.11	6,254.28	6,248.48	5.80	1,077.618		
1,000.00	985.27	865.27	865.27	4.22	2.90	12.71	1,616.41	6,154.11	6,225.69	6,219.15	6.54	951.851		
1,100.00	1,079.82	959.82	959.82	4.84	3.24	12.93	1,616.41	6,154.11	6,193.86	6,186.58	7.28	850.773		
1,200.00	1,173.17	1,053.17	1,053.17	5.52	3.57	13.17	1,616.41	6,154.11	6,158.84	6,150.82	8.02	767.665		
1,300.00	1,265.21	1,145.21	1,145.21	6.26	3.90	13.44	1,616.41	6,154.11	6,120.66	6,111.89	8.77	698.049		
1,400.00	1,355.84	1,235.84	1,235.84	7.06	4.23	13.75	1,616.41	6,154.11	6,079.38	6,069.87	9.52	638.829		
1,500.00	1,444.94	1,324.94	1,324.94	7.92	4.55	14.09	1,616.41	6,154.11	6,035.05	6,024.78	10.27	587.793		
1,600.00	1,532.39	1,412.39	1,412.39	8.84	4.86	14.47	1,616.41	6,154.11	5,987.73	5,976.71	11.02	543.319		
1,700.00	1,618.11	1,498.11	1,498.11	9.83	5.17	14.89	1,616.41	6,154.11	5,937.48	5,925.70	11.78	504.190		
1,800.00	1,701.97	1,581.97	1,581.97	10.89	5.47	15.35	1,616.41	6,154.11	5,884.36	5,871.83	12.53	469.474		
1,900.00	1,783.88	1,663.88	1,663.88	12.02	5.76	15.86	1,616.41	6,154.11	5,828.45	5,815.16	13.29	438.445		
1,991.28	1,856.86	1,736.86	1,736.86	13.11	6.02	16.38	1,616.41	6,154.11	5,775.04	5,761.05	13.99	412.840		
2,000.00	1,863.75	1,743.75	1,743.75	13.21	6.05	16.39	1,616.41	6,154.11	5,769.83	5,755.77	14.06	410.401		
2,100.00	1,942.74	1,822.74	1,822.74	14.45	6.33	16.56	1,616.41	6,154.11	5,710.11	5,695.30	14.82	385.407		
2,200.00	2,021.72	1,901.72	1,901.72	15.69	6.61	16.74	1,616.41	6,154.11	5,650.43	5,634.85	15.58	362.622		
2,300.00	2,100.71	1,980.71	1,980.71	16.95	6.90	16.91	1,616.41	6,154.11	5,590.78	5,574.42	16.36	341.792		
2,400.00	2,179.70	2,059.70	2,059.70	18.21	7.18	17.10	1,616.41	6,154.11	5,531.17	5,514.03	17.14	322.694		
2,500.00	2,258.69	2,138.69	2,138.69	19.47	7.46	17.28	1,616.41	6,154.11	5,471.59	5,453.66	17.93	305.135		
2,600.00	2,337.68	2,217.68	2,217.68	20.74	7.75	17.47	1,616.41	6,154.11	5,412.06	5,393.33	18.73	288.949		
2,700.00	2,416.66	2,296.66	2,296.66	22.02	8.03	17.66	1,616.41	6,154.11	5,352.57	5,333.03	19.54	273.988		
2,800.00	2,495.65	2,375.65	2,375.65	23.29	8.31	17.86	1,616.41	6,154.11	5,293.11	5,272.77	20.35	260.126		
2,900.00	2,574.64	2,454.64	2,454.64	24.57	8.60	18.06	1,616.41	6,154.11	5,233.70	5,212.54	21.17	247.250		
3,000.00	2,653.63	2,533.63	2,533.63	25.85	8.88	18.27	1,616.41	6,154.11	5,174.34	5,152.35	21.99	235.263		
3,100.00	2,732.62	2,612.62	2,612.62	27.14	9.16	18.48	1,616.41	6,154.11	5,115.02	5,092.20	22.83	224.080		
3,200.00	2,811.61	2,691.61	2,691.61	28.42	9.45	18.70	1,616.41	6,154.11	5,055.75	5,032.09	23.67	213.626		
3,300.00	2,890.59	2,770.59	2,770.59	29.71	9.73	18.92	1,616.41	6,154.11	4,996.53	4,972.02	24.51	203.832		
3,400.00	2,969.58	2,849.58	2,849.58	31.00	10.01	19.15	1,616.41	6,154.11	4,937.36	4,912.00	25.37	194.641		
3,500.00	3,048.57	2,928.57	2,928.57	32.29	10.30	19.38	1,616.41	6,154.11	4,878.25	4,852.02	26.23	186.001		
3,600.00	3,127.56	3,007.56	3,007.56	33.58	10.58	19.61	1,616.41	6,154.11	4,819.19	4,792.09	27.09	177.864		
3,700.00	3,206.55	3,086.55	3,086.55	34.87	10.86	19.86	1,616.41	6,154.11	4,760.18	4,732.21	27.97	170.188		
3,800.00	3,285.53	3,165.53	3,165.53	36.16	11.15	20.10	1,616.41	6,154.11	4,701.24	4,672.39	28.85	162.938		
3,900.00	3,364.52	3,244.52	3,244.52	37.45	11.43	20.36	1,616.41	6,154.11	4,642.36	4,612.61	29.74	156.078		
4,000.00	3,443.51	3,323.51	3,323.51	38.74	11.71	20.62	1,616.41	6,154.11	4,583.54	4,552.90	30.64	149.580		
4,100.00	3,522.50	3,402.50	3,402.50	40.04	11.99	20.89	1,616.41	6,154.11	4,524.79	4,493.24	31.55	143.416		
4,200.00	3,601.49	3,481.49	3,481.49	41.33	12.28	21.16	1,616.41	6,154.11	4,466.11	4,433.64	32.47	137.561		
4,300.00	3,680.47	3,560.47	3,560.47	42.63	12.56	21.44	1,616.41	6,154.11	4,407.50	4,374.11	33.39	131.994		
4,400.00	3,759.46	3,639.46	3,639.46	43.92	12.84	21.73	1,616.41	6,154.11	4,348.96	4,314.64	34.33	126.694		
4,500.00	3,838.45	3,718.45	3,718.45	45.22	13.13	22.02	1,616.41	6,154.11	4,290.50	4,255.23	35.27	121.643		
4,600.00	3,917.44	3,797.44	3,797.44	46.51	13.41	22.32	1,616.41	6,154.11	4,232.13	4,195.90	36.23	116.825		
4,700.00	3,996.43	3,876.43	3,876.43	47.81	13.69	22.64	1,616.41	6,154.11	4,173.84	4,136.64	37.19	112.224		
4,800.00	4,075.42	3,955.42	3,955.42	49.10	13.98	22.95	1,616.41	6,154.11	4,115.63	4,077.46	38.17	107.827		
4,900.00	4,154.40	4,034.40	4,034.40	50.40	14.26	23.28	1,616.41	6,154.11	4,057.52	4,018.36	39.16	103.620		
5,000.00	4,233.39	4,113.39	4,113.39	51.70	14.54	23.62	1,616.41	6,154.11	3,999.51	3,959.35	40.16	99.592		
5,100.00	4,312.38	4,192.38	4,192.38	52.99	14.83	23.96	1,616.41	6,154.11	3,941.59	3,900.42	41.17	95.732		

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-20-01
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-20-01	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		
5,200.00	4,391.37	4,271.37	4,271.37	54.29	15.11	24.32	1,616.41	6,154.11	3,883.78	3,841.58	42.20	92.031		
5,300.00	4,470.36	4,350.36	4,350.36	55.59	15.39	24.69	1,616.41	6,154.11	3,826.08	3,782.84	43.24	88.479		
5,400.00	4,549.34	4,429.34	4,429.34	56.89	15.68	25.06	1,616.41	6,154.11	3,768.49	3,724.20	44.30	85.069		
5,500.00	4,628.33	4,508.33	4,508.33	58.18	15.96	25.45	1,616.41	6,154.11	3,711.03	3,665.66	45.37	81.791		
5,600.00	4,707.32	4,587.32	4,587.32	59.48	16.24	25.85	1,616.41	6,154.11	3,653.69	3,607.23	46.46	78.640		
5,700.00	4,786.31	4,666.31	4,666.31	60.78	16.52	26.26	1,616.41	6,154.11	3,596.48	3,548.91	47.57	75.609		
5,800.00	4,865.30	4,745.30	4,745.30	62.08	16.81	26.68	1,616.41	6,154.11	3,539.41	3,490.71	48.69	72.690		
5,900.00	4,944.28	4,824.28	4,824.28	63.38	17.09	27.11	1,616.41	6,154.11	3,482.48	3,432.64	49.84	69.880		
6,000.00	5,023.27	4,903.27	4,903.27	64.68	17.37	27.56	1,616.41	6,154.11	3,425.70	3,374.71	51.00	67.172		
6,100.00	5,102.26	4,982.26	4,982.26	65.97	17.66	28.02	1,616.41	6,154.11	3,369.09	3,316.90	52.18	64.562		
6,200.00	5,181.25	5,061.25	5,061.25	67.27	17.94	28.50	1,616.41	6,154.11	3,312.64	3,259.25	53.39	62.045		
6,300.00	5,260.24	5,140.24	5,140.24	68.57	18.22	28.99	1,616.41	6,154.11	3,256.37	3,201.75	54.62	59.617		
6,400.00	5,339.23	5,219.23	5,219.23	69.87	18.51	29.50	1,616.41	6,154.11	3,200.28	3,144.41	55.88	57.273		
6,500.00	5,418.21	5,298.21	5,298.21	71.17	18.79	30.02	1,616.41	6,154.11	3,144.39	3,087.23	57.16	55.011		
6,600.00	5,497.20	5,377.20	5,377.20	72.47	19.07	30.56	1,616.41	6,154.11	3,088.71	3,030.24	58.47	52.827		
6,700.00	5,576.19	5,456.19	5,456.19	73.77	19.36	31.12	1,616.41	6,154.11	3,033.24	2,973.44	59.81	50.718		
6,800.00	5,655.18	5,535.18	5,535.18	75.07	19.64	31.70	1,616.41	6,154.11	2,978.01	2,916.83	61.18	48.680		
6,900.00	5,734.17	5,614.17	5,614.17	76.37	19.92	32.30	1,616.41	6,154.11	2,923.01	2,860.44	62.58	46.711		
7,000.00	5,813.15	5,693.15	5,693.15	77.67	20.21	32.91	1,616.41	6,154.11	2,868.28	2,804.27	64.01	44.809		
7,100.00	5,892.14	5,772.14	5,772.14	78.97	20.49	33.55	1,616.41	6,154.11	2,813.81	2,748.33	65.48	42.971		
7,200.00	5,971.13	5,851.13	5,851.13	80.27	20.77	34.21	1,616.41	6,154.11	2,759.64	2,692.65	66.99	41.194		
7,300.00	6,050.12	5,930.12	5,930.12	81.57	21.06	34.90	1,616.41	6,154.11	2,705.76	2,637.23	68.54	39.478		
7,400.00	6,129.11	6,009.11	6,009.11	82.86	21.34	35.60	1,616.41	6,154.11	2,652.22	2,582.09	70.13	37.819		
7,500.00	6,208.09	6,088.09	6,088.09	84.16	21.62	36.34	1,616.41	6,154.11	2,599.01	2,527.25	71.76	36.216		
7,600.00	6,287.08	6,167.08	6,167.08	85.46	21.90	37.10	1,616.41	6,154.11	2,546.17	2,472.73	73.44	34.668		
7,700.00	6,366.07	6,246.07	6,246.07	86.76	22.19	37.89	1,616.41	6,154.11	2,493.72	2,418.55	75.17	33.173		
7,800.00	6,445.06	6,325.06	6,325.06	88.06	22.47	38.70	1,616.41	6,154.11	2,441.69	2,364.73	76.96	31.729		
7,900.00	6,524.05	6,404.05	6,404.05	89.36	22.75	39.55	1,616.41	6,154.11	2,390.09	2,311.30	78.79	30.335		
8,000.00	6,603.03	6,483.03	6,483.03	90.66	23.04	40.43	1,616.41	6,154.11	2,338.97	2,258.28	80.68	28.990		
8,100.00	6,682.02	6,562.02	6,562.02	91.96	23.32	41.34	1,616.41	6,154.11	2,288.34	2,205.71	82.63	27.694		
8,133.44	6,708.44	6,588.44	6,588.44	92.40	23.42	41.65	1,616.41	6,154.11	2,271.53	2,188.23	83.30	27.270		
8,150.00	6,721.39	6,601.39	6,601.39	92.62	23.46	40.87	1,616.41	6,154.11	2,263.02	2,179.40	83.63	27.060		
8,200.00	6,758.90	6,638.90	6,638.90	93.34	23.60	39.11	1,616.41	6,154.11	2,235.03	2,150.39	84.64	26.407		
8,250.00	6,793.76	6,673.76	6,673.76	94.13	23.72	38.17	1,616.41	6,154.11	2,203.72	2,118.07	85.65	25.729		
8,300.00	6,825.72	6,705.72	6,705.72	95.00	23.84	37.97	1,616.41	6,154.11	2,169.33	2,082.67	86.66	25.032		
8,350.00	6,854.52	6,734.52	6,734.52	95.93	23.94	38.52	1,616.41	6,154.11	2,132.12	2,044.46	87.66	24.323		
8,400.00	6,879.97	6,759.97	6,759.97	96.92	24.03	39.89	1,616.41	6,154.11	2,092.36	2,003.72	88.64	23.605		
8,450.00	6,901.84	6,781.84	6,781.84	97.95	24.11	42.26	1,616.41	6,154.11	2,050.34	1,960.75	89.59	22.885		
8,500.00	6,920.00	6,800.00	6,800.00	99.02	24.17	45.93	1,616.41	6,154.11	2,006.38	1,915.87	90.51	22.167		
8,550.00	6,934.28	6,814.28	6,814.28	100.12	24.22	51.46	1,616.41	6,154.11	1,960.78	1,869.40	91.39	21.456		
8,600.00	6,944.59	6,824.59	6,824.59	101.22	24.26	59.74	1,616.41	6,154.11	1,913.89	1,821.68	92.21	20.755		
8,650.00	6,950.84	6,830.84	6,830.84	102.33	24.28	72.07	1,616.41	6,154.11	1,866.04	1,773.06	92.98	20.068		
8,701.16	6,953.00	6,833.00	6,833.00	103.44	24.29	90.00	1,616.41	6,154.11	1,816.44	1,722.74	93.70	19.385		
8,800.00	6,953.00	6,833.00	6,833.00	105.59	24.29	90.00	1,616.41	6,154.11	1,720.40	1,625.30	95.10	18.091		
8,900.00	6,953.00	6,833.00	6,833.00	107.79	24.29	90.00	1,616.41	6,154.11	1,623.57	1,526.90	96.67	16.795		
9,000.00	6,953.00	6,833.00	6,833.00	110.02	24.29	90.00	1,616.41	6,154.11	1,527.15	1,428.70	98.44	15.513		
9,100.00	6,953.00	6,833.00	6,833.00	112.26	24.29	90.00	1,616.41	6,154.11	1,431.22	1,330.77	100.45	14.248		
9,200.00	6,953.00	6,833.00	6,833.00	114.52	24.29	90.00	1,616.41	6,154.11	1,335.88	1,233.15	102.73	13.003		
9,300.00	6,953.00	6,833.00	6,833.00	116.80	24.29	90.00	1,616.41	6,154.11	1,241.28	1,135.93	105.35	11.782		
9,400.00	6,953.00	6,833.00	6,833.00	119.10	24.29	90.00	1,616.41	6,154.11	1,147.60	1,039.22	108.38	10.589		
9,500.00	6,953.00	6,833.00	6,833.00	121.42	24.29	90.00	1,616.41	6,154.11	1,055.07	943.18	111.89	9.429		
9,600.00	6,953.00	6,833.00	6,833.00	123.75	24.29	90.00	1,616.41	6,154.11	964.04	848.04	116.00	8.311		

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-20-01
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-20-01	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		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)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)						
9,700.00	6,953.00	6,833.00	6,833.00	126.10	24.29	90.00	1,616.41	6,154.11	874.97	754.14	120.83	7.241		
9,800.00	6,953.00	6,833.00	6,833.00	128.46	24.29	90.00	1,616.41	6,154.11	788.53	662.02	126.51	6.233		
9,900.00	6,953.00	6,833.00	6,833.00	130.84	24.29	90.00	1,616.41	6,154.11	705.67	572.51	133.17	5.299		
10,000.00	6,953.00	6,833.00	6,833.00	133.23	24.29	90.00	1,616.41	6,154.11	627.83	487.00	140.83	4.458		
10,100.00	6,953.00	6,833.00	6,833.00	135.63	24.29	90.00	1,616.41	6,154.11	557.11	407.84	149.27	3.732		
10,200.00	6,953.00	6,833.00	6,833.00	138.04	24.29	90.00	1,616.41	6,154.11	496.56	338.88	157.69	3.149		
10,300.00	6,953.00	6,833.00	6,833.00	140.46	24.29	90.00	1,616.41	6,154.11	450.30	286.06	164.24	2.742		
10,400.00	6,953.00	6,833.00	6,833.00	142.90	24.29	90.00	1,616.41	6,154.11	423.05	256.93	166.13	2.547 SF		
10,469.00	6,953.00	6,833.00	6,833.00	144.58	24.29	90.00	1,616.41	6,154.11	417.39	254.00	163.39	2.555 CC, ES		
10,500.00	6,953.00	6,833.00	6,833.00	145.34	24.29	90.00	1,616.41	6,154.11	418.54	257.53	161.01	2.599		
10,600.00	6,953.00	6,833.00	6,833.00	147.80	24.29	90.00	1,616.41	6,154.11	437.46	288.10	149.36	2.929		
10,700.00	6,953.00	6,833.00	6,833.00	150.26	24.29	90.00	1,616.41	6,154.11	477.05	342.66	134.38	3.550		
10,800.00	6,953.00	6,833.00	6,833.00	152.73	24.29	90.00	1,616.41	6,154.11	532.70	413.28	119.43	4.460		
10,900.00	6,953.00	6,833.00	6,833.00	155.21	24.29	90.00	1,616.41	6,154.11	599.98	493.62	106.36	5.641		
11,000.00	6,953.00	6,833.00	6,833.00	157.70	24.29	90.00	1,616.41	6,154.11	675.40	579.70	95.70	7.057		
11,100.00	6,953.00	6,833.00	6,833.00	160.20	24.29	90.00	1,616.41	6,154.11	756.55	669.22	87.33	8.663		
11,200.00	6,953.00	6,833.00	6,833.00	162.70	24.29	90.00	1,616.41	6,154.11	841.77	760.88	80.88	10.407		
11,300.00	6,953.00	6,833.00	6,833.00	165.21	24.29	90.00	1,616.41	6,154.11	929.93	853.95	75.98	12.239		
11,400.00	6,953.00	6,833.00	6,833.00	167.73	24.29	90.00	1,616.41	6,154.11	1,020.28	947.98	72.30	14.113		
11,500.00	6,953.00	6,833.00	6,833.00	170.25	24.29	90.00	1,616.41	6,154.11	1,112.28	1,042.73	69.55	15.992		
11,600.00	6,953.00	6,833.00	6,833.00	172.78	24.29	90.00	1,616.41	6,154.11	1,205.56	1,138.03	67.53	17.853		
11,700.00	6,953.00	6,833.00	6,833.00	175.31	24.29	90.00	1,616.41	6,154.11	1,299.83	1,233.78	66.06	19.678		
11,800.00	6,953.00	6,833.00	6,833.00	177.85	24.29	90.00	1,616.41	6,154.11	1,394.91	1,329.90	65.01	21.458		
11,900.00	6,953.00	6,833.00	6,833.00	180.40	24.29	90.00	1,616.41	6,154.11	1,490.63	1,426.36	64.27	23.193		
12,000.00	6,953.00	6,833.00	6,833.00	182.95	24.29	90.00	1,616.41	6,154.11	1,586.87	1,523.10	63.78	24.881		
12,100.00	6,953.00	6,833.00	6,833.00	185.50	24.29	90.00	1,616.41	6,154.11	1,683.56	1,620.09	63.46	26.528		
12,200.00	6,953.00	6,833.00	6,833.00	188.06	24.29	90.00	1,616.41	6,154.11	1,780.61	1,717.32	63.29	28.135		
12,300.00	6,953.00	6,833.00	6,833.00	190.63	24.29	90.00	1,616.41	6,154.11	1,877.97	1,814.75	63.21	29.708		
12,400.00	6,953.00	6,833.00	6,833.00	193.20	24.29	90.00	1,616.41	6,154.11	1,975.59	1,912.38	63.22	31.251		
12,500.00	6,953.00	6,833.00	6,833.00	195.77	24.29	90.00	1,616.41	6,154.11	2,073.44	2,010.17	63.28	32.767		
12,600.00	6,953.00	6,833.00	6,833.00	198.35	24.29	90.00	1,616.41	6,154.11	2,171.49	2,108.11	63.38	34.261		
12,700.00	6,953.00	6,833.00	6,833.00	200.93	24.29	90.00	1,616.41	6,154.11	2,269.71	2,206.19	63.52	35.734		
12,800.00	6,953.00	6,833.00	6,833.00	203.51	24.29	90.00	1,616.41	6,154.11	2,368.07	2,304.40	63.67	37.190		
12,900.00	6,953.00	6,833.00	6,833.00	206.10	24.29	90.00	1,616.41	6,154.11	2,466.57	2,402.72	63.85	38.631		
13,000.00	6,953.00	6,833.00	6,833.00	208.69	24.29	90.00	1,616.41	6,154.11	2,565.18	2,501.15	64.04	40.058		
13,100.00	6,953.00	6,833.00	6,833.00	211.29	24.29	90.00	1,616.41	6,154.11	2,663.90	2,599.67	64.23	41.474		
13,200.00	6,953.00	6,833.00	6,833.00	213.88	24.29	90.00	1,616.41	6,154.11	2,762.71	2,698.28	64.43	42.879		
13,300.00	6,953.00	6,833.00	6,833.00	216.48	24.29	90.00	1,616.41	6,154.11	2,861.60	2,796.97	64.63	44.274		
13,400.00	6,953.00	6,833.00	6,833.00	219.09	24.29	90.00	1,616.41	6,154.11	2,960.57	2,895.73	64.84	45.661		
13,500.00	6,953.00	6,833.00	6,833.00	221.69	24.29	90.00	1,616.41	6,154.11	3,059.60	2,994.56	65.04	47.041		
13,600.00	6,953.00	6,833.00	6,833.00	224.30	24.29	90.00	1,616.41	6,154.11	3,158.70	3,093.45	65.24	48.413		
13,700.00	6,953.00	6,833.00	6,833.00	226.92	24.29	90.00	1,616.41	6,154.11	3,257.85	3,192.40	65.45	49.779		
13,800.00	6,953.00	6,833.00	6,833.00	229.53	24.29	90.00	1,616.41	6,154.11	3,357.05	3,291.40	65.64	51.140		
13,900.00	6,953.00	6,833.00	6,833.00	232.15	24.29	90.00	1,616.41	6,154.11	3,456.29	3,390.45	65.84	52.494		
14,000.00	6,953.00	6,833.00	6,833.00	234.77	24.29	90.00	1,616.41	6,154.11	3,555.58	3,489.55	66.03	53.844		
14,100.00	6,953.00	6,833.00	6,833.00	237.39	24.29	90.00	1,616.41	6,154.11	3,654.91	3,588.68	66.22	55.189		
14,200.00	6,953.00	6,833.00	6,833.00	240.01	24.29	90.00	1,616.41	6,154.11	3,754.27	3,687.86	66.41	56.530		
14,300.00	6,953.00	6,833.00	6,833.00	242.64	24.29	90.00	1,616.41	6,154.11	3,853.67	3,787.07	66.60	57.866		
14,400.00	6,953.00	6,833.00	6,833.00	245.27	24.29	90.00	1,616.41	6,154.11	3,953.10	3,886.32	66.78	59.198		
14,500.00	6,953.00	6,833.00	6,833.00	247.90	24.29	90.00	1,616.41	6,154.11	4,052.55	3,985.60	66.95	60.527		
14,600.00	6,953.00	6,833.00	6,833.00	250.53	24.29	90.00	1,616.41	6,154.11	4,152.03	4,084.90	67.13	61.852		
14,700.00	6,953.00	6,833.00	6,833.00	253.16	24.29	90.00	1,616.41	6,154.11	4,251.54	4,184.24	67.30	63.173		

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-20-01
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-20-01	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							
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
14,800.00	6,953.00	6,833.00	6,833.00	255.80	24.29	90.00	1,616.41	6,154.11	4,351.06	4,283.60	67.47	64.491	
14,900.00	6,953.00	6,833.00	6,833.00	258.43	24.29	90.00	1,616.41	6,154.11	4,450.61	4,382.98	67.63	65.805	
15,000.00	6,953.00	6,833.00	6,833.00	261.07	24.29	90.00	1,616.41	6,154.11	4,550.18	4,482.39	67.80	67.116	
15,100.00	6,953.00	6,833.00	6,833.00	263.71	24.29	90.00	1,616.41	6,154.11	4,649.77	4,581.81	67.96	68.424	
15,200.00	6,953.00	6,833.00	6,833.00	266.36	24.29	90.00	1,616.41	6,154.11	4,749.37	4,681.26	68.11	69.729	
15,300.00	6,953.00	6,833.00	6,833.00	269.00	24.29	90.00	1,616.41	6,154.11	4,849.00	4,780.73	68.27	71.030	
15,400.00	6,953.00	6,833.00	6,833.00	271.65	24.29	90.00	1,616.41	6,154.11	4,948.63	4,880.21	68.42	72.329	
15,500.00	6,953.00	6,833.00	6,833.00	274.29	24.29	90.00	1,616.41	6,154.11	5,048.28	4,979.71	68.57	73.625	
15,600.00	6,953.00	6,833.00	6,833.00	276.94	24.29	90.00	1,616.41	6,154.11	5,147.95	5,079.23	68.71	74.917	
15,700.00	6,953.00	6,833.00	6,833.00	279.59	24.29	90.00	1,616.41	6,154.11	5,247.62	5,178.76	68.86	76.207	
15,800.00	6,953.00	6,833.00	6,833.00	282.24	24.29	90.00	1,616.41	6,154.11	5,347.31	5,278.31	69.00	77.494	
15,900.00	6,953.00	6,833.00	6,833.00	284.90	24.29	90.00	1,616.41	6,154.11	5,447.01	5,377.87	69.14	78.778	
16,000.00	6,953.00	6,833.00	6,833.00	287.55	24.29	90.00	1,616.41	6,154.11	5,546.72	5,477.44	69.28	80.060	
16,100.00	6,953.00	6,833.00	6,833.00	290.20	24.29	90.00	1,616.41	6,154.11	5,646.45	5,577.03	69.42	81.338	
16,200.00	6,953.00	6,833.00	6,833.00	292.86	24.29	90.00	1,616.41	6,154.11	5,746.18	5,676.62	69.55	82.614	
16,300.00	6,953.00	6,833.00	6,833.00	295.52	24.29	90.00	1,616.41	6,154.11	5,845.92	5,776.23	69.69	83.887	
16,400.00	6,953.00	6,833.00	6,833.00	298.18	24.29	90.00	1,616.41	6,154.11	5,945.67	5,875.85	69.82	85.157	
16,500.00	6,953.00	6,833.00	6,833.00	300.84	24.29	90.00	1,616.41	6,154.11	6,045.42	5,975.47	69.95	86.424	
16,600.00	6,953.00	6,833.00	6,833.00	303.50	24.29	90.00	1,616.41	6,154.11	6,145.19	6,075.11	70.08	87.689	
16,700.00	6,953.00	6,833.00	6,833.00	306.16	24.29	90.00	1,616.41	6,154.11	6,244.96	6,174.76	70.21	88.951	
16,800.00	6,953.00	6,833.00	6,833.00	308.82	24.29	90.00	1,616.41	6,154.11	6,344.74	6,274.41	70.33	90.210	
16,900.00	6,953.00	6,833.00	6,833.00	311.49	24.29	90.00	1,616.41	6,154.11	6,444.53	6,374.07	70.46	91.466	
17,000.00	6,953.00	6,833.00	6,833.00	314.15	24.29	90.00	1,616.41	6,154.11	6,544.32	6,473.74	70.58	92.720	
17,100.00	6,953.00	6,833.00	6,833.00	316.82	24.29	90.00	1,616.41	6,154.11	6,644.12	6,573.42	70.70	93.971	
17,200.00	6,953.00	6,833.00	6,833.00	319.48	24.29	90.00	1,616.41	6,154.11	6,743.93	6,673.10	70.83	95.219	
17,300.00	6,953.00	6,833.00	6,833.00	322.15	24.29	90.00	1,616.41	6,154.11	6,843.74	6,772.79	70.95	96.465	
17,400.00	6,953.00	6,833.00	6,833.00	324.82	24.29	90.00	1,616.41	6,154.11	6,943.55	6,872.49	71.06	97.707	
17,500.00	6,953.00	6,833.00	6,833.00	327.49	24.29	90.00	1,616.41	6,154.11	7,043.38	6,972.19	71.18	98.947	
17,600.00	6,953.00	6,833.00	6,833.00	330.16	24.29	90.00	1,616.41	6,154.11	7,143.20	7,071.90	71.30	100.185	
17,700.00	6,953.00	6,833.00	6,833.00	332.83	24.29	90.00	1,616.41	6,154.11	7,243.03	7,171.62	71.42	101.419	
17,800.00	6,953.00	6,833.00	6,833.00	335.50	24.29	90.00	1,616.41	6,154.11	7,342.87	7,271.34	71.53	102.651	
17,900.00	6,953.00	6,833.00	6,833.00	338.17	24.29	90.00	1,616.41	6,154.11	7,442.71	7,371.06	71.65	103.880	
18,000.00	6,953.00	6,833.00	6,833.00	340.85	24.29	90.00	1,616.41	6,154.11	7,542.56	7,470.79	71.76	105.106	
18,100.00	6,953.00	6,833.00	6,833.00	343.52	24.29	90.00	1,616.41	6,154.11	7,642.40	7,570.53	71.87	106.330	
18,200.00	6,953.00	6,833.00	6,833.00	346.19	24.29	90.00	1,616.41	6,154.11	7,742.26	7,670.27	71.99	107.550	
18,300.00	6,953.00	6,833.00	6,833.00	348.87	24.29	90.00	1,616.41	6,154.11	7,842.11	7,770.01	72.10	108.768	
18,400.00	6,953.00	6,833.00	6,833.00	351.55	24.29	90.00	1,616.41	6,154.11	7,941.97	7,869.76	72.21	109.984	
18,500.00	6,953.00	6,833.00	6,833.00	354.22	24.29	90.00	1,616.41	6,154.11	8,041.84	7,969.52	72.32	111.196	
18,600.00	6,953.00	6,833.00	6,833.00	356.90	24.29	90.00	1,616.41	6,154.11	8,141.70	8,069.27	72.43	112.406	
18,700.00	6,953.00	6,833.00	6,833.00	359.58	24.29	90.00	1,616.41	6,154.11	8,241.57	8,169.03	72.54	113.613	
18,800.00	6,953.00	6,833.00	6,833.00	362.26	24.29	90.00	1,616.41	6,154.11	8,341.45	8,268.80	72.65	114.817	
18,900.00	6,953.00	6,833.00	6,833.00	364.94	24.29	90.00	1,616.41	6,154.11	8,441.32	8,368.57	72.76	116.018	
19,000.00	6,953.00	6,833.00	6,833.00	367.62	24.29	90.00	1,616.41	6,154.11	8,541.20	8,468.34	72.87	117.217	
19,073.74	6,953.00	6,833.00	6,833.00	369.59	24.29	90.00	1,616.41	6,154.11	8,614.86	8,541.91	72.95	118.099	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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		
100.00	100.00	0.00	0.00	0.27	0.00	79.10	1,605.03	8,334.64	8,487.95	8,487.68	0.27	N/A		
200.00	199.98	44.98	44.98	0.63	0.54	15.67	1,605.03	8,334.64	8,486.09	8,484.93	1.16	7,285.256		
300.00	299.84	144.84	144.84	0.99	2.22	15.71	1,605.03	8,334.64	8,481.05	8,477.84	3.21	2,638.511		
400.00	399.45	244.45	244.45	1.36	4.41	15.77	1,605.03	8,334.64	8,472.66	8,466.89	5.77	1,468.859		
500.00	498.70	343.70	343.70	1.76	6.46	15.86	1,605.03	8,334.64	8,460.93	8,452.74	8.19	1,033.654		
600.00	597.47	442.47	442.47	2.18	8.47	15.97	1,605.03	8,334.64	8,445.87	8,435.30	10.57	798.947		
700.00	695.62	540.62	540.62	2.63	10.46	16.11	1,605.03	8,334.64	8,427.51	8,414.57	12.94	651.284		
800.00	793.06	638.06	638.06	3.11	12.43	16.27	1,605.03	8,334.64	8,405.86	8,390.57	15.29	549.590		
900.00	889.64	734.64	734.64	3.64	14.38	16.47	1,605.03	8,334.64	8,380.97	8,363.33	17.64	475.200		
1,000.00	985.27	830.27	830.27	4.22	16.31	16.69	1,605.03	8,334.64	8,352.85	8,332.88	19.97	418.371		
1,100.00	1,079.82	924.82	924.82	4.84	18.21	16.95	1,605.03	8,334.64	8,321.55	8,299.27	22.28	373.511		
1,200.00	1,173.17	1,018.17	1,018.17	5.52	20.09	17.24	1,605.03	8,334.64	8,287.10	8,262.52	24.58	337.180		
1,300.00	1,265.21	1,110.21	1,110.21	6.26	21.95	17.56	1,605.03	8,334.64	8,249.56	8,222.70	26.86	307.142		
1,400.00	1,355.84	1,200.84	1,200.84	7.06	23.77	17.92	1,605.03	8,334.64	8,208.97	8,179.85	29.12	281.882		
1,500.00	1,444.94	1,289.94	1,289.94	7.92	25.57	18.32	1,605.03	8,334.64	8,165.39	8,134.02	31.36	260.337		
1,600.00	1,532.39	1,377.39	1,377.39	8.84	27.33	18.76	1,605.03	8,334.64	8,118.87	8,085.28	33.59	241.735		
1,700.00	1,618.11	1,463.11	1,463.11	9.83	29.05	19.25	1,605.03	8,334.64	8,069.47	8,033.69	35.78	225.508		
1,800.00	1,701.97	1,546.97	1,546.97	10.89	30.74	19.78	1,605.03	8,334.64	8,017.27	7,979.31	37.96	211.223		
1,900.00	1,783.88	1,628.88	1,628.88	12.02	32.39	20.37	1,605.03	8,334.64	7,962.32	7,922.22	40.10	198.547		
1,991.28	1,856.86	1,701.86	1,701.86	13.11	33.86	20.96	1,605.03	8,334.64	7,909.83	7,867.80	42.04	188.159		
2,000.00	1,863.75	1,708.75	1,708.75	13.21	33.99	20.97	1,605.03	8,334.64	7,904.71	7,862.49	42.23	187.203		
2,100.00	1,942.74	1,787.74	1,787.74	14.45	35.58	21.13	1,605.03	8,334.64	7,846.04	7,801.71	44.33	176.998		
2,200.00	2,021.72	1,866.72	1,866.72	15.69	37.17	21.29	1,605.03	8,334.64	7,787.41	7,740.96	46.44	167.681		
2,300.00	2,100.71	1,945.71	1,945.71	16.95	38.76	21.45	1,605.03	8,334.64	7,728.81	7,680.25	48.56	159.144		
2,400.00	2,179.70	2,024.70	2,024.70	18.21	40.35	21.61	1,605.03	8,334.64	7,670.27	7,619.57	50.70	151.296		
2,500.00	2,258.69	2,103.69	2,103.69	19.47	41.94	21.78	1,605.03	8,334.64	7,611.76	7,558.92	52.84	144.060		
2,600.00	2,337.68	2,182.68	2,182.68	20.74	43.53	21.95	1,605.03	8,334.64	7,553.30	7,498.32	54.99	137.369		
2,700.00	2,416.66	2,261.66	2,261.66	22.02	45.12	22.12	1,605.03	8,334.64	7,494.89	7,437.75	57.14	131.165		
2,800.00	2,495.65	2,340.65	2,340.65	23.29	46.71	22.29	1,605.03	8,334.64	7,436.52	7,377.22	59.30	125.398		
2,900.00	2,574.64	2,419.64	2,419.64	24.57	48.30	22.47	1,605.03	8,334.64	7,378.20	7,316.73	61.47	120.024		
3,000.00	2,653.63	2,498.63	2,498.63	25.85	49.88	22.64	1,605.03	8,334.64	7,319.93	7,256.28	63.65	115.005		
3,100.00	2,732.62	2,577.62	2,577.62	27.14	51.47	22.83	1,605.03	8,334.64	7,261.71	7,195.88	65.83	110.307		
3,200.00	2,811.61	2,656.61	2,656.61	28.42	53.06	23.01	1,605.03	8,334.64	7,203.54	7,135.52	68.02	105.902		
3,300.00	2,890.59	2,735.59	2,735.59	29.71	54.65	23.20	1,605.03	8,334.64	7,145.42	7,075.21	70.22	101.763		
3,400.00	2,969.58	2,814.58	2,814.58	31.00	56.24	23.38	1,605.03	8,334.64	7,087.36	7,014.94	72.42	97.866		
3,500.00	3,048.57	2,893.57	2,893.57	32.29	57.83	23.58	1,605.03	8,334.64	7,029.36	6,954.73	74.63	94.193		
3,600.00	3,127.56	2,972.56	2,972.56	33.58	59.42	23.77	1,605.03	8,334.64	6,971.41	6,894.57	76.84	90.724		
3,700.00	3,206.55	3,051.55	3,051.55	34.87	61.01	23.97	1,605.03	8,334.64	6,913.52	6,834.45	79.06	87.442		
3,800.00	3,285.53	3,130.53	3,130.53	36.16	62.59	24.17	1,605.03	8,334.64	6,855.69	6,774.39	81.29	84.334		
3,900.00	3,364.52	3,209.52	3,209.52	37.45	64.18	24.38	1,605.03	8,334.64	6,797.91	6,714.39	83.53	81.386		
4,000.00	3,443.51	3,288.51	3,288.51	38.74	65.77	24.59	1,605.03	8,334.64	6,740.21	6,654.44	85.77	78.586		
4,100.00	3,522.50	3,367.50	3,367.50	40.04	67.36	24.80	1,605.03	8,334.64	6,682.56	6,594.55	88.02	75.924		
4,200.00	3,601.49	3,446.49	3,446.49	41.33	68.95	25.01	1,605.03	8,334.64	6,624.99	6,534.72	90.27	73.389		
4,300.00	3,680.47	3,525.47	3,525.47	42.63	70.54	25.23	1,605.03	8,334.64	6,567.48	6,474.94	92.53	70.973		
4,400.00	3,759.46	3,604.46	3,604.46	43.92	72.13	25.45	1,605.03	8,334.64	6,510.04	6,415.24	94.80	68.668		
4,500.00	3,838.45	3,683.45	3,683.45	45.22	73.71	25.68	1,605.03	8,334.64	6,452.67	6,355.59	97.08	66.466		
4,600.00	3,917.44	3,762.44	3,762.44	46.51	75.30	25.91	1,605.03	8,334.64	6,395.38	6,296.01	99.37	64.361		
4,700.00	3,996.43	3,841.43	3,841.43	47.81	76.89	26.14	1,605.03	8,334.64	6,338.16	6,236.50	101.66	62.346		
4,800.00	4,075.42	3,920.42	3,920.42	49.10	78.48	26.38	1,605.03	8,334.64	6,281.02	6,177.06	103.96	60.417		
4,900.00	4,154.40	3,999.40	3,999.40	50.40	80.07	26.62	1,605.03	8,334.64	6,223.96	6,117.69	106.27	58.567		
5,000.00	4,233.39	4,078.39	4,078.39	51.70	81.66	26.86	1,605.03	8,334.64	6,166.98	6,058.39	108.59	56.792		
5,100.00	4,312.38	4,157.38	4,157.38	52.99	83.25	27.11	1,605.03	8,334.64	6,110.08	5,999.17	110.92	55.088		

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-20-01
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-20-01	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				
5,200.00	4,391.37	4,236.37	4,236.37	54.29	84.83	27.37	1,605.03	8,334.64	6,053.27	5,940.02	113.25	53.450				
5,300.00	4,470.36	4,315.36	4,315.36	55.59	86.42	27.62	1,605.03	8,334.64	5,996.55	5,880.96	115.60	51.875				
5,400.00	4,549.34	4,394.34	4,394.34	56.89	88.01	27.89	1,605.03	8,334.64	5,939.93	5,821.98	117.95	50.360				
5,500.00	4,628.33	4,473.33	4,473.33	58.18	89.60	28.16	1,605.03	8,334.64	5,883.39	5,763.08	120.31	48.901				
5,600.00	4,707.32	4,552.32	4,552.32	59.48	91.19	28.43	1,605.03	8,334.64	5,826.95	5,704.27	122.69	47.495				
5,700.00	4,786.31	4,631.31	4,631.31	60.78	92.78	28.70	1,605.03	8,334.64	5,770.62	5,645.55	125.07	46.139				
5,800.00	4,865.30	4,710.30	4,710.30	62.08	94.37	28.99	1,605.03	8,334.64	5,714.38	5,586.92	127.47	44.831				
5,900.00	4,944.28	4,789.28	4,789.28	63.38	95.95	29.27	1,605.03	8,334.64	5,658.25	5,528.38	129.87	43.568				
6,000.00	5,023.27	4,868.27	4,868.27	64.68	97.54	29.57	1,605.03	8,334.64	5,602.23	5,469.94	132.29	42.349				
6,100.00	5,102.26	4,947.26	4,947.26	65.97	99.13	29.86	1,605.03	8,334.64	5,546.32	5,411.61	134.72	41.170				
6,200.00	5,181.25	5,026.25	5,026.25	67.27	100.72	30.17	1,605.03	8,334.64	5,490.53	5,353.38	137.16	40.031				
6,300.00	5,260.24	5,105.24	5,105.24	68.57	102.31	30.48	1,605.03	8,334.64	5,434.86	5,295.25	139.61	38.929				
6,400.00	5,339.23	5,184.23	5,184.23	69.87	103.90	30.79	1,605.03	8,334.64	5,379.31	5,237.24	142.07	37.863				
6,500.00	5,418.21	5,263.21	5,263.21	71.17	105.48	31.11	1,605.03	8,334.64	5,323.89	5,179.33	144.55	36.830				
6,600.00	5,497.20	5,342.20	5,342.20	72.47	107.07	31.44	1,605.03	8,334.64	5,268.59	5,121.55	147.04	35.830				
6,700.00	5,576.19	5,421.19	5,421.19	73.77	108.66	31.77	1,605.03	8,334.64	5,213.44	5,063.89	149.55	34.861				
6,800.00	5,655.18	5,500.18	5,500.18	75.07	110.25	32.11	1,605.03	8,334.64	5,158.42	5,006.35	152.07	33.921				
6,900.00	5,734.17	5,579.17	5,579.17	76.37	111.84	32.45	1,605.03	8,334.64	5,103.55	4,948.94	154.60	33.010				
7,000.00	5,813.15	5,658.15	5,658.15	77.67	113.43	32.81	1,605.03	8,334.64	5,048.82	4,891.67	157.15	32.127				
7,100.00	5,892.14	5,737.14	5,737.14	78.97	115.02	33.17	1,605.03	8,334.64	4,994.25	4,834.53	159.72	31.269				
7,200.00	5,971.13	5,816.13	5,816.13	80.27	116.60	33.53	1,605.03	8,334.64	4,939.83	4,777.53	162.30	30.436				
7,300.00	6,050.12	5,895.12	5,895.12	81.57	118.19	33.90	1,605.03	8,334.64	4,885.58	4,720.68	164.90	29.628				
7,400.00	6,129.11	5,974.11	5,974.11	82.86	119.78	34.29	1,605.03	8,334.64	4,831.50	4,663.99	167.52	28.842				
7,500.00	6,208.09	6,053.09	6,053.09	84.16	121.37	34.67	1,605.03	8,334.64	4,777.60	4,607.45	170.15	28.079				
7,600.00	6,287.08	6,132.08	6,132.08	85.46	122.96	35.07	1,605.03	8,334.64	4,723.87	4,551.07	172.80	27.337				
7,700.00	6,366.07	6,211.07	6,211.07	86.76	124.55	35.47	1,605.03	8,334.64	4,670.33	4,494.86	175.47	26.616				
7,800.00	6,445.06	6,290.06	6,290.06	88.06	126.14	35.89	1,605.03	8,334.64	4,616.99	4,438.83	178.16	25.915				
7,900.00	6,524.05	6,369.05	6,369.05	89.36	127.72	36.31	1,605.03	8,334.64	4,563.85	4,382.98	180.87	25.233				
8,000.00	6,603.03	6,448.03	6,448.03	90.66	129.31	36.74	1,605.03	8,334.64	4,510.91	4,327.31	183.60	24.569				
8,100.00	6,682.02	6,527.02	6,527.02	91.96	130.90	37.17	1,605.03	8,334.64	4,458.19	4,271.84	186.35	23.924				
8,133.44	6,708.44	6,553.44	6,553.44	92.40	131.43	37.32	1,605.03	8,334.64	4,440.61	4,253.33	187.28	23.712				
8,150.00	6,721.39	6,566.39	6,566.39	92.62	131.69	36.39	1,605.03	8,334.64	4,431.71	4,243.98	187.73	23.607				
8,200.00	6,758.90	6,603.90	6,603.90	93.34	132.45	34.12	1,605.03	8,334.64	4,402.50	4,213.42	189.08	23.284				
8,250.00	6,793.76	6,638.76	6,638.76	94.13	133.15	32.55	1,605.03	8,334.64	4,369.92	4,179.55	190.37	22.955				
8,300.00	6,825.72	6,670.72	6,670.72	95.00	133.79	31.61	1,605.03	8,334.64	4,334.23	4,142.64	191.59	22.623				
8,350.00	6,854.52	6,699.52	6,699.52	95.93	134.37	31.25	1,605.03	8,334.64	4,295.69	4,102.97	192.72	22.289				
8,400.00	6,879.97	6,724.97	6,724.97	96.92	134.88	31.49	1,605.03	8,334.64	4,254.59	4,060.83	193.76	21.958				
8,450.00	6,901.84	6,746.84	6,746.84	97.95	135.32	32.47	1,605.03	8,334.64	4,211.23	4,016.53	194.70	21.630				
8,500.00	6,920.00	6,765.00	6,765.00	99.02	135.69	34.45	1,605.03	8,334.64	4,165.92	3,970.41	195.52	21.307				
8,550.00	6,934.28	6,779.28	6,779.28	100.12	135.97	38.03	1,605.03	8,334.64	4,119.02	3,922.81	196.21	20.993				
8,600.00	6,944.59	6,789.59	6,789.59	101.22	136.18	44.64	1,605.03	8,334.64	4,070.87	3,874.10	196.77	20.688				
8,650.00	6,950.84	6,795.84	6,795.84	102.33	136.31	58.19	1,605.03	8,334.64	4,021.83	3,824.63	197.20	20.395				
8,701.16	6,953.00	6,798.00	6,798.00	103.44	136.35	90.00	1,605.03	8,334.64	3,971.10	3,773.61	197.49	20.108				
8,800.00	6,953.00	6,798.00	6,798.00	105.59	136.35	90.00	1,605.03	8,334.64	3,872.84	3,674.93	197.91	19.569				
8,900.00	6,953.00	6,798.00	6,798.00	107.79	136.35	90.00	1,605.03	8,334.64	3,773.46	3,575.10	198.36	19.024				
9,000.00	6,953.00	6,798.00	6,798.00	110.02	136.35	90.00	1,605.03	8,334.64	3,674.11	3,475.28	198.83	18.479				
9,100.00	6,953.00	6,798.00	6,798.00	112.26	136.35	90.00	1,605.03	8,334.64	3,574.80	3,375.47	199.33	17.934				
9,200.00	6,953.00	6,798.00	6,798.00	114.52	136.35	90.00	1,605.03	8,334.64	3,475.52	3,275.67	199.86	17.390				
9,300.00	6,953.00	6,798.00	6,798.00	116.80	136.35	90.00	1,605.03	8,334.64	3,376.29	3,175.88	200.42	16.846				
9,400.00	6,953.00	6,798.00	6,798.00	119.10	136.35	90.00	1,605.03	8,334.64	3,277.11	3,076.10	201.01	16.303				
9,500.00	6,953.00	6,798.00	6,798.00	121.42	136.35	90.00	1,605.03	8,334.64	3,177.98	2,976.33	201.65	15.760				
9,600.00	6,953.00	6,798.00	6,798.00	123.75	136.35	90.00	1,605.03	8,334.64	3,078.90	2,876.58	202.32	15.218				

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-20-01
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-20-01	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			
9,700.00	6,953.00	6,798.00	6,798.00	126.10	136.35	90.00	1,605.03	8,334.64	2,979.89	2,776.84	203.05	14.676			
9,800.00	6,953.00	6,798.00	6,798.00	128.46	136.35	90.00	1,605.03	8,334.64	2,880.94	2,677.12	203.82	14.135			
9,900.00	6,953.00	6,798.00	6,798.00	130.84	136.35	90.00	1,605.03	8,334.64	2,782.07	2,577.42	204.65	13.594			
10,000.00	6,953.00	6,798.00	6,798.00	133.23	136.35	90.00	1,605.03	8,334.64	2,683.28	2,477.74	205.54	13.054			
10,100.00	6,953.00	6,798.00	6,798.00	135.63	136.35	90.00	1,605.03	8,334.64	2,584.59	2,378.08	206.51	12.516			
10,200.00	6,953.00	6,798.00	6,798.00	138.04	136.35	90.00	1,605.03	8,334.64	2,486.00	2,278.45	207.55	11.978			
10,300.00	6,953.00	6,798.00	6,798.00	140.46	136.35	90.00	1,605.03	8,334.64	2,387.53	2,178.84	208.68	11.441			
10,400.00	6,953.00	6,798.00	6,798.00	142.90	136.35	90.00	1,605.03	8,334.64	2,289.19	2,079.27	209.91	10.905			
10,500.00	6,953.00	6,798.00	6,798.00	145.34	136.35	90.00	1,605.03	8,334.64	2,191.00	1,979.74	211.26	10.371			
10,600.00	6,953.00	6,798.00	6,798.00	147.80	136.35	90.00	1,605.03	8,334.64	2,092.98	1,880.25	212.73	9.839			
10,700.00	6,953.00	6,798.00	6,798.00	150.26	136.35	90.00	1,605.03	8,334.64	1,995.16	1,780.81	214.35	9.308			
10,800.00	6,953.00	6,798.00	6,798.00	152.73	136.35	90.00	1,605.03	8,334.64	1,897.56	1,681.42	216.14	8.779			
10,900.00	6,953.00	6,798.00	6,798.00	155.21	136.35	90.00	1,605.03	8,334.64	1,800.23	1,582.11	218.12	8.253			
11,000.00	6,953.00	6,798.00	6,798.00	157.70	136.35	90.00	1,605.03	8,334.64	1,703.21	1,482.88	220.33	7.730			
11,100.00	6,953.00	6,798.00	6,798.00	160.20	136.35	90.00	1,605.03	8,334.64	1,606.55	1,383.74	222.81	7.210			
11,200.00	6,953.00	6,798.00	6,798.00	162.70	136.35	90.00	1,605.03	8,334.64	1,510.33	1,284.72	225.61	6.695			
11,300.00	6,953.00	6,798.00	6,798.00	165.21	136.35	90.00	1,605.03	8,334.64	1,414.64	1,185.86	228.77	6.184			
11,400.00	6,953.00	6,798.00	6,798.00	167.73	136.35	90.00	1,605.03	8,334.64	1,319.58	1,087.19	232.39	5.678			
11,500.00	6,953.00	6,798.00	6,798.00	170.25	136.35	90.00	1,605.03	8,334.64	1,225.31	988.77	236.54	5.180			
11,600.00	6,953.00	6,798.00	6,798.00	172.78	136.35	90.00	1,605.03	8,334.64	1,132.02	890.69	241.33	4.691			
11,700.00	6,953.00	6,798.00	6,798.00	175.31	136.35	90.00	1,605.03	8,334.64	1,039.98	793.07	246.91	4.212			
11,800.00	6,953.00	6,798.00	6,798.00	177.85	136.35	90.00	1,605.03	8,334.64	949.55	696.11	253.44	3.747			
11,900.00	6,953.00	6,798.00	6,798.00	180.40	136.35	90.00	1,605.03	8,334.64	861.25	600.11	261.13	3.298			
12,000.00	6,953.00	6,798.00	6,798.00	182.95	136.35	90.00	1,605.03	8,334.64	775.78	505.59	270.19	2.871			
12,100.00	6,953.00	6,798.00	6,798.00	185.50	136.35	90.00	1,605.03	8,334.64	694.21	413.39	280.81	2.472			
12,200.00	6,953.00	6,798.00	6,798.00	188.06	136.35	90.00	1,605.03	8,334.64	618.08	325.03	293.04	2.109			
12,300.00	6,953.00	6,798.00	6,798.00	190.63	136.35	90.00	1,605.03	8,334.64	549.64	243.14	306.51	1.793			
12,400.00	6,953.00	6,798.00	6,798.00	193.20	136.35	90.00	1,605.03	8,334.64	492.14	172.23	319.91	1.538			
12,500.00	6,953.00	6,798.00	6,798.00	195.77	136.35	90.00	1,605.03	8,334.64	449.77	119.34	330.43	1.361	Level 3	1.277 Level 3, CC, ES, SF	
12,600.00	6,953.00	6,798.00	6,798.00	198.35	136.35	90.00	1,605.03	8,334.64	427.06	93.07	334.00	1.279	Level 3		
12,649.54	6,953.00	6,798.00	6,798.00	199.62	136.35	90.00	1,605.03	8,334.64	424.18	92.05	332.13	1.277	Level 3		
12,700.00	6,953.00	6,798.00	6,798.00	200.93	136.35	90.00	1,605.03	8,334.64	427.17	99.54	327.63	1.304	Level 3		
12,800.00	6,953.00	6,798.00	6,798.00	203.51	136.35	90.00	1,605.03	8,334.64	450.07	137.72	312.35	1.441	Level 3	1.277 Level 3, CC, ES, SF	
12,900.00	6,953.00	6,798.00	6,798.00	206.10	136.35	90.00	1,605.03	8,334.64	492.60	200.06	292.55	1.684			
13,000.00	6,953.00	6,798.00	6,798.00	208.69	136.35	90.00	1,605.03	8,334.64	550.23	277.72	272.51	2.019			
13,100.00	6,953.00	6,798.00	6,798.00	211.29	136.35	90.00	1,605.03	8,334.64	618.74	364.15	254.59	2.430			
13,200.00	6,953.00	6,798.00	6,798.00	213.88	136.35	90.00	1,605.03	8,334.64	694.93	455.42	239.52	2.901			
13,300.00	6,953.00	6,798.00	6,798.00	216.48	136.35	90.00	1,605.03	8,334.64	776.55	549.36	227.19	3.418			
13,400.00	6,953.00	6,798.00	6,798.00	219.09	136.35	90.00	1,605.03	8,334.64	862.04	644.82	217.22	3.969			
13,500.00	6,953.00	6,798.00	6,798.00	221.69	136.35	90.00	1,605.03	8,334.64	950.37	741.18	209.19	4.543			
13,600.00	6,953.00	6,798.00	6,798.00	224.30	136.35	90.00	1,605.03	8,334.64	1,040.82	838.09	202.73	5.134			
13,700.00	6,953.00	6,798.00	6,798.00	226.92	136.35	90.00	1,605.03	8,334.64	1,132.87	935.34	197.53	5.735			
13,800.00	6,953.00	6,798.00	6,798.00	229.53	136.35	90.00	1,605.03	8,334.64	1,226.17	1,032.83	193.34	6.342			
13,900.00	6,953.00	6,798.00	6,798.00	232.15	136.35	90.00	1,605.03	8,334.64	1,320.44	1,130.48	189.97	6.951			
14,000.00	6,953.00	6,798.00	6,798.00	234.77	136.35	90.00	1,605.03	8,334.64	1,415.51	1,228.25	187.25	7.559			
14,100.00	6,953.00	6,798.00	6,798.00	237.39	136.35	90.00	1,605.03	8,334.64	1,511.21	1,326.14	185.07	8.165			
14,200.00	6,953.00	6,798.00	6,798.00	240.01	136.35	90.00	1,605.03	8,334.64	1,607.44	1,424.11	183.33	8.768			
14,300.00	6,953.00	6,798.00	6,798.00	242.64	136.35	90.00	1,605.03	8,334.64	1,704.10	1,522.16	181.93	9.367			
14,400.00	6,953.00	6,798.00	6,798.00	245.27	136.35	90.00	1,605.03	8,334.64	1,801.12	1,620.29	180.83	9.961			
14,500.00	6,953.00	6,798.00	6,798.00	247.90	136.35	90.00	1,605.03	8,334.64	1,898.45	1,718.50	179.95	10.550			
14,600.00	6,953.00	6,798.00	6,798.00	250.53	136.35	90.00	1,605.03	8,334.64	1,996.05	1,816.78	179.27	11.135			
14,700.00	6,953.00	6,798.00	6,798.00	253.16	136.35	90.00	1,605.03	8,334.64	2,093.87	1,915.14	178.74	11.715			

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-20-01
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-20-01	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	
14,800.00	6,953.00	6,798.00	6,798.00	255.80	136.35	90.00	1,605.03	8,334.64	2,191.89	2,013.56	178.33	12.291	
14,900.00	6,953.00	6,798.00	6,798.00	258.43	136.35	90.00	1,605.03	8,334.64	2,290.09	2,112.05	178.04	12.863	
15,000.00	6,953.00	6,798.00	6,798.00	261.07	136.35	90.00	1,605.03	8,334.64	2,388.43	2,210.60	177.82	13.431	
15,100.00	6,953.00	6,798.00	6,798.00	263.71	136.35	90.00	1,605.03	8,334.64	2,486.90	2,309.22	177.68	13.997	
15,200.00	6,953.00	6,798.00	6,798.00	266.36	136.35	90.00	1,605.03	8,334.64	2,585.49	2,407.90	177.59	14.559	
15,300.00	6,953.00	6,798.00	6,798.00	269.00	136.35	90.00	1,605.03	8,334.64	2,684.19	2,506.63	177.55	15.118	
15,400.00	6,953.00	6,798.00	6,798.00	271.65	136.35	90.00	1,605.03	8,334.64	2,782.97	2,605.42	177.55	15.674	
15,500.00	6,953.00	6,798.00	6,798.00	274.29	136.35	90.00	1,605.03	8,334.64	2,881.85	2,704.26	177.58	16.228	
15,600.00	6,953.00	6,798.00	6,798.00	276.94	136.35	90.00	1,605.03	8,334.64	2,980.79	2,803.16	177.64	16.780	
15,700.00	6,953.00	6,798.00	6,798.00	279.59	136.35	90.00	1,605.03	8,334.64	3,079.81	2,902.09	177.72	17.330	
15,800.00	6,953.00	6,798.00	6,798.00	282.24	136.35	90.00	1,605.03	8,334.64	3,178.89	3,001.08	177.81	17.878	
15,900.00	6,953.00	6,798.00	6,798.00	284.90	136.35	90.00	1,605.03	8,334.64	3,278.02	3,100.10	177.92	18.424	
16,000.00	6,953.00	6,798.00	6,798.00	287.55	136.35	90.00	1,605.03	8,334.64	3,377.20	3,199.16	178.04	18.969	
16,100.00	6,953.00	6,798.00	6,798.00	290.20	136.35	90.00	1,605.03	8,334.64	3,476.43	3,298.26	178.17	19.512	
16,200.00	6,953.00	6,798.00	6,798.00	292.86	136.35	90.00	1,605.03	8,334.64	3,575.71	3,397.40	178.31	20.054	
16,300.00	6,953.00	6,798.00	6,798.00	295.52	136.35	90.00	1,605.03	8,334.64	3,675.02	3,496.57	178.45	20.594	
16,400.00	6,953.00	6,798.00	6,798.00	298.18	136.35	90.00	1,605.03	8,334.64	3,774.37	3,595.77	178.60	21.133	
16,500.00	6,953.00	6,798.00	6,798.00	300.84	136.35	90.00	1,605.03	8,334.64	3,873.75	3,695.00	178.75	21.672	
16,600.00	6,953.00	6,798.00	6,798.00	303.50	136.35	90.00	1,605.03	8,334.64	3,973.17	3,794.26	178.90	22.209	
16,700.00	6,953.00	6,798.00	6,798.00	306.16	136.35	90.00	1,605.03	8,334.64	4,072.61	3,893.55	179.06	22.745	
16,800.00	6,953.00	6,798.00	6,798.00	308.82	136.35	90.00	1,605.03	8,334.64	4,172.08	3,992.86	179.22	23.280	
16,900.00	6,953.00	6,798.00	6,798.00	311.49	136.35	90.00	1,605.03	8,334.64	4,271.57	4,092.20	179.38	23.814	
17,000.00	6,953.00	6,798.00	6,798.00	314.15	136.35	90.00	1,605.03	8,334.64	4,371.09	4,191.55	179.53	24.347	
17,100.00	6,953.00	6,798.00	6,798.00	316.82	136.35	90.00	1,605.03	8,334.64	4,470.63	4,290.93	179.69	24.879	
17,200.00	6,953.00	6,798.00	6,798.00	319.48	136.35	90.00	1,605.03	8,334.64	4,570.19	4,390.33	179.85	25.411	
17,300.00	6,953.00	6,798.00	6,798.00	322.15	136.35	90.00	1,605.03	8,334.64	4,669.76	4,489.75	180.01	25.941	
17,400.00	6,953.00	6,798.00	6,798.00	324.82	136.35	90.00	1,605.03	8,334.64	4,769.36	4,589.19	180.17	26.471	
17,500.00	6,953.00	6,798.00	6,798.00	327.49	136.35	90.00	1,605.03	8,334.64	4,868.97	4,688.64	180.33	27.000	
17,600.00	6,953.00	6,798.00	6,798.00	330.16	136.35	90.00	1,605.03	8,334.64	4,968.60	4,788.11	180.49	27.529	
17,700.00	6,953.00	6,798.00	6,798.00	332.83	136.35	90.00	1,605.03	8,334.64	5,068.24	4,887.60	180.64	28.057	
17,800.00	6,953.00	6,798.00	6,798.00	335.50	136.35	90.00	1,605.03	8,334.64	5,167.90	4,987.10	180.80	28.584	
17,900.00	6,953.00	6,798.00	6,798.00	338.17	136.35	90.00	1,605.03	8,334.64	5,267.56	5,086.61	180.95	29.110	
18,000.00	6,953.00	6,798.00	6,798.00	340.85	136.35	90.00	1,605.03	8,334.64	5,367.25	5,186.14	181.11	29.636	
18,100.00	6,953.00	6,798.00	6,798.00	343.52	136.35	90.00	1,605.03	8,334.64	5,466.94	5,285.68	181.26	30.161	
18,200.00	6,953.00	6,798.00	6,798.00	346.19	136.35	90.00	1,605.03	8,334.64	5,566.64	5,385.23	181.41	30.686	
18,300.00	6,953.00	6,798.00	6,798.00	348.87	136.35	90.00	1,605.03	8,334.64	5,666.36	5,484.80	181.56	31.209	
18,400.00	6,953.00	6,798.00	6,798.00	351.55	136.35	90.00	1,605.03	8,334.64	5,766.08	5,584.37	181.71	31.733	
18,500.00	6,953.00	6,798.00	6,798.00	354.22	136.35	90.00	1,605.03	8,334.64	5,865.82	5,683.96	181.86	32.255	
18,600.00	6,953.00	6,798.00	6,798.00	356.90	136.35	90.00	1,605.03	8,334.64	5,965.56	5,783.56	182.00	32.778	
18,700.00	6,953.00	6,798.00	6,798.00	359.58	136.35	90.00	1,605.03	8,334.64	6,065.31	5,883.16	182.15	33.299	
18,800.00	6,953.00	6,798.00	6,798.00	362.26	136.35	90.00	1,605.03	8,334.64	6,165.07	5,982.78	182.29	33.820	
18,900.00	6,953.00	6,798.00	6,798.00	364.94	136.35	90.00	1,605.03	8,334.64	6,264.83	6,082.40	182.43	34.340	
19,000.00	6,953.00	6,798.00	6,798.00	367.62	136.35	90.00	1,605.03	8,334.64	6,364.61	6,182.03	182.58	34.860	
19,073.74	6,953.00	6,798.00	6,798.00	369.59	136.35	90.00	1,605.03	8,334.64	6,438.19	6,255.51	182.68	35.243	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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	
100.00	100.00	0.00	0.00	0.27	0.00	74.94	1,656.12	6,154.66	6,373.61	6,373.34	0.27	N/A	
200.00	199.98	91.43	91.43	0.63	0.15	11.51	1,656.24	6,154.55	6,371.81	6,371.03	0.78	8,194.181	
300.00	299.84	193.71	193.71	0.99	0.36	11.53	1,656.69	6,154.18	6,366.44	6,365.09	1.35	4,700.965	
400.00	399.45	270.77	270.77	1.36	0.64	11.58	1,657.14	6,154.04	6,357.88	6,355.88	1.99	3,188.115	
500.00	498.70	379.28	379.28	1.76	1.02	11.64	1,657.69	6,154.13	6,346.16	6,343.42	2.74	2,312.726	
600.00	597.47	506.79	506.79	2.18	1.46	11.75	1,657.33	6,153.84	6,330.52	6,326.96	3.56	1,779.050	
700.00	695.62	614.88	614.87	2.63	1.83	11.87	1,656.74	6,153.42	6,311.33	6,307.02	4.31	1,464.019	
800.00	793.06	719.48	719.47	3.11	2.20	12.01	1,656.64	6,152.71	6,288.64	6,283.57	5.06	1,242.347	
900.00	889.64	875.23	875.17	3.64	2.76	12.18	1,659.22	6,150.33	6,262.36	6,256.36	6.00	1,043.585	
1,000.00	985.27	1,529.55	1,525.74	4.22	5.21	12.22	1,698.80	6,097.35	6,227.02	6,218.25	8.77	710.067	
1,100.00	1,079.82	1,809.68	1,801.50	4.84	6.40	12.25	1,724.13	6,055.18	6,183.57	6,173.34	10.23	604.267	
1,200.00	1,173.17	1,908.57	1,898.55	5.52	6.84	12.42	1,733.54	6,038.67	6,135.98	6,124.97	11.02	557.022	
1,300.00	1,265.21	2,040.28	2,027.57	6.26	7.44	12.60	1,746.49	6,015.53	6,084.64	6,072.70	11.93	509.865	
1,400.00	1,355.84	2,122.60	2,108.22	7.06	7.82	12.84	1,754.06	6,000.89	6,030.21	6,017.55	12.66	476.235	
1,500.00	1,444.84	2,183.00	2,167.50	7.92	8.09	13.13	1,759.34	5,990.60	5,973.44	5,960.13	13.31	448.754	
1,600.00	1,532.39	2,301.44	2,283.75	8.84	8.64	13.45	1,769.46	5,970.33	5,913.88	5,899.70	14.18	417.004	
1,700.00	1,618.11	2,389.30	2,369.91	9.83	9.05	13.83	1,776.87	5,954.79	5,851.12	5,836.18	14.94	391.647	
1,800.00	1,701.97	2,460.66	2,439.89	10.89	9.38	14.25	1,782.78	5,942.15	5,785.71	5,770.07	15.64	369.976	
1,900.00	1,783.88	2,514.08	2,492.34	12.02	9.63	14.73	1,786.97	5,932.89	5,717.97	5,701.69	16.27	351.376	
1,991.28	1,856.86	2,568.00	2,545.34	13.11	9.88	15.22	1,790.94	5,923.81	5,654.22	5,637.35	16.87	335.076	
2,000.00	1,863.75	2,568.00	2,545.34	13.21	9.88	15.22	1,790.94	5,923.81	5,648.04	5,631.12	16.92	333.838	
2,100.00	1,942.74	2,638.75	2,614.92	14.45	10.21	15.27	1,796.04	5,912.03	5,577.23	5,559.62	17.61	316.723	
2,200.00	2,021.72	2,698.00	2,673.16	15.69	10.48	15.31	1,800.44	5,902.11	5,506.40	5,488.13	18.27	301.413	
2,300.00	2,100.71	2,765.22	2,739.25	16.95	10.79	15.36	1,805.54	5,890.91	5,435.65	5,416.69	18.96	286.651	
2,400.00	2,179.70	2,827.00	2,800.00	18.21	11.08	15.40	1,810.32	5,880.78	5,365.11	5,345.46	19.65	273.099	
2,500.00	2,258.69	2,879.95	2,852.10	19.47	11.32	15.44	1,814.35	5,872.26	5,294.74	5,274.44	20.31	260.755	
2,600.00	2,337.68	2,938.33	2,909.61	20.74	11.59	15.49	1,818.51	5,863.07	5,224.55	5,203.57	20.99	248.917	
2,700.00	2,416.66	2,986.68	2,957.27	22.02	11.80	15.53	1,821.82	5,855.65	5,154.59	5,132.94	21.65	238.093	
2,800.00	2,495.65	3,031.37	3,001.34	23.29	12.00	15.57	1,825.03	5,848.99	5,085.00	5,062.69	22.31	227.956	
2,900.00	2,574.64	3,083.00	3,052.28	24.57	12.24	15.61	1,828.94	5,841.54	5,015.80	4,992.81	22.99	218.164	
3,000.00	2,653.63	3,187.10	3,155.00	25.85	12.70	15.71	1,836.55	5,826.47	4,946.57	4,922.75	23.82	207.693	
3,100.00	2,732.62	3,256.78	3,223.74	27.14	13.02	15.78	1,841.32	5,816.10	4,876.95	4,852.39	24.56	198.609	
3,200.00	2,811.61	3,314.27	3,280.43	28.42	13.28	15.84	1,845.67	5,807.60	4,807.52	4,782.25	25.27	190.257	
3,300.00	2,890.59	3,377.04	3,342.31	29.71	13.56	15.89	1,850.83	5,798.39	4,738.29	4,712.29	26.00	182.239	
3,400.00	2,969.58	3,443.68	3,408.00	31.00	13.86	15.95	1,856.35	5,788.69	4,669.16	4,642.42	26.75	174.573	
3,500.00	3,048.57	3,606.41	3,568.24	32.29	14.61	16.09	1,869.92	5,763.72	4,599.64	4,571.95	27.70	166.078	
3,600.00	3,127.56	3,667.71	3,628.49	33.58	14.90	16.15	1,875.08	5,753.70	4,529.29	4,500.86	28.43	159.306	
3,700.00	3,206.55	3,725.00	3,684.80	34.87	15.17	16.20	1,879.95	5,744.35	4,458.98	4,429.82	29.16	152.894	
3,800.00	3,285.53	3,786.57	3,745.36	36.16	15.45	16.25	1,885.09	5,734.49	4,388.87	4,358.96	29.91	146.748	
3,900.00	3,364.52	3,853.00	3,810.78	37.45	15.76	16.32	1,890.41	5,724.24	4,319.09	4,288.42	30.66	140.852	
4,000.00	3,443.51	3,853.00	3,810.78	38.74	15.76	16.32	1,890.41	5,724.24	4,249.82	4,218.49	31.33	135.666	
4,100.00	3,522.50	3,911.43	3,868.48	40.04	16.02	16.39	1,895.10	5,715.87	4,180.91	4,148.83	32.08	130.313	
4,200.00	3,601.49	3,945.51	3,902.08	41.33	16.17	16.43	1,897.95	5,711.40	4,112.85	4,080.03	32.82	125.328	
4,300.00	3,680.47	3,981.00	3,937.17	42.63	16.33	16.47	1,901.01	5,707.07	4,045.49	4,011.93	33.56	120.537	
4,400.00	3,759.46	4,097.39	4,052.21	43.92	16.84	16.60	1,911.30	5,692.75	3,978.10	3,943.70	34.40	115.626	
4,500.00	3,838.45	4,184.31	4,138.01	45.22	17.23	16.70	1,919.30	5,681.30	3,910.15	3,874.94	35.21	111.041	
4,600.00	3,917.44	4,280.72	4,233.05	46.51	17.66	16.80	1,928.71	5,668.11	3,841.97	3,805.94	36.03	106.641	
4,700.00	3,996.43	4,422.35	4,372.41	47.81	18.32	16.94	1,942.60	5,647.02	3,772.99	3,736.13	36.86	102.370	
4,800.00	4,075.42	4,560.83	4,508.20	49.10	18.99	17.07	1,956.07	5,623.50	3,702.35	3,664.70	37.66	98.320	
4,900.00	4,154.40	4,648.84	4,594.38	50.40	19.42	17.17	1,964.31	5,607.63	3,631.02	3,592.58	38.43	94.472	
5,000.00	4,233.39	4,714.80	4,658.98	51.70	19.74	17.25	1,970.22	5,595.75	3,559.64	3,520.43	39.22	90.771	
5,100.00	4,312.38	4,774.26	4,717.29	52.99	20.03	17.33	1,975.27	5,585.19	3,488.38	3,448.38	40.00	87.205	

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-20-01
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-20-01	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	4,391.37	4,826.99	4,769.10	54.29	20.27	17.42	1,979.11	5,576.22	3,417.45	3,376.65	40.80	83.762		
5,300.00	4,470.36	4,884.71	4,825.96	55.59	20.55	17.54	1,982.54	5,566.90	3,346.88	3,305.27	41.61	80.441		
5,400.00	4,549.34	5,027.55	4,966.43	56.89	21.21	17.87	1,990.61	5,542.32	3,275.47	3,233.15	42.31	77.408		
5,500.00	4,628.33	5,108.56	5,045.94	58.18	21.60	18.07	1,995.05	5,527.44	3,203.34	3,160.26	43.09	74.349		
5,600.00	4,707.32	5,176.58	5,112.69	59.48	21.93	18.24	1,998.62	5,514.83	3,131.07	3,087.19	43.88	71.352		
5,700.00	4,786.31	5,239.12	5,174.04	60.78	22.23	18.40	2,002.32	5,503.25	3,058.94	3,014.25	44.69	68.442		
5,800.00	4,865.30	5,298.80	5,232.56	62.08	22.51	18.55	2,006.20	5,492.26	2,986.98	2,941.46	45.52	65.618		
5,900.00	4,944.28	5,356.94	5,289.62	63.38	22.79	18.70	2,010.06	5,481.76	2,915.30	2,868.94	46.36	62.880		
6,000.00	5,023.27	5,420.32	5,351.85	64.68	23.10	18.87	2,014.35	5,470.52	2,843.87	2,796.67	47.20	60.248		
6,100.00	5,102.26	5,490.54	5,420.77	65.97	23.44	19.06	2,019.39	5,458.04	2,772.49	2,724.46	48.03	57.725		
6,200.00	5,181.25	5,552.38	5,481.43	67.27	23.73	19.22	2,024.12	5,447.02	2,701.18	2,652.29	48.89	55.248		
6,300.00	5,260.24	5,609.00	5,536.97	68.57	24.01	19.37	2,028.87	5,437.12	2,630.21	2,580.43	49.78	52.832		
6,400.00	5,339.23	5,671.57	5,598.35	69.87	24.31	19.53	2,034.56	5,426.39	2,559.59	2,508.93	50.66	50.520		
6,500.00	5,418.21	5,744.72	5,670.14	71.17	24.67	19.73	2,041.06	5,413.89	2,489.00	2,437.49	51.51	48.319		
6,600.00	5,497.20	5,809.13	5,733.38	72.47	24.97	19.92	2,046.50	5,402.95	2,418.43	2,366.03	52.41	46.146		
6,700.00	5,576.19	5,867.50	5,790.78	73.77	25.25	20.13	2,051.05	5,393.38	2,348.21	2,294.86	53.35	44.012		
6,800.00	5,655.18	5,926.96	5,849.34	75.07	25.53	20.36	2,055.37	5,384.01	2,278.38	2,224.06	54.32	41.945		
6,900.00	5,734.17	5,987.97	5,909.43	76.37	25.81	20.60	2,060.06	5,374.63	2,208.92	2,153.63	55.29	39.950		
7,000.00	5,813.15	6,051.34	5,971.86	77.67	26.10	20.85	2,065.35	5,365.12	2,139.82	2,083.55	56.27	38.029		
7,100.00	5,892.14	6,119.81	6,039.32	78.97	26.42	21.12	2,071.30	5,354.96	2,070.93	2,013.70	57.23	36.186		
7,200.00	5,971.13	6,196.72	6,115.08	80.27	26.77	21.45	2,078.10	5,343.59	2,002.13	1,943.98	58.15	34.432		
7,300.00	6,050.12	6,284.89	6,201.89	81.57	27.18	21.88	2,085.49	5,330.04	1,932.89	1,873.90	58.99	32.767		
7,400.00	6,129.11	6,353.08	6,268.98	82.86	27.50	22.23	2,091.17	5,319.33	1,863.43	1,803.42	60.00	31.055		
7,500.00	6,208.09	6,420.74	6,335.55	84.16	27.82	22.59	2,097.21	5,308.78	1,794.17	1,733.12	61.04	29.391		
7,600.00	6,287.08	6,489.78	6,403.44	85.46	28.14	22.96	2,103.73	5,298.08	1,725.08	1,662.98	62.10	27.781		
7,700.00	6,366.07	6,565.26	6,477.63	86.76	28.50	23.39	2,111.20	5,286.41	1,656.12	1,593.02	63.10	26.247		
7,800.00	6,445.06	6,662.89	6,573.54	88.06	28.96	24.04	2,120.02	5,270.40	1,586.44	1,522.58	63.86	24.842		
7,900.00	6,524.05	6,732.86	6,642.25	89.36	29.30	24.59	2,125.61	5,258.41	1,516.20	1,451.21	64.99	23.329		
8,000.00	6,603.03	6,802.00	6,710.20	90.66	29.63	25.20	2,130.81	5,246.76	1,446.19	1,380.01	66.19	21.850		
8,100.00	6,682.02	6,861.28	6,768.52	91.96	29.91	25.78	2,135.15	5,237.05	1,376.59	1,309.00	67.59	20.367		
8,133.44	6,708.44	6,881.90	6,788.82	92.40	30.00	26.00	2,136.67	5,233.77	1,353.45	1,285.39	68.06	19.885		
8,150.00	6,721.39	6,892.01	6,798.77	92.62	30.05	24.82	2,137.42	5,232.17	1,341.85	1,273.55	68.30	19.646		
8,200.00	6,758.90	6,920.92	6,827.25	93.34	30.18	21.66	2,139.57	5,227.68	1,304.91	1,235.94	68.98	18.918		
8,250.00	6,793.76	6,930.00	6,836.20	94.13	30.23	18.72	2,140.25	5,226.28	1,265.45	1,195.58	69.87	18.111		
8,300.00	6,825.72	6,962.27	6,868.03	95.00	30.37	16.29	2,142.58	5,221.54	1,223.48	1,153.19	70.29	17.407		
8,350.00	6,854.52	6,978.84	6,884.40	95.93	30.44	13.67	2,143.71	5,219.25	1,179.57	1,108.74	70.83	16.654		
8,400.00	6,879.97	6,993.10	6,898.51	96.92	30.50	10.70	2,144.65	5,217.37	1,133.89	1,062.62	71.27	15.909		
8,450.00	6,901.84	7,004.91	6,910.19	97.95	30.55	6.77	2,145.41	5,215.87	1,086.72	1,015.12	71.60	15.178		
8,500.00	6,920.00	7,014.09	6,919.28	99.02	30.59	0.46	2,145.99	5,214.74	1,038.37	966.57	71.80	14.462		
8,550.00	6,934.28	7,020.48	6,925.62	100.12	30.62	-12.62	2,146.38	5,213.97	989.17	917.31	71.86	13.765		
8,600.00	6,944.59	7,023.93	6,929.04	101.22	30.63	-48.41	2,146.59	5,213.56	939.47	867.71	71.76	13.092		
8,650.00	6,950.84	7,024.30	6,929.40	102.33	30.64	-105.09	2,146.61	5,213.51	889.65	818.17	71.48	12.445		
8,701.16	6,953.00	7,021.34	6,926.47	103.44	30.62	-129.89	2,146.43	5,213.86	838.96	767.95	71.01	11.815		
8,800.00	6,953.00	7,012.02	6,917.23	105.59	30.58	-127.09	2,145.86	5,214.99	741.71	671.93	69.78	10.629		
8,900.00	6,953.00	7,002.01	6,907.32	107.79	30.54	-123.82	2,145.23	5,216.23	643.63	575.35	68.29	9.425		
9,000.00	6,953.00	6,991.36	6,896.79	110.02	30.49	-120.00	2,144.54	5,217.60	546.01	479.54	66.47	8.214		
9,100.00	6,953.00	6,980.03	6,885.58	112.26	30.44	-115.52	2,143.79	5,219.09	449.12	384.77	64.34	6.980		
9,200.00	6,953.00	6,967.93	6,873.62	114.52	30.39	-110.28	2,142.97	5,220.75	353.51	291.21	62.30	5.675		
9,300.00	6,953.00	6,954.99	6,860.84	116.80	30.34	-104.17	2,142.06	5,222.57	260.55	197.71	62.83	4.147		
9,400.00	6,953.00	6,941.12	6,847.16	119.10	30.28	-97.12	2,141.07	5,224.60	174.40	97.50	76.90	2.268		
9,500.00	6,953.00	6,926.24	6,832.49	121.42	30.21	-89.17	2,139.97	5,226.86	111.87	-12.77	124.64	0.898 Level 1		
9,541.63	6,953.00	6,919.85	6,826.20	122.39	30.18	-85.70	2,139.49	5,227.84	104.03	-41.15	145.19	0.717 Level 1, CC, 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-20-01
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-20-01	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		
9,600.00	6,953.00	6,910.80	6,817.28	123.75	30.14	-80.78	2,138.82	5,229.24	118.95	-29.30	148.25	0.802	Level 1	
9,700.00	6,953.00	6,895.02	6,801.74	126.10	30.06	-72.43	2,137.65	5,231.70	187.88	61.96	125.92	1.492	Level 3	
9,800.00	6,953.00	6,878.88	6,785.85	128.46	29.99	-64.45	2,136.45	5,234.25	275.58	164.64	110.94	2.484		
9,900.00	6,953.00	6,862.38	6,769.60	130.84	29.91	-57.09	2,135.23	5,236.88	368.88	266.43	102.46	3.600		
10,000.00	6,953.00	6,845.50	6,752.99	133.23	29.83	-50.50	2,133.99	5,239.60	464.40	367.20	97.20	4.778		
10,100.00	6,953.00	6,828.22	6,735.99	135.63	29.75	-44.70	2,132.72	5,242.42	560.99	467.34	93.65	5.991		
10,200.00	6,953.00	6,810.54	6,718.60	138.04	29.67	-39.67	2,131.43	5,245.34	658.16	567.08	91.08	7.226		
10,300.00	6,953.00	6,792.86	6,701.21	140.46	29.59	-35.42	2,130.14	5,248.29	755.68	666.54	89.14	8.477		
10,400.00	6,953.00	6,775.33	6,683.98	142.90	29.50	-31.83	2,128.84	5,251.23	853.43	765.80	87.62	9.740		
10,500.00	6,953.00	6,757.65	6,666.60	145.34	29.42	-28.74	2,127.51	5,254.21	951.33	864.94	86.39	11.012		
10,600.00	6,953.00	6,739.81	6,649.07	147.80	29.33	-26.06	2,126.14	5,257.23	1,049.34	963.98	85.36	12.293		
10,700.00	6,953.00	6,721.80	6,631.38	150.26	29.25	-23.73	2,124.75	5,260.30	1,147.43	1,062.95	84.48	13.582		
10,800.00	6,953.00	6,703.63	6,613.54	152.73	29.16	-21.68	2,123.31	5,263.40	1,245.58	1,161.86	83.72	14.878		
10,900.00	6,953.00	6,685.29	6,595.53	155.21	29.07	-19.87	2,121.84	5,266.55	1,343.77	1,260.72	83.05	16.181		
11,000.00	6,953.00	6,667.00	6,583.46	157.70	29.01	-18.78	2,120.85	5,268.66	1,442.00	1,359.39	82.61	17.455		
11,100.00	6,953.00	6,653.94	6,564.75	160.20	28.92	-17.25	2,119.27	5,271.93	1,540.27	1,458.22	82.05	18.773		
11,200.00	6,953.00	6,640.06	6,551.12	162.70	28.86	-16.25	2,118.08	5,274.27	1,638.61	1,556.94	81.66	20.065		
11,300.00	6,953.00	6,626.50	6,537.80	165.21	28.79	-15.34	2,116.89	5,276.53	1,737.01	1,655.69	81.32	21.360		
11,400.00	6,953.00	6,613.25	6,524.79	167.73	28.73	-14.52	2,115.71	5,278.71	1,835.45	1,754.44	81.01	22.657		
11,500.00	6,953.00	6,600.31	6,512.07	170.25	28.67	-13.77	2,114.53	5,280.82	1,933.95	1,853.22	80.73	23.955		
11,600.00	6,953.00	6,587.65	6,499.64	172.78	28.61	-13.08	2,113.34	5,282.86	2,032.49	1,952.02	80.48	25.255		
11,700.00	6,953.00	6,575.28	6,487.49	175.31	28.55	-12.46	2,112.17	5,284.83	2,131.08	2,050.83	80.25	26.557		
11,800.00	6,953.00	6,563.19	6,475.60	177.85	28.49	-11.88	2,110.99	5,286.74	2,229.70	2,149.67	80.03	27.859		
11,900.00	6,953.00	6,545.00	6,457.72	180.40	28.40	-11.06	2,109.19	5,288.56	2,328.37	2,248.66	79.71	29.211		
12,000.00	6,953.00	6,537.87	6,450.72	182.95	28.37	-10.76	2,108.47	5,290.66	2,427.05	2,347.43	79.62	30.482		
12,100.00	6,953.00	6,522.11	6,435.23	185.50	28.29	-10.14	2,106.90	5,293.09	2,525.76	2,446.39	79.37	31.822		
12,200.00	6,953.00	6,506.32	6,419.70	188.06	28.22	-9.55	2,105.34	5,295.52	2,624.46	2,545.33	79.13	33.165		
12,300.00	6,953.00	6,490.49	6,404.14	190.63	28.15	-9.01	2,103.80	5,297.97	2,723.18	2,644.27	78.91	34.512		
12,400.00	6,953.00	6,474.63	6,388.54	193.20	28.07	-8.51	2,102.27	5,300.42	2,821.89	2,743.20	78.69	35.861		
12,500.00	6,953.00	6,458.73	6,372.90	195.77	28.00	-8.04	2,100.76	5,302.88	2,920.61	2,842.13	78.48	37.214		
12,600.00	6,953.00	6,442.79	6,357.23	198.35	27.92	-7.61	2,099.26	5,305.35	3,019.33	2,941.05	78.28	38.569		
12,700.00	6,953.00	6,426.81	6,341.52	200.93	27.85	-7.20	2,097.77	5,307.83	3,118.06	3,039.97	78.09	39.928		
12,800.00	6,953.00	6,410.68	6,325.65	203.51	27.77	-6.81	2,096.29	5,310.34	3,216.78	3,138.88	77.91	41.291		
12,900.00	6,953.00	6,394.30	6,309.54	206.10	27.69	-6.44	2,094.80	5,312.89	3,315.51	3,237.78	77.72	42.658		
13,000.00	6,953.00	6,377.86	6,293.36	208.69	27.62	-6.10	2,093.34	5,315.45	3,414.23	3,336.68	77.55	44.027		
13,100.00	6,953.00	6,361.36	6,277.13	211.29	27.54	-5.78	2,091.89	5,318.03	3,512.96	3,435.58	77.38	45.400		
13,200.00	6,953.00	6,344.79	6,260.83	213.88	27.46	-5.47	2,090.46	5,320.63	3,611.68	3,534.46	77.21	46.776		
13,300.00	6,953.00	6,328.17	6,244.48	216.48	27.38	-5.19	2,089.05	5,323.23	3,710.40	3,633.35	77.05	48.154		
13,400.00	6,953.00	6,311.49	6,228.06	219.09	27.30	-4.92	2,087.66	5,325.85	3,809.12	3,732.22	76.90	49.535		
13,500.00	6,953.00	6,294.74	6,211.57	221.69	27.23	-4.66	2,086.29	5,328.49	3,907.83	3,831.09	76.75	50.919		
13,600.00	6,953.00	6,289.00	6,205.93	224.30	27.20	-4.58	2,085.82	5,329.39	4,006.56	3,929.80	76.76	52.198		
13,700.00	6,953.00	6,269.48	6,186.71	226.92	27.11	-4.30	2,084.24	5,332.46	4,105.28	4,028.71	76.57	53.613		
13,800.00	6,953.00	6,257.90	6,175.32	229.53	27.05	-4.15	2,083.28	5,334.26	4,204.03	4,127.53	76.50	54.952		
13,900.00	6,953.00	6,246.46	6,164.06	232.15	27.00	-4.00	2,082.33	5,336.03	4,302.80	4,226.36	76.44	56.292		
14,000.00	6,953.00	6,235.17	6,152.94	234.77	26.95	-3.85	2,081.39	5,337.76	4,401.58	4,325.21	76.37	57.632		
14,100.00	6,953.00	6,224.01	6,141.95	237.39	26.90	-3.71	2,080.44	5,339.46	4,500.38	4,424.07	76.31	58.972		
14,200.00	6,953.00	6,212.99	6,131.10	240.01	26.85	-3.58	2,079.50	5,341.14	4,599.19	4,522.94	76.26	60.312		
14,300.00	6,953.00	6,202.10	6,120.37	242.64	26.80	-3.45	2,078.56	5,342.78	4,698.02	4,621.82	76.20	61.652		
14,400.00	6,953.00	6,191.34	6,109.77	245.27	26.75	-3.33	2,077.63	5,344.39	4,796.86	4,720.71	76.15	62.992		
14,500.00	6,953.00	6,180.71	6,099.30	247.90	26.70	-3.21	2,076.70	5,345.98	4,895.72	4,819.62	76.10	64.332		
14,600.00	6,953.00	6,161.00	6,079.89	250.53	26.61	-2.99	2,074.95	5,348.89	4,994.60	4,918.67	75.93	65.775		
14,700.00	6,953.00	6,159.14	6,078.06	253.16	26.60	-2.98	2,074.78	5,349.16	5,093.48	5,017.48	76.00	67.019		

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-20-01
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-20-01	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		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)					
14,800.00	6,953.00	6,142.86	6,062.02	255.80	26.52	-2.81	2,073.34	5,351.56	5,192.36	5,116.48	75.88	68.427	
14,900.00	6,953.00	6,126.51	6,045.92	258.43	26.45	-2.64	2,071.89	5,353.97	5,291.25	5,215.48	75.76	69.838	
15,000.00	6,953.00	6,110.10	6,029.74	261.07	26.37	-2.49	2,070.45	5,356.39	5,390.13	5,314.48	75.65	71.251	
15,100.00	6,953.00	6,093.61	6,013.50	263.71	26.29	-2.34	2,069.01	5,358.83	5,489.01	5,413.47	75.54	72.668	
15,200.00	6,953.00	6,077.05	5,997.19	266.36	26.22	-2.20	2,067.57	5,361.29	5,587.88	5,512.45	75.42	74.087	
15,300.00	6,953.00	6,060.43	5,980.81	269.00	26.14	-2.06	2,066.13	5,363.76	5,686.75	5,611.43	75.31	75.508	
15,400.00	6,953.00	6,047.00	5,967.58	271.65	26.08	-1.95	2,064.99	5,365.77	5,785.61	5,710.37	75.24	76.893	
15,500.00	6,953.00	6,025.07	5,945.99	274.29	25.98	-1.78	2,063.11	5,369.04	5,884.47	5,809.40	75.07	78.382	
15,600.00	6,953.00	6,002.78	5,924.03	276.94	25.88	-1.63	2,061.26	5,372.39	5,983.32	5,908.41	74.91	79.877	
15,700.00	6,953.00	5,980.12	5,901.70	279.59	25.77	-1.47	2,059.44	5,375.83	6,082.14	6,007.40	74.74	81.378	
15,800.00	6,953.00	5,957.08	5,879.00	282.24	25.66	-1.33	2,057.64	5,379.35	6,180.95	6,106.38	74.57	82.885	
15,900.00	6,953.00	5,877.03	5,800.20	284.90	25.29	-0.90	2,051.62	5,392.00	6,279.73	6,205.95	73.78	85.112	
16,000.00	6,953.00	5,918.33	5,840.83	287.55	25.49	-1.11	2,054.72	5,385.35	6,378.51	6,304.17	74.33	85.810	
16,100.00	6,953.00	5,856.84	5,780.28	290.20	25.20	-0.81	2,050.25	5,395.10	6,477.23	6,403.47	73.76	87.812	
16,200.00	6,953.00	5,789.61	5,714.20	292.86	24.88	-0.49	2,044.89	5,406.23	6,575.84	6,502.71	73.13	89.922	
16,300.00	6,953.00	5,762.22	5,687.31	295.52	24.75	-0.36	2,042.57	5,410.90	6,674.35	6,601.42	72.93	91.518	
16,400.00	6,953.00	5,745.17	5,670.58	298.18	24.67	-0.28	2,041.10	5,413.82	6,772.86	6,700.02	72.84	92.977	
16,500.00	6,953.00	5,728.13	5,653.86	300.84	24.58	-0.21	2,039.62	5,416.73	6,871.38	6,798.62	72.76	94.439	
16,600.00	6,953.00	5,711.10	5,637.14	303.50	24.50	-0.13	2,038.11	5,419.64	6,969.89	6,897.22	72.68	95.903	
16,700.00	6,953.00	5,694.06	5,620.43	306.16	24.42	-0.06	2,036.59	5,422.55	7,068.41	6,995.81	72.59	97.369	
16,800.00	6,953.00	5,677.04	5,603.72	308.82	24.34	0.01	2,035.06	5,425.46	7,166.92	7,094.41	72.51	98.837	
16,900.00	6,953.00	5,670.81	5,597.61	311.49	24.31	0.04	2,034.54	5,426.54	7,265.43	7,192.88	72.55	100.146	
17,000.00	6,953.00	5,639.60	5,566.99	314.15	24.16	0.17	2,031.62	5,431.85	7,363.95	7,291.64	72.32	101.830	
17,100.00	6,953.00	5,607.66	5,535.66	316.82	24.00	0.29	2,028.76	5,437.35	7,462.45	7,390.36	72.08	103.524	
17,200.00	6,953.00	5,574.96	5,503.58	319.48	23.84	0.40	2,025.97	5,443.05	7,560.90	7,489.05	71.85	105.229	
17,300.00	6,953.00	5,541.47	5,470.73	322.15	23.68	0.51	2,023.25	5,448.95	7,659.32	7,587.70	71.62	106.943	
17,400.00	6,953.00	5,519.00	5,448.69	324.82	23.57	0.57	2,021.52	5,452.96	7,757.71	7,686.21	71.50	108.493	
17,500.00	6,953.00	5,497.94	5,428.02	327.49	23.47	0.62	2,019.93	5,456.72	7,856.09	7,784.69	71.41	110.020	
17,600.00	6,953.00	5,482.30	5,412.68	330.16	23.40	0.66	2,018.78	5,459.51	7,954.48	7,883.12	71.36	111.468	
17,700.00	6,953.00	5,466.70	5,397.37	332.83	23.32	0.70	2,017.64	5,462.28	8,052.88	7,981.56	71.32	112.914	
17,800.00	6,953.00	5,451.16	5,382.12	335.50	23.25	0.74	2,016.52	5,465.05	8,151.27	8,080.00	71.28	114.360	
17,900.00	6,953.00	5,435.66	5,366.90	338.17	23.17	0.77	2,015.42	5,467.80	8,249.68	8,178.44	71.24	115.805	
18,000.00	6,953.00	5,420.20	5,351.73	340.85	23.10	0.81	2,014.34	5,470.54	8,348.08	8,276.88	71.20	117.248	
18,100.00	6,953.00	5,372.38	5,304.79	343.52	22.87	0.90	2,011.11	5,479.07	8,446.49	8,375.61	70.88	119.173	
18,200.00	6,953.00	5,387.01	5,319.14	346.19	22.94	0.88	2,012.08	5,476.41	8,544.92	8,473.81	71.11	120.168	
18,300.00	6,953.00	5,347.54	5,280.39	348.87	22.75	0.95	2,009.43	5,483.44	8,643.31	8,572.44	70.86	121.970	
18,400.00	6,953.00	5,306.95	5,240.56	351.55	22.55	1.02	2,006.74	5,490.78	8,741.66	8,671.04	70.62	123.792	
18,500.00	6,953.00	5,265.20	5,199.61	354.22	22.35	1.09	2,003.99	5,498.43	8,839.96	8,769.59	70.36	125.633	
18,600.00	6,953.00	5,244.35	5,179.16	356.90	22.25	1.13	2,002.65	5,502.28	8,938.23	8,867.94	70.29	127.157	
18,700.00	6,953.00	5,224.65	5,159.84	359.58	22.16	1.15	2,001.43	5,505.93	9,036.50	8,966.26	70.23	128.662	
18,800.00	6,953.00	5,204.92	5,140.49	362.26	22.06	1.18	2,000.25	5,509.58	9,134.76	9,064.59	70.18	130.165	
18,900.00	6,953.00	5,185.16	5,121.10	364.94	21.97	1.21	1,999.11	5,513.24	9,233.03	9,162.90	70.12	131.667	
19,000.00	6,953.00	5,165.36	5,101.68	367.62	21.87	1.23	1,998.01	5,516.91	9,331.29	9,261.22	70.07	133.167	
19,073.74	6,953.00	5,150.74	5,087.34	369.59	21.80	1.24	1,997.23	5,519.62	9,403.75	9,333.72	70.04	134.271	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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	75.46	1,596.01	6,153.84	6,357.47	6,357.20	0.27	N/A		
200.00	199.98	113.64	113.63	0.63	0.19	12.03	1,596.23	6,153.47	6,355.52	6,354.70	0.81	7,810.207		
300.00	299.84	269.91	269.90	0.99	0.66	12.06	1,596.96	6,151.71	6,349.42	6,347.77	1.65	3,837.579		
400.00	399.45	384.56	384.53	1.36	1.07	12.12	1,597.09	6,149.80	6,339.32	6,336.88	2.43	2,606.047		
500.00	498.70	481.26	481.21	1.76	1.42	12.19	1,596.98	6,148.23	6,325.81	6,322.67	3.15	2,009.624		
600.00	597.47	594.77	594.71	2.18	1.83	12.30	1,596.73	6,146.26	6,308.80	6,304.87	3.93	1,606.480		
700.00	695.62	1,738.79	1,728.95	2.63	6.38	13.32	1,522.89	6,038.12	6,273.01	6,264.52	8.49	738.588		
800.00	793.06	1,798.00	1,787.02	3.11	6.65	13.60	1,516.15	6,028.76	6,233.75	6,224.66	9.08	686.176		
900.00	889.64	1,861.10	1,848.98	3.64	6.94	13.90	1,509.29	6,018.99	6,191.83	6,182.13	9.70	638.585		
1,000.00	985.27	1,926.00	1,912.80	4.22	7.24	14.23	1,502.75	6,009.14	6,147.29	6,136.97	10.32	595.670		
1,100.00	1,079.82	1,981.27	1,967.19	4.84	7.49	14.58	1,497.37	6,000.95	6,100.17	6,089.26	10.91	558.925		
1,200.00	1,173.17	2,054.00	2,038.81	5.52	7.82	14.99	1,490.14	5,990.57	6,050.53	6,038.95	11.58	522.529		
1,300.00	1,265.21	2,120.48	2,104.29	6.26	8.12	15.44	1,483.36	5,981.30	5,998.23	5,986.00	12.23	490.448		
1,400.00	1,355.84	2,311.51	2,292.15	7.06	9.01	16.23	1,462.30	5,953.77	5,942.92	5,929.57	13.34	445.399		
1,500.00	1,444.94	2,365.95	2,345.57	7.92	9.26	16.79	1,455.91	5,945.47	5,883.81	5,869.85	13.97	421.303		
1,600.00	1,532.39	2,419.66	2,398.31	8.84	9.52	17.39	1,449.65	5,937.50	5,822.40	5,807.81	14.59	398.939		
1,700.00	1,618.11	2,439.00	2,417.32	9.83	9.61	17.95	1,447.41	5,934.67	5,758.88	5,743.77	15.11	381.111		
1,800.00	1,701.97	2,507.81	2,484.98	10.89	9.93	18.72	1,439.62	5,924.95	5,693.07	5,677.25	15.81	360.041		
1,900.00	1,783.88	2,567.00	2,543.29	12.02	10.20	19.55	1,433.19	5,917.02	5,625.41	5,608.92	16.49	341.154		
1,991.28	1,856.86	2,618.85	2,594.39	13.11	10.44	20.37	1,427.64	5,910.16	5,561.75	5,544.64	17.11	325.077		
2,000.00	1,863.75	2,628.62	2,604.01	13.21	10.49	20.41	1,426.59	5,908.85	5,555.56	5,538.37	17.19	323.200		
2,100.00	1,942.74	2,723.57	2,697.48	14.45	10.92	20.82	1,416.25	5,895.78	5,484.46	5,466.46	18.00	304.740		
2,200.00	2,021.72	2,792.37	2,765.19	15.69	11.24	21.13	1,408.64	5,886.19	5,413.32	5,394.59	18.73	289.012		
2,300.00	2,100.71	2,849.94	2,821.84	16.95	11.51	21.39	1,402.21	5,878.19	5,342.27	5,322.83	19.44	274.811		
2,400.00	2,179.70	2,897.14	2,868.31	18.21	11.73	21.61	1,397.01	5,871.78	5,271.54	5,251.41	20.13	261.883		
2,500.00	2,258.69	2,954.00	2,924.33	19.47	11.99	21.88	1,390.85	5,864.27	5,201.16	5,180.29	20.86	249.295		
2,600.00	2,337.68	3,005.17	2,974.78	20.74	12.23	22.13	1,385.41	5,857.63	5,131.04	5,109.45	21.59	237.636		
2,700.00	2,416.66	3,068.79	3,037.51	22.02	12.52	22.44	1,378.77	5,849.39	5,061.09	5,038.72	22.37	226.228		
2,800.00	2,495.65	3,129.53	3,097.42	23.29	12.79	22.74	1,372.51	5,841.58	4,991.32	4,968.16	23.15	215.563		
2,900.00	2,574.64	3,189.54	3,156.62	24.57	13.07	23.05	1,366.27	5,833.97	4,921.75	4,897.80	23.95	205.511		
3,000.00	2,653.63	3,286.56	3,252.30	25.85	13.51	23.56	1,356.10	5,821.56	4,852.24	4,827.37	24.86	195.159		
3,100.00	2,732.62	3,372.56	3,337.03	27.14	13.91	24.03	1,347.08	5,809.97	4,782.33	4,756.57	25.76	185.682		
3,200.00	2,811.61	3,435.24	3,398.80	28.42	14.20	24.38	1,340.50	5,801.50	4,712.53	4,685.93	26.60	177.193		
3,300.00	2,890.59	3,495.60	3,458.27	29.71	14.47	24.73	1,334.13	5,793.42	4,642.93	4,615.48	27.44	169.177		
3,400.00	2,969.58	3,553.45	3,515.26	31.00	14.74	25.07	1,327.72	5,785.84	4,573.59	4,545.29	28.30	161.592		
3,500.00	3,048.57	3,614.28	3,575.18	32.29	15.02	25.45	1,320.61	5,778.06	4,504.53	4,475.35	29.19	154.325		
3,600.00	3,127.56	3,682.70	3,642.54	33.58	15.34	25.89	1,312.37	5,769.37	4,435.66	4,405.54	30.11	147.296		
3,700.00	3,206.55	3,747.78	3,706.60	34.87	15.64	26.33	1,304.36	5,761.13	4,366.94	4,335.89	31.05	140.653		
3,800.00	3,285.53	3,808.18	3,766.06	36.16	15.93	26.74	1,297.00	5,753.55	4,298.47	4,266.49	31.99	134.384		
3,900.00	3,364.52	3,869.99	3,826.95	37.45	16.21	27.17	1,289.62	5,745.87	4,230.30	4,197.35	32.95	128.399		
4,000.00	3,443.51	3,935.15	3,891.19	38.74	16.51	27.63	1,282.27	5,737.78	4,162.36	4,128.44	33.93	122.677		
4,100.00	3,522.50	4,009.62	3,964.67	40.04	16.85	28.15	1,274.51	5,728.47	4,094.64	4,059.69	34.95	117.160		
4,200.00	3,601.49	4,102.75	4,056.54	41.33	17.27	28.83	1,265.28	5,716.35	4,026.78	3,990.76	36.02	111.781		
4,300.00	3,680.47	4,163.72	4,116.66	42.63	17.55	29.28	1,259.19	5,708.27	3,958.95	3,921.90	37.05	106.854		
4,400.00	3,759.46	4,222.66	4,174.76	43.92	17.83	29.74	1,252.86	5,700.64	3,891.48	3,853.38	38.10	102.144		
4,500.00	3,838.45	4,356.15	4,306.21	45.22	18.45	30.83	1,238.23	5,682.55	3,823.89	3,784.56	39.33	97.224		
4,600.00	3,917.44	4,421.04	4,370.03	46.51	18.76	31.38	1,231.35	5,673.08	3,755.77	3,715.33	40.44	92.874		
4,700.00	3,996.43	4,480.54	4,428.55	47.81	19.04	31.90	1,224.86	5,664.53	3,688.02	3,646.46	41.57	88.727		
4,800.00	4,075.42	4,548.19	4,495.08	49.10	19.36	32.51	1,217.30	5,654.89	3,620.61	3,577.87	42.74	84.711		
4,900.00	4,154.40	4,617.97	4,563.69	50.40	19.69	33.17	1,209.35	5,644.90	3,553.43	3,509.48	43.95	80.850		
5,000.00	4,233.39	4,674.13	4,618.91	51.70	19.96	33.71	1,202.94	5,636.91	3,486.61	3,441.45	45.17	77.196		
5,100.00	4,312.38	4,730.35	4,674.23	52.99	20.22	34.27	1,196.66	5,629.09	3,420.32	3,373.91	46.41	73.692		

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-20-01
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-20-01	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	4,391.37	4,782.03	4,725.10	54.29	20.46	34.79	1,190.94	5,622.08	3,354.60	3,306.92	47.69	70.346		
5,300.00	4,470.36	4,831.60	4,773.93	55.59	20.69	35.31	1,185.31	5,615.62	3,289.59	3,240.60	49.00	67.141		
5,400.00	4,549.34	4,884.88	4,826.42	56.89	20.94	35.88	1,179.08	5,608.97	3,225.33	3,174.97	50.35	64.056		
5,500.00	4,628.33	4,971.26	4,911.47	58.18	21.35	36.84	1,168.60	5,598.08	3,161.38	3,109.56	51.83	61.001		
5,600.00	4,707.32	5,046.54	4,985.51	59.48	21.70	37.72	1,159.19	5,588.23	3,097.55	3,044.23	53.32	58.091		
5,700.00	4,786.31	5,115.55	5,053.41	60.78	22.03	38.54	1,150.92	5,579.14	3,034.13	2,979.28	54.85	55.319		
5,800.00	4,865.30	5,184.56	5,121.36	62.08	22.35	39.39	1,143.01	5,570.02	2,971.15	2,914.73	56.41	52.668		
5,900.00	4,944.28	5,253.64	5,189.40	63.38	22.67	40.25	1,135.33	5,560.86	2,908.64	2,850.62	58.03	50.127		
6,000.00	5,023.27	5,298.13	5,233.26	64.68	22.87	40.82	1,130.57	5,555.10	2,846.89	2,787.26	59.64	47.738		
6,100.00	5,102.26	5,340.23	5,274.84	65.97	23.06	41.37	1,126.36	5,550.08	2,786.34	2,725.06	61.29	45.465		
6,200.00	5,181.25	5,390.00	5,324.10	67.27	23.28	42.01	1,121.74	5,544.68	2,727.05	2,664.05	63.00	43.290		
6,300.00	5,260.24	5,505.25	5,438.12	68.57	23.79	43.56	1,111.17	5,531.62	2,668.14	2,603.28	64.86	41.135		
6,400.00	5,339.23	5,576.14	5,508.10	69.87	24.11	44.57	1,104.22	5,522.68	2,608.98	2,542.24	66.74	39.093		
6,500.00	5,418.21	5,639.99	5,571.07	71.17	24.40	45.53	1,097.38	5,514.65	2,550.64	2,481.96	68.68	37.139		
6,600.00	5,497.20	5,726.24	5,656.04	72.47	24.81	46.87	1,087.61	5,503.50	2,492.94	2,422.19	70.75	35.237		
6,700.00	5,576.19	5,801.69	5,730.28	73.77	25.16	48.10	1,078.95	5,493.20	2,435.62	2,362.75	72.87	33.424		
6,800.00	5,655.18	5,862.49	5,790.17	75.07	25.44	49.11	1,072.40	5,485.04	2,379.29	2,304.27	75.02	31.714		
6,900.00	5,734.17	5,932.70	5,859.42	76.37	25.77	50.30	1,065.38	5,475.87	2,324.07	2,246.82	77.26	30.082		
7,000.00	5,813.15	6,018.44	5,943.85	77.67	26.17	51.82	1,056.26	5,464.05	2,269.50	2,189.89	79.61	28.507		
7,100.00	5,892.14	6,068.90	5,993.47	78.97	26.41	52.75	1,050.51	5,456.90	2,215.96	2,133.97	81.99	27.027		
7,200.00	5,971.13	6,113.54	6,037.41	80.27	26.62	53.60	1,045.28	5,451.02	2,164.33	2,079.91	84.42	25.636		
7,300.00	6,050.12	6,160.00	6,083.19	81.57	26.83	54.49	1,039.70	5,445.36	2,114.74	2,027.81	86.93	24.327		
7,400.00	6,129.11	6,312.09	6,232.60	82.86	27.56	57.58	1,020.85	5,424.17	2,065.56	1,975.71	89.85	22.988		
7,500.00	6,208.09	6,354.52	6,274.28	84.16	27.76	58.47	1,015.87	5,417.98	2,017.22	1,924.68	92.53	21.800		
7,600.00	6,287.08	6,416.00	6,334.75	85.46	28.06	59.78	1,009.07	5,409.26	1,970.76	1,875.44	95.32	20.675		
7,700.00	6,366.07	6,504.23	6,421.62	86.76	28.47	61.70	1,000.07	5,396.69	1,925.79	1,827.57	98.22	19.608		
7,800.00	6,445.06	6,592.43	6,508.37	88.06	28.89	63.68	991.62	5,383.21	1,881.82	1,780.65	101.17	18.600		
7,900.00	6,524.05	6,675.91	6,590.28	89.36	29.30	65.63	983.36	5,369.36	1,839.17	1,734.98	104.19	17.652		
8,000.00	6,603.03	6,723.15	6,636.59	90.66	29.53	66.77	978.44	5,361.43	1,798.72	1,691.53	107.19	16.781		
8,100.00	6,682.02	6,772.00	6,684.50	91.96	29.77	67.97	973.05	5,353.57	1,761.21	1,651.01	110.20	15.981		
8,133.44	6,708.44	6,801.00	6,712.95	92.40	29.91	68.69	969.71	5,349.07	1,749.41	1,638.16	111.26	15.724		
8,150.00	6,721.39	6,801.00	6,712.95	92.62	29.91	67.97	969.71	5,349.07	1,743.44	1,631.71	111.73	15.604		
8,200.00	6,758.90	6,821.70	6,733.26	93.34	30.01	66.98	967.27	5,345.92	1,723.93	1,610.65	113.28	15.218		
8,250.00	6,793.76	6,845.05	6,756.18	94.13	30.13	66.97	964.49	5,342.41	1,702.09	1,587.20	114.90	14.814		
8,300.00	6,825.72	6,865.78	6,776.53	95.00	30.23	67.68	961.98	5,339.33	1,678.14	1,561.59	116.55	14.398		
8,350.00	6,854.52	6,883.74	6,794.16	95.93	30.31	69.00	959.77	5,336.69	1,652.29	1,534.04	118.25	13.973		
8,400.00	6,879.97	6,898.79	6,808.93	96.92	30.39	70.86	957.91	5,334.50	1,624.76	1,504.80	119.96	13.544		
8,450.00	6,901.84	6,910.80	6,820.71	97.95	30.45	73.21	956.41	5,332.76	1,595.77	1,474.09	121.68	13.114		
8,500.00	6,920.00	6,919.66	6,829.41	99.02	30.49	75.97	955.30	5,331.49	1,565.57	1,442.17	123.40	12.687		
8,550.00	6,934.28	6,930.00	6,839.56	100.12	30.54	79.31	953.99	5,330.01	1,534.38	1,409.24	125.14	12.262		
8,600.00	6,944.59	6,930.00	6,839.56	101.22	30.54	82.60	953.99	5,330.01	1,502.41	1,375.61	126.80	11.849		
8,650.00	6,950.84	6,930.00	6,839.56	102.33	30.54	86.26	953.99	5,330.01	1,469.91	1,341.47	128.44	11.444		
8,701.16	6,953.00	6,930.00	6,839.56	103.44	30.54	90.35	953.99	5,330.01	1,436.33	1,306.25	130.08	11.042		
8,800.00	6,953.00	6,909.71	6,819.64	105.59	30.44	89.29	956.55	5,332.92	1,373.14	1,240.06	133.07	10.319		
8,900.00	6,953.00	6,897.09	6,807.25	107.79	30.38	88.63	958.12	5,334.75	1,313.58	1,177.45	136.13	9.649		
9,000.00	6,953.00	6,884.29	6,794.69	110.02	30.32	87.96	959.71	5,336.61	1,259.01	1,119.94	139.07	9.053		
9,100.00	6,953.00	6,871.31	6,781.95	112.26	30.25	87.28	961.30	5,338.52	1,210.10	1,068.33	141.76	8.536		
9,200.00	6,953.00	6,858.14	6,769.03	114.52	30.19	86.59	962.90	5,340.46	1,167.55	1,023.48	144.08	8.104		
9,300.00	6,953.00	6,844.79	6,755.92	116.80	30.12	85.88	964.52	5,342.45	1,132.09	986.24	145.86	7.762		
9,400.00	6,953.00	6,831.24	6,742.63	119.10	30.06	85.17	966.14	5,344.48	1,104.40	957.46	146.94	7.516		
9,500.00	6,953.00	6,817.50	6,729.14	121.42	29.99	84.44	967.77	5,346.56	1,085.05	937.86	147.19	7.372		
9,600.00	6,953.00	6,801.00	6,712.95	123.75	29.91	83.57	969.71	5,349.07	1,074.51	928.03	146.48	7.336 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-20-01
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-20-01	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		
9,665.32	6,953.00	6,801.00	6,712.95	125.28	29.91	83.57	969.71	5,349.07	1,072.52	926.87	145.66	7.363	CC, ES	
9,700.00	6,953.00	6,789.91	6,702.07	126.10	29.86	82.99	971.00	5,350.78	1,073.02	928.13	144.89	7.406		
9,800.00	6,953.00	6,776.03	6,688.45	128.46	29.79	82.26	972.59	5,352.94	1,080.62	938.28	142.35	7.592		
9,900.00	6,953.00	6,761.77	6,674.46	130.84	29.72	81.50	974.20	5,355.19	1,097.13	958.12	139.00	7.893		
10,000.00	6,953.00	6,747.12	6,660.09	133.23	29.65	80.73	975.83	5,357.53	1,122.13	987.11	135.02	8.311		
10,100.00	6,953.00	6,732.06	6,645.33	135.63	29.57	79.94	977.48	5,359.97	1,155.07	1,024.48	130.59	8.845		
10,200.00	6,953.00	6,716.58	6,630.14	138.04	29.50	79.13	979.14	5,362.51	1,195.28	1,069.39	125.89	9.495		
10,300.00	6,953.00	6,700.65	6,614.53	140.46	29.42	78.30	980.82	5,365.17	1,242.04	1,120.96	121.09	10.257		
10,400.00	6,953.00	6,684.26	6,598.46	142.90	29.34	77.44	982.51	5,367.94	1,294.65	1,178.33	116.32	11.130		
10,500.00	6,953.00	6,673.00	6,587.43	145.34	29.28	76.86	983.66	5,369.86	1,352.42	1,240.63	111.79	12.098		
10,600.00	6,953.00	6,654.06	6,568.86	147.80	29.19	75.88	985.56	5,373.09	1,414.70	1,307.38	107.32	13.182		
10,700.00	6,953.00	6,640.24	6,555.30	150.26	29.13	75.17	986.94	5,375.41	1,480.97	1,377.77	103.20	14.351		
10,800.00	6,953.00	6,626.76	6,542.08	152.73	29.06	74.47	988.27	5,377.65	1,550.72	1,451.37	99.35	15.608		
10,900.00	6,953.00	6,613.62	6,529.19	155.21	29.00	73.80	989.56	5,379.80	1,623.50	1,527.71	95.79	16.948		
11,000.00	6,953.00	6,600.81	6,516.60	157.70	28.94	73.15	990.81	5,381.87	1,698.92	1,606.41	92.51	18.365		
11,100.00	6,953.00	6,588.31	6,504.32	160.20	28.88	72.52	992.02	5,383.87	1,776.66	1,687.16	89.50	19.851		
11,200.00	6,953.00	6,576.11	6,492.33	162.70	28.82	71.90	993.19	5,385.79	1,856.43	1,769.68	86.74	21.401		
11,300.00	6,953.00	6,564.19	6,480.62	165.21	28.76	71.30	994.33	5,387.65	1,937.97	1,853.74	84.23	23.008		
11,400.00	6,953.00	6,545.00	6,461.74	167.73	28.67	70.34	996.15	5,390.59	2,021.10	1,939.31	81.80	24.709		
11,500.00	6,953.00	6,545.00	6,461.74	170.25	28.67	70.34	996.15	5,390.59	2,105.59	2,025.67	79.92	26.346		
11,600.00	6,953.00	6,526.88	6,443.91	172.78	28.58	69.44	997.87	5,393.33	2,191.30	2,113.40	77.89	28.133		
11,700.00	6,953.00	6,513.65	6,430.89	175.31	28.52	68.79	999.15	5,395.30	2,278.09	2,201.96	76.12	29.927		
11,800.00	6,953.00	6,500.67	6,418.11	177.85	28.46	68.16	1,000.42	5,397.22	2,365.84	2,291.33	74.51	31.753		
11,900.00	6,953.00	6,487.94	6,405.59	180.40	28.40	67.54	1,001.68	5,399.08	2,454.45	2,381.41	73.04	33.606		
12,000.00	6,953.00	6,475.46	6,393.30	182.95	28.34	66.93	1,002.93	5,400.89	2,543.83	2,472.13	71.70	35.480		
12,100.00	6,953.00	6,463.21	6,381.24	185.50	28.28	66.34	1,004.16	5,402.65	2,633.91	2,563.43	70.48	37.372		
12,200.00	6,953.00	6,451.20	6,369.41	188.06	28.23	65.77	1,005.39	5,404.35	2,724.62	2,655.25	69.37	39.277		
12,300.00	6,953.00	6,439.41	6,357.80	190.63	28.17	65.21	1,006.61	5,406.01	2,815.90	2,747.54	68.36	41.193		
12,400.00	6,953.00	6,395.90	6,315.01	193.20	27.96	63.17	1,011.39	5,412.20	2,907.65	2,840.79	66.86	43.488		
12,500.00	6,953.00	6,417.28	6,336.02	195.77	28.07	64.16	1,008.93	5,409.09	2,999.96	2,933.35	66.61	45.034		
12,600.00	6,953.00	6,385.77	6,305.00	198.35	27.91	62.70	1,012.34	5,413.48	3,092.62	3,027.12	65.49	47.220		
12,700.00	6,953.00	6,352.24	6,272.04	200.93	27.75	61.17	1,016.13	5,418.31	3,185.57	3,121.17	64.41	49.460		
12,800.00	6,953.00	6,316.49	6,236.94	203.51	27.58	59.58	1,020.37	5,423.63	3,278.79	3,215.44	63.35	51.759		
12,900.00	6,953.00	6,288.00	6,209.00	206.10	27.44	58.33	1,023.88	5,427.98	3,372.24	3,309.76	62.48	53.976		
13,000.00	6,953.00	6,288.00	6,209.00	208.69	27.44	58.33	1,023.88	5,427.98	3,466.00	3,403.85	62.15	55.769		
13,100.00	6,953.00	6,288.00	6,209.00	211.29	27.44	58.33	1,023.88	5,427.98	3,560.10	3,498.24	61.86	57.548		
13,200.00	6,953.00	6,288.00	6,209.00	213.88	27.44	58.33	1,023.88	5,427.98	3,654.52	3,592.90	61.61	59.313		
13,300.00	6,953.00	6,288.00	6,209.00	216.48	27.44	58.33	1,023.88	5,427.98	3,749.22	3,687.83	61.40	61.065		
13,400.00	6,953.00	6,250.31	6,172.04	219.09	27.26	56.71	1,028.59	5,433.61	3,843.80	3,783.20	60.60	63.431		
13,500.00	6,953.00	6,243.75	6,165.59	221.69	27.23	56.44	1,029.41	5,434.55	3,938.88	3,878.54	60.34	65.276		
13,600.00	6,953.00	6,237.36	6,159.32	224.30	27.20	56.17	1,030.20	5,435.45	4,034.17	3,974.05	60.12	67.107		
13,700.00	6,953.00	6,231.14	6,153.20	226.92	27.17	55.91	1,030.97	5,436.31	4,129.66	4,069.75	59.92	68.923		
13,800.00	6,953.00	6,225.08	6,147.25	229.53	27.14	55.66	1,031.72	5,437.14	4,225.35	4,165.60	59.74	70.725		
13,900.00	6,953.00	6,219.19	6,141.46	232.15	27.12	55.41	1,032.45	5,437.94	4,321.21	4,261.61	59.59	72.513		
14,000.00	6,953.00	6,213.44	6,135.80	234.77	27.09	55.17	1,033.16	5,438.70	4,417.23	4,357.77	59.46	74.286		
14,100.00	6,953.00	6,207.84	6,130.30	237.39	27.06	54.94	1,033.85	5,439.44	4,513.41	4,454.06	59.35	76.045		
14,200.00	6,953.00	6,202.38	6,124.92	240.01	27.04	54.72	1,034.52	5,440.15	4,609.74	4,550.48	59.26	77.790		
14,300.00	6,953.00	6,160.00	6,083.19	242.64	26.83	53.02	1,039.70	5,445.36	4,706.56	4,647.92	58.65	80.253		
14,400.00	6,953.00	6,160.00	6,083.19	245.27	26.83	53.02	1,039.70	5,445.36	4,803.06	4,744.40	58.66	81.873		
14,500.00	6,953.00	6,160.00	6,083.19	247.90	26.83	53.02	1,039.70	5,445.36	4,899.71	4,841.02	58.69	83.481		
14,600.00	6,953.00	6,160.00	6,083.19	250.53	26.83	53.02	1,039.70	5,445.36	4,996.48	4,937.75	58.73	85.076		
14,700.00	6,953.00	6,160.00	6,083.19	253.16	26.83	53.02	1,039.70	5,445.36	5,093.38	5,034.61	58.77	86.660		

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-20-01
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-20-01	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	
14,800.00	6,953.00	6,160.00	6,083.19	255.80	26.83	53.02	1,039.70	5,445.36	5,190.40	5,131.57	58.83	88.233	
14,900.00	6,953.00	6,110.20	6,034.16	258.43	26.60	51.09	1,045.55	5,451.87	5,287.29	5,229.07	58.22	90.810	
15,000.00	6,953.00	6,097.14	6,021.31	261.07	26.54	50.60	1,047.09	5,453.58	5,384.40	5,326.27	58.13	92.635	
15,100.00	6,953.00	6,032.00	5,957.19	263.71	26.23	48.23	1,054.74	5,462.10	5,481.82	5,424.45	57.37	95.551	
15,200.00	6,953.00	6,032.00	5,957.19	266.36	26.23	48.23	1,054.74	5,462.10	5,578.95	5,521.49	57.46	97.090	
15,300.00	6,953.00	6,032.00	5,957.19	269.00	26.23	48.23	1,054.74	5,462.10	5,676.18	5,618.63	57.56	98.618	
15,400.00	6,953.00	5,997.48	5,923.23	271.65	26.07	47.03	1,058.58	5,467.03	5,773.32	5,716.08	57.24	100.866	
15,500.00	6,953.00	5,989.95	5,915.82	274.29	26.04	46.78	1,059.39	5,468.08	5,870.65	5,813.39	57.25	102.537	
15,600.00	6,953.00	5,982.52	5,908.51	276.94	26.00	46.52	1,060.19	5,469.12	5,968.05	5,910.77	57.28	104.198	
15,700.00	6,953.00	5,975.19	5,901.29	279.59	25.97	46.28	1,060.98	5,470.13	6,065.51	6,008.21	57.30	105.848	
15,800.00	6,953.00	5,967.95	5,894.17	282.24	25.93	46.04	1,061.74	5,471.12	6,163.04	6,105.71	57.34	107.490	
15,900.00	6,953.00	5,960.81	5,887.13	284.90	25.90	45.80	1,062.49	5,472.10	6,260.64	6,203.26	57.37	109.121	
16,000.00	6,953.00	5,953.77	5,880.19	287.55	25.87	45.57	1,063.22	5,473.05	6,358.29	6,300.87	57.41	110.743	
16,100.00	6,953.00	5,946.81	5,873.34	290.20	25.84	45.34	1,063.94	5,473.99	6,456.00	6,398.54	57.46	112.356	
16,200.00	6,953.00	5,939.95	5,866.57	292.86	25.80	45.12	1,064.65	5,474.91	6,553.76	6,496.25	57.51	113.961	
16,300.00	6,953.00	5,904.00	5,831.11	295.52	25.64	43.98	1,068.23	5,479.62	6,651.71	6,594.46	57.25	116.197	
16,400.00	6,953.00	5,904.00	5,831.11	298.18	25.64	43.98	1,068.23	5,479.62	6,749.52	6,692.15	57.38	117.638	
16,500.00	6,953.00	5,893.03	5,820.31	300.84	25.58	43.64	1,069.40	5,481.09	6,847.39	6,790.00	57.39	119.313	
16,600.00	6,953.00	5,879.69	5,807.16	303.50	25.52	43.23	1,070.82	5,482.87	6,945.30	6,887.92	57.38	121.036	
16,700.00	6,953.00	5,921.90	5,848.78	306.16	25.72	44.55	1,066.51	5,477.33	7,043.33	6,985.38	57.96	121.523	
16,800.00	6,953.00	5,881.90	5,809.31	308.82	25.53	43.30	1,070.42	5,482.49	7,141.39	7,083.71	57.67	123.822	
16,900.00	6,953.00	5,839.99	5,767.99	311.49	25.34	42.04	1,074.76	5,488.02	7,239.42	7,182.03	57.38	126.163	
17,000.00	6,953.00	5,796.03	5,724.71	314.15	25.13	40.77	1,079.59	5,493.97	7,337.42	7,280.34	57.08	128.547	
17,100.00	6,953.00	5,775.00	5,704.02	316.82	25.04	40.17	1,081.99	5,496.87	7,435.41	7,378.39	57.01	130.413	
17,200.00	6,953.00	5,775.00	5,704.02	319.48	25.04	40.17	1,081.99	5,496.87	7,533.44	7,476.28	57.16	131.802	
17,300.00	6,953.00	5,775.00	5,704.02	322.15	25.04	40.17	1,081.99	5,496.87	7,631.52	7,574.22	57.30	133.186	
17,400.00	6,953.00	5,775.00	5,704.02	324.82	25.04	40.17	1,081.99	5,496.87	7,729.65	7,672.21	57.44	134.563	
17,500.00	6,953.00	5,740.50	5,670.08	327.49	24.87	39.22	1,085.97	5,501.58	7,827.70	7,770.44	57.26	136.712	
17,600.00	6,953.00	5,733.13	5,662.82	330.16	24.84	39.02	1,086.82	5,502.58	7,925.86	7,868.53	57.33	138.245	
17,700.00	6,953.00	5,725.84	5,655.65	332.83	24.81	38.83	1,087.65	5,503.55	8,024.05	7,966.64	57.41	139.771	
17,800.00	6,953.00	5,718.63	5,648.55	335.50	24.77	38.63	1,088.48	5,504.51	8,122.28	8,064.79	57.49	141.289	
17,900.00	6,953.00	5,711.50	5,641.53	338.17	24.74	38.44	1,089.29	5,505.46	8,220.53	8,162.97	57.57	142.801	
18,000.00	6,953.00	5,704.45	5,634.58	340.85	24.71	38.26	1,090.10	5,506.39	8,318.82	8,261.18	57.65	144.305	
18,100.00	6,953.00	5,697.47	5,627.71	343.52	24.67	38.08	1,090.89	5,507.30	8,417.14	8,359.41	57.73	145.803	
18,200.00	6,953.00	5,690.56	5,620.90	346.19	24.64	37.90	1,091.67	5,508.20	8,515.49	8,457.67	57.81	147.294	
18,300.00	6,953.00	5,683.73	5,614.17	348.87	24.61	37.72	1,092.45	5,509.08	8,613.86	8,555.96	57.90	148.778	
18,400.00	6,953.00	5,647.00	5,577.98	351.55	24.44	36.79	1,096.59	5,513.77	8,712.36	8,654.64	57.72	150.937	
18,500.00	6,953.00	5,647.00	5,577.98	354.22	24.44	36.79	1,096.59	5,513.77	8,810.74	8,752.88	57.87	152.256	
18,600.00	6,953.00	5,647.00	5,577.98	356.90	24.44	36.79	1,096.59	5,513.77	8,909.17	8,851.15	58.01	153.571	
18,700.00	6,953.00	5,647.00	5,577.98	359.58	24.44	36.79	1,096.59	5,513.77	9,007.63	8,949.47	58.16	154.880	
18,800.00	6,953.00	5,647.00	5,577.98	362.26	24.44	36.79	1,096.59	5,513.77	9,106.12	9,047.81	58.30	156.185	
18,900.00	6,953.00	5,641.93	5,572.98	364.94	24.41	36.66	1,097.16	5,514.40	9,204.64	9,146.23	58.41	157.599	
19,000.00	6,953.00	5,630.30	5,561.52	367.62	24.36	36.38	1,098.45	5,515.86	9,303.18	9,244.73	58.45	159.157	
19,073.74	6,953.00	5,621.71	5,553.05	369.59	24.32	36.17	1,099.39	5,516.94	9,375.86	9,317.37	58.49	160.303	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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	75.11	1,636.08	6,154.39	6,368.18	6,367.91	0.27	N/A		
200.00	199.98	82.56	82.56	0.63	0.15	11.68	1,636.05	6,154.38	6,366.42	6,365.65	0.77	8,256.185		
300.00	299.84	185.62	185.62	0.99	0.33	11.71	1,635.95	6,154.34	6,361.23	6,359.91	1.32	4,832.879		
400.00	399.45	288.43	288.43	1.36	0.51	11.77	1,635.77	6,154.26	6,352.58	6,350.71	1.86	3,408.044		
500.00	498.70	390.83	390.83	1.76	0.69	11.84	1,635.50	6,154.15	6,340.48	6,338.07	2.41	2,626.667		
600.00	597.47	492.71	492.71	2.18	0.87	11.94	1,635.17	6,154.02	6,324.95	6,321.99	2.97	2,132.332		
700.00	695.62	593.93	593.93	2.63	1.04	12.06	1,634.75	6,153.85	6,306.01	6,302.49	3.52	1,790.758		
800.00	793.06	644.00	644.00	3.11	1.13	12.18	1,634.52	6,153.75	6,283.89	6,279.89	3.99	1,574.663		
900.00	889.64	715.12	715.12	3.64	1.38	12.33	1,633.88	6,154.12	6,258.93	6,254.30	4.63	1,351.796		
1,000.00	985.27	773.00	772.97	4.22	1.59	12.50	1,632.91	6,155.19	6,231.55	6,226.32	5.23	1,191.614		
1,100.00	1,079.82	773.00	772.97	4.84	1.59	12.63	1,632.91	6,155.19	6,201.84	6,196.20	5.63	1,100.765		
1,200.00	1,173.17	843.20	843.13	5.52	1.83	12.85	1,631.69	6,157.41	6,169.40	6,163.11	6.29	980.561		
1,300.00	1,265.21	901.00	900.86	6.26	2.04	13.09	1,630.94	6,160.01	6,134.83	6,127.92	6.92	887.124		
1,400.00	1,355.84	930.22	930.04	7.06	2.14	13.30	1,630.56	6,161.57	6,097.76	6,090.30	7.45	818.195		
1,500.00	1,444.84	984.77	984.48	7.92	2.33	13.58	1,629.50	6,164.83	6,058.21	6,050.12	8.09	748.939		
1,600.00	1,532.39	1,029.00	1,028.60	8.84	2.49	13.87	1,628.31	6,167.80	6,016.15	6,007.44	8.70	691.422		
1,700.00	1,618.11	1,029.00	1,028.60	9.83	2.49	14.11	1,628.31	6,167.80	5,972.11	5,962.93	9.17	650.974		
1,800.00	1,701.97	1,094.36	1,093.73	10.89	2.73	14.50	1,626.71	6,173.03	5,925.33	5,915.45	9.89	599.366		
1,900.00	1,783.88	1,158.00	1,157.05	12.02	2.97	14.91	1,625.86	6,179.30	5,877.05	5,866.45	10.60	554.247		
1,991.28	1,856.86	1,158.00	1,157.05	13.11	2.97	15.19	1,625.86	6,179.30	5,830.64	5,819.57	11.07	526.577		
2,000.00	1,863.75	1,158.00	1,157.05	13.21	2.97	15.19	1,625.86	6,179.30	5,826.14	5,815.02	11.12	523.853		
2,100.00	1,942.74	1,198.35	1,197.15	14.45	3.12	15.28	1,625.71	6,183.72	5,775.05	5,763.27	11.78	490.379		
2,200.00	2,021.72	1,246.84	1,245.33	15.69	3.30	15.38	1,625.96	6,189.22	5,724.54	5,712.07	12.47	459.039		
2,300.00	2,100.71	1,286.00	1,284.22	16.95	3.45	15.46	1,626.50	6,193.80	5,674.63	5,661.48	13.14	431.709		
2,400.00	2,179.70	1,331.70	1,329.56	18.21	3.62	15.55	1,627.68	6,199.38	5,625.39	5,611.54	13.85	406.131		
2,500.00	2,258.69	1,370.37	1,367.87	19.47	3.77	15.62	1,629.29	6,204.33	5,576.94	5,562.40	14.54	383.484		
2,600.00	2,337.68	1,414.00	1,411.05	20.74	3.94	15.69	1,631.76	6,210.16	5,529.26	5,514.00	15.26	362.403		
2,700.00	2,416.66	1,501.52	1,497.49	22.02	4.28	15.81	1,639.06	6,221.67	5,481.99	5,465.88	16.11	340.259		
2,800.00	2,495.65	1,641.86	1,635.84	23.29	4.82	15.94	1,656.29	6,237.71	5,433.92	5,416.79	17.13	317.197		
2,900.00	2,574.64	1,819.96	1,811.31	24.57	5.53	16.05	1,681.38	6,254.88	5,384.59	5,366.33	18.26	294.879		
3,000.00	2,653.63	1,924.86	1,914.71	25.85	5.95	16.12	1,696.46	6,264.10	5,334.83	5,315.64	19.19	278.066		
3,100.00	2,732.62	2,069.27	2,057.20	27.14	6.54	16.22	1,716.72	6,275.84	5,284.43	5,264.20	20.23	261.227		
3,200.00	2,811.61	2,136.63	2,123.72	28.42	6.82	16.26	1,725.98	6,281.16	5,233.77	5,212.71	21.05	248.583		
3,300.00	2,890.59	2,183.00	2,169.51	29.71	7.01	16.30	1,732.21	6,284.94	5,183.39	5,161.57	21.82	237.501		
3,400.00	2,969.58	2,255.07	2,240.66	31.00	7.31	16.36	1,741.83	6,291.20	5,133.39	5,110.71	22.68	226.370		
3,500.00	3,048.57	2,311.00	2,295.83	32.29	7.55	16.40	1,749.34	6,296.51	5,084.03	5,060.55	23.49	216.445		
3,600.00	3,127.56	2,508.12	2,490.46	33.58	8.38	16.57	1,775.66	6,313.24	5,033.64	5,008.95	24.69	203.856		
3,700.00	3,206.55	2,617.49	2,598.73	34.87	8.83	16.68	1,788.77	6,321.53	4,982.41	4,956.76	25.65	194.239		
3,800.00	3,285.53	2,716.73	2,697.10	36.16	9.24	16.79	1,799.54	6,328.93	4,930.88	4,904.29	26.58	185.484		
3,900.00	3,364.52	2,807.86	2,787.49	37.45	9.61	16.91	1,808.96	6,335.67	4,879.20	4,851.71	27.50	177.438		
4,000.00	3,443.51	2,917.92	2,896.70	38.74	10.06	17.06	1,820.09	6,343.54	4,827.31	4,798.85	28.46	169.624		
4,100.00	3,522.50	3,023.46	3,001.48	40.04	10.48	17.20	1,830.69	6,350.54	4,774.97	4,745.56	29.41	162.363		
4,200.00	3,601.49	3,121.43	3,098.74	41.33	10.88	17.33	1,840.70	6,356.64	4,722.34	4,692.00	30.34	155.634		
4,300.00	3,680.47	3,214.85	3,191.54	42.63	11.25	17.47	1,849.87	6,362.34	4,669.55	4,638.29	31.27	149.335		
4,400.00	3,759.46	3,298.39	3,274.55	43.92	11.58	17.60	1,857.78	6,367.43	4,616.71	4,584.53	32.18	143.474		
4,500.00	3,838.45	3,393.11	3,368.67	45.22	11.96	17.75	1,866.73	6,373.14	4,563.85	4,530.73	33.11	137.824		
4,600.00	3,917.44	3,468.00	3,443.06	46.51	12.26	17.86	1,874.27	6,377.32	4,510.74	4,476.73	34.01	132.615		
4,700.00	3,996.43	3,531.46	3,506.03	47.81	12.52	17.95	1,881.21	6,380.96	4,457.97	4,423.07	34.90	127.726		
4,800.00	4,075.42	3,596.00	3,569.96	49.10	12.78	18.03	1,889.01	6,385.18	4,405.96	4,370.17	35.80	123.083		
4,900.00	4,154.40	3,701.88	3,674.80	50.40	13.22	18.17	1,902.17	6,392.01	4,354.07	4,317.31	36.77	118.424		
5,000.00	4,233.39	3,785.92	3,758.08	51.70	13.57	18.28	1,912.31	6,396.96	4,301.61	4,263.90	37.70	114.090		
5,100.00	4,312.38	3,853.00	3,824.55	52.99	13.84	18.38	1,920.27	6,401.12	4,249.39	4,210.77	38.62	110.029		

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-20-01
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-20-01	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		
5,200.00	4,391.37	3,934.47	3,905.31	54.29	14.18	18.50	1,929.58	6,406.45	4,197.39	4,157.82	39.56	106.090		
5,300.00	4,470.36	4,024.88	3,994.97	55.59	14.55	18.65	1,939.38	6,412.61	4,145.54	4,105.01	40.53	102.287		
5,400.00	4,549.34	4,133.14	4,102.31	56.89	14.99	18.82	1,951.87	6,419.31	4,093.28	4,051.77	41.51	98.603		
5,500.00	4,628.33	4,227.51	4,195.82	58.18	15.38	18.96	1,963.33	6,424.68	4,040.74	3,998.25	42.48	95.118		
5,600.00	4,707.32	4,313.46	4,281.00	59.48	15.74	19.10	1,973.76	6,429.45	3,988.08	3,944.64	43.44	91.798		
5,700.00	4,786.31	4,395.63	4,362.50	60.78	16.07	19.24	1,983.18	6,434.12	3,935.45	3,891.04	44.41	88.614		
5,800.00	4,865.30	4,473.54	4,439.80	62.08	16.39	19.38	1,991.68	6,438.73	3,882.95	3,837.57	45.38	85.562		
5,900.00	4,944.28	4,548.47	4,514.16	63.38	16.70	19.52	1,999.74	6,443.35	3,830.65	3,784.29	46.36	82.628		
6,000.00	5,023.27	4,624.01	4,589.05	64.68	17.01	19.67	2,008.38	6,448.12	3,778.60	3,731.26	47.34	79.814		
6,100.00	5,102.26	4,757.87	4,721.75	65.97	17.56	19.91	2,024.17	6,455.74	3,726.11	3,677.75	48.35	77.059		
6,200.00	5,181.25	4,836.28	4,799.55	67.27	17.88	20.07	2,032.99	6,459.86	3,673.19	3,623.84	49.35	74.436		
6,300.00	5,260.24	4,908.62	4,871.40	68.57	18.17	20.23	2,040.53	6,463.86	3,620.41	3,570.06	50.35	71.901		
6,400.00	5,339.23	4,971.50	4,933.83	69.87	18.42	20.37	2,046.88	6,467.71	3,568.11	3,516.74	51.37	69.462		
6,500.00	5,418.21	5,034.04	4,995.92	71.17	18.68	20.53	2,053.12	6,471.94	3,516.36	3,463.97	52.40	67.111		
6,600.00	5,497.20	5,096.19	5,057.57	72.47	18.93	20.68	2,059.50	6,476.53	3,465.20	3,411.76	53.44	64.848		
6,700.00	5,576.19	5,168.89	5,129.62	73.77	19.24	20.86	2,067.28	6,482.30	3,414.59	3,360.10	54.49	62.669		
6,800.00	5,655.18	5,257.05	5,216.96	75.07	19.60	21.07	2,077.03	6,489.28	3,364.06	3,308.52	55.55	60.564		
6,900.00	5,734.17	5,353.27	5,312.28	76.37	20.01	21.31	2,087.85	6,496.69	3,313.41	3,256.80	56.61	58.531		
7,000.00	5,813.15	5,458.76	5,416.86	77.67	20.44	21.58	2,099.38	6,504.40	3,262.43	3,204.76	57.67	56.566		
7,100.00	5,892.14	5,547.75	5,505.19	78.97	20.81	21.84	2,108.27	6,510.51	3,210.99	3,152.22	58.76	54.643		
7,200.00	5,971.13	5,611.35	5,568.31	80.27	21.07	22.03	2,114.50	6,515.18	3,159.97	3,100.09	59.88	52.771		
7,300.00	6,050.12	5,689.53	5,645.86	81.57	21.39	22.27	2,122.15	6,521.39	3,109.50	3,048.49	61.00	50.972		
7,400.00	6,129.11	5,790.12	5,745.69	82.86	21.80	22.60	2,131.78	6,529.19	3,058.92	2,996.79	62.12	49.239		
7,500.00	6,208.09	5,895.68	5,850.58	84.16	22.23	22.97	2,141.38	6,536.29	3,007.36	2,944.11	63.25	47.547		
7,600.00	6,287.08	5,969.03	5,923.44	85.46	22.52	23.23	2,148.21	6,541.11	2,955.91	2,891.49	64.43	45.881		
7,700.00	6,366.07	6,033.00	5,986.87	86.76	22.79	23.44	2,154.91	6,546.01	2,905.46	2,839.84	65.62	44.275		
7,800.00	6,445.06	6,183.69	6,136.40	88.06	23.40	23.98	2,170.46	6,556.17	2,854.39	2,787.69	66.69	42.798		
7,900.00	6,524.05	6,282.82	6,234.90	89.36	23.80	24.36	2,180.39	6,561.39	2,802.04	2,734.19	67.86	41.294		
8,000.00	6,603.03	6,336.54	6,288.25	90.66	24.02	24.56	2,186.04	6,564.30	2,749.96	2,680.82	69.14	39.776		
8,100.00	6,682.02	6,388.10	6,339.36	91.96	24.23	24.75	2,191.87	6,567.69	2,698.96	2,628.53	70.44	38.318		
8,133.44	6,708.44	6,417.00	6,367.97	92.40	24.35	24.86	2,195.32	6,569.85	2,682.20	2,611.35	70.85	37.860		
8,150.00	6,721.39	6,417.00	6,367.97	92.62	24.35	23.63	2,195.32	6,569.85	2,673.69	2,602.60	71.08	37.614		
8,200.00	6,758.90	6,457.22	6,407.78	93.34	24.52	20.48	2,200.13	6,572.96	2,645.71	2,574.03	71.68	36.910		
8,250.00	6,793.76	6,499.76	6,449.91	94.13	24.70	17.80	2,205.04	6,576.21	2,614.22	2,541.99	72.23	36.192		
8,300.00	6,825.72	6,539.10	6,488.89	95.00	24.86	15.42	2,209.44	6,579.17	2,579.46	2,506.72	72.74	35.461		
8,350.00	6,854.52	6,570.48	6,520.00	95.93	25.00	13.15	2,212.89	6,581.51	2,541.72	2,468.51	73.21	34.720		
8,400.00	6,879.97	6,597.97	6,547.23	96.92	25.11	10.85	2,215.94	6,583.58	2,501.33	2,427.72	73.61	33.980		
8,450.00	6,901.84	6,622.23	6,571.27	97.95	25.21	8.30	2,218.67	6,585.43	2,458.59	2,384.64	73.94	33.249		
8,500.00	6,920.00	6,643.07	6,591.91	99.02	25.30	5.18	2,221.04	6,587.02	2,413.81	2,339.62	74.20	32.532		
8,550.00	6,934.28	6,660.32	6,609.00	100.12	25.37	0.90	2,223.02	6,588.35	2,367.34	2,292.97	74.37	31.832		
8,600.00	6,944.59	6,674.00	6,622.54	101.22	25.43	-5.82	2,224.60	6,589.40	2,319.51	2,245.06	74.45	31.154		
8,650.00	6,950.84	6,685.40	6,633.83	102.33	25.48	-18.23	2,225.91	6,590.28	2,270.70	2,196.26	74.44	30.504		
8,701.16	6,953.00	6,692.20	6,640.57	103.44	25.51	-45.21	2,226.70	6,590.81	2,220.11	2,145.78	74.33	29.868		
8,800.00	6,953.00	6,700.52	6,648.81	105.59	25.54	-46.60	2,227.65	6,591.44	2,122.04	2,048.03	74.01	28.672		
8,900.00	6,953.00	6,708.87	6,657.08	107.79	25.58	-48.05	2,228.61	6,592.08	2,022.87	1,949.21	73.65	27.465		
9,000.00	6,953.00	6,717.15	6,665.28	110.02	25.61	-49.54	2,229.55	6,592.70	1,923.74	1,850.49	73.26	26.260		
9,100.00	6,953.00	6,725.35	6,673.41	112.26	25.64	-51.08	2,230.49	6,593.32	1,824.68	1,751.86	72.82	25.058		
9,200.00	6,953.00	6,733.49	6,681.47	114.52	25.68	-52.65	2,231.41	6,593.93	1,725.69	1,653.36	72.33	23.858		
9,300.00	6,953.00	6,741.55	6,689.45	116.80	25.71	-54.26	2,232.32	6,594.54	1,626.79	1,555.00	71.79	22.660		
9,400.00	6,953.00	6,749.54	6,697.37	119.10	25.75	-55.90	2,233.23	6,595.13	1,528.00	1,456.80	71.19	21.462		
9,500.00	6,953.00	6,757.46	6,705.22	121.42	25.78	-57.59	2,234.12	6,595.72	1,429.32	1,358.79	70.53	20.265		
9,600.00	6,953.00	6,765.32	6,713.01	123.75	25.81	-59.31	2,235.00	6,596.30	1,330.81	1,261.01	69.80	19.066		

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-20-01
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-20-01	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		
9,700.00	6,953.00	6,773.11	6,720.73	126.10	25.84	-61.06	2,235.87	6,596.87	1,232.48	1,163.49	69.00	17.863		
9,800.00	6,953.00	6,780.83	6,728.38	128.46	25.88	-62.83	2,236.74	6,597.44	1,134.40	1,066.27	68.13	16.651		
9,900.00	6,953.00	6,788.49	6,735.97	130.84	25.91	-64.64	2,237.59	6,598.00	1,036.63	969.42	67.21	15.423		
10,000.00	6,953.00	6,796.08	6,743.50	133.23	25.94	-66.47	2,238.43	6,598.55	939.28	872.98	66.30	14.168		
10,100.00	6,953.00	6,803.97	6,751.32	135.63	25.97	-68.41	2,239.31	6,599.12	842.47	777.00	65.47	12.868		
10,200.00	6,953.00	6,812.87	6,760.14	138.04	26.01	-70.65	2,240.28	6,599.75	746.43	681.50	64.93	11.495		
10,300.00	6,953.00	6,821.34	6,768.54	140.46	26.04	-72.81	2,241.19	6,600.33	651.49	586.30	65.19	9.994		
10,400.00	6,953.00	6,829.41	6,776.55	142.90	26.08	-74.90	2,242.04	6,600.88	558.21	491.06	67.15	8.313		
10,500.00	6,953.00	6,837.10	6,784.18	145.34	26.11	-76.91	2,242.83	6,601.39	467.61	395.14	72.47	6.452		
10,600.00	6,953.00	6,844.45	6,791.47	147.80	26.14	-78.85	2,243.58	6,601.86	381.60	297.81	83.80	4.554		
10,700.00	6,953.00	6,851.46	6,798.44	150.26	26.16	-80.72	2,244.28	6,602.30	304.12	199.51	104.61	2.907		
10,800.00	6,953.00	6,858.18	6,805.11	152.73	26.19	-82.51	2,244.94	6,602.71	243.47	106.43	137.04	1.777		
10,900.00	6,953.00	6,864.61	6,811.49	155.21	26.22	-84.23	2,245.56	6,603.10	214.43	43.32	171.11	1.253 Level 3		
10,916.72	6,953.00	6,865.65	6,812.54	155.63	26.22	-84.51	2,245.66	6,603.16	213.78	38.71	175.07	1.221 Level 2, CC, ES, SF		
11,000.00	6,953.00	6,870.77	6,817.62	157.70	26.24	-85.87	2,246.14	6,603.47	229.37	47.24	182.13	1.259 Level 3		
11,100.00	6,953.00	6,876.67	6,823.49	160.20	26.26	-87.45	2,246.69	6,603.81	281.38	110.27	171.11	1.644		
11,200.00	6,953.00	6,882.35	6,829.13	162.70	26.29	-88.97	2,247.21	6,604.13	354.50	198.61	155.89	2.274		
11,300.00	6,953.00	6,887.80	6,834.55	165.21	26.31	-90.41	2,247.71	6,604.43	438.29	294.99	143.31	3.058		
11,400.00	6,953.00	6,893.04	6,839.76	167.73	26.33	-91.80	2,248.18	6,604.72	527.71	393.87	133.84	3.943		
11,500.00	6,953.00	6,898.08	6,844.78	170.25	26.35	-93.12	2,248.62	6,604.98	620.32	493.57	126.74	4.894		
11,600.00	6,953.00	6,902.94	6,849.61	172.78	26.37	-94.39	2,249.05	6,605.24	714.88	593.54	121.34	5.892		
11,700.00	6,953.00	6,907.62	6,854.27	175.31	26.39	-95.61	2,249.45	6,605.48	810.73	693.59	117.13	6.921		
11,800.00	6,953.00	6,912.13	6,858.76	177.85	26.41	-96.77	2,249.83	6,605.71	907.44	793.65	113.79	7.975		
11,900.00	6,953.00	6,916.49	6,863.09	180.40	26.42	-97.88	2,250.19	6,605.92	1,004.78	893.70	111.07	9.046		
12,000.00	6,953.00	6,920.69	6,867.28	182.95	26.44	-98.95	2,250.54	6,606.13	1,102.57	993.73	108.84	10.130		
12,100.00	6,953.00	6,930.00	6,876.54	185.50	26.48	-101.27	2,251.29	6,606.57	1,200.72	1,093.61	107.11	11.210		
12,200.00	6,953.00	6,930.00	6,876.54	188.06	26.48	-101.27	2,251.29	6,606.57	1,299.12	1,193.69	105.42	12.323		
12,300.00	6,953.00	6,930.00	6,876.54	190.63	26.48	-101.27	2,251.29	6,606.57	1,397.74	1,293.77	103.98	13.443		
12,400.00	6,953.00	6,937.00	6,883.51	193.20	26.50	-102.99	2,251.85	6,606.89	1,496.53	1,393.64	102.89	14.545		
12,500.00	6,953.00	6,941.14	6,887.64	195.77	26.52	-103.99	2,252.17	6,607.08	1,595.46	1,493.58	101.88	15.660		
12,600.00	6,953.00	6,945.21	6,891.69	198.35	26.53	-104.96	2,252.49	6,607.27	1,694.51	1,593.51	101.00	16.777		
12,700.00	6,953.00	6,949.23	6,895.69	200.93	26.55	-105.91	2,252.80	6,607.45	1,793.65	1,693.42	100.23	17.896		
12,800.00	6,953.00	6,953.18	6,899.63	203.51	26.56	-106.83	2,253.10	6,607.62	1,892.87	1,793.33	99.54	19.016		
12,900.00	6,953.00	6,957.07	6,903.50	206.10	26.58	-107.73	2,253.40	6,607.80	1,992.16	1,893.24	98.93	20.138		
13,000.00	6,953.00	6,960.90	6,907.32	208.69	26.59	-108.60	2,253.69	6,607.96	2,091.51	1,993.14	98.38	21.260		
13,100.00	6,953.00	6,964.68	6,911.08	211.29	26.61	-109.45	2,253.97	6,608.13	2,190.92	2,093.03	97.88	22.383		
13,200.00	6,953.00	6,968.40	6,914.79	213.88	26.62	-110.27	2,254.25	6,608.29	2,290.36	2,192.92	97.44	23.506		
13,300.00	6,953.00	6,972.06	6,918.44	216.48	26.64	-111.08	2,254.52	6,608.45	2,389.85	2,292.81	97.04	24.628		
13,400.00	6,953.00	6,975.67	6,922.04	219.09	26.65	-111.86	2,254.78	6,608.60	2,489.37	2,392.70	96.67	25.751		
13,500.00	6,953.00	6,979.23	6,925.59	221.69	26.66	-112.62	2,255.04	6,608.75	2,588.92	2,492.58	96.34	26.873		
13,600.00	6,953.00	6,982.74	6,929.08	224.30	26.68	-113.36	2,255.29	6,608.90	2,688.50	2,592.47	96.04	27.995		
13,700.00	6,953.00	6,986.20	6,932.53	226.92	26.69	-114.08	2,255.54	6,609.04	2,788.11	2,692.35	95.76	29.116		
13,800.00	6,953.00	6,989.61	6,935.93	229.53	26.70	-114.78	2,255.78	6,609.18	2,887.74	2,792.23	95.51	30.236		
13,900.00	6,953.00	6,992.97	6,939.27	232.15	26.71	-115.46	2,256.02	6,609.32	2,987.38	2,892.11	95.27	31.356		
14,000.00	6,953.00	6,996.28	6,942.58	234.77	26.73	-116.13	2,256.25	6,609.46	3,087.05	2,991.99	95.06	32.475		
14,100.00	6,953.00	6,999.55	6,945.84	237.39	26.74	-116.77	2,256.48	6,609.59	3,186.73	3,091.87	94.86	33.593		
14,200.00	6,953.00	7,002.78	6,949.05	240.01	26.75	-117.40	2,256.70	6,609.72	3,286.43	3,191.75	94.68	34.710		
14,300.00	6,953.00	7,005.95	6,952.22	242.64	26.76	-118.01	2,256.92	6,609.85	3,386.14	3,291.62	94.52	35.826		
14,400.00	6,953.00	7,009.09	6,955.34	245.27	26.77	-118.61	2,257.13	6,609.97	3,485.87	3,391.50	94.36	36.941		
14,500.00	6,953.00	7,012.18	6,958.43	247.90	26.79	-119.19	2,257.34	6,610.09	3,585.60	3,491.38	94.22	38.055		
14,600.00	6,953.00	7,015.23	6,961.47	250.53	26.80	-119.76	2,257.55	6,610.21	3,685.35	3,591.26	94.09	39.167		
14,700.00	6,953.00	7,018.25	6,964.47	253.16	26.81	-120.31	2,257.75	6,610.33	3,785.11	3,691.14	93.97	40.279		

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-20-01
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-20-01	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	
14,800.00	6,953.00	7,021.22	6,967.43	255.80	26.82	-120.85	2,257.94	6,610.45	3,884.88	3,791.01	93.86	41.389	
14,900.00	6,953.00	7,024.15	6,970.36	258.43	26.83	-121.37	2,258.14	6,610.56	3,984.65	3,890.89	93.76	42.499	
15,000.00	6,953.00	7,027.04	6,973.24	261.07	26.84	-121.88	2,258.33	6,610.67	4,084.44	3,990.77	93.67	43.607	
15,100.00	6,953.00	7,029.90	6,976.09	263.71	26.85	-122.38	2,258.51	6,610.78	4,184.23	4,090.65	93.58	44.713	
15,200.00	6,953.00	7,032.72	6,978.90	266.36	26.86	-122.86	2,258.69	6,610.88	4,284.03	4,190.53	93.50	45.819	
15,300.00	6,953.00	7,035.50	6,981.68	269.00	26.87	-123.34	2,258.87	6,610.99	4,383.84	4,290.41	93.43	46.923	
15,400.00	6,953.00	7,038.25	6,984.42	271.65	26.88	-123.80	2,259.04	6,611.09	4,483.65	4,390.29	93.36	48.026	
15,500.00	6,953.00	7,040.96	6,987.12	274.29	26.89	-124.25	2,259.22	6,611.19	4,583.47	4,490.17	93.30	49.128	
15,600.00	6,953.00	7,059.00	7,005.12	276.94	26.96	-127.11	2,260.33	6,611.84	4,683.32	4,589.88	93.44	50.119	
15,700.00	6,953.00	7,059.00	7,005.12	279.59	26.96	-127.11	2,260.33	6,611.84	4,783.14	4,689.79	93.36	51.235	
15,800.00	6,953.00	7,059.00	7,005.12	282.24	26.96	-127.11	2,260.33	6,611.84	4,882.97	4,789.69	93.27	52.351	
15,900.00	6,953.00	7,059.00	7,005.12	284.90	26.96	-127.11	2,260.33	6,611.84	4,982.80	4,889.60	93.20	53.465	
16,000.00	6,953.00	7,059.00	7,005.12	287.55	26.96	-127.11	2,260.33	6,611.84	5,082.64	4,989.51	93.13	54.577	
16,100.00	6,953.00	7,059.00	7,005.12	290.20	26.96	-127.11	2,260.33	6,611.84	5,182.49	5,089.43	93.06	55.689	
16,200.00	6,953.00	7,059.00	7,005.12	292.86	26.96	-127.11	2,260.33	6,611.84	5,282.34	5,189.34	93.00	56.800	
16,300.00	6,953.00	7,059.00	7,005.12	295.52	26.96	-127.11	2,260.33	6,611.84	5,382.19	5,289.25	92.94	57.910	
16,400.00	6,953.00	7,059.00	7,005.12	298.18	26.96	-127.11	2,260.33	6,611.84	5,482.06	5,389.17	92.89	59.018	
16,500.00	6,953.00	7,059.00	7,005.12	300.84	26.96	-127.11	2,260.33	6,611.84	5,581.92	5,489.08	92.84	60.125	
16,600.00	6,953.00	7,070.67	7,016.76	303.50	27.00	-128.85	2,261.02	6,612.25	5,681.78	5,588.85	92.93	61.138	
16,700.00	6,953.00	7,073.53	7,019.61	306.16	27.01	-129.26	2,261.18	6,612.35	5,781.65	5,688.72	92.93	62.218	
16,800.00	6,953.00	7,076.37	7,022.44	308.82	27.02	-129.66	2,261.34	6,612.45	5,881.52	5,788.60	92.92	63.297	
16,900.00	6,953.00	7,079.19	7,025.25	311.49	27.03	-130.06	2,261.50	6,612.54	5,981.39	5,888.48	92.92	64.374	
17,000.00	6,953.00	7,081.98	7,028.04	314.15	27.04	-130.44	2,261.66	6,612.64	6,081.27	5,988.35	92.92	65.450	
17,100.00	6,953.00	7,084.76	7,030.82	316.82	27.05	-130.82	2,261.82	6,612.74	6,181.15	6,088.23	92.92	66.523	
17,200.00	6,953.00	7,087.52	7,033.57	319.48	27.06	-131.20	2,261.97	6,612.83	6,281.03	6,188.11	92.92	67.596	
17,300.00	6,953.00	7,090.25	7,036.30	322.15	27.07	-131.56	2,262.12	6,612.92	6,380.91	6,287.99	92.93	68.666	
17,400.00	6,953.00	7,092.97	7,039.01	324.82	27.08	-131.92	2,262.26	6,613.01	6,480.80	6,387.86	92.93	69.735	
17,500.00	6,953.00	7,095.67	7,041.71	327.49	27.09	-132.27	2,262.41	6,613.11	6,580.69	6,487.74	92.94	70.802	
17,600.00	6,953.00	7,098.35	7,044.38	330.16	27.10	-132.62	2,262.55	6,613.20	6,680.58	6,587.62	92.96	71.868	
17,700.00	6,953.00	7,101.01	7,047.04	332.83	27.11	-132.96	2,262.69	6,613.29	6,780.47	6,687.50	92.97	72.931	
17,800.00	6,953.00	7,103.66	7,049.68	335.50	27.12	-133.29	2,262.83	6,613.37	6,880.36	6,787.38	92.99	73.994	
17,900.00	6,953.00	7,106.28	7,052.30	338.17	27.13	-133.62	2,262.97	6,613.46	6,980.26	6,887.25	93.00	75.054	
18,000.00	6,953.00	7,108.89	7,054.90	340.85	27.14	-133.94	2,263.10	6,613.55	7,080.15	6,987.13	93.02	76.113	
18,100.00	6,953.00	7,111.48	7,057.48	343.52	27.15	-134.26	2,263.23	6,613.63	7,180.05	7,087.01	93.04	77.170	
18,200.00	6,953.00	7,114.05	7,060.05	346.19	27.16	-134.56	2,263.36	6,613.72	7,279.95	7,186.89	93.06	78.225	
18,300.00	6,953.00	7,116.60	7,062.60	348.87	27.17	-134.87	2,263.49	6,613.80	7,379.86	7,286.77	93.09	79.278	
18,400.00	6,953.00	7,119.14	7,065.13	351.55	27.18	-135.17	2,263.61	6,613.88	7,479.76	7,386.65	93.11	80.330	
18,500.00	6,953.00	7,121.66	7,067.65	354.22	27.19	-135.46	2,263.74	6,613.97	7,579.66	7,486.53	93.14	81.380	
18,600.00	6,953.00	7,124.16	7,070.15	356.90	27.20	-135.75	2,263.86	6,614.05	7,679.57	7,586.40	93.17	82.429	
18,700.00	6,953.00	7,126.65	7,072.63	359.58	27.20	-136.03	2,263.98	6,614.13	7,779.48	7,686.28	93.20	83.475	
18,800.00	6,953.00	7,129.12	7,075.09	362.26	27.21	-136.31	2,264.09	6,614.21	7,879.39	7,786.16	93.23	84.520	
18,900.00	6,953.00	7,131.57	7,077.54	364.94	27.22	-136.58	2,264.21	6,614.29	7,979.30	7,886.04	93.26	85.563	
19,000.00	6,953.00	7,134.01	7,079.97	367.62	27.23	-136.85	2,264.32	6,614.36	8,079.21	7,985.92	93.29	86.604	
19,073.74	6,953.00	7,135.79	7,081.76	369.59	27.24	-137.05	2,264.40	6,614.42	8,152.89	8,059.57	93.31	87.371	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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	75.63	1,576.34	6,153.57	6,352.29	6,352.02	0.27	N/A		
200.00	199.98	76.54	76.54	0.63	0.12	12.20	1,576.46	6,153.56	6,350.58	6,349.83	0.75	8,477.467		
300.00	299.84	210.67	210.67	0.99	0.50	12.23	1,576.86	6,153.32	6,345.41	6,343.92	1.49	4,266.008		
400.00	399.45	345.84	345.83	1.36	0.98	12.29	1,577.01	6,151.86	6,335.78	6,333.44	2.34	2,713.331		
500.00	498.70	465.60	465.58	1.76	1.40	12.37	1,577.27	6,150.04	6,322.42	6,319.29	3.13	2,017.768		
600.00	597.47	556.68	556.64	2.18	1.73	12.46	1,577.33	6,148.79	6,305.84	6,302.01	3.83	1,645.731		
700.00	695.62	647.02	646.98	2.63	2.06	12.58	1,577.41	6,147.65	6,286.02	6,281.49	4.53	1,387.199		
800.00	793.06	783.41	783.35	3.11	2.54	12.75	1,577.68	6,145.55	6,262.64	6,257.23	5.40	1,159.332		
900.00	889.64	842.19	842.13	3.64	2.75	12.90	1,577.28	6,144.81	6,235.99	6,230.00	5.99	1,040.526		
1,000.00	985.27	900.00	899.93	4.22	2.95	13.08	1,576.42	6,144.47	6,206.58	6,199.99	6.59	941.950		
1,100.00	1,079.82	958.33	958.24	4.84	3.15	13.29	1,575.11	6,144.59	6,174.49	6,167.30	7.19	858.782		
1,200.00	1,173.17	1,028.00	1,027.88	5.52	3.39	13.55	1,573.03	6,145.45	6,139.89	6,132.06	7.84	783.408		
1,300.00	1,265.21	1,061.61	1,061.46	6.26	3.50	13.78	1,571.80	6,146.15	6,102.68	6,094.30	8.37	728.805		
1,400.00	1,355.84	1,111.19	1,110.98	7.06	3.67	14.06	1,569.70	6,147.54	6,063.02	6,054.05	8.97	675.628		
1,500.00	1,444.84	1,157.00	1,156.70	7.92	3.83	14.37	1,567.45	6,149.20	6,020.92	6,011.35	9.57	628.977		
1,600.00	1,532.39	1,223.39	1,222.92	8.84	4.06	14.75	1,563.77	6,152.09	5,976.28	5,966.03	10.26	582.747		
1,700.00	1,618.11	1,285.00	1,284.34	9.83	4.27	15.17	1,560.03	6,155.12	5,929.07	5,918.14	10.93	542.295		
1,800.00	1,701.97	1,350.60	1,349.68	10.89	4.51	15.64	1,555.51	6,158.73	5,879.28	5,867.64	11.64	505.015		
1,900.00	1,783.88	1,413.00	1,411.77	12.02	4.73	16.15	1,550.52	6,162.51	5,826.93	5,814.58	12.35	471.708		
1,991.28	1,856.86	1,465.48	1,463.94	13.11	4.92	16.65	1,545.94	6,165.97	5,777.02	5,764.02	13.00	444.276		
2,000.00	1,863.75	1,470.28	1,468.71	13.21	4.94	16.67	1,545.51	6,166.30	5,772.15	5,759.09	13.07	441.671		
2,100.00	1,942.74	1,542.00	1,539.93	14.45	5.20	16.91	1,538.87	6,171.49	5,716.68	5,702.85	13.83	413.225		
2,200.00	2,021.72	1,580.81	1,578.44	15.69	5.35	17.04	1,535.14	6,174.50	5,661.58	5,647.08	14.50	390.364		
2,300.00	2,100.71	1,636.50	1,633.68	16.95	5.56	17.24	1,529.71	6,179.05	5,606.97	5,591.72	15.24	367.807		
2,400.00	2,179.70	1,696.57	1,693.22	18.21	5.79	17.46	1,523.74	6,184.24	5,552.79	5,536.78	16.02	346.723		
2,500.00	2,258.69	1,763.02	1,759.08	19.47	6.05	17.70	1,517.05	6,190.19	5,498.97	5,482.14	16.82	326.882		
2,600.00	2,337.68	1,834.35	1,829.73	20.74	6.33	17.97	1,509.77	6,196.76	5,445.44	5,427.78	17.66	308.336		
2,700.00	2,416.66	1,910.89	1,905.50	22.02	6.63	18.26	1,501.76	6,203.93	5,392.12	5,373.59	18.53	290.983		
2,800.00	2,495.65	1,983.59	1,977.45	23.29	6.92	18.55	1,493.90	6,210.85	5,339.00	5,319.60	19.40	275.177		
2,900.00	2,574.64	2,055.62	2,048.68	24.57	7.22	18.85	1,485.80	6,217.89	5,286.16	5,265.87	20.28	260.612		
3,000.00	2,653.63	2,145.29	2,137.35	25.85	7.58	19.22	1,475.79	6,226.63	5,233.44	5,212.20	21.24	246.372		
3,100.00	2,732.62	2,235.16	2,226.30	27.14	7.95	19.59	1,466.18	6,235.15	5,180.73	5,158.52	22.21	233.251		
3,200.00	2,811.61	2,322.22	2,312.48	28.42	8.31	19.96	1,456.91	6,243.25	5,128.02	5,104.84	23.18	221.220		
3,300.00	2,890.59	2,394.51	2,384.04	29.71	8.61	20.28	1,449.22	6,249.99	5,075.48	5,051.37	24.11	210.512		
3,400.00	2,969.58	2,481.05	2,469.71	31.00	8.97	20.66	1,440.07	6,258.15	5,023.19	4,998.09	25.10	200.117		
3,500.00	3,048.57	2,583.97	2,571.69	32.29	9.39	21.11	1,429.64	6,267.36	4,970.72	4,944.56	26.16	190.019		
3,600.00	3,127.56	2,664.40	2,651.41	33.58	9.73	21.47	1,421.58	6,274.39	4,918.26	4,891.11	27.15	181.158		
3,700.00	3,206.55	2,749.25	2,735.48	34.87	10.08	21.87	1,412.81	6,281.82	4,865.94	4,837.77	28.17	172.735		
3,800.00	3,285.53	2,835.62	2,820.96	36.16	10.44	22.29	1,403.06	6,289.36	4,813.69	4,784.47	29.21	164.775		
3,900.00	3,364.52	2,915.34	2,899.82	37.45	10.78	22.69	1,393.72	6,296.33	4,761.58	4,731.32	30.25	157.396		
4,000.00	3,443.51	3,000.90	2,984.48	38.74	11.15	23.12	1,383.79	6,303.76	4,709.63	4,678.31	31.32	150.352		
4,100.00	3,522.50	3,092.13	3,074.82	40.04	11.53	23.59	1,373.73	6,311.43	4,657.72	4,625.30	32.43	143.639		
4,200.00	3,601.49	3,160.71	3,142.77	41.33	11.82	23.94	1,366.42	6,317.19	4,606.03	4,572.57	33.46	137.653		
4,300.00	3,680.47	3,237.05	3,218.41	42.63	12.14	24.34	1,358.37	6,323.73	4,554.69	4,520.15	34.54	131.877		
4,400.00	3,759.46	3,325.53	3,306.04	43.92	12.51	24.82	1,348.79	6,331.25	4,503.49	4,467.81	35.67	126.244		
4,500.00	3,838.45	3,399.73	3,379.50	45.22	12.83	25.23	1,340.41	6,337.54	4,452.46	4,415.68	36.78	121.057		
4,600.00	3,917.44	3,467.00	3,446.04	46.51	13.12	25.62	1,332.45	6,343.39	4,401.82	4,363.94	37.88	116.199		
4,700.00	3,996.43	3,534.93	3,513.18	47.81	13.42	26.02	1,324.14	6,349.50	4,351.65	4,312.64	39.01	111.557		
4,800.00	4,075.42	3,595.00	3,572.52	49.10	13.68	26.38	1,316.64	6,355.12	4,302.03	4,261.91	40.12	107.218		
4,900.00	4,154.40	3,665.04	3,641.63	50.40	13.99	26.82	1,307.61	6,361.94	4,252.97	4,211.66	41.30	102.973		
5,000.00	4,233.39	3,724.00	3,699.76	51.70	14.25	27.19	1,299.72	6,367.87	4,204.46	4,162.01	42.46	99.030		
5,100.00	4,312.38	3,801.96	3,776.59	52.99	14.60	27.70	1,289.24	6,375.93	4,156.47	4,112.76	43.71	95.095		

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-20-01
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-20-01	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		
5,200.00	4,391.37	3,880.62	3,854.13	54.29	14.95	28.21	1,278.92	6,384.22	4,108.96	4,063.98	44.98	91.349		
5,300.00	4,470.36	3,978.01	3,950.23	55.59	15.39	28.86	1,266.68	6,394.22	4,061.56	4,015.22	46.34	87.640		
5,400.00	4,549.34	4,057.08	4,028.33	56.89	15.73	29.38	1,257.19	6,402.17	4,014.33	3,966.68	47.65	84.248		
5,500.00	4,628.33	4,134.32	4,104.65	58.18	16.07	29.90	1,248.27	6,409.97	3,967.47	3,918.50	48.96	81.027		
5,600.00	4,707.32	4,208.82	4,178.31	59.48	16.40	30.40	1,240.16	6,417.60	3,921.05	3,870.77	50.29	77.976		
5,700.00	4,786.31	4,298.50	4,267.03	60.78	16.79	31.01	1,230.86	6,426.82	3,875.00	3,823.32	51.68	74.980		
5,800.00	4,865.30	4,391.31	4,358.86	62.08	17.19	31.66	1,221.07	6,436.01	3,828.98	3,775.87	53.11	72.092		
5,900.00	4,944.28	4,472.87	4,439.56	63.38	17.54	32.25	1,212.30	6,443.98	3,783.23	3,728.70	54.53	69.379		
6,000.00	5,023.27	4,559.56	4,505.53	64.68	17.83	32.73	1,205.06	6,450.56	3,737.96	3,682.04	55.92	66.850		
6,100.00	5,102.26	4,601.46	4,566.73	65.97	18.10	33.19	1,198.43	6,456.98	3,693.48	3,636.17	57.31	64.453		
6,200.00	5,181.25	4,710.77	4,674.83	67.27	18.58	34.02	1,186.82	6,468.34	3,649.44	3,590.54	58.91	61.952		
6,300.00	5,260.24	4,824.84	4,787.75	68.57	19.07	34.90	1,174.64	6,479.02	3,604.95	3,544.39	60.56	59.530		
6,400.00	5,339.23	4,925.12	4,887.07	69.87	19.50	35.71	1,163.85	6,487.65	3,560.30	3,498.11	62.18	57.256		
6,500.00	5,418.21	5,019.31	4,980.38	71.17	19.90	36.48	1,153.59	6,495.33	3,515.76	3,451.95	63.82	55.092		
6,600.00	5,497.20	5,119.75	5,079.97	72.47	20.33	37.32	1,143.11	6,503.06	3,471.30	3,405.80	65.50	52.999		
6,700.00	5,576.19	5,195.78	5,155.41	73.77	20.64	37.97	1,135.54	6,508.73	3,427.08	3,359.97	67.11	51.066		
6,800.00	5,655.18	5,268.59	5,227.64	75.07	20.95	38.60	1,128.23	6,514.31	3,383.53	3,314.79	68.74	49.220		
6,900.00	5,734.17	5,349.43	5,307.84	76.37	21.29	39.31	1,120.23	6,520.59	3,340.57	3,270.13	70.44	47.427		
7,000.00	5,813.15	5,435.20	5,392.94	77.67	21.65	40.07	1,111.86	6,527.20	3,298.09	3,225.91	72.18	45.692		
7,100.00	5,892.14	5,524.75	5,481.75	78.97	22.02	40.91	1,102.41	6,533.74	3,255.94	3,181.96	73.98	44.009		
7,200.00	5,971.13	5,584.83	5,541.31	80.27	22.28	41.48	1,095.81	6,538.19	3,214.54	3,138.84	75.71	42.460		
7,300.00	6,050.12	5,647.00	5,602.90	81.57	22.54	42.08	1,088.97	6,543.12	3,174.19	3,096.72	77.47	40.975		
7,400.00	6,129.11	5,705.23	5,660.56	82.86	22.80	42.65	1,082.57	6,548.11	3,134.98	3,055.74	79.24	39.565		
7,500.00	6,208.09	5,775.00	5,729.61	84.16	23.10	43.34	1,074.98	6,554.65	3,097.02	3,015.94	81.09	38.195		
7,600.00	6,287.08	5,825.91	5,779.96	85.46	23.32	43.85	1,069.47	6,559.77	3,060.23	2,977.36	82.87	36.929		
7,700.00	6,366.07	5,889.33	5,842.65	86.76	23.60	44.49	1,062.58	6,566.47	3,024.63	2,939.90	84.74	35.694		
7,800.00	6,445.06	6,000.07	5,952.11	88.06	24.09	45.63	1,050.52	6,578.08	2,989.75	2,902.86	86.89	34.409		
7,900.00	6,524.05	6,101.52	6,052.50	89.36	24.53	46.70	1,039.36	6,587.57	2,954.72	2,865.68	89.04	33.186		
8,000.00	6,603.03	6,183.47	6,133.60	90.66	24.88	47.59	1,030.13	6,594.80	2,920.16	2,829.04	91.12	32.048		
8,100.00	6,682.02	6,246.91	6,196.37	91.96	25.16	48.29	1,022.98	6,600.64	2,886.73	2,793.61	93.13	30.997		
8,133.44	6,708.44	6,268.24	6,217.47	92.40	25.25	48.53	1,020.59	6,602.70	2,875.85	2,782.04	93.81	30.657		
8,150.00	6,721.39	6,288.00	6,237.01	92.62	25.34	47.82	1,018.38	6,604.64	2,870.32	2,776.12	94.20	30.471		
8,200.00	6,758.90	6,325.57	6,274.17	93.34	25.50	46.04	1,014.23	6,608.32	2,851.09	2,755.81	95.28	29.923		
8,250.00	6,793.76	6,376.18	6,324.25	94.13	25.72	45.27	1,008.82	6,613.10	2,828.16	2,731.68	96.47	29.315		
8,300.00	6,825.72	6,423.16	6,370.79	95.00	25.93	45.23	1,003.97	6,617.37	2,801.70	2,704.02	97.68	28.683		
8,350.00	6,854.52	6,444.38	6,391.81	95.93	26.02	45.50	1,001.77	6,619.30	2,772.10	2,673.33	98.76	28.068		
8,400.00	6,879.97	6,466.43	6,413.64	96.92	26.11	46.47	999.43	6,621.33	2,739.64	2,639.77	99.87	27.431		
8,450.00	6,901.84	6,486.04	6,433.04	97.95	26.20	48.14	997.31	6,623.17	2,704.55	2,603.57	100.98	26.782		
8,500.00	6,920.00	6,503.04	6,449.87	99.02	26.27	50.58	995.44	6,624.78	2,667.08	2,565.00	102.08	26.127		
8,550.00	6,934.28	6,517.33	6,464.00	100.12	26.34	53.93	993.85	6,626.15	2,627.46	2,524.31	103.16	25.470		
8,600.00	6,944.59	6,528.78	6,475.32	101.22	26.39	58.38	992.55	6,627.25	2,585.99	2,481.78	104.21	24.816		
8,650.00	6,950.84	6,545.00	6,491.36	102.33	26.46	64.49	990.70	6,628.84	2,542.94	2,437.67	105.27	24.155		
8,701.16	6,953.00	6,545.00	6,491.36	103.44	26.46	71.85	990.70	6,628.84	2,497.53	2,391.30	106.23	23.511		
8,800.00	6,953.00	6,551.77	6,498.06	105.59	26.49	72.19	989.92	6,629.50	2,409.12	2,300.97	108.15	22.276		
8,900.00	6,953.00	6,561.19	6,507.37	107.79	26.53	72.68	988.82	6,630.42	2,320.47	2,210.23	110.24	21.049		
9,000.00	6,953.00	6,570.56	6,516.63	110.02	26.57	73.16	987.72	6,631.33	2,232.75	2,120.26	112.49	19.849		
9,100.00	6,953.00	6,579.88	6,525.84	112.26	26.61	73.64	986.63	6,632.24	2,146.06	2,031.17	114.89	18.679		
9,200.00	6,953.00	6,589.16	6,535.00	114.52	26.65	74.12	985.52	6,633.14	2,060.54	1,943.06	117.47	17.540		
9,300.00	6,953.00	6,598.38	6,544.12	116.80	26.69	74.59	984.42	6,634.03	1,976.32	1,856.08	120.24	16.437		
9,400.00	6,953.00	6,607.56	6,553.18	119.10	26.73	75.07	983.32	6,634.92	1,893.60	1,770.39	123.20	15.370		
9,500.00	6,953.00	6,616.69	6,562.20	121.42	26.77	75.55	982.21	6,635.80	1,812.57	1,686.19	126.38	14.343		
9,600.00	6,953.00	6,625.77	6,571.17	123.75	26.82	76.02	981.10	6,636.67	1,733.47	1,603.70	129.76	13.358		

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-20-01
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-20-01	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		
9,700.00	6,953.00	6,634.81	6,580.10	126.10	26.86	76.49	979.99	6,637.53	1,656.57	1,523.20	133.38	12.420		
9,800.00	6,953.00	6,643.80	6,588.98	128.46	26.90	76.96	978.88	6,638.39	1,582.21	1,445.01	137.20	11.532		
9,900.00	6,953.00	6,652.74	6,597.81	130.84	26.94	77.43	977.76	6,639.24	1,510.76	1,369.52	141.24	10.696		
10,000.00	6,953.00	6,661.64	6,606.60	133.23	26.97	77.90	976.65	6,640.09	1,442.64	1,297.18	145.46	9.918		
10,100.00	6,953.00	6,673.00	6,617.82	135.63	27.03	78.50	975.21	6,641.16	1,378.36	1,228.50	149.86	9.198		
10,200.00	6,953.00	6,680.78	6,625.50	138.04	27.06	78.91	974.23	6,641.89	1,318.46	1,164.19	154.27	8.547		
10,300.00	6,953.00	6,691.38	6,635.97	140.46	27.11	79.47	972.89	6,642.88	1,263.57	1,104.86	158.71	7.962		
10,400.00	6,953.00	6,701.70	6,646.17	142.90	27.15	80.01	971.59	6,643.83	1,214.37	1,051.38	162.99	7.451		
10,500.00	6,953.00	6,711.74	6,656.09	145.34	27.20	80.55	970.32	6,644.74	1,171.57	1,004.62	166.96	7.017		
10,600.00	6,953.00	6,721.52	6,665.75	147.80	27.24	81.06	969.10	6,645.61	1,135.91	965.50	170.41	6.666		
10,700.00	6,953.00	6,731.04	6,675.16	150.26	27.28	81.57	967.90	6,646.45	1,108.08	934.93	173.15	6.399		
10,800.00	6,953.00	6,740.32	6,684.33	152.73	27.32	82.06	966.75	6,647.25	1,088.68	913.69	174.99	6.222		
10,900.00	6,953.00	6,749.36	6,693.26	155.21	27.36	82.54	965.62	6,648.03	1,078.17	902.42	175.75	6.135		
10,964.77	6,953.00	6,755.09	6,698.93	156.82	27.39	82.84	964.91	6,648.51	1,076.23	900.60	175.63	6.128	CC, ES, SF	
11,000.00	6,953.00	6,758.17	6,701.97	157.70	27.40	83.01	964.52	6,648.77	1,076.81	901.45	175.36	6.141		
11,100.00	6,953.00	6,766.76	6,710.47	160.20	27.44	83.46	963.46	6,649.49	1,084.63	910.83	173.81	6.241		
11,200.00	6,953.00	6,775.15	6,718.76	162.70	27.48	83.91	962.42	6,650.19	1,101.46	930.28	171.18	6.435		
11,300.00	6,953.00	6,783.33	6,726.85	165.21	27.51	84.34	961.41	6,650.85	1,126.88	959.24	167.63	6.722		
11,400.00	6,953.00	6,791.31	6,734.75	167.73	27.55	84.76	960.42	6,651.50	1,160.33	996.95	163.38	7.102		
11,500.00	6,953.00	6,801.00	6,744.33	170.25	27.59	85.28	959.23	6,652.27	1,201.15	1,042.46	158.68	7.569		
11,600.00	6,953.00	6,806.68	6,749.95	172.78	27.62	85.58	958.53	6,652.71	1,248.60	1,095.02	153.58	8.130		
11,700.00	6,953.00	6,814.08	6,757.27	175.31	27.65	85.97	957.63	6,653.29	1,301.98	1,153.55	148.43	8.772		
11,800.00	6,953.00	6,821.31	6,764.43	177.85	27.68	86.35	956.74	6,653.85	1,360.58	1,217.28	143.31	9.494		
11,900.00	6,953.00	6,828.38	6,771.42	180.40	27.71	86.73	955.87	6,654.38	1,423.77	1,285.44	138.32	10.293		
12,000.00	6,953.00	6,835.30	6,778.27	182.95	27.74	87.09	955.03	6,654.91	1,490.95	1,357.40	133.55	11.164		
12,100.00	6,953.00	6,842.07	6,784.97	185.50	27.77	87.45	954.20	6,655.41	1,561.61	1,432.59	129.02	12.104		
12,200.00	6,953.00	6,848.69	6,791.53	188.06	27.80	87.80	953.40	6,655.90	1,635.31	1,510.54	124.78	13.106		
12,300.00	6,953.00	6,855.18	6,797.95	190.63	27.82	88.14	952.61	6,656.37	1,711.66	1,590.84	120.82	14.167		
12,400.00	6,953.00	6,861.53	6,804.23	193.20	27.85	88.48	951.83	6,656.83	1,790.30	1,673.16	117.14	15.283		
12,500.00	6,953.00	6,867.75	6,810.39	195.77	27.88	88.80	951.08	6,657.27	1,870.97	1,757.22	113.75	16.449		
12,600.00	6,953.00	6,873.84	6,816.42	198.35	27.90	89.12	950.34	6,657.70	1,953.40	1,842.78	110.61	17.660		
12,700.00	6,953.00	6,879.81	6,822.33	200.93	27.93	89.44	949.62	6,658.12	2,037.38	1,929.65	107.73	18.912		
12,800.00	6,953.00	6,885.65	6,828.12	203.51	27.96	89.74	948.91	6,658.52	2,122.74	2,017.66	105.08	20.201		
12,900.00	6,953.00	6,891.39	6,833.80	206.10	27.98	90.04	948.22	6,658.92	2,209.30	2,106.66	102.64	21.524		
13,000.00	6,953.00	6,897.01	6,839.36	208.69	28.00	90.34	947.54	6,659.30	2,296.94	2,196.53	100.41	22.877		
13,100.00	6,953.00	6,902.52	6,844.82	211.29	28.03	90.62	946.87	6,659.67	2,385.53	2,287.18	98.35	24.255		
13,200.00	6,953.00	6,907.92	6,850.17	213.88	28.05	90.91	946.22	6,660.03	2,474.98	2,378.52	96.46	25.657		
13,300.00	6,953.00	6,913.22	6,855.42	216.48	28.07	91.18	945.58	6,660.38	2,565.20	2,470.47	94.73	27.079		
13,400.00	6,953.00	6,930.00	6,872.04	219.09	28.15	92.05	943.57	6,661.46	2,656.13	2,562.72	93.41	28.434		
13,500.00	6,953.00	6,930.00	6,872.04	221.69	28.15	92.05	943.57	6,661.46	2,747.63	2,655.81	91.83	29.922		
13,600.00	6,953.00	6,930.00	6,872.04	224.30	28.15	92.05	943.57	6,661.46	2,839.71	2,749.34	90.36	31.425		
13,700.00	6,953.00	6,934.75	6,876.75	226.92	28.17	92.30	943.00	6,661.76	2,932.30	2,843.17	89.12	32.902		
13,800.00	6,953.00	6,941.49	6,883.43	229.53	28.20	92.65	942.19	6,662.19	3,025.34	2,937.32	88.03	34.369		
13,900.00	6,953.00	6,948.24	6,890.12	232.15	28.22	93.00	941.39	6,662.62	3,118.81	3,031.79	87.02	35.840		
14,000.00	6,953.00	6,954.99	6,896.81	234.77	28.25	93.34	940.59	6,663.05	3,212.65	3,126.55	86.10	37.313		
14,100.00	6,953.00	6,961.74	6,903.50	237.39	28.28	93.69	939.79	6,663.48	3,306.84	3,221.59	85.26	38.787		
14,200.00	6,953.00	6,968.50	6,910.19	240.01	28.31	94.04	938.99	6,663.90	3,401.36	3,316.87	84.48	40.261		
14,300.00	6,953.00	6,975.25	6,916.88	242.64	28.34	94.38	938.19	6,664.33	3,496.16	3,412.39	83.77	41.734		
14,400.00	6,953.00	6,982.01	6,923.58	245.27	28.37	94.73	937.40	6,664.76	3,591.23	3,508.11	83.12	43.204		
14,500.00	6,953.00	6,988.77	6,930.28	247.90	28.40	95.07	936.60	6,665.19	3,686.56	3,604.03	82.53	44.671		
14,600.00	6,953.00	6,995.53	6,936.98	250.53	28.42	95.41	935.81	6,665.62	3,782.11	3,700.13	81.98	46.133		
14,700.00	6,953.00	7,002.29	6,943.68	253.16	28.45	95.76	935.02	6,666.05	3,877.88	3,796.39	81.48	47.591		

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-20-01
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-20-01	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	
14,800.00	6,953.00	7,009.05	6,950.38	255.80	28.48	96.10	934.23	6,666.48	3,973.84	3,892.81	81.03	49.044	
14,900.00	6,953.00	7,015.82	6,957.09	258.43	28.51	96.44	933.45	6,666.92	4,069.99	3,989.38	80.61	50.490	
15,000.00	6,953.00	7,022.59	6,963.80	261.07	28.54	96.78	932.67	6,667.35	4,166.31	4,086.08	80.23	51.930	
15,100.00	6,953.00	7,029.36	6,970.51	263.71	28.57	97.12	931.88	6,667.78	4,262.78	4,182.90	79.88	53.364	
15,200.00	6,953.00	7,036.13	6,977.22	266.36	28.60	97.46	931.11	6,668.21	4,359.41	4,279.85	79.57	54.790	
15,300.00	6,953.00	7,042.90	6,983.93	269.00	28.63	97.80	930.33	6,668.64	4,456.18	4,376.90	79.28	56.210	
15,400.00	6,953.00	7,049.67	6,990.65	271.65	28.65	98.13	929.55	6,669.07	4,553.07	4,474.06	79.02	57.622	
15,500.00	6,953.00	7,056.45	6,997.37	274.29	28.68	98.47	928.78	6,669.50	4,650.09	4,571.31	78.78	59.026	
15,600.00	6,953.00	7,064.14	7,004.99	276.94	28.72	98.85	927.91	6,669.99	4,747.22	4,668.64	78.58	60.410	
15,700.00	6,953.00	7,072.10	7,012.89	279.59	28.75	99.24	927.01	6,670.50	4,844.46	4,766.05	78.41	61.783	
15,800.00	6,953.00	7,080.08	7,020.80	282.24	28.78	99.63	926.13	6,671.01	4,941.80	4,863.54	78.26	63.147	
15,900.00	6,953.00	7,088.06	7,028.71	284.90	28.81	100.02	925.25	6,671.52	5,039.23	4,961.11	78.12	64.504	
16,000.00	6,953.00	7,096.05	7,036.64	287.55	28.85	100.41	924.39	6,672.03	5,136.76	5,058.75	78.01	65.852	
16,100.00	6,953.00	7,104.05	7,044.58	290.20	28.88	100.80	923.53	6,672.54	5,234.36	5,156.46	77.90	67.191	
16,200.00	6,953.00	7,112.06	7,052.52	292.86	28.91	101.19	922.68	6,673.05	5,332.05	5,254.23	77.81	68.523	
16,300.00	6,953.00	7,120.07	7,060.48	295.52	28.95	101.57	921.84	6,673.57	5,429.80	5,352.06	77.74	69.846	
16,400.00	6,953.00	7,128.10	7,068.45	298.18	28.98	101.96	921.01	6,674.08	5,527.63	5,449.96	77.68	71.161	
16,500.00	6,953.00	7,136.13	7,076.42	300.84	29.01	102.34	920.20	6,674.59	5,625.53	5,547.90	77.63	72.468	
16,600.00	6,953.00	7,144.17	7,084.41	303.50	29.05	102.73	919.39	6,675.11	5,723.49	5,645.90	77.59	73.767	
16,700.00	6,953.00	7,152.23	7,092.40	306.16	29.08	103.11	918.59	6,675.63	5,821.51	5,743.95	77.56	75.058	
16,800.00	6,953.00	7,160.29	7,100.41	308.82	29.11	103.49	917.80	6,676.14	5,919.59	5,842.05	77.54	76.341	
16,900.00	6,953.00	7,168.36	7,108.42	311.49	29.15	103.87	917.02	6,676.66	6,017.73	5,940.19	77.53	77.616	
17,000.00	6,953.00	7,176.43	7,116.45	314.15	29.18	104.25	916.25	6,677.18	6,115.91	6,038.38	77.53	78.884	
17,100.00	6,953.00	7,184.52	7,124.48	316.82	29.22	104.62	915.49	6,677.70	6,214.15	6,136.61	77.54	80.144	
17,200.00	6,953.00	7,192.61	7,132.52	319.48	29.25	105.00	914.74	6,678.22	6,312.43	6,234.88	77.55	81.397	
17,300.00	6,953.00	7,200.72	7,140.57	322.15	29.28	105.37	913.99	6,678.74	6,410.75	6,333.18	77.57	82.642	
17,400.00	6,953.00	7,207.12	7,146.93	324.82	29.31	105.67	913.36	6,679.16	6,509.13	6,431.55	77.58	83.907	
17,500.00	6,953.00	7,214.73	7,154.50	327.49	29.34	106.02	912.63	6,679.66	6,607.54	6,529.94	77.60	85.145	
17,600.00	6,953.00	7,222.42	7,162.13	330.16	29.37	106.37	911.90	6,680.16	6,705.99	6,628.35	77.64	86.375	
17,700.00	6,953.00	7,230.17	7,169.83	332.83	29.40	106.72	911.15	6,680.67	6,804.48	6,726.80	77.68	87.596	
17,800.00	6,953.00	7,237.99	7,177.59	335.50	29.44	107.07	910.38	6,681.19	6,903.01	6,825.28	77.73	88.809	
17,900.00	6,953.00	7,245.87	7,185.42	338.17	29.47	107.42	909.61	6,681.71	7,001.57	6,923.78	77.78	90.015	
18,000.00	6,953.00	7,253.83	7,193.32	340.85	29.50	107.78	908.82	6,682.24	7,100.16	7,022.32	77.84	91.212	
18,100.00	6,953.00	7,261.86	7,201.29	343.52	29.54	108.13	908.03	6,682.78	7,198.78	7,120.88	77.91	92.401	
18,200.00	6,953.00	7,269.95	7,209.33	346.19	29.57	108.49	907.21	6,683.32	7,297.44	7,219.46	77.98	93.582	
18,300.00	6,953.00	7,278.12	7,217.43	348.87	29.60	108.85	906.39	6,683.87	7,396.12	7,318.07	78.06	94.755	
18,400.00	6,953.00	7,286.36	7,225.61	351.55	29.64	109.20	905.55	6,684.43	7,494.83	7,416.70	78.14	95.920	
18,500.00	6,953.00	7,294.68	7,233.86	354.22	29.67	109.56	904.70	6,685.00	7,593.57	7,515.35	78.22	97.078	
18,600.00	6,953.00	7,303.07	7,242.19	356.90	29.71	109.92	903.83	6,685.57	7,692.33	7,614.02	78.31	98.227	
18,700.00	6,953.00	7,311.53	7,250.59	359.58	29.74	110.29	902.95	6,686.16	7,791.12	7,712.71	78.41	99.369	
18,800.00	6,953.00	7,320.08	7,259.07	362.26	29.78	110.65	902.06	6,686.74	7,889.93	7,811.42	78.50	100.503	
18,900.00	6,953.00	7,328.70	7,267.62	364.94	29.81	111.01	901.15	6,687.34	7,988.76	7,910.15	78.61	101.630	
19,000.00	6,953.00	7,329.88	7,268.79	367.62	29.82	111.06	901.04	6,687.42	8,087.62	8,009.01	78.61	102.885	
19,073.74	6,953.00	7,334.07	7,272.95	369.59	29.83	111.24	900.61	6,687.70	8,160.53	8,081.88	78.66	103.747	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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	96.50	-677.96	5,946.18	5,984.74	5,984.47	0.27	N/A		
200.00	199.98	68.60	68.60	0.63	0.14	33.08	-677.74	5,946.25	5,983.30	5,982.54	0.76	7,857.072		
300.00	299.84	153.68	153.68	0.99	0.44	33.15	-677.45	5,946.56	5,979.23	5,977.80	1.43	4,189.450		
400.00	399.45	260.92	260.92	1.36	0.82	33.27	-677.26	5,947.04	5,972.36	5,970.18	2.17	2,747.015		
500.00	498.70	389.29	389.29	1.76	1.26	33.47	-677.53	5,947.01	5,962.15	5,959.16	2.99	1,993.308		
600.00	597.47	506.61	506.60	2.18	1.66	33.72	-677.56	5,946.61	5,948.73	5,944.95	3.78	1,573.856		
700.00	695.62	615.00	614.99	2.63	2.04	34.02	-677.39	5,945.93	5,932.16	5,927.60	4.55	1,302.609		
800.00	793.06	751.73	751.70	3.11	2.52	34.41	-676.66	5,944.85	5,912.63	5,907.18	5.44	1,086.302		
900.00	889.64	923.77	923.56	3.64	3.13	34.88	-670.21	5,941.90	5,888.85	5,882.37	6.47	909.646		
1,000.00	985.27	1,038.60	1,038.02	4.22	3.54	35.31	-661.25	5,939.81	5,861.87	5,854.54	7.33	799.910		
1,100.00	1,079.82	1,140.92	1,139.74	4.84	3.92	35.77	-650.45	5,938.02	5,831.89	5,823.72	8.17	714.162		
1,200.00	1,173.17	1,232.93	1,231.05	5.52	4.26	36.26	-639.19	5,936.58	5,799.21	5,790.22	9.00	644.582		
1,300.00	1,265.21	1,318.88	1,316.17	6.26	4.59	36.80	-627.31	5,935.50	5,763.99	5,754.16	9.84	585.938		
1,400.00	1,355.84	1,389.18	1,385.69	7.06	4.87	37.37	-616.84	5,934.88	5,726.41	5,715.75	10.66	537.416		
1,500.00	1,444.94	1,456.00	1,451.72	7.92	5.13	37.99	-606.63	5,934.61	5,686.66	5,675.17	11.49	494.819		
1,600.00	1,532.39	1,524.90	1,519.74	8.84	5.41	38.68	-595.68	5,934.65	5,644.78	5,632.40	12.38	456.025		
1,700.00	1,618.11	1,596.04	1,589.88	9.83	5.70	39.43	-583.80	5,935.06	5,600.82	5,587.51	13.31	420.839		
1,800.00	1,701.97	1,696.86	1,689.26	10.89	6.12	40.32	-566.82	5,935.66	5,554.50	5,540.10	14.40	385.851		
1,900.00	1,783.88	1,789.75	1,780.85	12.02	6.51	41.29	-551.29	5,936.00	5,505.72	5,490.23	15.49	355.378		
1,991.28	1,856.86	1,869.53	1,859.49	13.11	6.85	42.24	-537.90	5,936.22	5,459.19	5,442.68	16.51	330.657		
2,000.00	1,863.75	1,876.73	1,866.59	13.21	6.88	42.26	-536.71	5,936.23	5,454.66	5,438.05	16.61	328.403		
2,100.00	1,942.74	1,959.01	1,947.80	14.45	7.23	42.53	-523.46	5,936.36	5,402.74	5,385.01	17.73	304.727		
2,200.00	2,021.72	2,038.21	2,026.03	15.69	7.56	42.80	-511.13	5,936.43	5,350.94	5,332.08	18.86	283.778		
2,300.00	2,100.71	2,113.34	2,100.27	16.95	7.88	43.06	-499.59	5,936.53	5,299.30	5,279.32	19.98	265.170		
2,400.00	2,179.70	2,178.48	2,164.66	18.21	8.16	43.29	-489.72	5,936.76	5,247.99	5,226.89	21.09	248.793		
2,500.00	2,258.69	2,269.35	2,254.48	19.47	8.54	43.61	-475.93	5,937.32	5,196.99	5,174.68	22.31	232.925		
2,600.00	2,337.68	2,398.58	2,381.84	20.74	9.10	44.06	-454.11	5,937.48	5,145.42	5,121.74	23.68	217.295		
2,700.00	2,416.66	2,493.49	2,475.25	22.02	9.52	44.39	-437.29	5,937.25	5,093.54	5,068.60	24.94	204.226		
2,800.00	2,495.65	2,565.74	2,546.40	23.29	9.84	44.65	-424.70	5,937.03	5,041.79	5,015.65	26.14	192.905		
2,900.00	2,574.64	2,633.36	2,613.05	24.57	10.14	44.90	-413.34	5,936.90	4,990.32	4,962.99	27.33	182.602		
3,000.00	2,653.63	2,693.49	2,672.36	25.85	10.40	45.12	-403.44	5,936.99	4,939.30	4,910.79	28.51	173.251		
3,100.00	2,732.62	2,757.01	2,735.05	27.14	10.67	45.37	-393.16	5,937.34	4,888.76	4,859.05	29.71	164.528		
3,200.00	2,811.61	2,830.93	2,808.08	28.42	10.99	45.67	-381.81	5,937.81	4,838.57	4,807.61	30.96	156.272		
3,300.00	2,890.59	2,900.16	2,876.59	29.71	11.28	45.96	-371.87	5,938.25	4,788.69	4,756.48	32.21	148.674		
3,400.00	2,969.58	2,965.05	2,940.85	31.00	11.56	46.24	-362.80	5,938.84	4,739.25	4,705.80	33.45	141.661		
3,500.00	3,048.57	3,068.72	3,043.52	32.29	11.99	46.70	-348.44	5,939.88	4,690.10	4,655.27	34.83	134.665		
3,600.00	3,127.56	3,184.20	3,157.82	33.58	12.48	47.22	-332.01	5,940.19	4,640.39	4,604.15	36.24	128.042		
3,700.00	3,206.55	3,275.54	3,248.31	34.87	12.86	47.66	-319.58	5,939.88	4,590.50	4,552.91	37.60	122.095		
3,800.00	3,285.53	3,350.06	3,322.14	36.16	13.17	48.02	-309.48	5,939.64	4,540.83	4,501.91	38.92	116.668		
3,900.00	3,364.52	3,423.05	3,394.44	37.45	13.48	48.37	-299.45	5,939.57	4,491.48	4,451.23	40.25	111.576		
4,000.00	3,443.51	3,495.04	3,465.73	38.74	13.78	48.73	-289.48	5,939.68	4,442.51	4,400.91	41.60	106.789		
4,100.00	3,522.50	3,576.89	3,546.76	40.04	14.12	49.14	-277.91	5,939.99	4,393.84	4,350.85	42.99	102.211		
4,200.00	3,601.49	3,666.22	3,635.10	41.33	14.51	49.58	-264.67	5,940.44	4,345.32	4,300.91	44.41	97.854		
4,300.00	3,680.47	3,768.32	3,738.95	42.63	14.95	50.09	-248.76	5,940.81	4,296.71	4,250.84	45.87	93.676		
4,400.00	3,759.46	3,852.81	3,819.44	43.92	15.31	50.53	-235.81	5,940.83	4,248.09	4,200.79	47.30	89.814		
4,500.00	3,838.45	3,962.42	3,927.94	45.22	15.78	51.13	-220.20	5,940.22	4,199.51	4,150.71	48.80	86.059		
4,600.00	3,917.44	4,055.05	4,019.60	46.51	16.17	51.65	-206.91	5,939.00	4,150.48	4,100.21	50.27	82.560		
4,700.00	3,996.43	4,114.41	4,078.31	47.81	16.43	51.99	-198.17	5,938.49	4,101.98	4,050.28	51.70	79.346		
4,800.00	4,075.42	4,176.45	4,139.63	49.10	16.69	52.34	-188.77	5,938.39	4,054.15	4,001.01	53.15	76.283		
4,900.00	4,154.40	4,242.26	4,204.60	50.40	16.98	52.71	-178.26	5,938.76	4,006.92	3,952.30	54.62	73.361		
5,000.00	4,233.39	4,325.56	4,286.71	51.70	17.35	53.17	-164.28	5,939.74	3,960.19	3,904.05	56.14	70.544		
5,100.00	4,312.38	4,428.47	4,388.21	52.99	17.80	53.76	-147.28	5,940.45	3,913.37	3,855.66	57.71	67.812		

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-20-01
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-20-01	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		
5,200.00	4,391.37	4,529.76	4,488.00	54.29	18.26	54.35	-129.97	5,940.82	3,866.39	3,807.11	59.29	65.216		
5,300.00	4,470.36	4,632.75	4,589.29	55.59	18.73	54.96	-111.35	5,941.02	3,819.25	3,758.37	60.88	62.736		
5,400.00	4,549.34	4,714.55	4,669.69	56.89	19.10	55.44	-96.28	5,940.99	3,772.07	3,709.62	62.45	60.400		
5,500.00	4,628.33	4,791.00	4,744.99	58.18	19.44	55.92	-83.07	5,940.82	3,725.33	3,661.29	64.04	58.171		
5,600.00	4,707.32	4,839.13	4,792.49	59.48	19.65	56.24	-75.28	5,940.78	3,679.31	3,613.70	65.61	56.076		
5,700.00	4,786.31	4,889.83	4,842.60	60.78	19.87	56.58	-67.59	5,941.00	3,634.31	3,567.10	67.21	54.076		
5,800.00	4,865.30	4,976.89	4,928.79	62.08	20.24	57.19	-55.33	5,941.58	3,590.19	3,521.32	68.87	52.133		
5,900.00	4,944.28	5,084.77	5,035.65	63.38	20.70	57.97	-40.51	5,941.15	3,545.67	3,475.11	70.57	50.247		
6,000.00	5,023.27	5,163.72	5,113.74	64.68	21.04	58.55	-28.91	5,941.02	3,501.44	3,429.19	72.25	48.464		
6,100.00	5,102.26	5,228.87	5,178.12	65.97	21.32	59.03	-18.94	5,941.27	3,457.78	3,383.84	73.94	46.766		
6,200.00	5,181.25	5,304.00	5,252.42	67.27	21.64	59.59	-7.80	5,941.91	3,415.01	3,339.35	75.66	45.138		
6,300.00	5,260.24	5,348.38	5,296.36	68.57	21.82	59.93	-1.62	5,942.43	3,373.12	3,295.75	77.37	43.599		
6,400.00	5,339.23	5,403.38	5,350.93	69.87	22.05	60.37	5.26	5,943.14	3,332.36	3,253.25	79.11	42.124		
6,500.00	5,418.21	5,520.93	5,467.73	71.17	22.52	61.36	18.46	5,944.21	3,292.39	3,211.45	80.93	40.681		
6,600.00	5,497.20	5,623.47	5,569.51	72.47	22.94	62.24	30.86	5,943.98	3,251.60	3,168.85	82.76	39.292		
6,700.00	5,576.19	5,703.19	5,648.50	73.77	23.27	62.92	41.60	5,944.29	3,211.29	3,126.72	84.57	37.970		
6,800.00	5,655.18	5,775.85	5,720.43	75.07	23.58	63.54	51.88	5,945.03	3,171.66	3,085.26	86.41	36.705		
6,900.00	5,734.17	5,860.36	5,804.03	76.37	23.94	64.27	64.16	5,946.29	3,132.73	3,044.47	88.26	35.493		
7,000.00	5,813.15	5,957.36	5,899.92	77.67	24.36	65.11	78.74	5,947.60	3,094.00	3,003.86	90.14	34.325		
7,100.00	5,892.14	6,041.20	5,982.81	78.97	24.72	65.86	91.30	5,948.49	3,055.62	2,963.59	92.03	33.204		
7,200.00	5,971.13	6,124.40	6,065.12	80.27	25.08	66.63	103.46	5,949.16	3,017.78	2,923.84	93.93	32.128		
7,300.00	6,050.12	6,202.00	6,141.88	81.57	25.41	67.36	114.78	5,949.75	2,980.51	2,884.66	95.85	31.094		
7,400.00	6,129.11	6,278.61	6,217.71	82.86	25.73	68.10	125.68	5,950.33	2,944.01	2,846.22	97.79	30.105		
7,500.00	6,208.09	6,349.72	6,288.16	84.16	26.03	68.80	135.34	5,950.87	2,908.46	2,808.71	99.75	29.157		
7,600.00	6,287.08	6,419.70	6,357.46	85.46	26.33	69.50	144.95	5,951.84	2,873.94	2,772.21	101.72	28.253		
7,700.00	6,366.07	6,493.40	6,430.42	86.76	26.64	70.23	155.32	5,953.42	2,840.43	2,736.73	103.70	27.391		
7,800.00	6,445.06	6,570.22	6,506.55	88.06	26.96	71.02	165.48	5,954.81	2,807.84	2,702.15	105.69	26.566		
7,900.00	6,524.05	6,641.33	6,577.12	89.36	27.25	71.78	174.19	5,955.83	2,776.24	2,668.55	107.70	25.778		
8,000.00	6,603.03	6,715.00	6,650.29	90.66	27.54	72.59	182.64	5,956.86	2,745.84	2,636.13	109.71	25.028		
8,100.00	6,682.02	6,875.12	6,809.16	91.96	28.20	74.39	202.55	5,956.81	2,714.59	2,602.88	111.70	24.302		
8,133.44	6,708.44	6,896.95	6,830.80	92.40	28.29	74.64	205.44	5,956.68	2,704.16	2,591.78	112.38	24.062		
8,150.00	6,721.39	6,907.67	6,841.42	92.62	28.33	74.04	206.86	5,956.63	2,698.89	2,586.16	112.72	23.942		
8,200.00	6,758.90	6,938.80	6,872.28	93.34	28.46	72.90	210.95	5,956.57	2,681.20	2,567.40	113.80	23.561		
8,250.00	6,793.76	6,972.00	6,905.20	94.13	28.60	72.71	215.30	5,956.60	2,661.01	2,546.08	114.93	23.153		
8,300.00	6,825.72	6,972.00	6,905.20	95.00	28.60	72.77	215.30	5,956.60	2,638.62	2,522.48	116.14	22.720		
8,350.00	6,854.52	7,011.86	6,944.74	95.93	28.76	74.21	220.35	5,956.75	2,613.96	2,496.60	117.36	22.273		
8,400.00	6,879.97	7,030.09	6,962.83	96.92	28.84	75.91	222.56	5,956.85	2,587.54	2,468.90	118.64	21.811		
8,450.00	6,901.84	7,045.83	6,978.46	97.95	28.90	78.17	224.41	5,956.95	2,559.49	2,439.55	119.94	21.340		
8,500.00	6,920.00	7,058.96	6,991.50	99.02	28.95	80.92	225.92	5,957.05	2,530.04	2,408.78	121.26	20.865		
8,550.00	6,934.28	7,069.38	7,001.86	100.12	29.00	84.11	227.09	5,957.13	2,499.42	2,376.84	122.58	20.390		
8,600.00	6,944.59	7,077.00	7,009.43	101.22	29.03	87.69	227.94	5,957.20	2,467.89	2,343.99	123.90	19.919		
8,650.00	6,950.84	7,100.00	7,032.30	102.33	29.12	92.15	230.42	5,957.41	2,435.78	2,310.60	125.18	19.458		
8,701.16	6,953.00	7,100.00	7,032.30	103.44	29.12	96.34	230.42	5,957.41	2,402.38	2,275.89	126.48	18.994		
8,800.00	6,953.00	7,100.00	7,032.30	105.59	29.12	96.34	230.42	5,957.41	2,338.81	2,209.83	128.98	18.133		
8,900.00	6,953.00	7,100.00	7,032.30	107.79	29.12	96.34	230.42	5,957.41	2,277.06	2,145.49	131.57	17.307		
9,000.00	6,953.00	7,100.00	7,032.30	110.02	29.12	96.34	230.42	5,957.41	2,218.09	2,083.90	134.19	16.529		
9,100.00	6,953.00	7,100.00	7,032.30	112.26	29.12	96.34	230.42	5,957.41	2,162.15	2,025.30	136.85	15.799		
9,200.00	6,953.00	7,100.00	7,032.30	114.52	29.12	96.34	230.42	5,957.41	2,109.47	1,969.96	139.51	15.121		
9,300.00	6,953.00	7,100.00	7,032.30	116.80	29.12	96.34	230.42	5,957.41	2,060.29	1,918.14	142.15	14.494		
9,400.00	6,953.00	7,100.00	7,032.30	119.10	29.12	96.34	230.42	5,957.41	2,014.89	1,870.15	144.74	13.921		
9,500.00	6,953.00	7,100.00	7,032.30	121.42	29.12	96.34	230.42	5,957.41	1,973.51	1,826.26	147.25	13.402		
9,600.00	6,953.00	7,100.00	7,032.30	123.75	29.12	96.34	230.42	5,957.41	1,936.41	1,786.77	149.64	12.940		

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-20-01
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-20-01	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		
9,700.00	6,953.00	7,100.00	7,032.30	126.10	29.12	96.34	230.42	5,957.41	1,903.85	1,751.97	151.87	12.536		
9,800.00	6,953.00	7,100.00	7,032.30	128.46	29.12	96.34	230.42	5,957.41	1,876.06	1,722.14	153.91	12.189		
9,900.00	6,953.00	7,100.00	7,032.30	130.84	29.12	96.34	230.42	5,957.41	1,853.25	1,697.53	155.72	11.901		
10,000.00	6,953.00	7,100.00	7,032.30	133.23	29.12	96.34	230.42	5,957.41	1,835.62	1,678.37	157.26	11.673		
10,100.00	6,953.00	7,100.00	7,032.30	135.63	29.12	96.34	230.42	5,957.41	1,823.31	1,664.82	158.49	11.504		
10,200.00	6,953.00	7,100.00	7,032.30	138.04	29.12	96.34	230.42	5,957.41	1,816.43	1,657.02	159.41	11.395		
10,275.22	6,953.00	7,100.00	7,032.30	139.86	29.12	96.34	230.42	5,957.41	1,814.87	1,655.00	159.87	11.352 CC, ES		
10,300.00	6,953.00	7,100.00	7,032.30	140.46	29.12	96.34	230.42	5,957.41	1,815.04	1,655.06	159.98	11.345 SF		
10,400.00	6,953.00	7,100.00	7,032.30	142.90	29.12	96.34	230.42	5,957.41	1,819.16	1,658.95	160.21	11.355		
10,500.00	6,953.00	7,100.00	7,032.30	145.34	29.12	96.34	230.42	5,957.41	1,828.74	1,668.65	160.09	11.423		
10,600.00	6,953.00	7,100.00	7,032.30	147.80	29.12	96.34	230.42	5,957.41	1,843.70	1,684.06	159.64	11.549		
10,700.00	6,953.00	7,100.00	7,032.30	150.26	29.12	96.34	230.42	5,957.41	1,863.92	1,705.04	158.88	11.731		
10,800.00	6,953.00	7,100.00	7,032.30	152.73	29.12	96.34	230.42	5,957.41	1,889.22	1,731.39	157.83	11.970		
10,900.00	6,953.00	7,100.00	7,032.30	155.21	29.12	96.34	230.42	5,957.41	1,919.41	1,762.87	156.53	12.262		
11,000.00	6,953.00	7,100.00	7,032.30	157.70	29.12	96.34	230.42	5,957.41	1,954.24	1,799.24	155.01	12.607		
11,100.00	6,953.00	7,100.00	7,032.30	160.20	29.12	96.34	230.42	5,957.41	1,993.50	1,840.19	153.30	13.004		
11,200.00	6,953.00	7,100.00	7,032.30	162.70	29.12	96.34	230.42	5,957.41	2,036.91	1,885.46	151.45	13.450		
11,300.00	6,953.00	7,100.00	7,032.30	165.21	29.12	96.34	230.42	5,957.41	2,084.21	1,934.73	149.48	13.943		
11,400.00	6,953.00	7,100.00	7,032.30	167.73	29.12	96.34	230.42	5,957.41	2,135.16	1,987.73	147.43	14.483		
11,500.00	6,953.00	7,100.00	7,032.30	170.25	29.12	96.34	230.42	5,957.41	2,189.49	2,044.16	145.32	15.066		
11,600.00	6,953.00	7,100.00	7,032.30	172.78	29.12	96.34	230.42	5,957.41	2,246.96	2,103.77	143.19	15.692		
11,700.00	6,953.00	7,100.00	7,032.30	175.31	29.12	96.34	230.42	5,957.41	2,307.33	2,166.28	141.05	16.359		
11,800.00	6,953.00	7,100.00	7,032.30	177.85	29.12	96.34	230.42	5,957.41	2,370.39	2,231.47	138.91	17.064		
11,900.00	6,953.00	7,100.00	7,032.30	180.40	29.12	96.34	230.42	5,957.41	2,435.92	2,299.11	136.81	17.805		
12,000.00	6,953.00	7,100.00	7,032.30	182.95	29.12	96.34	230.42	5,957.41	2,503.72	2,368.99	134.74	18.582		
12,100.00	6,953.00	7,100.00	7,032.30	185.50	29.12	96.34	230.42	5,957.41	2,573.63	2,440.92	132.72	19.392		
12,200.00	6,953.00	7,100.00	7,032.30	188.06	29.12	96.34	230.42	5,957.41	2,645.48	2,514.73	130.75	20.234		
12,300.00	6,953.00	7,100.00	7,032.30	190.63	29.12	96.34	230.42	5,957.41	2,719.10	2,590.27	128.84	21.105		
12,400.00	6,953.00	7,100.00	7,032.30	193.20	29.12	96.34	230.42	5,957.41	2,794.36	2,667.38	126.99	22.005		
12,500.00	6,953.00	7,100.00	7,032.30	195.77	29.12	96.34	230.42	5,957.41	2,871.14	2,745.93	125.20	22.932		
12,600.00	6,953.00	7,100.00	7,032.30	198.35	29.12	96.34	230.42	5,957.41	2,949.30	2,825.82	123.49	23.884		
12,700.00	6,953.00	7,100.00	7,032.30	200.93	29.12	96.34	230.42	5,957.41	3,028.75	2,906.92	121.83	24.860		
12,800.00	6,953.00	7,100.00	7,032.30	203.51	29.12	96.34	230.42	5,957.41	3,109.39	2,989.14	120.25	25.858		
12,900.00	6,953.00	7,100.00	7,032.30	206.10	29.12	96.34	230.42	5,957.41	3,191.12	3,072.39	118.73	26.878		
13,000.00	6,953.00	7,100.00	7,032.30	208.69	29.12	96.34	230.42	5,957.41	3,273.87	3,156.60	117.27	27.917		
13,100.00	6,953.00	7,100.00	7,032.30	211.29	29.12	96.34	230.42	5,957.41	3,357.55	3,241.68	115.88	28.976		
13,200.00	6,953.00	7,100.00	7,032.30	213.88	29.12	96.34	230.42	5,957.41	3,442.11	3,327.57	114.54	30.052		
13,300.00	6,953.00	7,100.00	7,032.30	216.48	29.12	96.34	230.42	5,957.41	3,527.47	3,414.21	113.26	31.144		
13,400.00	6,953.00	7,100.00	7,032.30	219.09	29.12	96.34	230.42	5,957.41	3,613.59	3,501.55	112.04	32.252		
13,500.00	6,953.00	7,100.00	7,032.30	221.69	29.12	96.34	230.42	5,957.41	3,700.40	3,589.53	110.87	33.375		
13,600.00	6,953.00	7,100.00	7,032.30	224.30	29.12	96.34	230.42	5,957.41	3,787.87	3,678.11	109.76	34.511		
13,700.00	6,953.00	7,100.00	7,032.30	226.92	29.12	96.34	230.42	5,957.41	3,875.94	3,767.25	108.69	35.661		
13,800.00	6,953.00	7,100.00	7,032.30	229.53	29.12	96.34	230.42	5,957.41	3,964.58	3,856.90	107.67	36.821		
13,900.00	6,953.00	7,119.12	7,051.32	232.15	29.19	96.94	232.41	5,957.60	4,053.68	3,946.87	106.81	37.953		
14,000.00	6,953.00	7,119.80	7,051.98	234.77	29.20	96.96	232.48	5,957.61	4,143.33	4,037.45	105.88	39.132		
14,100.00	6,953.00	7,120.47	7,052.65	237.39	29.20	96.98	232.55	5,957.61	4,233.45	4,128.46	105.00	40.320		
14,200.00	6,953.00	7,121.14	7,053.32	240.01	29.20	97.00	232.62	5,957.62	4,324.01	4,219.86	104.15	41.517		
14,300.00	6,953.00	7,121.81	7,053.98	242.64	29.20	97.02	232.68	5,957.63	4,414.97	4,311.63	103.34	42.721		
14,400.00	6,953.00	7,122.47	7,054.65	245.27	29.21	97.05	232.75	5,957.63	4,506.32	4,403.74	102.57	43.934		
14,500.00	6,953.00	7,123.14	7,055.31	247.90	29.21	97.07	232.82	5,957.64	4,598.02	4,496.19	101.83	45.153		
14,600.00	6,953.00	7,123.81	7,055.97	250.53	29.21	97.09	232.89	5,957.64	4,690.06	4,588.94	101.13	46.379		
14,700.00	6,953.00	7,124.47	7,056.63	253.16	29.21	97.11	232.95	5,957.65	4,782.43	4,681.98	100.45	47.610		

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-20-01
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-20-01	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		
14,800.00	6,953.00	7,125.13	7,057.29	255.80	29.22	97.13	233.02	5,957.66	4,875.09	4,775.29	99.80	48.847		
14,900.00	6,953.00	7,125.80	7,057.95	258.43	29.22	97.15	233.09	5,957.66	4,968.04	4,868.86	99.19	50.088		
15,000.00	6,953.00	7,126.46	7,058.61	261.07	29.22	97.17	233.15	5,957.67	5,061.26	4,962.66	98.59	51.335		
15,100.00	6,953.00	7,127.12	7,059.27	263.71	29.22	97.19	233.22	5,957.68	5,154.73	5,056.70	98.03	52.585		
15,200.00	6,953.00	7,127.78	7,059.92	266.36	29.23	97.21	233.28	5,957.68	5,248.44	5,150.96	97.49	53.838		
15,300.00	6,953.00	7,128.43	7,060.58	269.00	29.23	97.23	233.35	5,957.69	5,342.38	5,245.42	96.97	55.095		
15,400.00	6,953.00	7,129.09	7,061.23	271.65	29.23	97.25	233.42	5,957.70	5,436.54	5,340.07	96.47	56.355		
15,500.00	6,953.00	7,129.75	7,061.88	274.29	29.23	97.28	233.48	5,957.70	5,530.90	5,434.91	95.99	57.617		
15,600.00	6,953.00	7,130.40	7,062.53	276.94	29.24	97.30	233.55	5,957.71	5,625.46	5,529.92	95.54	58.882		
15,700.00	6,953.00	7,131.05	7,063.18	279.59	29.24	97.32	233.61	5,957.71	5,720.20	5,625.10	95.10	60.148		
15,800.00	6,953.00	7,131.70	7,063.83	282.24	29.24	97.34	233.68	5,957.72	5,815.11	5,720.43	94.68	61.417		
15,900.00	6,953.00	7,132.36	7,064.48	284.90	29.24	97.36	233.74	5,957.73	5,910.20	5,815.92	94.28	62.686		
16,000.00	6,953.00	7,133.01	7,065.12	287.55	29.25	97.38	233.81	5,957.73	6,005.44	5,911.54	93.90	63.957		
16,100.00	6,953.00	7,133.65	7,065.77	290.20	29.25	97.40	233.87	5,957.74	6,100.84	6,007.31	93.53	65.229		
16,200.00	6,953.00	7,134.30	7,066.41	292.86	29.25	97.42	233.93	5,957.75	6,196.38	6,103.20	93.18	66.501		
16,300.00	6,953.00	7,134.95	7,067.06	295.52	29.25	97.44	234.00	5,957.75	6,292.06	6,199.22	92.84	67.774		
16,400.00	6,953.00	7,135.59	7,067.70	298.18	29.26	97.46	234.06	5,957.76	6,387.87	6,295.36	92.51	69.047		
16,500.00	6,953.00	7,136.24	7,068.34	300.84	29.26	97.48	234.12	5,957.76	6,483.81	6,391.61	92.20	70.320		
16,600.00	6,953.00	7,136.88	7,068.98	303.50	29.26	97.50	234.19	5,957.77	6,579.87	6,487.96	91.91	71.593		
16,700.00	6,953.00	7,137.52	7,069.62	306.16	29.26	97.52	234.25	5,957.78	6,676.04	6,584.42	91.62	72.866		
16,800.00	6,953.00	7,138.16	7,070.26	308.82	29.27	97.54	234.31	5,957.78	6,772.33	6,680.98	91.35	74.138		
16,900.00	6,953.00	7,138.80	7,070.90	311.49	29.27	97.56	234.38	5,957.79	6,868.72	6,777.64	91.09	75.410		
17,000.00	6,953.00	7,139.44	7,071.53	314.15	29.27	97.58	234.44	5,957.79	6,965.21	6,874.38	90.83	76.681		
17,100.00	6,953.00	7,140.08	7,072.17	316.82	29.27	97.60	234.50	5,957.80	7,061.80	6,971.21	90.59	77.951		
17,200.00	6,953.00	7,140.72	7,072.80	319.48	29.28	97.62	234.56	5,957.81	7,158.49	7,068.13	90.36	79.220		
17,300.00	6,953.00	7,141.35	7,073.43	322.15	29.28	97.64	234.63	5,957.81	7,255.26	7,165.12	90.14	80.488		
17,400.00	6,953.00	7,141.99	7,074.06	324.82	29.28	97.66	234.69	5,957.82	7,352.12	7,262.19	89.93	81.754		
17,500.00	6,953.00	7,142.62	7,074.70	327.49	29.28	97.68	234.75	5,957.82	7,449.07	7,359.34	89.73	83.020		
17,600.00	6,953.00	7,143.26	7,075.32	330.16	29.29	97.70	234.81	5,957.83	7,546.09	7,456.56	89.53	84.284		
17,700.00	6,953.00	7,143.89	7,075.95	332.83	29.29	97.72	234.87	5,957.84	7,643.19	7,553.84	89.35	85.546		
17,800.00	6,953.00	7,144.52	7,076.58	335.50	29.29	97.74	234.93	5,957.84	7,740.36	7,651.20	89.17	86.807		
17,900.00	6,953.00	7,145.15	7,077.21	338.17	29.29	97.76	234.99	5,957.85	7,837.61	7,748.61	89.00	88.065		
18,000.00	6,953.00	7,145.78	7,077.83	340.85	29.30	97.78	235.05	5,957.85	7,934.92	7,846.09	88.83	89.322		
18,100.00	6,953.00	7,146.40	7,078.46	343.52	29.30	97.80	235.11	5,957.86	8,032.30	7,943.62	88.68	90.578		
18,200.00	6,953.00	7,147.03	7,079.08	346.19	29.30	97.82	235.18	5,957.87	8,129.74	8,041.21	88.53	91.831		
18,300.00	6,953.00	7,147.65	7,079.70	348.87	29.30	97.84	235.24	5,957.87	8,227.25	8,138.86	88.39	93.082		
18,400.00	6,953.00	7,148.28	7,080.32	351.55	29.30	97.86	235.30	5,957.88	8,324.81	8,236.56	88.25	94.331		
18,500.00	6,953.00	7,148.90	7,080.94	354.22	29.31	97.88	235.35	5,957.88	8,422.43	8,334.31	88.12	95.577		
18,600.00	6,953.00	7,149.52	7,081.56	356.90	29.31	97.90	235.41	5,957.89	8,520.10	8,432.11	88.00	96.822		
18,700.00	6,953.00	7,150.15	7,082.18	359.58	29.31	97.92	235.47	5,957.90	8,617.83	8,529.95	87.88	98.064		
18,800.00	6,953.00	7,150.77	7,082.80	362.26	29.31	97.94	235.53	5,957.90	8,715.61	8,627.84	87.77	99.304		
18,900.00	6,953.00	7,151.38	7,083.42	364.94	29.32	97.96	235.59	5,957.91	8,813.44	8,725.78	87.66	100.541		
19,000.00	6,953.00	7,152.00	7,084.03	367.62	29.32	97.98	235.65	5,957.91	8,911.32	8,823.76	87.56	101.776		
19,073.74	6,953.00	7,152.46	7,084.48	369.59	29.32	97.99	235.69	5,957.92	8,983.53	8,896.04	87.49	102.685		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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		
100.00	100.00	0.00	0.00	0.27	0.00	90.87	-75.63	4,962.88	4,963.48	4,963.21	0.27	N/A		
200.00	199.98	85.18	85.18	0.63	0.14	27.46	-75.85	4,962.86	4,961.89	4,961.13	0.77	6,484.269		
300.00	299.84	186.44	186.43	0.99	0.31	27.54	-76.67	4,962.81	4,957.21	4,955.92	1.29	3,830.322		
400.00	399.45	528.56	528.37	1.36	1.46	27.87	-82.52	4,955.02	4,947.86	4,945.03	2.83	1,750.317		
500.00	498.70	695.60	695.13	1.76	2.06	28.13	-82.31	4,945.54	4,931.42	4,927.63	3.79	1,300.111		
600.00	597.47	800.57	799.86	2.18	2.44	28.41	-81.07	4,938.61	4,911.05	4,906.50	4.54	1,081.340		
700.00	695.62	869.53	868.69	2.63	2.70	28.70	-79.95	4,934.34	4,888.09	4,882.92	5.17	945.196		
800.00	793.06	939.00	938.04	3.11	2.95	29.03	-78.86	4,930.51	4,862.81	4,857.00	5.81	836.465		
900.00	889.64	995.92	994.89	3.64	3.16	29.39	-78.08	4,927.75	4,835.24	4,828.81	6.43	752.482		
1,000.00	985.27	1,078.64	1,077.53	4.22	3.46	29.84	-77.32	4,924.21	4,805.35	4,798.20	7.15	672.385		
1,100.00	1,079.82	1,243.88	1,242.54	4.84	4.06	30.57	-79.05	4,915.75	4,771.93	4,763.75	8.18	583.400		
1,200.00	1,173.17	1,317.00	1,315.53	5.52	4.34	31.16	-80.33	4,911.61	4,735.26	4,726.36	8.91	531.714		
1,300.00	1,265.21	1,359.32	1,357.79	6.26	4.49	31.73	-80.97	4,909.52	4,696.53	4,686.98	9.55	491.974		
1,400.00	1,355.84	1,411.00	1,409.43	7.06	4.68	32.36	-81.46	4,907.48	4,656.02	4,645.78	10.25	454.436		
1,500.00	1,444.94	1,482.45	1,480.84	7.92	4.94	33.12	-81.75	4,905.10	4,613.48	4,602.44	11.04	417.874		
1,600.00	1,532.39	1,603.99	1,602.29	8.84	5.38	34.16	-82.93	4,900.65	4,568.23	4,556.19	12.04	379.569		
1,700.00	1,618.11	1,683.80	1,681.98	9.83	5.67	35.15	-85.43	4,897.31	4,520.21	4,507.28	12.92	349.789		
1,800.00	1,701.97	1,853.36	1,851.29	10.89	6.30	36.72	-89.73	4,889.25	4,469.73	4,455.59	14.14	316.058		
1,900.00	1,783.88	1,931.11	1,928.90	12.02	6.59	37.94	-90.67	4,884.57	4,415.66	4,400.57	15.09	292.589		
1,991.28	1,856.86	1,987.78	1,985.46	13.11	6.80	39.05	-91.28	4,881.24	4,364.60	4,348.65	15.95	273.672		
2,000.00	1,863.75	1,993.03	1,990.70	13.21	6.82	39.08	-91.33	4,880.94	4,359.65	4,343.62	16.03	271.901		
2,100.00	1,942.74	2,060.04	2,057.61	14.45	7.07	39.51	-91.92	4,877.24	4,303.19	4,286.17	17.02	252.886		
2,200.00	2,021.72	2,135.84	2,133.30	15.69	7.35	40.01	-92.64	4,873.08	4,247.01	4,228.96	18.05	235.264		
2,300.00	2,100.71	2,203.72	2,201.07	16.95	7.60	40.47	-93.53	4,869.40	4,191.18	4,172.09	19.09	219.563		
2,400.00	2,179.70	2,271.07	2,268.31	18.21	7.85	40.94	-94.65	4,865.85	4,135.78	4,115.63	20.15	205.264		
2,500.00	2,258.69	2,348.38	2,345.51	19.47	8.14	41.49	-95.94	4,861.89	4,080.80	4,059.53	21.26	191.927		
2,600.00	2,337.68	2,436.93	2,433.92	20.74	8.46	42.14	-97.47	4,857.10	4,025.91	4,003.48	22.43	179.471		
2,700.00	2,416.66	2,517.17	2,514.02	22.02	8.76	42.73	-98.76	4,852.59	3,971.19	3,947.59	23.60	168.276		
2,800.00	2,495.65	2,590.76	2,587.50	23.29	9.04	43.29	-99.65	4,848.49	3,916.79	3,892.03	24.77	158.135		
2,900.00	2,574.64	2,649.10	2,645.75	24.57	9.25	43.74	-100.28	4,845.38	3,862.92	3,837.00	25.92	149.044		
3,000.00	2,653.63	2,708.27	2,704.83	25.85	9.47	44.21	-101.12	4,842.49	3,809.76	3,782.67	27.09	140.613		
3,100.00	2,732.62	2,773.36	2,769.85	27.14	9.71	44.73	-102.02	4,839.53	3,757.25	3,728.94	28.31	132.715		
3,200.00	2,811.61	2,833.57	2,830.01	28.42	9.93	45.21	-102.71	4,837.03	3,705.39	3,675.86	29.54	125.451		
3,300.00	2,890.59	2,938.15	2,934.49	29.71	10.31	46.08	-103.74	4,832.61	3,653.87	3,622.96	30.91	118.223		
3,400.00	2,969.58	3,056.85	3,052.99	31.00	10.76	47.11	-105.44	4,825.99	3,601.74	3,569.40	32.34	111.373		
3,500.00	3,048.57	3,111.98	3,108.01	32.29	10.96	47.60	-106.31	4,822.81	3,550.04	3,516.41	33.63	105.556		
3,600.00	3,127.56	3,166.26	3,162.22	33.58	11.16	48.09	-107.27	4,820.03	3,499.31	3,464.36	34.95	100.127		
3,700.00	3,206.55	3,252.10	3,247.94	34.87	11.48	48.88	-108.85	4,815.72	3,449.17	3,412.79	36.37	94.823		
3,800.00	3,285.53	3,346.88	3,342.56	36.16	11.83	49.78	-110.28	4,810.63	3,399.23	3,361.38	37.85	89.813		
3,900.00	3,364.52	3,414.47	3,410.05	37.45	12.08	50.43	-110.96	4,806.96	3,349.69	3,310.41	39.28	85.281		
4,000.00	3,443.51	3,495.12	3,490.59	38.74	12.38	51.22	-111.59	4,802.75	3,300.81	3,260.04	40.77	80.969		
4,100.00	3,522.50	3,586.09	3,581.42	40.04	12.72	52.13	-112.09	4,797.70	3,252.20	3,209.89	42.31	76.875		
4,200.00	3,601.49	3,665.56	3,660.74	41.33	13.01	52.95	-112.58	4,792.96	3,203.91	3,160.06	43.85	73.069		
4,300.00	3,680.47	3,727.00	3,722.08	42.63	13.24	53.59	-112.70	4,789.44	3,156.34	3,110.96	45.38	69.558		
4,400.00	3,759.46	3,790.73	3,785.73	43.92	13.47	54.26	-112.55	4,786.18	3,109.73	3,062.79	46.94	66.254		
4,500.00	3,838.45	3,854.14	3,849.08	45.22	13.71	54.94	-112.31	4,783.36	3,064.21	3,015.69	48.52	63.148		
4,600.00	3,917.44	3,915.00	3,909.87	46.51	13.93	55.61	-112.84	4,780.55	3,019.62	2,969.48	50.14	60.221		
4,700.00	3,996.43	3,981.94	3,976.73	47.81	14.18	56.37	-113.90	4,777.57	2,976.09	2,924.28	51.81	57.442		
4,800.00	4,075.42	4,109.40	4,104.05	49.10	14.64	57.85	-115.28	4,771.74	2,933.25	2,879.61	53.64	54.682		
4,900.00	4,154.40	4,180.62	4,175.17	50.40	14.91	58.69	-115.62	4,767.90	2,890.33	2,834.95	55.38	52.193		
5,000.00	4,233.39	4,260.60	4,255.03	51.70	15.20	59.66	-115.94	4,763.56	2,848.20	2,791.04	57.16	49.828		
5,100.00	4,312.38	4,334.55	4,328.87	52.99	15.48	60.57	-115.99	4,759.58	2,806.88	2,747.93	58.96	47.607		

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-20-01
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-20-01	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		
5,200.00	4,391.37	4,407.62	4,401.85	54.29	15.75	61.48	-115.81	4,755.90	2,766.60	2,705.82	60.78	45.516		
5,300.00	4,470.36	4,479.00	4,473.14	55.59	16.01	62.38	-115.46	4,752.38	2,727.25	2,664.62	62.63	43.546		
5,400.00	4,549.34	4,547.75	4,541.81	56.89	16.26	63.26	-115.11	4,749.16	2,689.05	2,624.56	64.50	41.693		
5,500.00	4,628.33	4,612.28	4,606.28	58.18	16.49	64.10	-114.93	4,746.46	2,652.26	2,585.88	66.38	39.955		
5,600.00	4,707.32	4,678.87	4,672.83	59.48	16.74	64.99	-114.90	4,743.90	2,616.85	2,548.55	68.29	38.317		
5,700.00	4,786.31	4,748.72	4,742.62	60.78	16.99	65.93	-115.30	4,741.20	2,582.78	2,512.54	70.24	36.769		
5,800.00	4,865.30	4,827.39	4,821.23	62.08	17.28	67.03	-116.08	4,738.06	2,549.98	2,477.75	72.24	35.301		
5,900.00	4,944.28	4,905.76	4,899.53	63.38	17.56	68.13	-116.66	4,734.95	2,518.30	2,444.06	74.25	33.918		
6,000.00	5,023.27	4,970.59	4,964.32	64.68	17.80	69.06	-117.14	4,732.42	2,487.94	2,411.71	76.24	32.633		
6,100.00	5,102.26	5,019.90	5,013.60	65.97	17.98	69.76	-117.44	4,731.14	2,459.60	2,381.41	78.20	31.454		
6,200.00	5,181.25	5,100.43	5,094.13	67.27	18.26	70.91	-117.63	4,730.09	2,433.19	2,352.96	80.23	30.327		
6,300.00	5,260.24	5,185.12	5,178.80	68.57	18.56	72.12	-117.31	4,728.76	2,407.61	2,325.33	82.28	29.263		
6,400.00	5,339.23	5,261.83	5,255.51	69.87	18.83	73.23	-116.70	4,727.91	2,383.44	2,299.14	84.30	28.274		
6,500.00	5,418.21	5,340.64	5,334.31	71.17	19.10	74.38	-115.66	4,727.38	2,360.61	2,274.29	86.31	27.349		
6,600.00	5,497.20	5,411.27	5,404.93	72.47	19.33	75.41	-114.58	4,727.25	2,339.33	2,251.03	88.30	26.494		
6,700.00	5,576.19	5,496.40	5,490.05	73.77	19.62	76.66	-113.45	4,727.03	2,319.53	2,229.21	90.31	25.683		
6,800.00	5,655.18	5,547.65	5,541.30	75.07	19.79	77.43	-113.04	4,726.80	2,301.43	2,209.20	92.23	24.953		
6,900.00	5,734.17	5,605.00	5,598.65	76.37	19.98	78.29	-113.10	4,727.51	2,286.09	2,191.96	94.13	24.286		
7,000.00	5,813.15	5,680.43	5,674.06	77.67	20.21	79.43	-113.33	4,728.94	2,272.80	2,176.75	96.05	23.663		
7,100.00	5,892.14	5,763.41	5,757.03	78.97	20.48	80.68	-113.26	4,730.14	2,260.60	2,162.63	97.97	23.075		
7,200.00	5,971.13	5,835.06	5,828.67	80.27	20.71	81.78	-113.38	4,731.10	2,250.06	2,150.23	99.83	22.540		
7,300.00	6,050.12	5,906.11	5,899.72	81.57	20.94	82.89	-114.47	4,731.34	2,241.52	2,139.87	101.66	22.050		
7,400.00	6,129.11	5,988.05	5,991.64	82.86	21.25	84.35	-115.83	4,731.31	2,234.46	2,130.93	103.53	21.582		
7,500.00	6,208.09	6,076.93	6,070.51	84.16	21.52	85.60	-116.86	4,731.11	2,228.89	2,123.57	105.32	21.163		
7,600.00	6,287.08	6,167.40	6,160.97	85.46	21.84	87.05	-117.96	4,730.53	2,224.82	2,117.71	107.11	20.772		
7,700.00	6,366.07	6,255.11	6,248.68	86.76	22.15	88.45	-118.50	4,730.04	2,222.10	2,113.27	108.83	20.417		
7,798.81	6,444.12	6,323.42	6,317.00	88.05	22.38	89.53	-118.70	4,729.97	2,221.06	2,110.65	110.41	20.116		
7,800.00	6,445.06	6,324.21	6,317.78	88.06	22.39	89.54	-118.70	4,729.97	2,221.06	2,110.63	110.43	20.113		
7,900.00	6,524.05	6,399.00	6,392.57	89.36	22.64	90.73	-119.31	4,729.96	2,222.10	2,110.11	111.99	19.843		
8,000.00	6,603.03	6,456.00	6,449.57	90.66	22.84	91.64	-119.70	4,729.92	2,224.87	2,111.47	113.40	19.620		
8,100.00	6,682.02	6,515.98	6,509.51	91.96	23.03	92.55	-119.94	4,731.74	2,230.04	2,115.29	114.75	19.434		
8,133.44	6,708.44	6,550.00	6,543.42	92.40	23.14	93.04	-119.97	4,734.45	2,232.55	2,117.29	115.26	19.370		
8,150.00	6,721.39	6,550.00	6,543.42	92.62	23.14	91.84	-119.97	4,734.45	2,233.63	2,118.21	115.42	19.352		
8,200.00	6,758.90	6,550.00	6,543.42	93.34	23.14	88.79	-119.97	4,734.45	2,236.22	2,120.27	115.95	19.286		
8,250.00	6,793.76	6,588.51	6,581.62	94.13	23.25	87.06	-119.76	4,739.32	2,237.23	2,120.48	116.75	19.162		
8,300.00	6,825.72	6,613.13	6,605.86	95.00	23.33	85.71	-119.41	4,743.60	2,236.88	2,119.35	117.53	19.033		
8,350.00	6,854.52	6,645.00	6,636.97	95.93	23.42	85.00	-118.70	4,750.47	2,235.15	2,116.74	118.41	18.876		
8,400.00	6,879.97	6,645.00	6,636.97	96.92	23.42	84.13	-118.70	4,750.47	2,232.14	2,113.04	119.10	18.742		
8,450.00	6,901.84	6,645.00	6,636.97	97.95	23.42	83.59	-118.70	4,750.47	2,228.22	2,108.42	119.80	18.599		
8,500.00	6,920.00	6,678.40	6,669.21	99.02	23.51	84.05	-118.02	4,759.17	2,222.77	2,101.97	120.80	18.401		
8,550.00	6,934.28	6,689.29	6,679.63	100.12	23.54	84.32	-117.88	4,762.31	2,216.63	2,095.01	121.61	18.227		
8,600.00	6,944.59	6,699.23	6,689.11	101.22	23.57	84.84	-117.80	4,765.30	2,209.61	2,087.19	122.42	18.049		
8,650.00	6,950.84	6,708.12	6,697.55	102.33	23.59	85.56	-117.75	4,768.09	2,201.80	2,078.59	123.20	17.871		
8,701.16	6,953.00	6,738.00	6,725.68	103.44	23.67	87.04	-117.81	4,778.16	2,193.34	2,069.15	124.19	17.661		
8,800.00	6,953.00	6,738.00	6,725.68	105.59	23.67	87.04	-117.81	4,778.16	2,177.68	2,052.26	125.43	17.362		
8,900.00	6,953.00	6,756.75	6,743.15	107.79	23.72	87.51	-117.94	4,784.97	2,166.24	2,039.50	126.74	17.092		
9,000.00	6,953.00	6,795.45	6,778.81	110.02	23.83	88.45	-118.12	4,800.00	2,158.81	2,030.66	128.15	16.847		
9,100.00	6,953.00	7,041.80	6,984.62	112.26	24.57	93.94	-104.31	4,932.49	2,151.07	2,019.15	131.92	16.305		
9,200.00	6,953.00	7,084.18	7,015.21	114.52	24.74	94.77	-100.50	4,961.56	2,145.72	2,012.33	133.39	16.086		
9,300.00	6,953.00	7,161.55	7,065.54	116.80	25.11	96.12	-94.58	5,019.95	2,143.33	2,007.98	135.35	15.835		
9,400.00	6,953.00	7,269.91	7,121.82	119.10	25.77	97.64	-86.30	5,111.96	2,141.53	2,003.49	138.04	15.513		
9,500.00	6,953.00	7,346.03	7,149.75	121.42	26.38	98.40	-81.86	5,182.59	2,140.67	2,000.24	140.42	15.244		

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-20-01
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-20-01	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		
9,504.45	6,953.00	7,349.04	7,150.69	121.52	26.41	98.43	-81.72	5,185.44	2,140.67	2,000.14	140.53	15.233		
9,600.00	6,953.00	7,497.36	7,176.95	123.75	27.89	99.14	-77.61	5,330.73	2,140.87	1,995.91	144.97	14.768		
9,700.00	6,953.00	7,659.41	7,178.13	126.10	30.03	99.20	-71.11	5,492.63	2,136.63	1,986.17	150.46	14.201		
9,800.00	6,953.00	7,751.73	7,179.56	128.46	31.47	99.26	-65.80	5,584.79	2,131.04	1,976.83	154.21	13.819		
9,900.00	6,953.00	7,826.18	7,182.01	130.84	32.69	99.34	-62.48	5,659.12	2,126.92	1,969.44	157.48	13.506		
10,000.00	6,953.00	7,925.80	7,186.39	133.23	34.47	99.48	-58.40	5,758.55	2,123.39	1,961.72	161.67	13.134		
10,100.00	6,953.00	8,023.44	7,191.69	135.63	36.33	99.64	-53.97	5,855.95	2,119.60	1,953.71	165.89	12.777		
10,200.00	6,953.00	8,101.66	7,195.09	138.04	37.87	99.74	-51.20	5,934.04	2,116.63	1,947.09	169.53	12.485		
10,300.00	6,953.00	8,186.55	7,197.23	140.46	39.61	99.81	-49.25	6,018.88	2,114.57	1,941.10	173.48	12.189		
10,400.00	6,953.00	8,318.03	7,198.64	142.90	42.42	99.86	-46.11	6,150.32	2,112.24	1,933.00	179.23	11.785		
10,500.00	6,953.00	8,423.83	7,199.42	145.34	44.74	99.90	-42.20	6,256.04	2,108.50	1,924.38	184.12	11.452		
10,600.00	6,953.00	8,499.76	7,200.35	147.80	46.45	99.94	-39.83	6,331.93	2,105.45	1,917.52	187.93	11.203		
10,700.00	6,953.00	8,577.56	7,201.20	150.26	48.23	99.97	-38.53	6,409.72	2,103.74	1,911.91	191.83	10.967		
10,800.00	6,953.00	8,676.31	7,200.49	152.73	50.53	99.96	-37.42	6,508.45	2,102.31	1,905.70	196.61	10.693		
10,900.00	6,953.00	8,774.93	7,200.19	155.21	52.86	99.95	-36.76	6,607.07	2,101.38	1,899.96	201.42	10.433		
11,000.00	6,953.00	8,910.20	7,199.53	157.70	56.10	99.95	-34.04	6,742.31	2,099.03	1,891.29	207.74	10.104		
11,100.00	6,953.00	8,995.38	7,200.71	160.20	58.17	99.99	-31.68	6,827.44	2,096.36	1,884.28	212.07	9.885		
11,200.00	6,953.00	9,063.28	7,202.45	162.70	59.84	100.05	-30.43	6,895.31	2,094.84	1,879.15	215.69	9.712		
11,234.00	6,953.00	9,083.88	7,202.94	163.55	60.34	100.06	-30.32	6,915.90	2,094.72	1,877.91	216.81	9.662 CC		
11,300.00	6,953.00	9,124.42	7,203.78	165.21	61.34	100.08	-30.51	6,956.43	2,095.13	1,876.14	218.99	9.567		
11,400.00	6,953.00	9,223.06	7,205.07	167.73	63.79	100.11	-31.72	7,055.06	2,096.36	1,872.44	223.92	9.362		
11,500.00	6,953.00	9,321.25	7,205.23	170.25	66.25	100.11	-33.24	7,153.24	2,097.70	1,868.83	228.87	9.165		
11,600.00	6,953.00	9,423.27	7,204.90	172.78	68.81	100.10	-34.69	7,255.25	2,098.83	1,864.82	234.02	8.969		
11,700.00	6,953.00	9,501.00	7,205.63	175.31	70.78	100.11	-36.25	7,332.96	2,100.73	1,862.66	238.07	8.824		
11,800.00	6,953.00	9,609.67	7,206.89	177.85	73.55	100.13	-38.64	7,441.59	2,102.90	1,859.36	243.54	8.635		
11,900.00	6,953.00	9,697.77	7,208.28	180.40	75.80	100.16	-40.58	7,529.66	2,105.13	1,857.06	248.07	8.486		
12,000.00	6,953.00	9,813.80	7,209.90	182.95	78.78	100.19	-43.05	7,645.65	2,107.27	1,853.37	253.90	8.300		
12,100.00	6,953.00	9,921.81	7,209.91	185.50	81.56	100.19	-44.71	7,753.64	2,108.57	1,849.18	259.39	8.129		
12,200.00	6,953.00	10,016.58	7,210.15	188.06	84.01	100.19	-46.36	7,848.40	2,110.11	1,845.82	264.29	7.984		
12,300.00	6,953.00	10,111.28	7,210.38	190.63	86.47	100.19	-48.04	7,943.08	2,111.69	1,842.50	269.19	7.844		
12,400.00	6,953.00	10,203.74	7,209.17	193.20	88.88	100.14	-50.44	8,035.51	2,113.81	1,839.77	274.03	7.714		
12,500.00	6,953.00	10,343.84	7,206.77	195.77	92.53	100.07	-53.37	8,175.55	2,115.48	1,834.41	281.07	7.527		
12,600.00	6,953.00	10,474.70	7,205.22	198.35	95.95	100.03	-53.17	8,306.40	2,114.88	1,827.27	287.61	7.353		
12,700.00	6,953.00	10,576.27	7,205.16	200.93	98.61	100.03	-52.01	8,407.96	2,113.54	1,820.69	292.85	7.217		
12,800.00	6,953.00	10,662.81	7,204.61	203.51	100.89	100.02	-51.48	8,494.49	2,112.61	1,815.14	297.48	7.102		
12,900.00	6,953.00	10,756.33	7,204.91	206.10	103.35	100.03	-51.32	8,588.01	2,112.29	1,809.91	302.39	6.985		
13,000.00	6,953.00	10,871.75	7,206.39	208.69	106.39	100.08	-50.37	8,703.42	2,111.48	1,803.26	308.22	6.851		
13,100.00	6,953.00	10,965.44	7,206.84	211.29	108.86	100.09	-49.56	8,797.11	2,110.50	1,797.36	313.14	6.740		
13,200.00	6,953.00	11,061.69	7,207.63	213.88	111.41	100.12	-49.15	8,893.36	2,110.01	1,791.83	318.18	6.632		
13,300.00	6,953.00	11,172.05	7,207.73	216.48	114.32	100.12	-48.43	9,003.71	2,109.18	1,785.34	323.84	6.513		
13,400.00	6,953.00	11,269.17	7,207.61	219.09	116.90	100.13	-47.60	9,100.82	2,108.12	1,779.18	328.93	6.409		
13,500.00	6,953.00	11,364.13	7,209.56	221.69	119.42	100.18	-46.72	9,195.76	2,107.35	1,773.45	333.90	6.311		
13,600.00	6,953.00	11,465.48	7,211.20	224.30	122.11	100.23	-45.95	9,297.09	2,106.68	1,767.54	339.14	6.212		
13,700.00	6,953.00	11,563.27	7,211.81	226.92	124.71	100.25	-45.33	9,394.88	2,105.97	1,761.70	344.27	6.117		
13,800.00	6,953.00	11,680.30	7,211.85	229.53	127.82	100.26	-44.29	9,511.90	2,104.88	1,754.66	350.23	6.010		
13,849.98	6,953.00	11,700.00	7,211.84	230.84	128.34	100.26	-44.04	9,531.60	2,104.38	1,752.85	351.53	5.986 ES		
13,900.00	6,953.00	11,700.00	7,211.84	232.15	128.34	100.26	-44.04	9,531.60	2,104.97	1,753.14	351.83	5.983 SF		
14,000.00	6,953.00	11,700.00	7,211.84	234.77	128.34	100.26	-44.04	9,531.60	2,109.72	1,757.86	351.87	5.996		
14,100.00	6,953.00	11,700.00	7,211.84	237.39	128.34	100.26	-44.04	9,531.60	2,119.18	1,768.04	351.14	6.035		
14,200.00	6,953.00	11,700.00	7,211.84	240.01	128.34	100.26	-44.04	9,531.60	2,133.29	1,783.59	349.70	6.100		
14,300.00	6,953.00	11,700.00	7,211.84	242.64	128.34	100.26	-44.04	9,531.60	2,151.96	1,804.40	347.56	6.192		
14,400.00	6,953.00	11,700.00	7,211.84	245.27	128.34	100.26	-44.04	9,531.60	2,175.07	1,830.29	344.78	6.309		

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-20-01
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-20-01	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		
14,500.00	6,953.00	11,700.00	7,211.84	247.90	128.34	100.26	-44.04	9,531.60	2,202.49	1,861.06	341.43	6.451		
14,600.00	6,953.00	11,700.00	7,211.84	250.53	128.34	100.26	-44.04	9,531.60	2,234.04	1,896.49	337.56	6.618		
14,700.00	6,953.00	11,700.00	7,211.84	253.16	128.34	100.26	-44.04	9,531.60	2,269.57	1,936.33	333.24	6.811		
14,800.00	6,953.00	11,700.00	7,211.84	255.80	128.34	100.26	-44.04	9,531.60	2,308.89	1,980.35	328.54	7.028		
14,900.00	6,953.00	11,700.00	7,211.84	258.43	128.34	100.26	-44.04	9,531.60	2,351.80	2,028.27	323.53	7.269		
15,000.00	6,953.00	11,700.00	7,211.84	261.07	128.34	100.26	-44.04	9,531.60	2,398.12	2,079.85	318.27	7.535		
15,100.00	6,953.00	11,700.00	7,211.84	263.71	128.34	100.26	-44.04	9,531.60	2,447.64	2,134.82	312.83	7.824		
15,200.00	6,953.00	11,700.00	7,211.84	266.36	128.34	100.26	-44.04	9,531.60	2,500.19	2,192.94	307.25	8.137		
15,300.00	6,953.00	11,700.00	7,211.84	269.00	128.34	100.26	-44.04	9,531.60	2,555.58	2,253.98	301.60	8.473		
15,400.00	6,953.00	11,700.00	7,211.84	271.65	128.34	100.26	-44.04	9,531.60	2,613.61	2,317.70	295.91	8.832		
15,500.00	6,953.00	11,700.00	7,211.84	274.29	128.34	100.26	-44.04	9,531.60	2,674.13	2,383.91	290.22	9.214		
15,600.00	6,953.00	11,700.00	7,211.84	276.94	128.34	100.26	-44.04	9,531.60	2,736.97	2,452.40	284.56	9.618		
15,700.00	6,953.00	11,700.00	7,211.84	279.59	128.34	100.26	-44.04	9,531.60	2,801.96	2,522.99	278.97	10.044		
15,800.00	6,953.00	11,700.00	7,211.84	282.24	128.34	100.26	-44.04	9,531.60	2,868.97	2,595.51	273.46	10.491		
15,900.00	6,953.00	11,700.00	7,211.84	284.90	128.34	100.26	-44.04	9,531.60	2,937.86	2,669.81	268.05	10.960		
16,000.00	6,953.00	11,700.00	7,211.84	287.55	128.34	100.26	-44.04	9,531.60	3,008.49	2,745.74	262.75	11.450		
16,100.00	6,953.00	11,700.00	7,211.84	290.20	128.34	100.26	-44.04	9,531.60	3,080.75	2,823.17	257.58	11.960		
16,200.00	6,953.00	11,700.00	7,211.84	292.86	128.34	100.26	-44.04	9,531.60	3,154.52	2,901.98	252.55	12.491		
16,300.00	6,953.00	11,700.00	7,211.84	295.52	128.34	100.26	-44.04	9,531.60	3,229.71	2,982.06	247.65	13.041		
16,400.00	6,953.00	11,700.00	7,211.84	298.18	128.34	100.26	-44.04	9,531.60	3,306.21	3,063.31	242.90	13.611		
16,500.00	6,953.00	11,700.00	7,211.84	300.84	128.34	100.26	-44.04	9,531.60	3,383.94	3,145.64	238.30	14.200		
16,600.00	6,953.00	11,700.00	7,211.84	303.50	128.34	100.26	-44.04	9,531.60	3,462.81	3,228.96	233.84	14.808		
16,700.00	6,953.00	11,700.00	7,211.84	306.16	128.34	100.26	-44.04	9,531.60	3,542.74	3,313.21	229.53	15.435		
16,800.00	6,953.00	11,700.00	7,211.84	308.82	128.34	100.26	-44.04	9,531.60	3,623.68	3,398.31	225.37	16.079		
16,900.00	6,953.00	11,700.00	7,211.84	311.49	128.34	100.26	-44.04	9,531.60	3,705.54	3,484.20	221.34	16.741		
17,000.00	6,953.00	11,700.00	7,211.84	314.15	128.34	100.26	-44.04	9,531.60	3,788.28	3,570.82	217.46	17.421		
17,100.00	6,953.00	11,700.00	7,211.84	316.82	128.34	100.26	-44.04	9,531.60	3,871.83	3,658.12	213.71	18.117		
17,200.00	6,953.00	11,700.00	7,211.84	319.48	128.34	100.26	-44.04	9,531.60	3,956.14	3,746.05	210.09	18.831		
17,300.00	6,953.00	11,700.00	7,211.84	322.15	128.34	100.26	-44.04	9,531.60	4,041.17	3,834.57	206.60	19.560		
17,400.00	6,953.00	11,700.00	7,211.84	324.82	128.34	100.26	-44.04	9,531.60	4,126.87	3,923.63	203.24	20.305		
17,500.00	6,953.00	11,700.00	7,211.84	327.49	128.34	100.26	-44.04	9,531.60	4,213.20	4,013.20	200.00	21.066		
17,600.00	6,953.00	11,700.00	7,211.84	330.16	128.34	100.26	-44.04	9,531.60	4,300.12	4,103.25	196.87	21.842		
17,700.00	6,953.00	11,700.00	7,211.84	332.83	128.34	100.26	-44.04	9,531.60	4,387.60	4,193.75	193.86	22.633		
17,800.00	6,953.00	11,700.00	7,211.84	335.50	128.34	100.26	-44.04	9,531.60	4,475.61	4,284.66	190.95	23.439		
17,900.00	6,953.00	11,700.00	7,211.84	338.17	128.34	100.26	-44.04	9,531.60	4,564.11	4,375.96	188.15	24.258		
18,000.00	6,953.00	11,700.00	7,211.84	340.85	128.34	100.26	-44.04	9,531.60	4,653.07	4,467.63	185.44	25.092		
18,100.00	6,953.00	11,700.00	7,211.84	343.52	128.34	100.26	-44.04	9,531.60	4,742.48	4,559.64	182.83	25.939		
18,200.00	6,953.00	11,700.00	7,211.84	346.19	128.34	100.26	-44.04	9,531.60	4,832.30	4,651.98	180.32	26.798		
18,300.00	6,953.00	11,700.00	7,211.84	348.87	128.34	100.26	-44.04	9,531.60	4,922.51	4,744.62	177.89	27.671		
18,400.00	6,953.00	11,700.00	7,211.84	351.55	128.34	100.26	-44.04	9,531.60	5,013.09	4,837.54	175.55	28.556		
18,500.00	6,953.00	11,700.00	7,211.84	354.22	128.34	100.26	-44.04	9,531.60	5,104.03	4,930.74	173.29	29.453		
18,600.00	6,953.00	11,700.00	7,211.84	356.90	128.34	100.26	-44.04	9,531.60	5,195.30	5,024.19	171.11	30.362		
18,700.00	6,953.00	11,700.00	7,211.84	359.58	128.34	100.26	-44.04	9,531.60	5,286.88	5,117.88	169.01	31.282		
18,800.00	6,953.00	11,700.00	7,211.84	362.26	128.34	100.26	-44.04	9,531.60	5,378.77	5,211.79	166.97	32.214		
18,900.00	6,953.00	11,700.00	7,211.84	364.94	128.34	100.26	-44.04	9,531.60	5,470.93	5,305.93	165.01	33.156		
19,000.00	6,953.00	11,700.00	7,211.84	367.62	128.34	100.26	-44.04	9,531.60	5,563.37	5,400.27	163.11	34.108		
19,073.74	6,953.00	11,700.00	7,211.84	369.59	128.34	100.26	-44.04	9,531.60	5,631.71	5,469.96	161.75	34.817		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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	-55.96	4,962.87	4,963.21	4,962.95	0.27	N/A		
200.00	199.98	153.60	153.60	0.63	0.25	27.25	-56.62	4,961.79	4,961.05	4,960.17	0.88	5,662.580		
300.00	299.84	396.48	396.34	0.99	1.05	27.42	-59.63	4,954.76	4,953.47	4,951.43	2.04	2,425.325		
400.00	399.45	495.55	495.31	1.36	1.41	27.58	-59.27	4,950.47	4,941.42	4,938.66	2.76	1,788.316		
500.00	498.70	592.02	591.70	1.76	1.76	27.77	-58.57	4,946.38	4,926.39	4,922.91	3.48	1,415.886		
600.00	597.47	757.37	756.84	2.18	2.36	28.10	-58.66	4,938.18	4,907.60	4,903.15	4.45	1,101.640		
700.00	695.62	843.82	843.15	2.63	2.68	28.40	-57.98	4,933.37	4,885.25	4,880.10	5.15	948.393		
800.00	793.06	924.19	923.41	3.11	2.98	28.74	-56.92	4,929.26	4,860.32	4,854.49	5.83	833.014		
900.00	889.64	1,044.50	1,043.54	3.64	3.42	29.19	-55.34	4,922.79	4,832.21	4,825.53	6.67	723.931		
1,000.00	985.27	1,125.03	1,123.93	4.22	3.72	29.65	-54.27	4,918.34	4,801.11	4,793.72	7.39	649.875		
1,100.00	1,079.82	1,191.00	1,189.82	4.84	3.96	30.13	-53.53	4,915.11	4,767.72	4,759.66	8.07	591.055		
1,200.00	1,173.17	1,299.86	1,298.55	5.52	4.36	30.76	-52.27	4,909.84	4,731.65	4,722.74	8.92	530.729		
1,300.00	1,265.21	1,380.00	1,378.58	6.26	4.65	31.40	-51.17	4,905.80	4,692.67	4,682.98	9.68	484.546		
1,400.00	1,355.84	1,458.17	1,456.66	7.06	4.94	32.11	-50.64	4,902.01	4,651.23	4,640.76	10.47	444.184		
1,500.00	1,444.94	1,540.17	1,538.57	7.92	5.24	32.91	-51.03	4,898.24	4,607.46	4,596.16	11.30	407.810		
1,600.00	1,532.39	1,624.96	1,623.27	8.84	5.55	33.82	-51.72	4,894.36	4,561.22	4,549.06	12.16	375.005		
1,700.00	1,618.11	1,681.69	1,679.94	9.83	5.76	34.69	-51.99	4,891.88	4,512.76	4,499.80	12.96	348.087		
1,800.00	1,701.97	1,749.00	1,747.20	10.89	6.00	35.66	-51.17	4,889.62	4,462.63	4,448.80	13.83	322.566		
1,900.00	1,783.88	2,088.28	2,085.65	12.02	7.25	38.11	-40.16	4,869.79	4,409.48	4,393.89	15.59	282.827		
1,991.28	1,856.86	2,173.34	2,170.27	13.11	7.58	39.44	-37.46	4,861.61	4,355.26	4,338.75	16.51	263.727		
2,000.00	1,863.75	2,179.08	2,175.98	13.21	7.60	39.48	-37.29	4,861.06	4,350.00	4,333.40	16.60	262.055		
2,100.00	1,942.74	2,266.21	2,262.67	14.45	7.94	40.02	-34.93	4,852.63	4,289.85	4,272.23	17.62	243.506		
2,200.00	2,021.72	2,381.42	2,377.22	15.69	8.39	40.79	-33.45	4,840.34	4,229.22	4,210.48	18.74	225.676		
2,300.00	2,100.71	2,415.00	2,410.58	16.95	8.52	41.03	-33.19	4,836.58	4,168.70	4,149.05	19.65	212.123		
2,400.00	2,179.70	2,465.29	2,460.59	18.21	8.72	41.38	-32.91	4,831.29	4,108.89	4,088.26	20.64	199.095		
2,500.00	2,258.69	2,510.00	2,505.12	19.47	8.89	41.71	-32.82	4,827.30	4,050.29	4,028.65	21.63	187.227		
2,600.00	2,337.68	2,543.77	2,538.78	20.74	9.02	41.95	-32.80	4,824.57	3,992.55	3,969.93	22.62	176.485		
2,700.00	2,416.66	2,606.00	2,600.82	22.02	9.26	42.41	-32.76	4,819.71	3,935.48	3,911.76	23.71	165.950		
2,800.00	2,495.65	2,662.83	2,657.49	23.29	9.47	42.84	-32.66	4,815.50	3,879.00	3,854.18	24.82	156.313		
2,900.00	2,574.64	2,735.08	2,729.57	24.57	9.75	43.39	-32.36	4,810.43	3,823.10	3,797.12	25.98	147.153		
3,000.00	2,653.63	2,829.49	2,823.72	25.85	10.10	44.13	-31.53	4,803.55	3,767.28	3,740.06	27.22	138.384		
3,100.00	2,732.62	2,891.00	2,885.04	27.14	10.34	44.61	-30.71	4,798.84	3,711.53	3,683.12	28.40	130.667		
3,200.00	2,811.61	2,955.40	2,949.26	28.42	10.58	45.15	-30.60	4,794.00	3,656.36	3,626.74	29.62	123.443		
3,300.00	2,890.59	2,984.00	2,977.78	29.71	10.69	45.39	-31.10	4,791.96	3,602.28	3,571.50	30.77	117.057		
3,400.00	2,969.58	3,041.52	3,035.17	31.00	10.90	45.90	-32.16	4,788.37	3,549.17	3,517.14	32.03	110.814		
3,500.00	3,048.57	3,089.90	3,083.50	32.29	11.08	46.32	-32.58	4,786.02	3,497.26	3,463.98	33.28	105.080		
3,600.00	3,127.56	3,170.48	3,164.00	33.58	11.37	47.03	-32.89	4,782.35	3,445.99	3,411.35	34.64	99.476		
3,700.00	3,206.55	3,238.52	3,231.97	34.87	11.62	47.64	-32.88	4,779.36	3,395.23	3,359.23	35.99	94.327		
3,800.00	3,285.53	3,314.98	3,308.37	36.16	11.90	48.34	-32.77	4,776.15	3,345.06	3,307.66	37.39	89.454		
3,900.00	3,364.52	3,381.11	3,374.43	37.45	12.14	48.96	-33.10	4,773.25	3,295.37	3,256.58	38.80	84.934		
4,000.00	3,443.51	3,429.57	3,422.85	38.74	12.31	49.42	-33.22	4,771.52	3,246.76	3,206.57	40.19	80.790		
4,100.00	3,522.50	3,576.26	3,569.44	40.04	12.85	50.84	-32.15	4,765.98	3,198.43	3,156.60	41.82	76.472		
4,200.00	3,601.49	3,658.49	3,651.54	41.33	13.15	51.67	-31.78	4,761.59	3,149.44	3,106.09	43.35	72.654		
4,300.00	3,680.47	3,725.73	3,718.69	42.63	13.40	52.37	-31.71	4,758.01	3,101.12	3,056.24	44.87	69.109		
4,400.00	3,759.46	3,813.43	3,806.26	43.92	13.72	53.30	-31.48	4,753.38	3,053.42	3,006.95	46.47	65.707		
4,500.00	3,838.45	3,871.18	3,863.94	45.22	13.94	53.92	-31.09	4,750.36	3,006.33	2,958.29	48.03	62.588		
4,600.00	3,917.44	3,924.00	3,916.71	46.51	14.13	54.49	-30.60	4,748.16	2,960.55	2,910.94	49.61	59.671		
4,700.00	3,996.43	3,984.74	3,977.41	47.81	14.35	55.17	-30.31	4,745.96	2,915.99	2,864.74	51.24	56.904		
4,800.00	4,075.42	4,057.75	4,050.37	49.10	14.61	56.00	-30.38	4,743.46	2,872.45	2,819.52	52.93	54.268		
4,900.00	4,154.40	4,145.95	4,138.52	50.40	14.92	56.98	-28.34	4,741.15	2,829.54	2,774.88	54.66	51.768		
5,000.00	4,233.39	4,226.83	4,219.33	51.70	15.21	57.90	-26.03	4,738.84	2,787.03	2,730.63	56.40	49.418		
5,100.00	4,312.38	4,285.24	4,277.71	52.99	15.42	58.58	-24.65	4,737.34	2,745.64	2,687.50	58.13	47.232		

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-20-01
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-20-01	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	4,391.37	4,410.49	4,402.85	54.29	15.87	60.12	-23.34	4,732.64	2,704.66	2,644.63	60.04	45.051		
5,300.00	4,470.36	4,480.02	4,472.28	55.59	16.13	61.02	-23.41	4,729.06	2,664.02	2,602.14	61.88	43.050		
5,400.00	4,549.34	4,526.91	4,519.12	56.89	16.30	61.64	-23.72	4,726.83	2,624.84	2,561.13	63.71	41.198		
5,500.00	4,628.33	4,584.00	4,576.17	58.18	16.51	62.41	-24.58	4,724.77	2,587.68	2,522.09	65.59	39.451		
5,600.00	4,707.32	4,624.52	4,616.67	59.48	16.65	62.96	-25.44	4,723.68	2,552.35	2,484.91	67.45	37.842		
5,700.00	4,786.31	4,677.00	4,669.12	60.78	16.83	63.69	-26.67	4,722.57	2,518.84	2,449.49	69.35	36.320		
5,800.00	4,865.30	4,739.55	4,731.65	62.08	17.04	64.55	-28.02	4,721.92	2,487.10	2,415.81	71.29	34.887		
5,900.00	4,944.28	4,808.70	4,800.79	63.38	17.26	65.50	-29.10	4,722.08	2,457.08	2,383.83	73.25	33.543		
6,000.00	5,023.27	4,886.68	4,878.76	64.68	17.52	66.59	-30.25	4,722.33	2,428.31	2,353.06	75.25	32.269		
6,100.00	5,102.26	4,960.00	4,952.07	65.97	17.75	67.63	-31.58	4,722.58	2,400.94	2,323.68	77.26	31.077		
6,200.00	5,181.25	5,060.50	5,052.55	67.27	18.09	69.09	-33.55	4,722.38	2,374.59	2,295.23	79.37	29.919		
6,300.00	5,260.24	5,131.69	5,123.73	68.57	18.32	70.13	-34.44	4,722.37	2,349.36	2,267.97	81.39	28.866		
6,400.00	5,339.23	5,204.02	5,196.06	69.87	18.55	71.18	-34.84	4,722.99	2,325.66	2,242.26	83.40	27.885		
6,500.00	5,418.21	5,283.91	5,275.94	71.17	18.81	72.36	-35.20	4,723.99	2,303.50	2,218.07	85.43	26.962		
6,600.00	5,497.20	5,369.91	5,361.93	72.47	19.08	73.64	-35.66	4,724.71	2,282.55	2,195.06	87.49	26.090		
6,700.00	5,576.19	5,456.53	5,448.56	73.77	19.36	74.95	-35.92	4,725.32	2,262.84	2,173.30	89.54	25.273		
6,800.00	5,655.18	5,549.90	5,541.91	75.07	19.66	76.35	-34.98	4,726.56	2,244.20	2,152.61	91.58	24.505		
6,900.00	5,734.17	5,640.19	5,632.19	76.37	19.96	77.73	-33.70	4,727.36	2,226.53	2,132.92	93.61	23.785		
7,000.00	5,813.15	5,709.00	5,700.99	77.67	20.19	78.79	-32.75	4,727.72	2,210.24	2,114.67	95.57	23.127		
7,100.00	5,892.14	5,779.07	5,771.05	78.97	20.42	79.89	-32.35	4,727.93	2,195.87	2,098.35	97.51	22.519		
7,200.00	5,971.13	5,847.08	5,839.07	80.27	20.65	80.98	-32.77	4,728.02	2,183.73	2,084.31	99.42	21.965		
7,300.00	6,050.12	5,925.97	5,917.96	81.57	20.91	82.25	-33.33	4,728.36	2,173.47	2,072.15	101.33	21.450		
7,400.00	6,129.11	6,013.54	6,005.52	82.86	21.20	83.66	-33.60	4,728.73	2,164.63	2,061.41	103.22	20.971		
7,500.00	6,208.09	6,088.00	6,079.98	84.16	21.45	84.87	-33.91	4,728.80	2,157.43	2,052.40	105.03	20.541		
7,600.00	6,287.08	6,138.20	6,130.18	85.46	21.62	85.69	-34.56	4,728.87	2,152.58	2,045.89	106.69	20.176		
7,700.00	6,366.07	6,183.00	6,174.96	86.76	21.77	86.43	-35.73	4,729.13	2,150.59	2,042.34	108.25	19.867		
7,708.91	6,373.11	6,183.00	6,174.96	86.88	21.77	86.43	-35.73	4,729.13	2,150.57	2,042.21	108.37	19.846		
7,800.00	6,445.06	6,183.00	6,174.96	88.06	21.77	86.43	-35.73	4,729.13	2,152.50	2,043.07	109.43	19.670		
7,900.00	6,524.05	6,238.06	6,229.86	89.36	21.94	87.28	-37.59	4,732.51	2,156.96	2,046.12	110.84	19.461		
8,000.00	6,603.03	6,276.00	6,267.33	90.66	22.05	87.80	-38.96	4,738.23	2,165.54	2,053.51	112.03	19.331		
8,100.00	6,682.02	6,313.65	6,304.13	91.96	22.16	88.27	-40.21	4,746.08	2,177.17	2,064.07	113.10	19.249		
8,133.44	6,708.44	6,332.16	6,322.09	92.40	22.21	88.49	-40.71	4,750.53	2,181.61	2,068.11	113.50	19.221		
8,150.00	6,721.39	6,341.41	6,331.03	92.62	22.24	87.31	-40.93	4,752.90	2,183.77	2,070.07	113.70	19.206		
8,200.00	6,758.90	6,370.00	6,358.49	93.34	22.32	84.39	-41.51	4,760.83	2,189.05	2,074.69	114.36	19.142		
8,250.00	6,793.76	6,370.00	6,358.49	94.13	22.32	81.84	-41.51	4,760.83	2,192.72	2,077.94	114.79	19.103		
8,300.00	6,825.72	6,404.08	6,390.93	95.00	22.41	80.39	-42.32	4,771.26	2,194.42	2,078.78	115.64	18.976		
8,350.00	6,854.52	6,420.44	6,406.39	95.93	22.46	79.20	-42.87	4,776.57	2,194.67	2,078.31	116.36	18.861		
8,400.00	6,879.97	6,436.09	6,421.12	96.92	22.50	78.45	-43.49	4,781.83	2,193.34	2,076.22	117.12	18.727		
8,450.00	6,901.84	6,465.00	6,448.13	97.95	22.58	78.33	-44.90	4,792.02	2,190.60	2,072.51	118.09	18.550		
8,500.00	6,920.00	6,465.00	6,448.13	99.02	22.58	78.02	-44.90	4,792.02	2,186.18	2,067.45	118.73	18.413		
8,550.00	6,934.28	6,484.16	6,465.89	100.12	22.63	78.39	-45.94	4,799.14	2,180.44	2,060.80	119.65	18.224		
8,600.00	6,944.59	6,502.35	6,482.62	101.22	22.68	79.05	-46.91	4,806.22	2,173.32	2,052.75	120.57	18.025		
8,650.00	6,950.84	6,519.35	6,498.13	102.33	22.73	79.97	-47.80	4,813.12	2,164.91	2,043.42	121.49	17.820		
8,701.16	6,953.00	6,535.32	6,512.59	103.44	22.77	81.16	-48.63	4,819.84	2,155.11	2,032.70	122.41	17.606		
8,800.00	6,953.00	6,560.00	6,534.72	105.59	22.84	81.76	-49.88	4,830.69	2,136.96	2,012.92	124.04	17.228		
8,900.00	6,953.00	6,596.58	6,566.83	107.79	22.95	82.63	-51.70	4,848.11	2,122.45	1,996.67	125.78	16.874		
9,000.00	6,953.00	6,633.87	6,598.48	110.02	23.07	83.49	-53.49	4,867.72	2,111.78	1,984.35	127.44	16.571		
9,100.00	6,953.00	6,699.82	6,651.43	112.26	23.29	84.93	-56.21	4,906.89	2,104.58	1,975.05	129.54	16.247		
9,200.00	6,953.00	6,792.48	6,718.30	114.52	23.67	86.76	-57.89	4,970.92	2,099.44	1,967.28	132.16	15.886		
9,300.00	6,953.00	6,843.00	6,751.36	116.80	23.90	87.66	-58.12	5,009.11	2,096.26	1,962.31	133.95	15.650		
9,364.90	6,953.00	6,890.12	6,780.04	118.30	24.19	88.44	-58.55	5,046.48	2,095.45	1,960.00	135.45	15.470		
9,400.00	6,953.00	6,906.02	6,789.24	119.10	24.28	88.69	-58.88	5,059.44	2,095.64	1,959.60	136.04	15.405		

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-20-01
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-20-01	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	6,953.00	6,961.63	6,819.35	121.42	24.66	89.52	-60.66	5,106.15	2,098.09	1,960.14	137.95	15.209		
9,600.00	6,953.00	7,040.59	6,854.96	123.75	25.30	90.49	-63.88	5,176.49	2,102.44	1,961.89	140.55	14.959		
9,700.00	6,953.00	7,131.46	6,885.42	126.10	26.20	91.32	-68.27	5,261.92	2,107.90	1,964.22	143.68	14.671		
9,800.00	6,953.00	7,257.92	6,909.69	128.46	27.76	91.97	-73.47	5,385.78	2,112.31	1,964.09	148.23	14.251		
9,900.00	6,953.00	7,354.48	6,916.50	130.84	29.13	92.15	-78.29	5,481.95	2,117.34	1,965.32	152.02	13.928		
10,000.00	6,953.00	7,572.24	6,920.33	133.23	32.74	92.25	-83.13	5,699.55	2,119.60	1,959.27	160.33	13.221		
10,100.00	6,953.00	7,729.40	6,919.43	135.63	35.70	92.23	-79.72	5,856.66	2,117.08	1,950.36	166.72	12.699		
10,200.00	6,953.00	7,826.41	6,918.86	138.04	37.67	92.22	-76.83	5,953.63	2,113.87	1,942.70	171.16	12.350		
10,300.00	6,953.00	7,992.57	6,915.60	140.46	41.18	92.14	-68.21	6,119.51	2,108.07	1,929.92	178.14	11.833		
10,400.00	6,953.00	8,061.57	6,914.01	142.90	42.69	92.10	-63.88	6,188.36	2,101.73	1,919.94	181.78	11.562		
10,500.00	6,953.00	8,164.59	6,912.30	145.34	45.00	92.06	-59.60	6,291.27	2,097.33	1,910.65	186.68	11.235		
10,600.00	6,953.00	8,232.47	6,911.02	147.80	46.55	92.03	-56.42	6,359.07	2,092.53	1,902.20	190.33	10.994		
10,700.00	6,953.00	8,290.55	6,909.73	150.26	47.89	91.99	-55.16	6,417.11	2,089.97	1,896.40	193.57	10.797		
10,800.00	6,953.00	8,412.23	6,907.40	152.73	50.76	91.93	-52.43	6,538.74	2,087.39	1,888.04	199.35	10.471		
10,900.00	6,953.00	8,496.30	6,907.53	155.21	52.77	91.94	-50.57	6,622.78	2,084.98	1,881.31	203.67	10.237		
11,000.00	6,953.00	8,576.04	6,906.55	157.70	54.70	91.91	-49.62	6,702.51	2,083.53	1,875.70	207.83	10.025		
11,100.00	6,953.00	8,674.09	6,905.50	160.20	57.09	91.88	-49.06	6,800.55	2,082.70	1,869.93	212.77	9.788		
11,200.00	6,953.00	8,789.60	6,903.95	162.70	59.94	91.84	-47.42	6,916.04	2,080.97	1,862.50	218.47	9.525		
11,300.00	6,953.00	8,892.30	6,901.55	165.21	62.49	91.78	-46.44	7,018.71	2,079.75	1,856.08	223.66	9.299		
11,400.00	6,953.00	8,986.93	6,899.45	167.73	64.86	91.72	-44.52	7,113.30	2,077.47	1,848.93	228.54	9.090		
11,500.00	6,953.00	9,060.07	6,898.75	170.25	66.71	91.70	-44.31	7,186.43	2,076.86	1,844.35	232.51	8.932		
11,600.00	6,953.00	9,181.16	6,898.30	172.78	69.78	91.69	-43.39	7,307.52	2,075.83	1,837.28	238.55	8.702		
11,700.00	6,953.00	9,289.09	6,898.81	175.31	72.53	91.71	-42.18	7,415.44	2,074.51	1,830.47	244.04	8.501		
11,800.00	6,953.00	9,363.34	6,899.50	177.85	74.43	91.73	-41.28	7,489.68	2,073.22	1,825.12	248.10	8.356		
11,819.24	6,953.00	9,374.53	6,899.61	178.34	74.72	91.73	-41.28	7,500.86	2,073.18	1,824.44	248.75	8.334 CC		
11,900.00	6,953.00	9,426.82	6,900.14	180.40	76.06	91.74	-41.82	7,553.15	2,073.83	1,822.17	251.65	8.241		
12,000.00	6,953.00	9,558.64	6,900.10	182.95	79.46	91.74	-43.39	7,684.95	2,074.92	1,816.65	258.28	8.034		
12,100.00	6,953.00	9,668.00	6,898.74	185.50	82.30	91.71	-42.64	7,794.30	2,073.94	1,810.04	263.90	7.859		
12,165.64	6,953.00	9,720.96	6,897.62	187.18	83.67	91.68	-42.64	7,847.26	2,073.75	1,806.99	266.76	7.774		
12,200.00	6,953.00	9,750.08	6,896.97	188.06	84.43	91.66	-42.76	7,876.36	2,073.80	1,805.47	268.32	7.729		
12,300.00	6,953.00	9,871.40	6,894.10	190.63	87.59	91.58	-43.25	7,997.65	2,074.01	1,799.51	274.49	7.556		
12,380.47	6,953.00	9,935.94	6,892.66	192.69	89.27	91.54	-42.99	8,062.17	2,073.51	1,795.50	278.01	7.458		
12,400.00	6,953.00	9,948.94	6,892.42	193.20	89.61	91.53	-43.04	8,075.17	2,073.54	1,794.80	278.74	7.439		
12,500.00	6,953.00	10,036.83	6,891.16	195.77	91.91	91.50	-44.07	8,163.04	2,074.42	1,790.99	283.44	7.319		
12,600.00	6,953.00	10,129.34	6,889.79	198.35	94.34	91.46	-45.11	8,255.54	2,075.31	1,786.97	288.35	7.197		
12,700.00	6,953.00	10,215.79	6,890.45	200.93	96.61	91.47	-46.73	8,341.97	2,076.98	1,784.00	292.98	7.089		
12,800.00	6,953.00	10,335.64	6,892.35	203.51	99.77	91.53	-48.99	8,461.78	2,078.76	1,779.59	299.17	6.948		
12,900.00	6,953.00	10,419.75	6,893.23	206.10	101.99	91.55	-49.96	8,545.88	2,079.79	1,776.08	303.71	6.848		
13,000.00	6,953.00	10,518.82	6,893.55	208.69	104.61	91.56	-52.32	8,644.92	2,081.96	1,773.01	308.95	6.739		
13,100.00	6,953.00	10,610.38	6,892.55	211.29	107.03	91.53	-54.03	8,736.46	2,083.61	1,769.78	313.84	6.639		
13,200.00	6,953.00	10,736.68	6,889.72	213.88	110.38	91.45	-56.98	8,862.69	2,085.82	1,765.45	320.37	6.511		
13,300.00	6,953.00	10,849.08	6,887.40	216.48	113.36	91.38	-57.89	8,975.06	2,086.36	1,760.12	326.24	6.395		
13,400.00	6,953.00	10,953.57	6,888.63	219.09	116.14	91.42	-58.20	9,079.54	2,086.47	1,754.73	331.75	6.289		
13,500.00	6,953.00	11,042.06	6,890.78	221.69	118.49	91.48	-58.69	9,168.00	2,086.87	1,750.34	336.53	6.201		
13,600.00	6,953.00	11,150.21	6,892.78	224.30	121.37	91.53	-59.61	9,276.13	2,087.58	1,745.37	342.21	6.100		
13,700.00	6,953.00	11,344.28	6,898.64	226.92	126.53	91.70	-55.69	9,470.04	2,085.29	1,733.87	351.42	5.934		
13,800.00	6,953.00	11,410.00	6,901.37	229.53	128.28	91.77	-52.96	9,535.64	2,081.33	1,725.95	355.38	5.857		
13,854.04	6,953.00	11,410.00	6,901.37	230.94	128.28	91.77	-52.96	9,535.64	2,080.63	1,724.69	355.94	5.845 ES		
13,900.00	6,953.00	11,410.00	6,901.37	232.15	128.28	91.77	-52.96	9,535.64	2,081.14	1,724.90	356.23	5.842 SF		
14,000.00	6,953.00	11,410.00	6,901.37	234.77	128.28	91.77	-52.96	9,535.64	2,085.74	1,729.44	356.30	5.854		
14,100.00	6,953.00	11,410.00	6,901.37	237.39	128.28	91.77	-52.96	9,535.64	2,095.12	1,739.53	355.59	5.892		
14,200.00	6,953.00	11,410.00	6,901.37	240.01	128.28	91.77	-52.96	9,535.64	2,109.20	1,755.08	354.11	5.956		

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-20-01
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-20-01	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	6,953.00	11,410.00	6,901.37	242.64	128.28	91.77	-52.96	9,535.64	2,127.89	1,775.96	351.92	6.046		
14,400.00	6,953.00	11,410.00	6,901.37	245.27	128.28	91.77	-52.96	9,535.64	2,151.07	1,801.99	349.07	6.162		
14,500.00	6,953.00	11,410.00	6,901.37	247.90	128.28	91.77	-52.96	9,535.64	2,178.60	1,832.98	345.62	6.303		
14,600.00	6,953.00	11,410.00	6,901.37	250.53	128.28	91.77	-52.96	9,535.64	2,210.31	1,868.68	341.63	6.470		
14,700.00	6,953.00	11,410.00	6,901.37	253.16	128.28	91.77	-52.96	9,535.64	2,246.03	1,908.86	337.18	6.661		
14,800.00	6,953.00	11,410.00	6,901.37	255.80	128.28	91.77	-52.96	9,535.64	2,285.58	1,953.24	332.34	6.877		
14,900.00	6,953.00	11,410.00	6,901.37	258.43	128.28	91.77	-52.96	9,535.64	2,328.75	2,001.57	327.17	7.118		
15,000.00	6,953.00	11,410.00	6,901.37	261.07	128.28	91.77	-52.96	9,535.64	2,375.34	2,053.58	321.76	7.382		
15,100.00	6,953.00	11,410.00	6,901.37	263.71	128.28	91.77	-52.96	9,535.64	2,425.17	2,109.01	316.16	7.671		
15,200.00	6,953.00	11,410.00	6,901.37	266.36	128.28	91.77	-52.96	9,535.64	2,478.03	2,167.61	310.42	7.983		
15,300.00	6,953.00	11,410.00	6,901.37	269.00	128.28	91.77	-52.96	9,535.64	2,533.74	2,229.13	304.61	8.318		
15,400.00	6,953.00	11,410.00	6,901.37	271.65	128.28	91.77	-52.96	9,535.64	2,592.11	2,293.35	298.76	8.676		
15,500.00	6,953.00	11,410.00	6,901.37	274.29	128.28	91.77	-52.96	9,535.64	2,652.96	2,360.04	292.92	9.057		
15,600.00	6,953.00	11,410.00	6,901.37	276.94	128.28	91.77	-52.96	9,535.64	2,716.14	2,429.02	287.11	9.460		
15,700.00	6,953.00	11,410.00	6,901.37	279.59	128.28	91.77	-52.96	9,535.64	2,781.47	2,500.10	281.38	9.885		
15,800.00	6,953.00	11,410.00	6,901.37	282.24	128.28	91.77	-52.96	9,535.64	2,848.82	2,573.10	275.73	10.332		
15,900.00	6,953.00	11,410.00	6,901.37	284.90	128.28	91.77	-52.96	9,535.64	2,918.04	2,647.86	270.18	10.800		
16,000.00	6,953.00	11,410.00	6,901.37	287.55	128.28	91.77	-52.96	9,535.64	2,989.01	2,724.25	264.76	11.289		
16,100.00	6,953.00	11,410.00	6,901.37	290.20	128.28	91.77	-52.96	9,535.64	3,061.60	2,802.12	259.47	11.799		
16,200.00	6,953.00	11,410.00	6,901.37	292.86	128.28	91.77	-52.96	9,535.64	3,135.69	2,881.36	254.33	12.329		
16,300.00	6,953.00	11,410.00	6,901.37	295.52	128.28	91.77	-52.96	9,535.64	3,211.19	2,961.87	249.33	12.880		
16,400.00	6,953.00	11,410.00	6,901.37	298.18	128.28	91.77	-52.96	9,535.64	3,288.00	3,043.53	244.47	13.449		
16,500.00	6,953.00	11,410.00	6,901.37	300.84	128.28	91.77	-52.96	9,535.64	3,366.03	3,126.25	239.77	14.038		
16,600.00	6,953.00	11,410.00	6,901.37	303.50	128.28	91.77	-52.96	9,535.64	3,445.19	3,209.96	235.23	14.646		
16,700.00	6,953.00	11,410.00	6,901.37	306.16	128.28	91.77	-52.96	9,535.64	3,525.41	3,294.58	230.83	15.273		
16,800.00	6,953.00	11,410.00	6,901.37	308.82	128.28	91.77	-52.96	9,535.64	3,606.62	3,380.04	226.58	15.918		
16,900.00	6,953.00	11,410.00	6,901.37	311.49	128.28	91.77	-52.96	9,535.64	3,688.75	3,466.28	222.48	16.580		
17,000.00	6,953.00	11,410.00	6,901.37	314.15	128.28	91.77	-52.96	9,535.64	3,771.75	3,553.23	218.52	17.261		
17,100.00	6,953.00	11,410.00	6,901.37	316.82	128.28	91.77	-52.96	9,535.64	3,855.55	3,640.86	214.70	17.958		
17,200.00	6,953.00	11,410.00	6,901.37	319.48	128.28	91.77	-52.96	9,535.64	3,940.11	3,729.10	211.01	18.672		
17,300.00	6,953.00	11,410.00	6,901.37	322.15	128.28	91.77	-52.96	9,535.64	4,025.38	3,817.92	207.46	19.403		
17,400.00	6,953.00	11,410.00	6,901.37	324.82	128.28	91.77	-52.96	9,535.64	4,111.31	3,907.27	204.04	20.150		
17,500.00	6,953.00	11,410.00	6,901.37	327.49	128.28	91.77	-52.96	9,535.64	4,197.86	3,997.13	200.74	20.912		
17,600.00	6,953.00	11,410.00	6,901.37	330.16	128.28	91.77	-52.96	9,535.64	4,285.00	4,087.45	197.56	21.690		
17,700.00	6,953.00	11,410.00	6,901.37	332.83	128.28	91.77	-52.96	9,535.64	4,372.69	4,178.21	194.49	22.483		
17,800.00	6,953.00	11,410.00	6,901.37	335.50	128.28	91.77	-52.96	9,535.64	4,460.90	4,269.37	191.53	23.291		
17,900.00	6,953.00	11,410.00	6,901.37	338.17	128.28	91.77	-52.96	9,535.64	4,549.60	4,360.92	188.68	24.113		
18,000.00	6,953.00	11,410.00	6,901.37	340.85	128.28	91.77	-52.96	9,535.64	4,638.75	4,452.82	185.93	24.949		
18,100.00	6,953.00	11,410.00	6,901.37	343.52	128.28	91.77	-52.96	9,535.64	4,728.34	4,545.07	183.28	25.799		
18,200.00	6,953.00	11,410.00	6,901.37	346.19	128.28	91.77	-52.96	9,535.64	4,818.34	4,637.62	180.72	26.662		
18,300.00	6,953.00	11,410.00	6,901.37	348.87	128.28	91.77	-52.96	9,535.64	4,908.73	4,730.48	178.25	27.538		
18,400.00	6,953.00	11,410.00	6,901.37	351.55	128.28	91.77	-52.96	9,535.64	4,999.48	4,823.61	175.87	28.427		
18,500.00	6,953.00	11,410.00	6,901.37	354.22	128.28	91.77	-52.96	9,535.64	5,090.58	4,917.01	173.57	29.328		
18,600.00	6,953.00	11,410.00	6,901.37	356.90	128.28	91.77	-52.96	9,535.64	5,182.01	5,010.65	171.35	30.242		
18,700.00	6,953.00	11,410.00	6,901.37	359.58	128.28	91.77	-52.96	9,535.64	5,273.74	5,104.53	169.21	31.167		
18,800.00	6,953.00	11,410.00	6,901.37	362.26	128.28	91.77	-52.96	9,535.64	5,365.78	5,198.63	167.14	32.103		
18,900.00	6,953.00	11,410.00	6,901.37	364.94	128.28	91.77	-52.96	9,535.64	5,458.09	5,292.95	165.15	33.050		
19,000.00	6,953.00	11,410.00	6,901.37	367.62	128.28	91.77	-52.96	9,535.64	5,550.67	5,387.46	163.21	34.008		
19,073.74	6,953.00	11,410.00	6,901.37	369.59	128.28	91.77	-52.96	9,535.64	5,619.11	5,457.27	161.83	34.722		

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-20-01
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-20-01	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	91.10	-95.40	4,962.88	4,963.82	4,963.55	0.27	N/A		
200.00	199.98	76.40	76.40	0.63	0.12	27.68	-95.46	4,962.94	4,962.32	4,961.57	0.75	6,630.911		
300.00	299.84	167.26	167.26	0.99	0.27	27.75	-95.69	4,963.15	4,957.93	4,956.67	1.26	3,944.464		
400.00	399.45	541.10	540.77	1.36	1.55	28.12	-103.95	4,953.64	4,947.54	4,944.62	2.92	1,694.690		
500.00	498.70	655.00	654.36	1.76	1.98	28.42	-109.45	4,947.28	4,931.34	4,927.63	3.71	1,329.424		
600.00	597.47	714.24	713.43	2.18	2.20	28.70	-112.80	4,944.26	4,912.60	4,908.29	4.31	1,140.967		
700.00	695.62	815.23	814.15	2.63	2.58	29.09	-118.53	4,939.45	4,891.28	4,886.21	5.07	965.052		
800.00	793.06	939.00	937.59	3.11	3.05	29.58	-124.32	4,932.77	4,866.35	4,860.42	5.92	821.439		
900.00	889.64	1,014.29	1,012.72	3.64	3.33	30.02	-127.09	4,928.63	4,838.50	4,831.89	6.61	731.849		
1,000.00	985.27	1,064.28	1,062.60	4.22	3.52	30.45	-129.22	4,926.27	4,808.58	4,801.36	7.22	665.592		
1,100.00	1,079.82	1,128.00	1,126.19	4.84	3.76	30.98	-132.68	4,924.04	4,776.88	4,768.97	7.91	604.040		
1,200.00	1,173.17	1,209.67	1,207.66	5.52	4.07	31.62	-137.77	4,921.46	4,742.89	4,734.21	8.68	546.285		
1,300.00	1,265.21	1,326.54	1,324.22	6.26	4.51	32.45	-144.96	4,917.04	4,705.72	4,696.11	9.61	489.709		
1,400.00	1,355.84	1,413.83	1,411.29	7.06	4.84	33.26	-150.12	4,913.54	4,665.75	4,655.30	10.45	446.352		
1,500.00	1,444.94	1,503.76	1,501.00	7.92	5.18	34.16	-155.26	4,909.89	4,623.24	4,611.90	11.33	407.884		
1,600.00	1,532.39	1,626.79	1,623.70	8.84	5.65	35.31	-162.06	4,904.15	4,577.72	4,565.36	12.36	370.230		
1,700.00	1,618.11	1,706.15	1,702.86	9.83	5.95	36.35	-166.19	4,900.29	4,529.77	4,516.50	13.27	341.286		
1,800.00	1,701.97	1,786.81	1,783.29	10.89	6.26	37.51	-170.89	4,896.33	4,479.60	4,465.37	14.22	314.919		
1,900.00	1,783.88	1,896.80	1,892.91	12.02	6.68	38.97	-177.89	4,890.67	4,427.23	4,411.91	15.32	288.922		
1,991.28	1,856.86	1,979.55	1,975.27	13.11	7.01	40.32	-184.05	4,885.51	4,376.93	4,360.62	16.31	268.420		
2,000.00	1,863.75	1,983.96	1,979.67	13.21	7.02	40.36	-184.38	4,885.24	4,372.05	4,355.66	16.39	266.712		
2,100.00	1,942.74	2,038.00	2,033.47	14.45	7.24	40.76	-188.31	4,882.11	4,316.61	4,299.24	17.37	248.456		
2,200.00	2,021.72	2,090.93	2,086.19	15.69	7.44	41.16	-192.06	4,879.29	4,261.87	4,243.49	18.38	231.885		
2,300.00	2,100.71	2,147.08	2,142.13	16.95	7.66	41.59	-196.03	4,876.53	4,207.80	4,188.38	19.42	216.640		
2,400.00	2,179.70	2,202.54	2,197.42	18.21	7.87	42.01	-199.63	4,874.10	4,154.45	4,133.96	20.49	202.766		
2,500.00	2,258.69	2,287.42	2,282.10	19.47	8.19	42.66	-204.41	4,870.67	4,101.65	4,079.98	21.67	189.236		
2,600.00	2,337.68	2,372.51	2,366.99	20.74	8.52	43.32	-208.84	4,866.92	4,048.91	4,026.03	22.88	176.935		
2,700.00	2,416.66	2,438.22	2,432.54	22.02	8.77	43.85	-212.45	4,863.98	3,996.56	3,972.51	24.06	166.143		
2,800.00	2,495.65	2,491.94	2,486.12	23.29	8.97	44.28	-215.56	4,861.80	3,944.97	3,919.76	25.21	156.464		
2,900.00	2,574.64	2,551.95	2,545.98	24.57	9.20	44.78	-219.11	4,859.64	3,894.19	3,867.77	26.42	147.414		
3,000.00	2,653.63	2,617.64	2,611.53	25.85	9.45	45.33	-222.90	4,857.52	3,844.11	3,816.45	27.66	138.960		
3,100.00	2,732.62	2,695.56	2,689.23	27.14	9.74	46.01	-228.17	4,854.89	3,794.55	3,765.57	28.98	130.936		
3,200.00	2,811.61	2,770.36	2,763.77	28.42	10.03	46.68	-233.71	4,852.23	3,745.49	3,715.17	30.32	123.544		
3,300.00	2,890.59	2,837.38	2,830.59	29.71	10.29	47.29	-238.39	4,849.96	3,697.02	3,665.37	31.65	116.805		
3,400.00	2,969.58	2,907.25	2,900.28	31.00	10.55	47.93	-242.95	4,847.88	3,649.31	3,616.29	33.02	110.524		
3,500.00	3,048.57	2,997.73	2,990.53	32.29	10.90	48.77	-248.76	4,844.99	3,601.99	3,567.51	34.48	104.473		
3,600.00	3,127.56	3,076.50	3,069.11	33.58	11.19	49.51	-253.48	4,842.38	3,555.09	3,519.17	35.92	98.962		
3,700.00	3,206.55	3,158.76	3,151.17	34.87	11.51	50.31	-258.52	4,839.49	3,508.68	3,471.27	37.41	93.790		
3,800.00	3,285.53	3,226.98	3,219.19	36.16	11.77	50.99	-263.14	4,836.91	3,462.85	3,423.97	38.88	89.062		
3,900.00	3,364.52	3,287.00	3,279.06	37.45	11.99	51.59	-266.84	4,835.00	3,417.99	3,377.64	40.35	84.708		
4,000.00	3,443.51	3,411.67	3,403.46	38.74	12.47	52.86	-273.83	4,830.71	3,373.53	3,331.48	42.05	80.232		
4,100.00	3,522.50	3,529.77	3,521.17	40.04	12.92	54.12	-280.97	4,824.41	3,328.43	3,284.67	43.76	76.061		
4,200.00	3,601.49	3,598.78	3,589.87	41.33	13.19	54.89	-285.90	4,820.08	3,283.79	3,238.43	45.36	72.395		
4,300.00	3,680.47	3,663.00	3,653.81	42.63	13.44	55.61	-290.52	4,816.38	3,240.32	3,193.35	46.97	68.983		
4,400.00	3,759.46	3,720.31	3,710.90	43.92	13.67	56.27	-294.63	4,813.34	3,197.98	3,149.39	48.59	65.814		
4,500.00	3,838.45	3,785.81	3,776.14	45.22	13.92	57.02	-299.32	4,809.97	3,156.66	3,106.40	50.26	62.803		
4,600.00	3,917.44	3,853.00	3,843.10	46.51	14.18	57.81	-303.94	4,806.89	3,116.53	3,064.56	51.97	59.973		
4,700.00	3,996.43	3,922.97	3,912.88	47.81	14.45	58.62	-308.14	4,804.10	3,077.46	3,023.77	53.69	57.316		
4,800.00	4,075.42	3,994.37	3,984.14	49.10	14.72	59.46	-311.88	4,801.52	3,039.33	2,983.88	55.45	54.816		
4,900.00	4,154.40	4,078.55	4,068.08	50.40	15.04	60.48	-317.16	4,798.13	3,002.25	2,944.97	57.28	52.415		
5,000.00	4,233.39	4,178.96	4,168.04	51.70	15.43	61.75	-324.85	4,792.43	2,965.57	2,906.36	59.21	50.083		
5,100.00	4,312.38	4,258.74	4,247.39	52.99	15.75	62.79	-331.24	4,787.23	2,929.61	2,868.50	61.11	47.941		

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-20-01
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-20-01	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	4,391.37	4,331.62	4,319.97	54.29	16.04	63.74	-336.30	4,782.94	2,894.83	2,831.83	62.99	45.954		
5,300.00	4,470.36	4,427.94	4,415.93	55.59	16.41	65.01	-342.27	4,777.20	2,860.90	2,795.93	64.97	44.033		
5,400.00	4,549.34	4,490.58	4,478.35	56.89	16.65	65.84	-345.98	4,773.51	2,828.09	2,761.23	66.86	42.301		
5,500.00	4,628.33	4,557.74	4,545.30	58.18	16.91	66.74	-349.87	4,769.78	2,796.70	2,727.93	68.77	40.667		
5,600.00	4,707.32	4,626.80	4,614.13	59.48	17.18	67.68	-353.97	4,766.09	2,766.75	2,696.05	70.71	39.129		
5,700.00	4,786.31	4,700.17	4,687.28	60.78	17.46	68.69	-358.30	4,762.26	2,738.19	2,665.52	72.67	37.679		
5,800.00	4,865.30	4,786.19	4,773.08	62.08	17.79	69.87	-362.78	4,758.01	2,710.83	2,636.14	74.68	36.299		
5,900.00	4,944.28	4,837.14	4,823.92	63.38	17.98	70.58	-365.14	4,755.83	2,684.96	2,608.38	76.57	35.065		
6,000.00	5,023.27	4,888.00	4,874.69	64.68	18.17	71.28	-367.69	4,754.18	2,661.23	2,582.77	78.46	33.919		
6,100.00	5,102.26	4,994.74	4,981.14	65.97	18.57	72.80	-373.99	4,749.59	2,638.76	2,558.19	80.56	32.753		
6,200.00	5,181.25	5,067.10	5,053.28	67.27	18.85	73.84	-378.30	4,745.92	2,617.40	2,534.86	82.55	31.708		
6,300.00	5,260.24	5,146.65	5,132.62	68.57	19.15	75.00	-382.62	4,742.23	2,597.55	2,513.01	84.54	30.724		
6,400.00	5,339.23	5,205.55	5,191.38	69.87	19.38	75.86	-385.75	4,739.63	2,579.32	2,492.87	86.45	29.836		
6,500.00	5,418.21	5,263.00	5,248.71	71.17	19.59	76.69	-388.94	4,737.75	2,563.34	2,475.01	88.33	29.020		
6,600.00	5,497.20	5,316.86	5,302.47	72.47	19.79	77.47	-392.01	4,736.53	2,549.52	2,459.35	90.16	28.277		
6,700.00	5,576.19	5,389.93	5,375.42	73.77	20.06	78.53	-396.14	4,735.47	2,537.68	2,445.63	92.05	27.568		
6,800.00	5,655.18	5,477.82	5,463.19	75.07	20.39	79.80	-400.65	4,734.16	2,527.10	2,433.12	93.98	26.890		
6,900.00	5,734.17	5,555.61	5,540.86	76.37	20.67	80.94	-404.65	4,732.95	2,518.10	2,422.26	95.83	26.275		
7,000.00	5,813.15	5,632.86	5,617.97	77.67	21.17	82.94	-409.93	4,730.15	2,509.68	2,411.78	97.90	25.636		
7,100.00	5,892.14	5,715.21	5,700.30	78.97	21.46	84.13	-411.34	4,728.66	2,501.60	2,401.90	99.70	25.091		
7,200.00	5,971.13	5,793.31	5,778.37	80.27	21.69	85.06	-412.82	4,727.58	2,495.54	2,394.13	101.41	24.610		
7,300.00	6,050.12	5,872.52	5,857.56	81.57	22.02	86.41	-414.65	4,726.34	2,490.99	2,387.82	103.18	24.143		
7,400.00	6,129.11	5,951.71	5,936.73	82.86	22.32	87.63	-415.67	4,725.02	2,487.41	2,382.54	104.87	23.719		
7,500.00	6,208.09	6,030.91	6,015.92	84.16	22.55	88.60	-416.56	4,723.95	2,485.53	2,379.07	106.46	23.347		
7,538.17	6,238.24	6,110.00	6,095.00	84.66	22.64	88.98	-417.06	4,723.64	2,485.43	2,378.37	107.06	23.216		
7,600.00	6,287.08	6,157.20	6,142.19	85.46	22.81	89.66	-417.92	4,723.25	2,485.80	2,377.77	108.03	23.011		
7,700.00	6,366.07	6,236.85	6,221.83	86.76	23.14	91.03	-418.98	4,723.03	2,487.36	2,377.73	109.63	22.688		
7,800.00	6,445.06	6,315.84	6,300.82	88.06	23.45	92.29	-419.18	4,722.84	2,489.82	2,378.66	111.16	22.399		
7,900.00	6,524.05	6,394.83	6,379.81	89.36	23.62	93.01	-419.38	4,722.51	2,493.94	2,381.45	112.49	22.170		
8,000.00	6,603.03	6,473.82	6,458.79	90.66	23.83	93.93	-418.65	4,726.11	2,500.07	2,386.24	113.83	21.963		
8,100.00	6,682.02	6,552.81	6,537.78	91.96	24.11	95.00	-412.41	4,745.84	2,507.38	2,392.10	115.28	21.751		
8,133.44	6,708.44	6,608.70	6,593.67	92.40	24.21	95.35	-408.80	4,755.85	2,509.73	2,393.96	115.77	21.678		
8,150.00	6,721.39	6,617.40	6,598.18	92.62	24.23	94.22	-407.90	4,758.41	2,510.87	2,394.89	115.98	21.649		
8,200.00	6,758.90	6,643.67	6,622.95	93.34	24.28	91.39	-405.14	4,766.70	2,513.31	2,396.66	116.65	21.546		
8,250.00	6,793.76	6,677.00	6,653.91	94.13	24.36	89.38	-401.51	4,778.49	2,514.29	2,396.88	117.42	21.413		
8,300.00	6,825.72	6,677.00	6,653.91	95.00	24.36	87.63	-401.51	4,778.49	2,513.91	2,395.84	118.08	21.290		
8,350.00	6,854.52	6,711.43	6,685.23	95.93	24.43	86.75	-397.71	4,792.24	2,512.04	2,393.08	118.96	21.116		
8,400.00	6,879.97	6,731.05	6,702.74	96.92	24.47	86.13	-395.56	4,800.84	2,508.99	2,389.17	119.81	20.941		
8,450.00	6,901.84	6,770.00	6,736.66	97.95	24.55	86.15	-391.34	4,819.51	2,504.87	2,384.04	120.83	20.731		
8,500.00	6,920.00	6,770.00	6,736.66	99.02	24.55	85.97	-391.34	4,819.51	2,499.27	2,377.66	121.61	20.551		
8,550.00	6,934.28	6,840.53	6,795.94	100.12	24.68	87.16	-382.85	4,856.74	2,492.36	2,369.44	122.92	20.276		
8,600.00	6,944.59	6,864.32	6,815.42	101.22	24.73	87.96	-379.57	4,870.01	2,483.91	2,360.00	123.91	20.047		
8,650.00	6,950.84	6,865.00	6,815.98	102.33	24.73	88.63	-379.48	4,870.37	2,474.80	2,350.09	124.71	19.844		
8,701.16	6,953.00	6,896.15	6,840.87	103.44	24.79	90.09	-375.28	4,888.62	2,464.37	2,338.61	125.76	19.596		
8,800.00	6,953.00	6,918.42	6,858.08	105.59	24.83	90.50	-372.56	4,902.49	2,445.69	2,318.27	127.42	19.194		
8,900.00	6,953.00	6,959.00	6,888.11	107.79	24.91	91.22	-368.22	4,929.42	2,430.26	2,301.05	129.21	18.809		
9,000.00	6,953.00	6,959.00	6,888.11	110.02	24.91	91.22	-368.22	4,929.42	2,417.94	2,287.44	130.50	18.528		
9,100.00	6,953.00	7,019.91	6,929.20	112.26	25.06	92.20	-362.68	4,973.99	2,408.48	2,276.02	132.47	18.181		
9,200.00	6,953.00	7,053.00	6,949.19	114.52	25.14	92.68	-360.00	5,000.21	2,401.81	2,267.77	134.04	17.918		
9,300.00	6,953.00	7,098.41	6,974.10	116.80	25.30	93.28	-357.14	5,038.06	2,397.89	2,262.07	135.82	17.655		
9,359.33	6,953.00	7,119.84	6,984.92	118.17	25.39	93.54	-356.25	5,056.54	2,396.98	2,260.23	136.76	17.527		
9,400.00	6,953.00	7,147.00	6,997.71	119.10	25.51	93.84	-355.56	5,080.48	2,397.01	2,259.39	137.62	17.418		

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-20-01
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-20-01	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	6,953.00	7,189.29	7,015.75	121.42	25.78	94.28	-355.12	5,118.72	2,398.58	2,259.23	139.35	17.213		
9,600.00	6,953.00	7,275.46	7,045.47	123.75	26.44	94.98	-355.66	5,199.55	2,401.91	2,259.79	142.13	16.900		
9,700.00	6,953.00	7,431.70	7,069.91	126.10	28.07	95.56	-357.18	5,353.38	2,404.13	2,257.07	147.06	16.348		
9,800.00	6,953.00	7,533.15	7,070.10	128.46	29.42	95.56	-358.50	5,454.82	2,405.23	2,254.32	150.91	15.938		
9,900.00	6,953.00	7,620.47	7,068.92	130.84	30.72	95.53	-360.01	5,542.11	2,406.61	2,252.11	154.50	15.577		
10,000.00	6,953.00	7,735.57	7,068.69	133.23	32.63	95.52	-361.86	5,657.20	2,407.99	2,248.85	159.14	15.131		
10,100.00	6,953.00	7,858.01	7,069.36	135.63	34.85	95.54	-362.59	5,779.63	2,408.41	2,244.20	164.21	14.667		
10,200.00	6,953.00	7,959.45	7,069.29	138.04	36.82	95.53	-362.76	5,881.07	2,408.36	2,239.66	168.70	14.276		
10,204.45	6,953.00	7,963.75	7,069.22	138.15	36.90	95.53	-362.78	5,885.37	2,408.36	2,239.47	168.90	14.259		
10,300.00	6,953.00	8,044.89	7,067.12	140.46	38.55	95.48	-363.34	5,966.48	2,408.59	2,235.86	172.74	13.944		
10,400.00	6,953.00	8,120.75	7,065.02	142.90	40.14	95.43	-364.49	6,042.30	2,409.65	2,233.17	176.48	13.654		
10,500.00	6,953.00	8,235.03	7,062.87	145.34	42.61	95.37	-367.12	6,156.53	2,411.64	2,229.92	181.71	13.272		
10,600.00	6,953.00	8,369.81	7,061.03	147.80	45.61	95.33	-367.63	6,291.29	2,411.58	2,223.79	187.79	12.842		
10,700.00	6,953.00	8,467.74	7,061.36	150.26	47.86	95.34	-367.48	6,389.22	2,411.25	2,218.70	192.55	12.523		
10,800.00	6,953.00	8,574.27	7,061.77	152.73	50.34	95.35	-366.98	6,495.75	2,410.61	2,212.93	197.68	12.195		
10,865.63	6,953.00	8,625.09	7,062.11	154.36	51.55	95.36	-366.90	6,546.56	2,410.41	2,210.07	200.33	12.032		
10,900.00	6,953.00	8,652.37	7,062.47	155.21	52.19	95.37	-366.97	6,573.84	2,410.46	2,208.71	201.75	11.948		
11,000.00	6,953.00	8,743.00	7,062.29	157.70	54.37	95.36	-367.61	6,664.47	2,410.93	2,204.59	206.34	11.684		
11,100.00	6,953.00	8,807.52	7,061.71	160.20	55.93	95.35	-368.70	6,728.97	2,412.34	2,202.44	209.90	11.493		
11,200.00	6,953.00	8,878.99	7,062.17	162.70	57.68	95.35	-370.86	6,800.41	2,415.16	2,201.43	213.72	11.300		
11,300.00	6,953.00	8,960.87	7,063.03	165.21	59.69	95.37	-374.05	6,882.22	2,418.92	2,200.93	217.98	11.097		
11,400.00	6,953.00	9,091.94	7,065.63	167.73	62.95	95.42	-378.72	7,013.17	2,422.47	2,198.12	224.35	10.798		
11,500.00	6,953.00	9,252.19	7,070.49	170.25	66.97	95.53	-380.25	7,173.33	2,423.18	2,191.30	231.89	10.450		
11,600.00	6,953.00	9,352.07	7,070.79	172.78	69.50	95.54	-380.75	7,273.20	2,423.50	2,186.51	236.99	10.226		
11,700.00	6,953.00	9,466.90	7,073.07	175.31	72.42	95.59	-380.94	7,388.00	2,423.67	2,180.98	242.70	9.986		
11,800.00	6,953.00	9,630.03	7,076.34	177.85	76.58	95.67	-378.31	7,551.08	2,422.04	2,171.79	250.26	9.678		
11,900.00	6,953.00	9,741.48	7,078.28	180.40	79.44	95.73	-374.70	7,662.45	2,418.77	2,162.94	255.82	9.455		
12,000.00	6,953.00	9,835.81	7,079.30	182.95	81.87	95.76	-371.68	7,756.72	2,415.47	2,154.71	260.77	9.263		
12,100.00	6,953.00	9,914.23	7,078.74	185.50	83.89	95.75	-369.65	7,835.12	2,412.66	2,147.53	265.13	9.100		
12,200.00	6,953.00	9,974.00	7,078.45	188.06	85.44	95.75	-368.82	7,894.88	2,411.11	2,142.37	268.74	8.972		
12,300.00	6,953.00	10,068.00	7,079.25	190.63	87.88	95.77	-368.43	7,988.87	2,410.58	2,136.89	273.69	8.808		
12,307.93	6,953.00	10,068.00	7,079.25	190.83	87.88	95.77	-368.43	7,988.87	2,410.57	2,136.78	273.78	8.805		
12,400.00	6,953.00	10,142.62	7,079.84	193.20	89.83	95.78	-368.79	8,063.49	2,410.89	2,133.03	277.86	8.677		
12,500.00	6,953.00	10,256.88	7,080.45	195.77	92.81	95.79	-369.64	8,177.74	2,411.49	2,127.83	283.66	8.501		
12,600.00	6,953.00	10,357.27	7,082.14	198.35	95.44	95.83	-369.81	8,278.11	2,411.63	2,122.73	288.89	8.348		
12,700.00	6,953.00	10,485.86	7,084.08	200.93	98.82	95.88	-369.33	8,406.68	2,411.21	2,115.94	295.27	8.166		
12,800.00	6,953.00	10,598.36	7,084.41	203.51	101.77	95.89	-367.80	8,519.17	2,409.65	2,108.65	301.00	8.006		
12,900.00	6,953.00	10,717.71	7,083.04	206.10	104.91	95.87	-366.04	8,638.49	2,407.90	2,100.89	307.01	7.843		
13,000.00	6,953.00	10,825.46	7,082.71	208.69	107.75	95.87	-363.46	8,746.21	2,405.27	2,092.72	312.55	7.696		
13,100.00	6,953.00	10,903.14	7,083.10	211.29	109.80	95.88	-361.82	8,823.87	2,403.01	2,086.07	316.95	7.582		
13,200.00	6,953.00	10,997.15	7,084.10	213.88	112.28	95.91	-360.44	8,917.87	2,401.44	2,079.48	321.96	7.459		
13,300.00	6,953.00	11,116.86	7,083.19	216.48	115.45	95.89	-358.53	9,037.56	2,399.58	2,071.58	328.00	7.316		
13,400.00	6,953.00	11,206.00	7,082.12	219.09	117.81	95.87	-357.05	9,126.68	2,397.59	2,064.72	332.87	7.203		
13,500.00	6,953.00	11,285.00	7,082.32	221.69	119.91	95.88	-356.12	9,205.67	2,396.20	2,058.89	337.31	7.104		
13,600.00	6,953.00	11,377.21	7,082.57	224.30	122.36	95.88	-355.52	9,297.88	2,395.37	2,053.09	342.28	6.998		
13,700.00	6,953.00	11,498.02	7,082.59	226.92	125.57	95.89	-354.49	9,418.68	2,394.33	2,045.94	348.40	6.872		
13,800.00	6,953.00	11,598.92	7,082.90	229.53	128.25	95.90	-353.06	9,519.57	2,392.75	2,039.03	353.72	6.765		
13,854.68	6,953.00	11,615.00	7,082.91	230.96	128.68	95.90	-352.84	9,535.64	2,392.18	2,037.13	355.05	6.738 CC		
13,900.00	6,953.00	11,615.00	7,082.91	232.15	128.68	95.90	-352.84	9,535.64	2,392.61	2,037.12	355.49	6.730 ES, SF		
14,000.00	6,953.00	11,615.00	7,082.91	234.77	128.68	95.90	-352.84	9,535.64	2,396.59	2,040.55	356.05	6.731		
14,100.00	6,953.00	11,615.00	7,082.91	237.39	128.68	95.90	-352.84	9,535.64	2,404.73	2,048.72	356.00	6.755		
14,200.00	6,953.00	11,615.00	7,082.91	240.01	128.68	95.90	-352.84	9,535.64	2,416.98	2,061.60	355.38	6.801		

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-20-01
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-20-01	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	6,953.00	11,615.00	7,082.91	242.64	128.68	95.90	-352.84	9,535.64	2,433.28	2,079.09	354.19	6.870		
14,400.00	6,953.00	11,615.00	7,082.91	245.27	128.68	95.90	-352.84	9,535.64	2,453.55	2,101.08	352.48	6.961		
14,500.00	6,953.00	11,615.00	7,082.91	247.90	128.68	95.90	-352.84	9,535.64	2,477.70	2,127.44	350.26	7.074		
14,600.00	6,953.00	11,615.00	7,082.91	250.53	128.68	95.90	-352.84	9,535.64	2,505.60	2,158.01	347.59	7.209		
14,700.00	6,953.00	11,615.00	7,082.91	253.16	128.68	95.90	-352.84	9,535.64	2,537.15	2,192.64	344.50	7.365		
14,800.00	6,953.00	11,615.00	7,082.91	255.80	128.68	95.90	-352.84	9,535.64	2,572.19	2,231.15	341.05	7.542		
14,900.00	6,953.00	11,615.00	7,082.91	258.43	128.68	95.90	-352.84	9,535.64	2,610.60	2,273.33	337.27	7.740		
15,000.00	6,953.00	11,615.00	7,082.91	261.07	128.68	95.90	-352.84	9,535.64	2,652.23	2,319.00	333.22	7.959		
15,100.00	6,953.00	11,615.00	7,082.91	263.71	128.68	95.90	-352.84	9,535.64	2,696.92	2,367.98	328.94	8.199		
15,200.00	6,953.00	11,615.00	7,082.91	266.36	128.68	95.90	-352.84	9,535.64	2,744.53	2,420.05	324.48	8.458		
15,300.00	6,953.00	11,615.00	7,082.91	269.00	128.68	95.90	-352.84	9,535.64	2,794.91	2,475.04	319.87	8.738		
15,400.00	6,953.00	11,615.00	7,082.91	271.65	128.68	95.90	-352.84	9,535.64	2,847.91	2,532.76	315.15	9.037		
15,500.00	6,953.00	11,615.00	7,082.91	274.29	128.68	95.90	-352.84	9,535.64	2,903.38	2,593.03	310.36	9.355		
15,600.00	6,953.00	11,615.00	7,082.91	276.94	128.68	95.90	-352.84	9,535.64	2,961.20	2,655.68	305.52	9.692		
15,700.00	6,953.00	11,615.00	7,082.91	279.59	128.68	95.90	-352.84	9,535.64	3,021.22	2,720.55	300.67	10.048		
15,800.00	6,953.00	11,615.00	7,082.91	282.24	128.68	95.90	-352.84	9,535.64	3,083.32	2,787.50	295.82	10.423		
15,900.00	6,953.00	11,615.00	7,082.91	284.90	128.68	95.90	-352.84	9,535.64	3,147.36	2,856.36	291.00	10.816		
16,000.00	6,953.00	11,615.00	7,082.91	287.55	128.68	95.90	-352.84	9,535.64	3,213.25	2,927.02	286.22	11.226		
16,100.00	6,953.00	11,615.00	7,082.91	290.20	128.68	95.90	-352.84	9,535.64	3,280.86	2,999.35	281.51	11.655		
16,200.00	6,953.00	11,615.00	7,082.91	292.86	128.68	95.90	-352.84	9,535.64	3,350.09	3,073.22	276.87	12.100		
16,300.00	6,953.00	11,615.00	7,082.91	295.52	128.68	95.90	-352.84	9,535.64	3,420.84	3,148.54	272.30	12.563		
16,400.00	6,953.00	11,615.00	7,082.91	298.18	128.68	95.90	-352.84	9,535.64	3,493.03	3,225.19	267.83	13.042		
16,500.00	6,953.00	11,615.00	7,082.91	300.84	128.68	95.90	-352.84	9,535.64	3,566.55	3,303.10	263.46	13.538		
16,600.00	6,953.00	11,615.00	7,082.91	303.50	128.68	95.90	-352.84	9,535.64	3,641.34	3,382.16	259.18	14.049		
16,700.00	6,953.00	11,615.00	7,082.91	306.16	128.68	95.90	-352.84	9,535.64	3,717.31	3,462.31	255.01	14.577		
16,800.00	6,953.00	11,615.00	7,082.91	308.82	128.68	95.90	-352.84	9,535.64	3,794.40	3,543.46	250.94	15.121		
16,900.00	6,953.00	11,615.00	7,082.91	311.49	128.68	95.90	-352.84	9,535.64	3,872.54	3,625.55	246.99	15.679		
17,000.00	6,953.00	11,615.00	7,082.91	314.15	128.68	95.90	-352.84	9,535.64	3,951.66	3,708.52	243.14	16.253		
17,100.00	6,953.00	11,615.00	7,082.91	316.82	128.68	95.90	-352.84	9,535.64	4,031.71	3,792.31	239.40	16.841		
17,200.00	6,953.00	11,615.00	7,082.91	319.48	128.68	95.90	-352.84	9,535.64	4,112.63	3,876.87	235.76	17.444		
17,300.00	6,953.00	11,615.00	7,082.91	322.15	128.68	95.90	-352.84	9,535.64	4,194.38	3,962.14	232.24	18.061		
17,400.00	6,953.00	11,615.00	7,082.91	324.82	128.68	95.90	-352.84	9,535.64	4,276.90	4,048.09	228.81	18.692		
17,500.00	6,953.00	11,615.00	7,082.91	327.49	128.68	95.90	-352.84	9,535.64	4,360.15	4,134.66	225.49	19.336		
17,600.00	6,953.00	11,615.00	7,082.91	330.16	128.68	95.90	-352.84	9,535.64	4,444.10	4,221.82	222.28	19.994		
17,700.00	6,953.00	11,615.00	7,082.91	332.83	128.68	95.90	-352.84	9,535.64	4,528.70	4,309.54	219.15	20.664		
17,800.00	6,953.00	11,615.00	7,082.91	335.50	128.68	95.90	-352.84	9,535.64	4,613.91	4,397.78	216.13	21.348		
17,900.00	6,953.00	11,615.00	7,082.91	338.17	128.68	95.90	-352.84	9,535.64	4,699.70	4,486.51	213.20	22.044		
18,000.00	6,953.00	11,615.00	7,082.91	340.85	128.68	95.90	-352.84	9,535.64	4,786.05	4,575.70	210.36	22.752		
18,100.00	6,953.00	11,615.00	7,082.91	343.52	128.68	95.90	-352.84	9,535.64	4,872.92	4,665.32	207.60	23.472		
18,200.00	6,953.00	11,615.00	7,082.91	346.19	128.68	95.90	-352.84	9,535.64	4,960.28	4,755.35	204.93	24.204		
18,300.00	6,953.00	11,615.00	7,082.91	348.87	128.68	95.90	-352.84	9,535.64	5,048.12	4,845.77	202.35	24.948		
18,400.00	6,953.00	11,615.00	7,082.91	351.55	128.68	95.90	-352.84	9,535.64	5,136.39	4,936.55	199.84	25.702		
18,500.00	6,953.00	11,615.00	7,082.91	354.22	128.68	95.90	-352.84	9,535.64	5,225.09	5,027.68	197.41	26.468		
18,600.00	6,953.00	11,615.00	7,082.91	356.90	128.68	95.90	-352.84	9,535.64	5,314.20	5,119.14	195.06	27.244		
18,700.00	6,953.00	11,615.00	7,082.91	359.58	128.68	95.90	-352.84	9,535.64	5,403.68	5,210.90	192.78	28.030		
18,800.00	6,953.00	11,615.00	7,082.91	362.26	128.68	95.90	-352.84	9,535.64	5,493.52	5,302.96	190.57	28.827		
18,900.00	6,953.00	11,615.00	7,082.91	364.94	128.68	95.90	-352.84	9,535.64	5,583.71	5,395.29	188.42	29.634		
19,000.00	6,953.00	11,615.00	7,082.91	367.62	128.68	95.90	-352.84	9,535.64	5,674.23	5,487.89	186.34	30.450		
19,073.74	6,953.00	11,615.00	7,082.91	369.59	128.68	95.90	-352.84	9,535.64	5,741.19	5,556.34	184.85	31.058		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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	92.26	-195.93	4,962.90	4,966.82	4,966.55	0.27	N/A				
200.00	199.98	58.45	58.45	0.63	0.09	28.84	-195.86	4,963.01	4,965.38	4,964.66	0.72	6,904.606				
300.00	299.84	135.32	135.31	0.99	0.24	28.90	-195.54	4,963.50	4,961.41	4,960.19	1.22	4,060.130				
400.00	399.45	220.27	220.26	1.36	0.54	29.01	-195.96	4,964.32	4,954.76	4,952.87	1.89	2,624.304				
500.00	498.70	304.81	304.77	1.76	0.84	29.18	-198.05	4,965.32	4,945.37	4,942.81	2.56	1,931.662				
600.00	597.47	432.60	432.30	2.18	1.30	29.51	-205.81	4,966.61	4,933.01	4,929.60	3.41	1,448.487				
700.00	695.62	544.18	543.36	2.63	1.73	29.92	-216.59	4,966.95	4,917.12	4,912.90	4.22	1,164.087				
800.00	793.06	710.65	708.16	3.11	2.41	30.62	-239.97	4,965.70	4,897.63	4,892.32	5.31	922.087				
900.00	889.64	962.00	954.23	3.64	3.57	31.89	-290.03	4,957.81	4,874.02	4,867.12	6.90	706.538				
1,000.00	985.27	1,041.81	1,031.42	4.22	3.99	32.60	-309.75	4,953.25	4,845.13	4,837.38	7.75	625.063				
1,100.00	1,079.82	1,097.00	1,084.47	4.84	4.29	33.25	-324.78	4,950.77	4,814.75	4,806.24	8.51	565.852				
1,200.00	1,173.17	1,097.00	1,084.47	5.52	4.29	33.63	-324.78	4,950.77	4,782.61	4,773.61	8.99	531.741				
1,300.00	1,265.21	1,143.99	1,129.57	6.26	4.55	34.31	-337.90	4,949.37	4,749.09	4,739.32	9.77	486.075				
1,400.00	1,355.84	1,191.00	1,174.74	7.06	4.81	35.04	-350.87	4,948.54	4,714.11	4,703.53	10.58	445.665				
1,500.00	1,444.94	1,317.51	1,296.77	7.92	5.52	36.36	-384.12	4,946.15	4,676.86	4,665.00	11.86	394.353				
1,600.00	1,532.39	1,442.62	1,417.56	8.84	6.21	37.79	-416.50	4,942.33	4,636.48	4,623.31	13.17	351.980				
1,700.00	1,618.11	1,576.26	1,546.59	9.83	6.96	39.41	-450.79	4,936.64	4,593.13	4,578.55	14.58	315.063				
1,800.00	1,701.97	1,626.11	1,594.69	10.89	7.24	40.47	-463.73	4,934.43	4,547.90	4,532.33	15.57	292.092				
1,900.00	1,783.88	1,688.25	1,654.76	12.02	7.59	41.70	-479.43	4,931.93	4,501.16	4,484.48	16.68	269.860				
1,991.28	1,856.86	1,755.44	1,719.66	13.11	7.96	42.99	-496.59	4,929.19	4,457.05	4,439.25	17.80	250.418				
2,000.00	1,863.75	1,753.00	1,717.31	13.21	7.95	42.97	-495.96	4,929.29	4,452.78	4,434.92	17.86	249.318				
2,100.00	1,942.74	1,810.28	1,772.64	14.45	8.27	43.51	-510.60	4,927.04	4,404.27	4,385.23	19.03	231.387				
2,200.00	2,021.72	1,865.74	1,826.27	15.69	8.58	44.04	-524.57	4,925.11	4,356.71	4,336.48	20.23	215.361				
2,300.00	2,100.71	1,930.49	1,888.90	16.95	8.94	44.66	-540.88	4,922.94	4,309.98	4,288.47	21.51	200.391				
2,400.00	2,179.70	2,074.96	2,028.75	18.21	9.75	46.08	-576.62	4,916.93	4,263.38	4,240.11	23.27	183.229				
2,500.00	2,258.69	2,167.54	2,118.28	19.47	10.27	47.01	-599.63	4,911.90	4,216.76	4,191.99	24.77	170.235				
2,600.00	2,337.68	2,223.00	2,171.76	20.74	10.58	47.58	-613.95	4,908.52	4,170.74	4,144.65	26.09	159.830				
2,700.00	2,416.66	2,274.85	2,221.67	22.02	10.88	48.12	-627.66	4,905.45	4,125.79	4,098.36	27.43	150.400				
2,800.00	2,495.65	2,317.00	2,262.22	23.29	11.13	48.57	-638.93	4,903.23	4,082.20	4,053.46	28.74	142.059				
2,900.00	2,574.64	2,372.41	2,315.43	24.57	11.46	49.17	-654.13	4,900.45	4,039.82	4,009.66	30.15	133.970				
3,000.00	2,653.63	2,426.50	2,367.21	25.85	11.78	49.76	-669.52	4,897.66	3,998.55	3,966.95	31.59	126.558				
3,100.00	2,732.62	2,472.78	2,411.40	27.14	12.07	50.27	-683.08	4,895.34	3,958.57	3,925.56	33.01	119.904				
3,200.00	2,811.61	2,563.24	2,497.86	28.42	12.61	51.29	-709.32	4,891.09	3,919.87	3,885.13	34.74	112.819				
3,300.00	2,890.59	2,643.37	2,575.36	29.71	13.06	52.16	-729.37	4,887.64	3,881.46	3,845.06	36.40	106.639				
3,400.00	2,969.58	2,698.65	2,629.00	31.00	13.37	52.76	-742.60	4,885.64	3,844.28	3,806.38	37.91	101.415				
3,500.00	3,048.57	2,788.74	2,716.35	32.29	13.87	53.75	-764.36	4,882.16	3,808.05	3,768.40	39.65	96.039				
3,600.00	3,127.56	2,853.11	2,778.65	33.58	14.23	54.48	-780.33	4,879.32	3,772.74	3,731.47	41.27	91.416				
3,700.00	3,206.55	2,925.94	2,849.14	34.87	14.63	55.30	-798.35	4,876.15	3,738.58	3,695.62	42.96	87.035				
3,800.00	3,285.53	3,002.34	2,923.57	36.16	15.04	56.15	-815.33	4,873.47	3,705.34	3,660.68	44.66	82.959				
3,900.00	3,364.52	3,063.25	2,982.97	37.45	15.36	56.84	-828.67	4,871.48	3,673.28	3,626.99	46.29	79.355				
4,000.00	3,443.51	3,128.78	3,046.83	38.74	15.70	57.58	-843.21	4,869.38	3,642.50	3,594.54	47.96	75.946				
4,100.00	3,522.50	3,193.27	3,109.70	40.04	16.05	58.31	-857.45	4,867.41	3,612.95	3,563.30	49.64	72.776				
4,200.00	3,601.49	3,253.15	3,167.98	41.33	16.36	59.00	-871.06	4,865.50	3,584.76	3,533.44	51.32	69.855				
4,300.00	3,680.47	3,331.18	3,243.82	42.63	16.79	59.92	-889.22	4,862.80	3,557.86	3,504.74	53.13	66.969				
4,400.00	3,759.46	3,403.38	3,313.95	43.92	17.18	60.77	-906.14	4,859.99	3,532.07	3,477.15	54.92	64.314				
4,500.00	3,838.45	3,455.00	3,363.96	45.22	17.47	61.40	-918.72	4,857.68	3,507.67	3,451.08	56.59	61.986				
4,600.00	3,917.44	3,512.61	3,419.55	46.51	17.80	62.10	-933.56	4,854.81	3,484.91	3,426.58	58.32	59.751				
4,700.00	3,996.43	3,550.00	3,455.47	47.81	18.02	62.57	-943.76	4,852.79	3,464.03	3,404.12	59.91	57.817				
4,800.00	4,075.42	3,607.10	3,510.02	49.10	18.37	63.30	-960.27	4,849.38	3,445.00	3,383.32	61.68	55.854				
4,900.00	4,154.40	3,645.00	3,546.01	50.40	18.61	63.79	-971.88	4,846.84	3,427.95	3,364.67	63.28	54.168				
5,000.00	4,233.39	3,692.36	3,590.78	51.70	18.92	64.42	-986.98	4,843.53	3,412.95	3,347.97	64.98	52.525				
5,100.00	4,312.38	3,741.00	3,636.55	52.99	19.24	65.07	-1,003.07	4,840.12	3,400.13	3,333.45	66.67	50.997				

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-20-01
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-20-01	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	4,391.37	3,784.85	3,677.67	54.29	19.54	65.66	-1,017.96	4,836.96	3,389.37	3,321.05	68.32	49.610		
5,300.00	4,470.36	3,843.95	3,732.93	55.59	19.95	66.46	-1,038.42	4,832.39	3,380.54	3,310.44	70.10	48.225		
5,400.00	4,549.34	4,034.76	3,915.26	56.89	21.12	68.91	-1,093.60	4,824.41	3,372.96	3,300.01	72.96	46.232		
5,500.00	4,628.33	4,173.92	4,050.73	58.18	21.86	70.61	-1,125.26	4,821.41	3,364.68	3,289.47	75.21	44.735		
5,600.00	4,707.32	4,284.79	4,158.84	59.48	22.44	71.99	-1,149.26	4,816.65	3,356.00	3,278.75	77.26	43.440		
5,700.00	4,786.31	4,334.55	4,207.19	60.78	22.71	72.62	-1,160.71	4,813.80	3,349.11	3,270.25	78.86	42.471		
5,800.00	4,865.30	4,385.56	4,256.66	62.08	22.99	73.26	-1,172.77	4,810.88	3,344.17	3,263.72	80.45	41.569		
5,900.00	4,944.28	4,405.00	4,275.51	63.38	23.09	73.51	-1,177.44	4,809.78	3,341.40	3,259.63	81.77	40.865		
5,968.50	4,998.39	4,439.73	4,309.12	64.27	23.29	73.95	-1,186.01	4,808.01	3,340.72	3,257.90	82.82	40.336 CC		
6,000.00	5,023.27	4,448.15	4,317.25	64.68	23.34	74.06	-1,188.15	4,807.64	3,340.84	3,257.60	83.24	40.135		
6,100.00	5,102.26	4,501.00	4,368.20	65.97	23.64	74.73	-1,202.07	4,805.81	3,343.10	3,258.33	84.77	39.439		
6,200.00	5,181.25	4,503.58	4,370.68	67.27	23.66	74.77	-1,202.77	4,805.74	3,347.29	3,261.48	85.81	39.006		
6,300.00	5,260.24	4,598.82	4,462.29	68.57	24.22	75.98	-1,228.62	4,802.54	3,353.47	3,265.80	87.66	38.254		
6,400.00	5,339.23	4,675.80	4,536.37	69.87	24.67	76.96	-1,249.34	4,799.44	3,360.91	3,271.59	89.32	37.629		
6,500.00	5,418.21	4,765.49	4,622.64	71.17	25.20	78.11	-1,273.44	4,795.04	3,369.67	3,278.61	91.06	37.003		
6,600.00	5,497.20	4,952.48	4,803.42	72.47	26.26	80.49	-1,319.71	4,783.68	3,378.06	3,284.47	93.60	36.091		
6,700.00	5,576.19	5,067.04	4,915.17	73.77	26.85	81.91	-1,344.26	4,778.01	3,386.73	3,291.30	95.43	35.488		
6,800.00	5,655.18	5,138.71	4,985.05	75.07	27.23	82.80	-1,359.58	4,773.74	3,396.70	3,299.79	96.91	35.049		
6,900.00	5,734.17	5,189.53	5,034.51	76.37	27.50	83.43	-1,370.72	4,770.23	3,408.29	3,310.10	98.20	34.709		
7,000.00	5,813.15	5,228.86	5,072.74	77.67	27.71	83.93	-1,379.62	4,767.65	3,421.96	3,322.61	99.35	34.443		
7,100.00	5,892.14	5,274.54	5,117.07	78.97	27.96	84.49	-1,390.26	4,764.87	3,437.70	3,337.18	100.52	34.200		
7,200.00	5,971.13	5,404.78	5,243.62	80.27	28.66	86.10	-1,419.91	4,756.87	3,454.78	3,352.43	102.35	33.754		
7,300.00	6,050.12	5,580.51	5,415.87	81.57	29.53	88.20	-1,453.40	4,747.85	3,470.60	3,366.16	104.44	33.230		
7,400.00	6,129.11	5,894.32	5,726.44	82.86	30.84	91.71	-1,496.61	4,740.73	3,486.96	3,379.81	107.15	32.541		
7,500.00	6,208.09	6,085.63	5,917.27	84.16	31.48	93.73	-1,509.86	4,739.08	3,498.33	3,389.42	108.91	32.121		
7,600.00	6,287.08	6,222.60	6,054.08	85.46	31.90	95.16	-1,516.02	4,736.96	3,509.03	3,398.66	110.37	31.794		
7,700.00	6,366.07	6,334.01	6,165.42	86.76	32.22	96.30	-1,519.46	4,736.01	3,520.10	3,408.41	111.69	31.516		
7,800.00	6,445.06	6,436.22	6,267.62	88.06	32.50	97.33	-1,521.53	4,735.61	3,531.57	3,418.61	112.96	31.263		
7,900.00	6,524.05	6,523.59	6,354.97	89.36	32.74	98.21	-1,522.98	4,734.99	3,543.76	3,429.60	114.16	31.042		
8,000.00	6,603.03	6,587.00	6,418.37	90.66	32.91	98.84	-1,523.88	4,734.73	3,556.92	3,441.65	115.27	30.857		
8,100.00	6,682.02	6,641.60	6,472.96	91.96	33.05	99.37	-1,524.61	4,735.90	3,571.56	3,455.25	116.32	30.706		
8,133.44	6,708.44	6,656.93	6,488.26	92.40	33.09	99.51	-1,524.83	4,736.68	3,576.85	3,460.20	116.65	30.662		
8,150.00	6,721.39	6,682.00	6,513.27	92.62	33.15	98.40	-1,525.18	4,738.40	3,579.52	3,462.63	116.89	30.624		
8,200.00	6,758.90	6,682.00	6,513.27	93.34	33.15	94.92	-1,525.18	4,738.40	3,586.44	3,469.09	117.36	30.560		
8,250.00	6,793.76	6,719.39	6,550.45	94.13	33.23	92.54	-1,525.58	4,742.25	3,592.08	3,474.07	118.01	30.438		
8,300.00	6,825.72	6,749.87	6,580.61	95.00	33.30	90.69	-1,525.67	4,746.71	3,596.35	3,477.63	118.71	30.295		
8,350.00	6,854.52	6,777.00	6,607.27	95.93	33.36	89.31	-1,525.59	4,751.68	3,599.24	3,479.79	119.46	30.130		
8,400.00	6,879.97	6,777.00	6,607.27	96.92	33.36	88.02	-1,525.59	4,751.68	3,600.95	3,480.83	120.12	29.978		
8,450.00	6,901.84	6,808.25	6,637.80	97.95	33.42	87.47	-1,525.48	4,758.38	3,601.30	3,480.34	120.96	29.773		
8,500.00	6,920.00	6,821.51	6,650.68	99.02	33.44	87.02	-1,525.49	4,761.48	3,600.56	3,478.81	121.75	29.574		
8,550.00	6,934.28	6,833.62	6,662.43	100.12	33.47	86.85	-1,525.51	4,764.47	3,598.70	3,476.15	122.55	29.366		
8,600.00	6,944.59	6,844.47	6,672.91	101.22	33.49	86.92	-1,525.56	4,767.25	3,595.74	3,472.39	123.35	29.151		
8,650.00	6,950.84	6,872.00	6,699.39	102.33	33.54	87.49	-1,525.76	4,774.78	3,591.85	3,467.60	124.24	28.910		
8,701.16	6,953.00	6,872.00	6,699.39	103.44	33.54	87.90	-1,525.76	4,774.78	3,586.68	3,461.69	124.99	28.696		
8,800.00	6,953.00	6,872.00	6,699.39	105.59	33.54	87.90	-1,525.76	4,774.78	3,577.14	3,450.75	126.40	28.301		
8,900.00	6,953.00	6,893.86	6,720.25	107.79	33.58	88.24	-1,526.00	4,781.29	3,570.14	3,442.22	127.92	27.909		
9,000.00	6,953.00	6,913.36	6,738.71	110.02	33.62	88.53	-1,526.26	4,787.56	3,565.77	3,436.37	129.40	27.556		
9,100.00	6,953.00	6,935.79	6,759.77	112.26	33.66	88.87	-1,526.62	4,795.30	3,564.01	3,433.13	130.87	27.232		
9,118.43	6,953.00	6,940.30	6,763.97	112.68	33.67	88.94	-1,526.70	4,796.92	3,563.96	3,432.82	131.15	27.175		
9,200.00	6,953.00	6,967.00	6,788.70	114.52	33.72	89.34	-1,527.23	4,806.98	3,564.81	3,432.43	132.38	26.928		
9,300.00	6,953.00	7,031.57	6,846.71	116.80	33.83	90.27	-1,528.44	4,835.24	3,567.93	3,433.79	134.14	26.599		
9,400.00	6,953.00	7,126.18	6,925.63	119.10	33.96	91.54	-1,529.78	4,887.21	3,572.64	3,436.42	136.22	26.227		

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-20-01
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-20-01	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	6,953.00	7,263.89	7,020.78	121.42	34.12	93.06	-1,531.67	4,986.04	3,578.20	3,439.21	138.99	25.744		
9,600.00	6,953.00	7,288.02	7,034.51	123.75	34.14	93.28	-1,532.37	5,005.86	3,584.82	3,444.21	140.61	25.495		
9,700.00	6,953.00	7,347.00	7,064.82	126.10	34.20	93.76	-1,535.27	5,056.35	3,593.55	3,450.86	142.69	25.184		
9,800.00	6,953.00	7,374.21	7,077.27	128.46	34.24	93.96	-1,537.11	5,080.48	3,603.76	3,459.41	144.34	24.967		
9,900.00	6,953.00	7,737.00	7,139.76	130.84	35.20	94.93	-1,558.73	5,432.37	3,610.33	3,457.07	153.26	23.558		
10,000.00	6,953.00	7,907.87	7,140.97	133.23	36.47	94.94	-1,564.46	5,603.13	3,613.60	3,454.64	158.97	22.732		
10,100.00	6,953.00	8,023.00	7,141.83	135.63	37.78	94.95	-1,566.60	5,718.23	3,615.29	3,451.76	163.53	22.108		
10,200.00	6,953.00	8,076.98	7,141.87	138.04	38.53	94.95	-1,567.89	5,772.20	3,617.52	3,450.92	166.60	21.714		
10,300.00	6,953.00	8,131.19	7,141.72	140.46	39.36	94.94	-1,570.01	5,826.36	3,621.14	3,451.46	169.68	21.341		
10,400.00	6,953.00	8,213.00	7,143.10	142.90	40.72	94.96	-1,573.78	5,908.07	3,625.65	3,452.05	173.60	20.885		
10,500.00	6,953.00	8,341.13	7,149.48	145.34	43.07	95.05	-1,579.14	6,035.93	3,630.07	3,451.07	179.00	20.280		
10,600.00	6,953.00	8,473.07	7,154.67	147.80	45.67	95.13	-1,583.53	6,167.68	3,633.52	3,448.91	184.61	19.682		
10,700.00	6,953.00	8,581.67	7,155.99	150.26	47.93	95.15	-1,586.78	6,276.22	3,636.40	3,446.79	189.61	19.178		
10,800.00	6,953.00	8,717.14	7,155.63	152.73	50.85	95.13	-1,590.35	6,411.64	3,638.81	3,443.28	195.53	18.610		
10,900.00	6,953.00	8,859.29	7,156.07	155.21	54.02	95.14	-1,592.30	6,553.78	3,639.97	3,438.26	201.71	18.045		
11,000.00	6,953.00	9,003.05	7,155.05	157.70	57.31	95.12	-1,592.65	6,697.54	3,639.89	3,431.90	208.00	17.500		
11,100.00	6,953.00	9,114.59	7,154.55	160.20	59.90	95.12	-1,592.27	6,809.07	3,639.32	3,425.99	213.32	17.060		
11,200.00	6,953.00	9,256.33	7,155.16	162.70	63.25	95.13	-1,590.54	6,950.80	3,637.94	3,418.33	219.61	16.566		
11,300.00	6,953.00	9,504.33	7,159.61	165.21	69.19	95.21	-1,580.21	7,198.52	3,633.49	3,404.48	229.01	15.866		
11,400.00	6,953.00	9,636.14	7,161.22	167.73	72.38	95.25	-1,571.76	7,330.05	3,627.01	3,392.04	234.97	15.436		
11,500.00	6,953.00	9,747.75	7,160.91	170.25	75.10	95.26	-1,564.02	7,441.38	3,619.86	3,379.49	240.37	15.060		
11,600.00	6,953.00	9,845.10	7,161.31	172.78	77.49	95.28	-1,557.18	7,538.49	3,612.69	3,367.30	245.39	14.723		
11,700.00	6,953.00	9,922.00	7,162.29	175.31	79.38	95.30	-1,551.50	7,615.18	3,605.37	3,355.54	249.83	14.431		
11,800.00	6,953.00	9,979.17	7,163.16	177.85	80.81	95.32	-1,547.79	7,672.22	3,599.08	3,345.37	253.71	14.186		
11,900.00	6,953.00	10,023.90	7,163.78	180.40	81.92	95.33	-1,545.80	7,716.90	3,594.51	3,337.33	257.18	13.976		
12,000.00	6,953.00	10,112.00	7,164.24	182.95	84.14	95.34	-1,542.57	7,804.94	3,590.71	3,328.74	261.97	13.707		
12,100.00	6,953.00	10,194.28	7,163.66	185.50	86.23	95.34	-1,539.99	7,887.17	3,587.33	3,320.74	266.59	13.456		
12,200.00	6,953.00	10,283.88	7,162.13	188.06	88.51	95.32	-1,537.76	7,976.74	3,584.48	3,313.03	271.45	13.205		
12,300.00	6,953.00	10,423.21	7,160.56	190.63	92.07	95.30	-1,533.68	8,115.99	3,581.28	3,303.40	277.87	12.888		
12,400.00	6,953.00	10,562.00	7,160.85	193.20	95.62	95.31	-1,527.89	8,254.65	3,576.95	3,292.71	284.24	12.584		
12,500.00	6,953.00	10,690.47	7,161.95	195.77	98.92	95.34	-1,521.14	8,382.92	3,571.58	3,281.30	290.28	12.304		
12,600.00	6,953.00	10,807.09	7,162.84	198.35	101.91	95.37	-1,514.27	8,499.36	3,565.56	3,269.60	295.96	12.047		
12,700.00	6,953.00	10,921.29	7,163.24	200.93	104.85	95.38	-1,507.24	8,613.34	3,559.28	3,257.70	301.58	11.802		
12,800.00	6,953.00	11,004.86	7,163.08	203.51	107.00	95.39	-1,501.83	8,696.74	3,552.66	3,246.33	306.33	11.598		
12,900.00	6,953.00	11,063.00	7,162.98	206.10	108.51	95.39	-1,498.75	8,754.79	3,547.13	3,236.80	310.32	11.430		
13,000.00	6,953.00	11,182.66	7,162.83	208.69	111.61	95.40	-1,492.72	8,874.30	3,541.89	3,225.75	316.14	11.203		
13,100.00	6,953.00	11,336.31	7,162.89	211.29	115.60	95.42	-1,483.71	9,027.68	3,535.98	3,213.06	322.92	10.950		
13,200.00	6,953.00	11,419.40	7,163.08	213.88	117.76	95.43	-1,478.09	9,110.58	3,529.08	3,201.39	327.68	10.770		
13,300.00	6,953.00	11,536.92	7,163.00	216.48	120.82	95.44	-1,470.46	9,227.85	3,522.43	3,189.00	333.42	10.564		
13,400.00	6,953.00	11,680.67	7,163.60	219.09	124.56	95.47	-1,459.45	9,371.18	3,514.59	3,174.73	339.86	10.341		
13,500.00	6,953.00	11,789.41	7,164.01	221.69	127.39	95.49	-1,450.35	9,479.54	3,506.08	3,160.74	345.33	10.153		
13,600.00	6,953.00	11,854.00	7,164.54	224.30	129.07	95.50	-1,444.86	9,543.89	3,497.67	3,148.04	349.62	10.004		
13,700.00	6,953.00	11,854.00	7,164.54	226.92	129.07	95.50	-1,444.86	9,543.89	3,491.51	3,139.50	352.01	9.919		
13,800.00	6,953.00	11,854.00	7,164.54	229.53	129.07	95.50	-1,444.86	9,543.89	3,488.21	3,134.08	354.13	9.850		
13,865.22	6,953.00	11,854.00	7,164.54	231.24	129.07	95.50	-1,444.86	9,543.89	3,487.60	3,132.23	355.36	9.814		
13,900.00	6,953.00	11,854.00	7,164.54	232.15	129.07	95.50	-1,444.86	9,543.89	3,487.77	3,131.80	355.97	9.798 ES		
14,000.00	6,953.00	11,854.00	7,164.54	234.77	129.07	95.50	-1,444.86	9,543.89	3,490.20	3,132.66	357.54	9.762		
14,100.00	6,953.00	11,854.00	7,164.54	237.39	129.07	95.50	-1,444.86	9,543.89	3,495.49	3,136.66	358.83	9.741		
14,200.00	6,953.00	11,854.00	7,164.54	240.01	129.07	95.50	-1,444.86	9,543.89	3,503.63	3,143.80	359.83	9.737 SF		
14,300.00	6,953.00	11,854.00	7,164.54	242.64	129.07	95.50	-1,444.86	9,543.89	3,514.59	3,154.04	360.55	9.748		
14,400.00	6,953.00	11,854.00	7,164.54	245.27	129.07	95.50	-1,444.86	9,543.89	3,528.36	3,167.36	361.00	9.774		
14,500.00	6,953.00	11,854.00	7,164.54	247.90	129.07	95.50	-1,444.86	9,543.89	3,544.90	3,183.72	361.17	9.815		

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-20-01
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-20-01	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		
14,600.00	6,953.00	11,854.00	7,164.54	250.53	129.07	95.50	-1,444.86	9,543.89	3,564.16	3,203.08	361.08	9.871		
14,700.00	6,953.00	11,854.00	7,164.54	253.16	129.07	95.50	-1,444.86	9,543.89	3,586.11	3,225.38	360.74	9.941		
14,800.00	6,953.00	11,854.00	7,164.54	255.80	129.07	95.50	-1,444.86	9,543.89	3,610.70	3,250.56	360.14	10.026		
14,900.00	6,953.00	11,854.00	7,164.54	258.43	129.07	95.50	-1,444.86	9,543.89	3,637.87	3,278.55	359.32	10.124		
15,000.00	6,953.00	11,854.00	7,164.54	261.07	129.07	95.50	-1,444.86	9,543.89	3,667.57	3,309.30	358.27	10.237		
15,100.00	6,953.00	11,854.00	7,164.54	263.71	129.07	95.50	-1,444.86	9,543.89	3,699.73	3,342.72	357.01	10.363		
15,200.00	6,953.00	11,854.00	7,164.54	266.36	129.07	95.50	-1,444.86	9,543.89	3,734.30	3,378.74	355.56	10.503		
15,300.00	6,953.00	11,854.00	7,164.54	269.00	129.07	95.50	-1,444.86	9,543.89	3,771.20	3,417.27	353.93	10.655		
15,400.00	6,953.00	11,854.00	7,164.54	271.65	129.07	95.50	-1,444.86	9,543.89	3,810.37	3,458.24	352.13	10.821		
15,500.00	6,953.00	11,854.00	7,164.54	274.29	129.07	95.50	-1,444.86	9,543.89	3,851.73	3,501.55	350.18	10.999		
15,600.00	6,953.00	11,854.00	7,164.54	276.94	129.07	95.50	-1,444.86	9,543.89	3,895.23	3,547.14	348.09	11.190		
15,700.00	6,953.00	11,854.00	7,164.54	279.59	129.07	95.50	-1,444.86	9,543.89	3,940.78	3,594.90	345.88	11.393		
15,800.00	6,953.00	11,854.00	7,164.54	282.24	129.07	95.50	-1,444.86	9,543.89	3,988.32	3,644.76	343.56	11.609		
15,900.00	6,953.00	11,854.00	7,164.54	284.90	129.07	95.50	-1,444.86	9,543.89	4,037.78	3,696.64	341.14	11.836		
16,000.00	6,953.00	11,854.00	7,164.54	287.55	129.07	95.50	-1,444.86	9,543.89	4,089.09	3,750.44	338.64	12.075		
16,100.00	6,953.00	11,854.00	7,164.54	290.20	129.07	95.50	-1,444.86	9,543.89	4,142.17	3,806.10	336.07	12.325		
16,200.00	6,953.00	11,854.00	7,164.54	292.86	129.07	95.50	-1,444.86	9,543.89	4,196.97	3,863.53	333.44	12.587		
16,300.00	6,953.00	11,854.00	7,164.54	295.52	129.07	95.50	-1,444.86	9,543.89	4,253.41	3,922.66	330.75	12.860		
16,400.00	6,953.00	11,854.00	7,164.54	298.18	129.07	95.50	-1,444.86	9,543.89	4,311.43	3,983.41	328.03	13.144		
16,500.00	6,953.00	11,854.00	7,164.54	300.84	129.07	95.50	-1,444.86	9,543.89	4,370.97	4,045.70	325.27	13.438		
16,600.00	6,953.00	11,854.00	7,164.54	303.50	129.07	95.50	-1,444.86	9,543.89	4,431.97	4,109.48	322.49	13.743		
16,700.00	6,953.00	11,854.00	7,164.54	306.16	129.07	95.50	-1,444.86	9,543.89	4,494.37	4,174.67	319.70	14.058		
16,800.00	6,953.00	11,854.00	7,164.54	308.82	129.07	95.50	-1,444.86	9,543.89	4,558.10	4,241.21	316.90	14.384		
16,900.00	6,953.00	11,854.00	7,164.54	311.49	129.07	95.50	-1,444.86	9,543.89	4,623.12	4,309.03	314.09	14.719		
17,000.00	6,953.00	11,854.00	7,164.54	314.15	129.07	95.50	-1,444.86	9,543.89	4,689.37	4,378.08	311.29	15.064		
17,100.00	6,953.00	11,854.00	7,164.54	316.82	129.07	95.50	-1,444.86	9,543.89	4,756.80	4,448.30	308.51	15.419		
17,200.00	6,953.00	11,854.00	7,164.54	319.48	129.07	95.50	-1,444.86	9,543.89	4,825.36	4,519.63	305.73	15.783		
17,300.00	6,953.00	11,854.00	7,164.54	322.15	129.07	95.50	-1,444.86	9,543.89	4,895.00	4,592.03	302.98	16.156		
17,400.00	6,953.00	11,854.00	7,164.54	324.82	129.07	95.50	-1,444.86	9,543.89	4,965.68	4,665.44	300.24	16.539		
17,500.00	6,953.00	11,854.00	7,164.54	327.49	129.07	95.50	-1,444.86	9,543.89	5,037.36	4,739.82	297.53	16.930		
17,600.00	6,953.00	11,854.00	7,164.54	330.16	129.07	95.50	-1,444.86	9,543.89	5,109.98	4,815.13	294.85	17.331		
17,700.00	6,953.00	11,854.00	7,164.54	332.83	129.07	95.50	-1,444.86	9,543.89	5,183.52	4,891.32	292.21	17.739		
17,800.00	6,953.00	11,854.00	7,164.54	335.50	129.07	95.50	-1,444.86	9,543.89	5,257.93	4,968.34	289.59	18.156		
17,900.00	6,953.00	11,854.00	7,164.54	338.17	129.07	95.50	-1,444.86	9,543.89	5,333.18	5,046.17	287.01	18.582		
18,000.00	6,953.00	11,854.00	7,164.54	340.85	129.07	95.50	-1,444.86	9,543.89	5,409.23	5,124.76	284.46	19.015		
18,100.00	6,953.00	11,854.00	7,164.54	343.52	129.07	95.50	-1,444.86	9,543.89	5,486.05	5,204.09	281.96	19.457		
18,200.00	6,953.00	11,854.00	7,164.54	346.19	129.07	95.50	-1,444.86	9,543.89	5,563.60	5,284.11	279.49	19.906		
18,300.00	6,953.00	11,854.00	7,164.54	348.87	129.07	95.50	-1,444.86	9,543.89	5,641.86	5,364.80	277.06	20.363		
18,400.00	6,953.00	11,854.00	7,164.54	351.55	129.07	95.50	-1,444.86	9,543.89	5,720.80	5,446.13	274.67	20.828		
18,500.00	6,953.00	11,854.00	7,164.54	354.22	129.07	95.50	-1,444.86	9,543.89	5,800.39	5,528.07	272.33	21.300		
18,600.00	6,953.00	11,854.00	7,164.54	356.90	129.07	95.50	-1,444.86	9,543.89	5,880.60	5,610.59	270.02	21.779		
18,700.00	6,953.00	11,854.00	7,164.54	359.58	129.07	95.50	-1,444.86	9,543.89	5,961.41	5,693.66	267.75	22.265		
18,800.00	6,953.00	11,854.00	7,164.54	362.26	129.07	95.50	-1,444.86	9,543.89	6,042.80	5,777.27	265.53	22.758		
18,900.00	6,953.00	11,854.00	7,164.54	364.94	129.07	95.50	-1,444.86	9,543.89	6,124.73	5,861.39	263.34	23.258		
19,000.00	6,953.00	11,854.00	7,164.54	367.62	129.07	95.50	-1,444.86	9,543.89	6,207.20	5,946.00	261.20	23.764		
19,073.74	6,953.00	11,854.00	7,164.54	369.59	129.07	95.50	-1,444.86	9,543.89	6,268.34	6,008.69	259.65	24.142		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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	92.03	-175.90	4,963.21	4,966.38	4,966.11	0.27	N/A		
200.00	199.98	95.19	95.19	0.63	0.15	28.62	-175.96	4,963.03	4,964.65	4,963.87	0.78	6,372.286		
300.00	299.84	234.99	234.98	0.99	0.59	28.72	-177.08	4,961.95	4,959.33	4,957.74	1.58	3,130.251		
400.00	399.45	346.26	346.16	1.36	1.00	28.91	-181.09	4,960.34	4,950.37	4,948.01	2.36	2,101.957		
500.00	498.70	448.17	447.73	1.76	1.38	29.19	-189.03	4,958.51	4,938.21	4,935.10	3.11	1,587.907		
600.00	597.47	527.50	526.60	2.18	1.69	29.51	-197.49	4,957.19	4,923.32	4,919.52	3.80	1,296.356		
700.00	695.62	664.20	661.96	2.63	2.25	30.07	-216.19	4,954.08	4,904.98	4,900.23	4.75	1,031.898		
800.00	793.06	765.39	761.63	3.11	2.70	30.63	-233.47	4,951.35	4,883.65	4,878.05	5.60	871.628		
900.00	889.64	898.62	891.90	3.64	3.33	31.44	-260.94	4,946.75	4,859.03	4,852.38	6.65	730.142		
1,000.00	985.27	992.74	983.62	4.22	3.80	32.17	-281.73	4,943.04	4,831.45	4,823.89	7.56	639.075		
1,100.00	1,079.82	1,084.47	1,073.02	4.84	4.27	32.96	-301.96	4,939.16	4,801.03	4,792.55	8.48	566.196		
1,200.00	1,173.17	1,135.04	1,122.37	5.52	4.52	33.59	-312.79	4,937.29	4,768.57	4,759.36	9.22	517.406		
1,300.00	1,265.21	1,204.73	1,190.53	6.26	4.87	34.38	-327.15	4,935.23	4,734.23	4,724.16	10.07	470.029		
1,400.00	1,355.84	1,333.39	1,316.52	7.06	5.50	35.56	-352.96	4,931.14	4,697.40	4,686.16	11.25	417.623		
1,500.00	1,444.84	1,386.01	1,367.97	7.92	5.76	36.39	-363.77	4,929.19	4,657.88	4,645.80	12.08	385.458		
1,600.00	1,532.39	1,440.00	1,420.93	8.84	6.03	37.28	-374.19	4,927.78	4,616.86	4,603.90	12.96	356.136		
1,700.00	1,618.11	1,518.57	1,498.06	9.83	6.41	38.39	-389.03	4,926.00	4,574.01	4,560.02	14.00	326.768		
1,800.00	1,701.97	1,605.69	1,583.50	10.89	6.83	39.67	-405.91	4,923.65	4,528.88	4,513.75	15.12	299.473		
1,900.00	1,783.88	1,682.02	1,658.29	12.02	7.21	40.97	-421.02	4,921.43	4,481.75	4,465.50	16.25	275.815		
1,991.28	1,856.86	1,786.42	1,760.35	13.11	7.74	42.55	-442.67	4,917.67	4,436.79	4,419.29	17.51	253.454		
2,000.00	1,863.75	1,792.45	1,766.24	13.21	7.77	42.61	-443.94	4,917.43	4,432.42	4,414.80	17.61	251.692		
2,100.00	1,942.74	1,869.78	1,841.69	14.45	8.17	43.31	-460.49	4,914.01	4,382.30	4,363.45	18.85	232.518		
2,200.00	2,021.72	1,914.00	1,884.90	15.69	8.39	43.71	-469.76	4,912.29	4,333.15	4,313.21	19.95	217.228		
2,300.00	2,100.71	2,002.73	1,971.61	16.95	8.84	44.53	-488.24	4,908.92	4,284.70	4,263.40	21.30	201.139		
2,400.00	2,179.70	2,061.09	2,028.61	18.21	9.14	45.09	-500.59	4,906.59	4,236.83	4,214.29	22.54	188.005		
2,500.00	2,258.69	2,120.90	2,086.95	19.47	9.45	45.66	-513.55	4,904.32	4,189.86	4,166.05	23.81	175.988		
2,600.00	2,337.68	2,193.00	2,157.19	20.74	9.83	46.37	-529.59	4,901.50	4,143.65	4,118.48	25.18	164.572		
2,700.00	2,416.66	2,272.65	2,234.79	22.02	10.25	47.16	-547.27	4,898.27	4,098.11	4,071.49	26.62	153.967		
2,800.00	2,495.65	2,362.93	2,322.77	23.29	10.72	48.07	-567.08	4,894.31	4,053.09	4,024.94	28.15	144.001		
2,900.00	2,574.64	2,452.46	2,409.56	24.57	11.21	49.01	-588.52	4,889.35	4,008.51	3,978.79	29.72	134.876		
3,000.00	2,653.63	2,541.33	2,495.70	25.85	11.69	49.97	-609.65	4,883.97	3,964.46	3,933.15	31.32	126.594		
3,100.00	2,732.62	2,623.27	2,575.73	27.14	12.11	50.83	-626.63	4,879.34	3,920.95	3,888.08	32.87	119.270		
3,200.00	2,811.61	2,683.00	2,634.25	28.42	12.41	51.45	-638.14	4,876.16	3,878.23	3,843.90	34.33	112.980		
3,300.00	2,890.59	2,729.07	2,679.43	29.71	12.64	51.93	-646.86	4,873.96	3,836.70	3,800.98	35.73	107.390		
3,400.00	2,969.58	2,778.00	2,727.42	31.00	12.88	52.45	-656.27	4,872.07	3,796.66	3,759.49	37.16	102.159		
3,500.00	3,048.57	2,891.18	2,838.39	32.29	13.44	53.67	-678.00	4,867.18	3,757.32	3,718.35	38.96	96.430		
3,600.00	3,127.56	2,959.97	2,905.86	33.58	13.78	54.42	-690.95	4,863.84	3,718.46	3,677.91	40.55	91.689		
3,700.00	3,206.55	3,026.03	2,970.69	34.87	14.10	55.14	-703.24	4,860.73	3,680.63	3,638.47	42.15	87.317		
3,800.00	3,285.53	3,093.08	3,036.51	36.16	14.42	55.88	-715.67	4,857.67	3,643.88	3,600.10	43.78	83.241		
3,900.00	3,364.52	3,163.45	3,105.68	37.45	14.76	56.67	-728.24	4,854.71	3,608.20	3,562.76	45.43	79.421		
4,000.00	3,443.51	3,247.89	3,188.88	38.74	15.15	57.60	-742.28	4,851.47	3,573.41	3,526.25	47.17	75.763		
4,100.00	3,522.50	3,300.16	3,240.47	40.04	15.39	58.18	-750.56	4,849.69	3,539.71	3,490.96	48.75	72.610		
4,200.00	3,601.49	3,351.76	3,291.37	41.33	15.63	58.76	-758.85	4,848.23	3,507.51	3,457.16	50.35	69.668		
4,300.00	3,680.47	3,424.29	3,362.98	42.63	15.95	59.57	-770.23	4,846.56	3,476.58	3,424.52	52.06	66.782		
4,400.00	3,759.46	3,483.38	3,421.35	43.92	16.22	60.23	-779.37	4,845.36	3,446.85	3,393.13	53.72	64.162		
4,500.00	3,838.45	3,538.00	3,475.16	45.22	16.47	60.86	-788.63	4,844.10	3,418.64	3,363.26	55.38	61.732		
4,600.00	3,917.44	3,584.65	3,520.98	46.51	16.71	61.41	-797.33	4,842.88	3,392.07	3,335.05	57.02	59.487		
4,700.00	3,996.43	3,633.00	3,568.28	47.81	16.94	62.00	-807.25	4,841.43	3,367.27	3,308.58	58.69	57.377		
4,800.00	4,075.42	3,668.55	3,602.94	49.10	17.13	62.43	-815.09	4,840.36	3,344.40	3,284.12	60.29	55.476		
4,900.00	4,154.40	3,705.21	3,638.58	50.40	17.33	62.89	-823.58	4,839.38	3,323.62	3,261.73	61.89	53.703		
5,000.00	4,233.39	3,850.79	3,779.59	51.70	18.13	64.75	-859.22	4,833.24	3,304.18	3,239.88	64.30	51.383		
5,100.00	4,312.38	3,928.33	3,854.97	52.99	18.54	65.75	-876.98	4,829.46	3,285.10	3,218.88	66.22	49.607		

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-20-01
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-20-01	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	4,391.37	4,010.71	3,935.40	54.29	18.97	66.79	-894.42	4,825.88	3,267.03	3,198.88	68.15	47.937		
5,300.00	4,470.36	4,064.86	3,988.22	55.59	19.26	67.48	-906.04	4,823.40	3,250.57	3,180.67	69.89	46.507		
5,400.00	4,549.34	4,108.00	4,030.12	56.89	19.49	68.05	-916.13	4,821.22	3,236.26	3,164.71	71.55	45.230		
5,500.00	4,628.33	4,210.10	4,129.24	58.18	20.04	69.39	-940.02	4,815.87	3,223.51	3,149.86	73.65	43.770		
5,600.00	4,707.32	4,258.47	4,176.21	59.48	20.30	70.02	-951.25	4,813.26	3,212.22	3,136.89	75.33	42.643		
5,700.00	4,786.31	4,298.00	4,214.52	60.78	20.52	70.55	-960.75	4,811.03	3,202.96	3,126.04	76.92	41.639		
5,800.00	4,865.30	4,340.02	4,255.19	62.08	20.75	71.11	-971.10	4,808.89	3,195.95	3,117.44	78.51	40.707		
5,900.00	4,944.28	4,393.00	4,306.42	63.38	21.05	71.81	-984.45	4,806.96	3,191.45	3,111.28	80.16	39.811		
6,000.00	5,023.27	4,501.98	4,411.91	64.68	21.66	73.25	-1,011.47	4,802.78	3,188.67	3,106.41	82.26	38.763		
6,100.00	5,102.26	4,541.45	4,450.12	65.97	21.88	73.78	-1,021.23	4,801.03	3,186.97	3,103.21	83.76	38.050		
6,132.01	5,127.54	4,557.50	4,465.64	66.39	21.97	73.99	-1,025.23	4,800.32	3,186.86	3,102.61	84.26	37.822		
6,200.00	5,181.25	4,628.58	4,534.32	67.27	22.37	74.95	-1,043.23	4,796.81	3,187.28	3,101.64	85.64	37.218		
6,300.00	5,260.24	4,835.47	4,734.98	68.57	23.49	77.73	-1,091.15	4,781.82	3,186.84	3,098.39	88.45	36.030		
6,400.00	5,339.23	4,967.02	4,864.10	69.87	24.14	79.43	-1,115.26	4,774.82	3,186.53	3,096.00	90.53	35.198		
6,410.95	5,347.87	4,948.62	4,846.02	70.01	24.05	79.19	-1,112.00	4,775.75	3,186.50	3,095.97	90.53	35.197 CC		
6,500.00	5,418.21	5,018.45	4,914.69	71.17	24.38	80.09	-1,124.20	4,772.17	3,187.31	3,095.28	92.03	34.634		
6,600.00	5,497.20	5,071.10	4,966.35	72.47	24.64	80.77	-1,133.85	4,769.17	3,190.05	3,096.55	93.50	34.117		
6,700.00	5,576.19	5,124.09	5,018.37	73.77	24.90	81.45	-1,143.62	4,766.60	3,194.78	3,099.84	94.94	33.650		
6,800.00	5,655.18	5,181.63	5,074.90	75.07	25.18	82.18	-1,154.17	4,764.47	3,201.43	3,105.05	96.38	33.217		
6,900.00	5,734.17	5,246.00	5,138.05	76.37	25.49	83.00	-1,166.35	4,761.83	3,209.87	3,112.04	97.83	32.811		
7,000.00	5,813.15	5,328.89	5,219.39	77.67	25.90	84.06	-1,181.94	4,758.43	3,219.82	3,120.43	99.39	32.396		
7,100.00	5,892.14	5,401.42	5,290.67	78.97	26.24	84.97	-1,195.10	4,755.87	3,231.05	3,130.21	100.83	32.044		
7,200.00	5,971.13	5,473.64	5,361.66	80.27	26.59	85.87	-1,208.12	4,753.50	3,243.77	3,141.53	102.24	31.727		
7,300.00	6,050.12	5,571.41	5,457.77	81.57	27.05	87.09	-1,225.68	4,749.88	3,257.86	3,154.06	103.80	31.385		
7,400.00	6,129.11	5,702.38	5,587.12	82.86	27.64	88.67	-1,245.94	4,746.44	3,271.77	3,166.21	105.56	30.995		
7,500.00	6,208.09	5,854.15	5,737.36	84.16	28.30	90.50	-1,266.78	4,741.23	3,285.74	3,178.36	107.38	30.600		
7,600.00	6,287.08	6,193.46	6,075.42	85.46	29.51	94.37	-1,292.47	4,733.66	3,296.34	3,186.40	109.94	29.984		
7,700.00	6,366.07	6,330.61	6,212.55	86.76	29.87	95.84	-1,294.08	4,733.69	3,304.56	3,193.20	111.36	29.674		
7,800.00	6,445.06	6,385.00	6,266.85	88.06	30.00	96.37	-1,293.91	4,736.71	3,314.49	3,201.98	112.51	29.458		
7,900.00	6,524.05	6,462.39	6,343.69	89.36	30.16	97.06	-1,292.64	4,745.59	3,325.79	3,212.09	113.71	29.249		
8,000.00	6,603.03	6,515.49	6,395.92	90.66	30.27	97.48	-1,290.93	4,754.98	3,338.14	3,223.34	114.81	29.076		
8,100.00	6,682.02	6,574.00	6,452.92	91.96	30.37	97.90	-1,289.20	4,768.05	3,352.26	3,236.34	115.91	28.920		
8,133.44	6,708.44	6,574.00	6,452.92	92.40	30.37	97.90	-1,289.20	4,768.05	3,357.29	3,241.10	116.20	28.893		
8,150.00	6,721.39	6,574.00	6,452.92	92.62	30.37	96.57	-1,289.20	4,768.05	3,359.81	3,243.47	116.34	28.880		
8,200.00	6,758.90	6,602.31	6,480.26	93.34	30.42	93.34	-1,288.49	4,775.36	3,366.40	3,249.48	116.93	28.791		
8,250.00	6,793.76	6,621.21	6,498.41	94.13	30.46	90.79	-1,288.10	4,780.60	3,371.66	3,254.13	117.54	28.686		
8,300.00	6,825.72	6,639.55	6,515.95	95.00	30.49	88.82	-1,287.78	4,785.95	3,375.56	3,257.36	118.20	28.557		
8,350.00	6,854.52	6,668.00	6,543.00	95.93	30.54	87.47	-1,287.41	4,794.78	3,378.12	3,259.15	118.98	28.393		
8,400.00	6,879.97	6,668.00	6,543.00	96.92	30.54	86.23	-1,287.41	4,794.78	3,379.28	3,259.64	119.64	28.246		
8,450.00	6,901.84	6,696.07	6,569.38	97.95	30.59	85.69	-1,287.08	4,804.35	3,379.07	3,258.57	120.50	28.042		
8,500.00	6,920.00	6,716.07	6,587.92	99.02	30.62	85.38	-1,286.80	4,811.84	3,377.54	3,256.19	121.35	27.833		
8,550.00	6,934.28	6,735.59	6,605.79	100.12	30.65	85.38	-1,286.49	4,819.69	3,374.72	3,252.49	122.22	27.611		
8,600.00	6,944.59	6,755.00	6,623.33	101.22	30.69	85.66	-1,286.16	4,828.00	3,370.65	3,247.54	123.11	27.379		
8,650.00	6,950.84	6,755.00	6,623.33	102.33	30.69	85.93	-1,286.16	4,828.00	3,365.47	3,241.61	123.86	27.171		
8,701.16	6,953.00	6,755.00	6,623.33	103.44	30.69	86.44	-1,286.16	4,828.00	3,359.15	3,234.53	124.62	26.956		
8,800.00	6,953.00	6,788.56	6,652.31	105.59	30.72	86.94	-1,285.57	4,844.87	3,346.93	3,220.62	126.31	26.498		
8,900.00	6,953.00	6,811.03	6,670.27	107.79	30.75	87.25	-1,285.22	4,858.34	3,337.29	3,209.37	127.92	26.088		
9,000.00	6,953.00	6,850.00	6,698.18	110.02	30.79	87.73	-1,284.68	4,885.48	3,330.17	3,200.47	129.70	25.676		
9,100.00	6,953.00	6,850.00	6,698.18	112.26	30.79	87.73	-1,284.68	4,885.48	3,325.46	3,194.42	131.04	25.377		
9,200.00	6,953.00	6,890.10	6,723.05	114.52	30.82	88.16	-1,284.65	4,916.92	3,322.99	3,190.15	132.84	25.015		
9,248.10	6,953.00	6,902.54	6,730.13	115.62	30.82	88.28	-1,284.84	4,927.14	3,322.71	3,189.09	133.62	24.867		
9,300.00	6,953.00	6,945.00	6,751.90	116.80	30.86	88.65	-1,286.15	4,963.55	3,323.40	3,188.55	134.86	24.644		

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-20-01
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-20-01	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		
9,400.00	6,953.00	7,227.46	6,854.03	119.10	31.02	90.41	-1,283.10	5,225.72	3,322.18	3,181.27	140.91	23.577		
9,500.00	6,953.00	7,391.13	6,876.27	121.42	31.40	90.80	-1,274.64	5,387.57	3,316.94	3,171.21	145.73	22.761		
9,600.00	6,953.00	7,476.72	6,877.85	123.75	31.92	90.83	-1,269.40	5,472.95	3,310.66	3,161.45	149.21	22.188		
9,700.00	6,953.00	7,547.00	6,877.11	126.10	32.60	90.82	-1,266.04	5,543.14	3,305.54	3,153.09	152.44	21.684		
9,800.00	6,953.00	7,609.51	6,877.46	128.46	33.38	90.82	-1,263.67	5,605.61	3,301.39	3,145.79	155.60	21.217		
9,900.00	6,953.00	7,678.04	6,879.74	130.84	34.39	90.86	-1,261.39	5,674.05	3,297.94	3,138.97	158.97	20.746		
10,000.00	6,953.00	7,737.00	6,882.17	133.23	35.33	90.91	-1,260.16	5,732.95	3,295.69	3,133.56	162.13	20.328		
10,100.00	6,953.00	7,784.96	6,884.29	135.63	36.18	90.94	-1,259.83	5,780.86	3,294.86	3,129.82	165.03	19.965		
10,104.45	6,953.00	7,787.12	6,884.39	135.73	36.22	90.95	-1,259.83	5,783.03	3,294.85	3,129.69	165.16	19.949		
10,200.00	6,953.00	7,832.00	6,886.43	138.04	37.02	90.98	-1,260.22	5,827.86	3,295.58	3,127.69	167.89	19.629		
10,300.00	6,953.00	7,894.81	6,888.96	140.46	38.22	91.02	-1,261.61	5,890.60	3,297.67	3,126.41	171.26	19.255		
10,400.00	6,953.00	7,988.55	6,891.34	142.90	40.09	91.07	-1,264.63	5,984.26	3,300.71	3,125.07	175.64	18.793		
10,500.00	6,953.00	8,087.23	6,891.68	145.34	42.13	91.07	-1,267.56	6,082.89	3,303.48	3,123.22	180.25	18.327		
10,600.00	6,953.00	8,178.56	6,889.32	147.80	44.09	91.03	-1,270.59	6,174.13	3,306.54	3,121.84	184.70	17.902		
10,700.00	6,953.00	8,266.64	6,885.69	150.26	46.04	90.96	-1,273.76	6,262.09	3,309.86	3,120.77	189.09	17.504		
10,800.00	6,953.00	8,371.39	6,879.53	152.73	48.40	90.86	-1,277.84	6,366.57	3,313.46	3,119.37	194.09	17.071		
10,900.00	6,953.00	8,619.70	6,876.09	155.21	54.16	90.80	-1,280.81	6,614.72	3,314.15	3,110.17	203.98	16.248		
10,964.00	6,953.00	8,648.21	6,876.35	156.80	54.83	90.80	-1,280.71	6,643.23	3,313.80	3,107.82	205.98	16.088		
11,000.00	6,953.00	8,687.00	6,876.27	157.70	55.75	90.80	-1,281.08	6,682.02	3,314.08	3,106.22	207.87	15.943		
11,004.45	6,953.00	8,687.00	6,876.27	157.81	55.75	90.80	-1,281.08	6,682.02	3,314.08	3,106.14	207.94	15.938		
11,100.00	6,953.00	8,743.04	6,876.02	160.20	57.09	90.80	-1,281.95	6,738.05	3,315.09	3,103.71	211.38	15.683		
11,200.00	6,953.00	8,835.29	6,876.09	162.70	59.32	90.80	-1,283.28	6,830.29	3,316.32	3,100.19	216.14	15.344		
11,300.00	6,953.00	9,067.00	6,873.38	165.21	64.98	90.75	-1,281.48	7,061.94	3,314.68	3,089.06	225.62	14.691		
11,400.00	6,953.00	9,181.90	6,873.60	167.73	67.82	90.75	-1,278.50	7,176.80	3,311.87	3,080.67	231.20	14.325		
11,500.00	6,953.00	9,257.43	6,873.60	170.25	69.70	90.76	-1,276.71	7,252.30	3,309.29	3,073.78	235.51	14.052		
11,600.00	6,953.00	9,381.10	6,874.07	172.78	72.80	90.76	-1,273.66	7,375.93	3,306.60	3,065.18	241.41	13.697		
11,700.00	6,953.00	9,511.10	6,873.87	175.31	76.07	90.76	-1,269.87	7,505.88	3,303.55	3,056.02	247.53	13.346		
11,800.00	6,953.00	9,599.68	6,874.00	177.85	78.31	90.76	-1,266.55	7,594.39	3,299.62	3,047.30	252.32	13.077		
11,900.00	6,953.00	9,688.71	6,872.79	180.40	80.57	90.74	-1,263.96	7,683.38	3,296.46	3,039.32	257.14	12.820		
12,000.00	6,953.00	9,782.80	6,871.08	182.95	82.97	90.72	-1,261.17	7,777.41	3,293.27	3,031.14	262.13	12.563		
12,100.00	6,953.00	9,871.14	6,869.94	185.50	85.24	90.70	-1,258.94	7,865.72	3,290.51	3,023.57	266.95	12.326		
12,200.00	6,953.00	9,961.20	6,869.80	188.06	87.55	90.69	-1,256.85	7,955.75	3,287.98	3,016.16	271.83	12.096		
12,300.00	6,953.00	10,036.87	6,869.58	190.63	89.51	90.69	-1,255.45	8,031.41	3,285.94	3,009.72	276.22	11.896		
12,400.00	6,953.00	10,112.00	6,868.57	193.20	91.45	90.67	-1,255.00	8,106.53	3,285.02	3,004.42	280.60	11.707		
12,500.00	6,953.00	10,338.12	6,865.87	195.77	97.32	90.63	-1,249.07	8,332.50	3,282.06	2,992.04	290.02	11.317		
12,600.00	6,953.00	10,397.00	6,863.90	198.35	98.85	90.59	-1,246.94	8,391.31	3,278.11	2,984.17	293.94	11.152		
12,700.00	6,953.00	10,441.75	6,862.28	200.93	100.01	90.56	-1,245.97	8,436.01	3,275.61	2,978.26	297.35	11.016		
12,800.00	6,953.00	10,492.00	6,860.32	203.51	101.33	90.53	-1,245.60	8,486.23	3,274.63	2,973.76	300.87	10.884		
12,900.00	6,953.00	10,587.00	6,857.17	206.10	103.82	90.48	-1,245.75	8,581.18	3,274.55	2,968.58	305.96	10.702		
13,000.00	6,953.00	10,693.39	6,854.12	208.69	106.61	90.42	-1,245.83	8,687.52	3,274.39	2,962.92	311.47	10.513		
13,037.44	6,953.00	10,722.40	6,853.63	209.66	107.38	90.41	-1,245.86	8,716.53	3,274.34	2,961.20	313.14	10.456		
13,100.00	6,953.00	10,777.00	6,854.02	211.29	108.82	90.42	-1,246.11	8,771.12	3,274.48	2,958.32	316.16	10.357		
13,200.00	6,953.00	10,872.00	6,856.92	213.88	111.32	90.47	-1,246.56	8,866.08	3,274.78	2,953.51	321.27	10.193		
13,300.00	6,953.00	10,954.11	6,860.02	216.48	113.49	90.53	-1,247.13	8,948.13	3,275.32	2,949.41	325.91	10.050		
13,400.00	6,953.00	11,042.32	6,862.96	219.09	115.83	90.58	-1,248.32	9,036.28	3,276.49	2,945.71	330.77	9.906		
13,500.00	6,953.00	11,273.74	6,863.91	221.69	121.95	90.59	-1,246.68	9,267.66	3,275.29	2,934.59	340.70	9.613		
13,600.00	6,953.00	11,424.68	6,864.74	224.30	125.93	90.61	-1,241.24	9,418.48	3,271.31	2,923.66	347.65	9.410		
13,700.00	6,953.00	11,520.68	6,867.09	226.92	128.46	90.65	-1,237.38	9,514.38	3,267.11	2,914.28	352.83	9.260		
13,800.00	6,953.00	11,550.00	6,867.95	229.53	129.23	90.67	-1,236.22	9,543.66	3,263.73	2,907.92	355.81	9.173		
13,864.55	6,953.00	11,550.00	6,867.95	231.22	129.23	90.67	-1,236.22	9,543.66	3,263.10	2,906.12	356.98	9.141		
13,900.00	6,953.00	11,550.00	6,867.95	232.15	129.23	90.67	-1,236.22	9,543.66	3,263.29	2,905.72	357.56	9.126 ES		
14,000.00	6,953.00	11,550.00	6,867.95	234.77	129.23	90.67	-1,236.22	9,543.66	3,265.91	2,906.91	358.99	9.097		

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-20-01
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-20-01	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-A - 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					
14,100.00	6,953.00	11,550.00	6,867.95	237.39	129.23	90.67	-1,236.22	9,543.66	3,271.58	2,911.48	360.10	9.085 SF					
14,200.00	6,953.00	11,550.00	6,867.95	240.01	129.23	90.67	-1,236.22	9,543.66	3,280.29	2,919.41	360.88	9.090					
14,300.00	6,953.00	11,550.00	6,867.95	242.64	129.23	90.67	-1,236.22	9,543.66	3,292.02	2,930.68	361.35	9.110					
14,400.00	6,953.00	11,550.00	6,867.95	245.27	129.23	90.67	-1,236.22	9,543.66	3,306.74	2,945.24	361.49	9.147					
14,500.00	6,953.00	11,550.00	6,867.95	247.90	129.23	90.67	-1,236.22	9,543.66	3,324.39	2,963.06	361.33	9.200					
14,600.00	6,953.00	11,550.00	6,867.95	250.53	129.23	90.67	-1,236.22	9,543.66	3,344.95	2,984.07	360.87	9.269					
14,700.00	6,953.00	11,550.00	6,867.95	253.16	129.23	90.67	-1,236.22	9,543.66	3,368.35	3,008.22	360.13	9.353					
14,800.00	6,953.00	11,550.00	6,867.95	255.80	129.23	90.67	-1,236.22	9,543.66	3,394.53	3,035.41	359.12	9.452					
14,900.00	6,953.00	11,550.00	6,867.95	258.43	129.23	90.67	-1,236.22	9,543.66	3,423.44	3,065.59	357.85	9.567					
15,000.00	6,953.00	11,550.00	6,867.95	261.07	129.23	90.67	-1,236.22	9,543.66	3,455.00	3,098.66	356.34	9.696					
15,100.00	6,953.00	11,550.00	6,867.95	263.71	129.23	90.67	-1,236.22	9,543.66	3,489.14	3,134.53	354.61	9.839					
15,200.00	6,953.00	11,550.00	6,867.95	266.36	129.23	90.67	-1,236.22	9,543.66	3,525.79	3,173.12	352.67	9.997					
15,300.00	6,953.00	11,550.00	6,867.95	269.00	129.23	90.67	-1,236.22	9,543.66	3,564.87	3,214.32	350.55	10.169					
15,400.00	6,953.00	11,550.00	6,867.95	271.65	129.23	90.67	-1,236.22	9,543.66	3,606.30	3,258.04	348.26	10.355					
15,500.00	6,953.00	11,550.00	6,867.95	274.29	129.23	90.67	-1,236.22	9,543.66	3,650.00	3,304.18	345.82	10.555					
15,600.00	6,953.00	11,550.00	6,867.95	276.94	129.23	90.67	-1,236.22	9,543.66	3,695.89	3,352.65	343.24	10.768					
15,700.00	6,953.00	11,550.00	6,867.95	279.59	129.23	90.67	-1,236.22	9,543.66	3,743.88	3,403.34	340.55	10.994					
15,800.00	6,953.00	11,550.00	6,867.95	282.24	129.23	90.67	-1,236.22	9,543.66	3,793.91	3,456.16	337.75	11.233					
15,900.00	6,953.00	11,550.00	6,867.95	284.90	129.23	90.67	-1,236.22	9,543.66	3,845.89	3,511.02	334.87	11.485					
16,000.00	6,953.00	11,550.00	6,867.95	287.55	129.23	90.67	-1,236.22	9,543.66	3,899.73	3,567.82	331.92	11.749					
16,100.00	6,953.00	11,550.00	6,867.95	290.20	129.23	90.67	-1,236.22	9,543.66	3,955.38	3,626.47	328.91	12.026					
16,200.00	6,953.00	11,550.00	6,867.95	292.86	129.23	90.67	-1,236.22	9,543.66	4,012.74	3,686.90	325.85	12.315					
16,300.00	6,953.00	11,550.00	6,867.95	295.52	129.23	90.67	-1,236.22	9,543.66	4,071.76	3,749.00	322.76	12.616					
16,400.00	6,953.00	11,550.00	6,867.95	298.18	129.23	90.67	-1,236.22	9,543.66	4,132.35	3,812.71	319.64	12.928					
16,500.00	6,953.00	11,550.00	6,867.95	300.84	129.23	90.67	-1,236.22	9,543.66	4,194.45	3,877.94	316.51	13.252					
16,600.00	6,953.00	11,550.00	6,867.95	303.50	129.23	90.67	-1,236.22	9,543.66	4,257.99	3,944.62	313.37	13.588					
16,700.00	6,953.00	11,550.00	6,867.95	306.16	129.23	90.67	-1,236.22	9,543.66	4,322.91	4,012.67	310.24	13.934					
16,800.00	6,953.00	11,550.00	6,867.95	308.82	129.23	90.67	-1,236.22	9,543.66	4,389.15	4,082.04	307.12	14.292					
16,900.00	6,953.00	11,550.00	6,867.95	311.49	129.23	90.67	-1,236.22	9,543.66	4,456.65	4,152.64	304.01	14.660					
17,000.00	6,953.00	11,550.00	6,867.95	314.15	129.23	90.67	-1,236.22	9,543.66	4,525.35	4,224.43	300.92	15.038					
17,100.00	6,953.00	11,550.00	6,867.95	316.82	129.23	90.67	-1,236.22	9,543.66	4,595.21	4,297.35	297.86	15.427					
17,200.00	6,953.00	11,550.00	6,867.95	319.48	129.23	90.67	-1,236.22	9,543.66	4,666.16	4,371.33	294.83	15.827					
17,300.00	6,953.00	11,550.00	6,867.95	322.15	129.23	90.67	-1,236.22	9,543.66	4,738.15	4,446.32	291.83	16.236					
17,400.00	6,953.00	11,550.00	6,867.95	324.82	129.23	90.67	-1,236.22	9,543.66	4,811.15	4,522.28	288.87	16.655					
17,500.00	6,953.00	11,550.00	6,867.95	327.49	129.23	90.67	-1,236.22	9,543.66	4,885.11	4,599.15	285.95	17.083					
17,600.00	6,953.00	11,550.00	6,867.95	330.16	129.23	90.67	-1,236.22	9,543.66	4,959.98	4,676.90	283.08	17.522					
17,700.00	6,953.00	11,550.00	6,867.95	332.83	129.23	90.67	-1,236.22	9,543.66	5,035.72	4,755.47	280.25	17.969					
17,800.00	6,953.00	11,550.00	6,867.95	335.50	129.23	90.67	-1,236.22	9,543.66	5,112.29	4,834.83	277.46	18.425					
17,900.00	6,953.00	11,550.00	6,867.95	338.17	129.23	90.67	-1,236.22	9,543.66	5,189.67	4,914.95	274.72	18.891					
18,000.00	6,953.00	11,550.00	6,867.95	340.85	129.23	90.67	-1,236.22	9,543.66	5,267.80	4,995.77	272.03	19.365					
18,100.00	6,953.00	11,550.00	6,867.95	343.52	129.23	90.67	-1,236.22	9,543.66	5,346.66	5,077.28	269.39	19.848					
18,200.00	6,953.00	11,550.00	6,867.95	346.19	129.23	90.67	-1,236.22	9,543.66	5,426.22	5,159.43	266.79	20.339					
18,300.00	6,953.00	11,550.00	6,867.95	348.87	129.23	90.67	-1,236.22	9,543.66	5,506.45	5,242.20	264.25	20.838					
18,400.00	6,953.00	11,550.00	6,867.95	351.55	129.23	90.67	-1,236.22	9,543.66	5,587.31	5,325.56	261.75	21.346					
18,500.00	6,953.00	11,550.00	6,867.95	354.22	129.23	90.67	-1,236.22	9,543.66	5,668.79	5,409.48	259.31	21.861					
18,600.00	6,953.00	11,550.00	6,867.95	356.90	129.23	90.67	-1,236.22	9,543.66	5,750.85	5,493.94	256.91	22.385					
18,700.00	6,953.00	11,550.00	6,867.95	359.58	129.23	90.67	-1,236.22	9,543.66	5,833.47	5,578.90	254.56	22.915					
18,800.00	6,953.00	11,550.00	6,867.95	362.26	129.23	90.67	-1,236.22	9,543.66	5,916.62	5,664.36	252.27	23.454					
18,900.00	6,953.00	11,550.00	6,867.95	364.94	129.23	90.67	-1,236.22	9,543.66	6,000.29	5,750.28	250.01	24.000					
19,000.00	6,953.00	11,550.00	6,867.95	367.62	129.23	90.67	-1,236.22	9,543.66	6,084.46	5,836.65	247.81	24.553					
19,073.74	6,953.00	11,550.00	6,867.95	369.59	129.23	90.67	-1,236.22	9,543.66	6,146.83	5,900.61	246.22	24.965					

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-20-01
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-20-01	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	92.49	-215.97	4,963.21	4,967.96	4,967.70	0.27	N/A		
200.00	199.98	45.26	45.26	0.63	0.08	29.07	-216.10	4,963.35	4,966.63	4,965.93	0.70	7,089.662		
300.00	299.84	103.98	103.97	0.99	0.18	29.13	-216.64	4,963.95	4,963.11	4,961.95	1.16	4,285.660		
400.00	399.45	191.06	191.02	1.36	0.39	29.25	-218.29	4,965.52	4,957.35	4,955.61	1.74	2,855.453		
500.00	498.70	298.09	297.97	1.76	0.78	29.46	-222.36	4,966.70	4,947.95	4,945.45	2.50	1,979.591		
600.00	597.47	358.91	358.65	2.18	1.00	29.67	-226.21	4,967.71	4,936.26	4,933.15	3.11	1,589.015		
700.00	695.62	430.00	429.46	2.63	1.28	29.96	-232.33	4,969.34	4,922.32	4,918.55	3.77	1,305.981		
800.00	793.06	468.97	468.20	3.11	1.43	30.22	-236.45	4,970.53	4,906.26	4,901.93	4.33	1,133.389		
900.00	889.64	522.00	520.77	3.64	1.65	30.57	-242.99	4,972.67	4,888.36	4,883.40	4.96	985.372		
1,000.00	985.27	598.25	596.12	4.22	1.97	31.04	-254.10	4,976.10	4,868.29	4,862.57	5.72	850.701		
1,100.00	1,079.82	1,097.00	1,084.07	4.84	2.36	33.59	-354.85	4,974.90	4,841.36	4,832.80	8.56	565.321		
1,200.00	1,173.17	1,157.11	1,141.99	5.52	2.81	34.32	-370.66	4,971.94	4,808.66	4,799.28	9.38	512.509		
1,300.00	1,265.21	1,206.57	1,189.41	6.26	3.34	35.05	-384.57	4,969.88	4,774.34	4,764.16	10.18	469.077		
1,400.00	1,355.84	1,266.32	1,246.33	7.06	3.92	35.90	-402.55	4,967.56	4,738.22	4,727.14	11.08	427.625		
1,500.00	1,444.94	1,357.30	1,332.50	7.92	4.54	37.07	-431.56	4,963.97	4,700.15	4,687.92	12.22	384.473		
1,600.00	1,532.39	1,406.12	1,378.69	8.84	5.22	37.98	-447.23	4,961.96	4,660.03	4,646.88	13.15	354.296		
1,700.00	1,618.11	1,441.55	1,412.25	9.83	5.96	38.84	-458.53	4,960.82	4,618.61	4,604.57	14.04	328.934		
1,800.00	1,701.97	1,471.00	1,440.17	10.89	6.75	39.69	-467.87	4,960.09	4,575.97	4,561.03	14.94	306.343		
1,900.00	1,783.88	1,522.74	1,489.23	12.02	7.60	40.79	-484.26	4,959.14	4,532.04	4,516.01	16.03	282.808		
1,991.28	1,856.86	1,565.00	1,529.30	13.11	8.51	41.80	-497.67	4,958.60	4,490.85	4,473.82	17.03	263.651		
2,000.00	1,863.75	1,565.00	1,529.30	13.21	8.61	41.80	-497.67	4,958.60	4,486.87	4,469.76	17.11	262.271		
2,100.00	1,942.74	1,617.61	1,579.20	14.45	9.56	42.31	-514.36	4,958.15	4,441.80	4,423.51	18.29	242.822		
2,200.00	2,021.72	1,675.39	1,634.02	15.69	10.56	42.88	-532.60	4,957.86	4,397.77	4,378.23	19.54	225.033		
2,300.00	2,100.71	1,978.99	1,922.63	16.95	11.61	45.93	-626.19	4,948.77	4,353.09	4,330.66	22.43	194.092		
2,400.00	2,179.70	2,037.67	1,978.21	18.21	12.71	46.55	-644.65	4,945.26	4,307.31	4,283.54	23.76	181.262		
2,500.00	2,258.69	2,108.72	2,045.50	19.47	13.86	47.30	-667.06	4,940.96	4,262.42	4,237.21	25.21	169.050		
2,600.00	2,337.68	2,155.60	2,090.00	20.74	15.02	47.80	-681.56	4,938.19	4,218.49	4,191.96	26.53	159.010		
2,700.00	2,416.66	2,193.49	2,125.94	22.02	16.21	48.21	-693.37	4,936.16	4,175.91	4,148.10	27.81	150.163		
2,800.00	2,495.65	2,233.92	2,164.26	23.29	17.36	48.65	-706.11	4,934.22	4,134.72	4,105.59	29.13	141.942		
2,900.00	2,574.64	2,281.57	2,209.41	24.57	18.47	49.17	-721.20	4,932.13	4,094.85	4,064.33	30.52	134.149		
3,000.00	2,653.63	2,316.00	2,242.02	25.85	19.54	49.55	-732.16	4,930.72	4,056.34	4,024.49	31.85	127.369		
3,100.00	2,732.62	2,367.43	2,290.65	27.14	20.57	50.12	-748.79	4,928.80	4,019.23	3,985.91	33.32	120.634		
3,200.00	2,811.61	2,409.00	2,329.85	28.42	21.57	50.59	-762.57	4,927.43	3,983.67	3,948.93	34.74	114.685		
3,300.00	2,890.59	2,554.55	2,467.05	29.71	22.53	52.24	-810.76	4,921.27	3,948.69	3,911.72	36.97	106.822		
3,400.00	2,969.58	2,627.44	2,536.18	31.00	23.41	53.08	-833.59	4,917.76	3,914.19	3,875.53	38.66	101.250		
3,500.00	3,048.57	2,675.91	2,582.19	32.29	24.22	53.63	-848.67	4,915.60	3,881.08	3,840.89	40.19	96.577		
3,600.00	3,127.56	2,807.74	2,707.33	33.58	25.00	55.16	-889.56	4,908.79	3,848.78	3,806.43	42.35	90.875		
3,700.00	3,206.55	2,853.72	2,751.04	34.87	25.75	55.70	-903.59	4,906.20	3,817.36	3,773.46	43.90	86.954		
3,800.00	3,285.53	2,912.56	2,807.09	36.16	26.46	56.38	-921.26	4,903.30	3,787.50	3,741.94	45.56	83.141		
3,900.00	3,364.52	2,993.82	2,884.62	37.45	27.13	57.34	-945.27	4,899.26	3,758.79	3,711.41	47.39	79.323		
4,000.00	3,443.51	3,074.55	2,961.63	38.74	27.77	58.29	-969.08	4,894.87	3,731.14	3,681.92	49.23	75.792		
4,100.00	3,522.50	3,148.18	3,031.86	40.04	28.38	59.17	-990.80	4,890.56	3,704.66	3,653.62	51.04	72.590		
4,200.00	3,601.49	3,204.18	3,085.27	41.33	28.95	59.84	-1,007.27	4,887.26	3,679.52	3,626.80	52.72	69.793		
4,300.00	3,680.47	3,253.38	3,132.18	42.63	29.48	60.44	-1,021.82	4,884.52	3,656.07	3,601.71	54.36	67.255		
4,400.00	3,759.46	3,343.68	3,218.36	43.92	30.00	61.53	-1,048.35	4,879.57	3,634.08	3,577.75	56.32	64.523		
4,500.00	3,838.45	3,398.16	3,270.46	45.22	30.49	62.19	-1,063.99	4,876.55	3,613.27	3,555.26	58.01	62.289		
4,600.00	3,917.44	3,455.00	3,324.90	46.51	30.95	62.88	-1,080.12	4,873.95	3,594.31	3,534.60	59.71	60.196		
4,700.00	3,996.43	3,505.07	3,372.87	47.81	31.38	63.49	-1,094.33	4,871.87	3,577.05	3,515.69	61.36	58.299		
4,800.00	4,075.42	3,550.00	3,415.87	49.10	31.78	64.03	-1,107.22	4,869.90	3,561.40	3,498.44	62.96	56.567		
4,900.00	4,154.40	3,605.61	3,468.89	50.40	32.15	64.72	-1,123.75	4,867.27	3,547.56	3,482.90	64.66	54.869		
5,000.00	4,233.39	3,645.00	3,506.25	51.70	32.49	65.21	-1,136.08	4,865.22	3,535.77	3,469.56	66.21	53.405		
5,100.00	4,312.38	3,702.15	3,560.14	52.99	32.77	65.94	-1,154.78	4,861.83	3,525.91	3,457.98	67.92	51.911		

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-20-01
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-20-01	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		
5,200.00	4,391.37	3,759.92	3,614.30	54.29	21.16	66.69	-1,174.49	4,857.78	3,517.91	3,448.28	69.64	50.518		
5,300.00	4,470.36	3,891.04	3,737.67	55.59	22.05	68.38	-1,217.83	4,848.29	3,511.16	3,439.14	72.01	48.756		
5,400.00	4,549.34	4,015.64	3,857.00	56.89	22.80	69.92	-1,252.84	4,841.87	3,504.50	3,430.28	74.22	47.220		
5,500.00	4,628.33	4,143.64	3,982.14	58.18	23.45	71.38	-1,279.59	4,842.50	3,498.46	3,422.18	76.28	45.864		
5,600.00	4,707.32	4,211.76	4,048.88	59.48	23.78	72.15	-1,293.22	4,842.84	3,493.36	3,415.45	77.91	44.840		
5,700.00	4,786.31	4,274.04	4,109.72	60.78	24.10	72.87	-1,306.53	4,842.34	3,489.78	3,410.27	79.50	43.895		
5,800.00	4,865.30	4,309.00	4,143.79	62.08	24.28	73.28	-1,314.35	4,841.77	3,487.94	3,407.05	80.88	43.122		
5,839.50	4,896.50	4,335.27	4,169.34	62.59	24.43	73.59	-1,320.45	4,841.27	3,487.71	3,406.18	81.52	42.782 CC		
5,900.00	4,944.28	4,354.50	4,188.00	63.38	24.53	73.82	-1,325.09	4,840.91	3,488.12	3,405.78	82.33	42.367 ES		
6,000.00	5,023.27	4,405.00	4,236.82	64.68	24.81	74.43	-1,337.96	4,840.03	3,490.71	3,406.92	83.79	41.660		
6,100.00	5,102.26	4,470.39	4,300.01	65.97	25.19	75.21	-1,354.69	4,838.52	3,494.75	3,409.40	85.36	40.943		
6,200.00	5,181.25	4,628.56	4,453.21	67.27	26.07	77.12	-1,393.61	4,832.86	3,499.05	3,411.39	87.65	39.919		
6,300.00	5,260.24	4,689.00	4,511.53	68.57	26.41	77.87	-1,408.90	4,828.68	3,504.31	3,415.16	89.15	39.308		
6,400.00	5,339.23	4,742.06	4,562.38	69.87	26.74	78.54	-1,423.22	4,823.76	3,511.40	3,420.82	90.58	38.766		
6,500.00	5,418.21	4,784.00	4,602.24	71.17	26.99	79.08	-1,435.40	4,819.09	3,520.68	3,428.81	91.88	38.320		
6,600.00	5,497.20	4,852.74	4,667.35	72.47	27.43	79.98	-1,455.83	4,810.79	3,531.87	3,438.48	93.39	37.820		
6,700.00	5,576.19	4,948.22	4,758.24	73.77	28.01	81.20	-1,483.05	4,800.17	3,544.41	3,449.32	95.09	37.274		
6,800.00	5,655.18	5,018.96	4,826.23	75.07	28.44	82.08	-1,501.66	4,794.25	3,558.12	3,461.58	96.54	36.857		
6,900.00	5,734.17	5,069.00	4,874.21	76.37	28.73	82.70	-1,515.08	4,789.65	3,573.52	3,475.76	97.77	36.552		
7,000.00	5,813.15	5,099.22	4,903.11	77.67	28.92	83.08	-1,523.45	4,786.76	3,590.97	3,492.18	98.78	36.352		
7,100.00	5,892.14	5,126.04	4,928.68	78.97	29.09	83.42	-1,531.14	4,784.25	3,610.63	3,510.91	99.72	36.206		
7,200.00	5,971.13	5,164.00	4,964.74	80.27	29.32	83.90	-1,542.48	4,780.78	3,632.53	3,531.81	100.73	36.063		
7,300.00	6,050.12	5,164.00	4,964.74	81.57	29.32	83.90	-1,542.48	4,780.78	3,656.58	3,555.27	101.31	36.094		
7,400.00	6,129.11	5,214.12	5,012.30	82.86	29.64	84.51	-1,557.83	4,777.08	3,682.52	3,580.18	102.34	35.982		
7,500.00	6,208.09	5,259.00	5,054.96	84.16	29.93	85.05	-1,571.66	4,775.14	3,710.54	3,607.24	103.30	35.919		
7,600.00	6,287.08	5,296.17	5,090.28	85.46	30.17	85.49	-1,583.16	4,774.12	3,740.28	3,636.14	104.14	35.916		
7,700.00	6,366.07	6,517.07	6,288.17	86.76	35.51	98.40	-1,776.26	4,739.12	3,765.94	3,653.42	112.52	33.470		
7,800.00	6,445.06	6,590.00	6,361.09	88.06	35.65	99.07	-1,775.54	4,738.93	3,776.32	3,662.68	113.64	33.230		
7,900.00	6,524.05	6,590.00	6,361.09	89.36	35.65	99.07	-1,775.54	4,738.93	3,788.49	3,673.88	114.61	33.056		
8,000.00	6,603.03	6,645.53	6,416.60	90.66	35.76	99.57	-1,775.40	4,740.46	3,802.14	3,686.49	115.65	32.876		
8,100.00	6,682.02	6,685.00	6,455.92	91.96	35.84	99.89	-1,775.63	4,743.73	3,817.99	3,701.35	116.64	32.732		
8,133.44	6,708.44	6,685.00	6,455.92	92.40	35.84	99.89	-1,775.63	4,743.73	3,823.68	3,706.75	116.92	32.702		
8,150.00	6,721.39	6,685.00	6,455.92	92.62	35.84	98.53	-1,775.63	4,743.73	3,826.51	3,709.44	117.06	32.687		
8,200.00	6,758.90	6,715.29	6,485.93	93.34	35.89	95.23	-1,775.85	4,747.81	3,834.12	3,716.49	117.62	32.596		
8,250.00	6,793.76	6,736.28	6,506.56	94.13	35.93	92.59	-1,775.91	4,751.66	3,840.46	3,722.24	118.22	32.485		
8,300.00	6,825.72	6,757.33	6,527.08	95.00	35.97	90.53	-1,775.90	4,756.35	3,845.48	3,726.60	118.88	32.347		
8,350.00	6,854.52	6,780.00	6,548.95	95.93	36.01	88.99	-1,775.80	4,762.32	3,849.18	3,729.57	119.61	32.182		
8,400.00	6,879.97	6,803.80	6,571.67	96.92	36.05	87.88	-1,775.63	4,769.40	3,851.51	3,731.14	120.38	31.995		
8,450.00	6,901.84	6,829.04	6,595.54	97.95	36.09	87.17	-1,775.39	4,777.59	3,852.48	3,731.28	121.20	31.786		
8,500.00	6,920.00	6,853.71	6,618.63	99.02	36.12	86.79	-1,775.08	4,786.27	3,852.11	3,730.05	122.06	31.560		
8,550.00	6,934.28	6,879.88	6,642.84	100.12	36.16	86.73	-1,774.69	4,796.20	3,850.44	3,727.49	122.95	31.318		
8,600.00	6,944.59	6,918.93	6,678.16	101.22	36.20	87.12	-1,773.77	4,812.82	3,847.44	3,723.52	123.92	31.047		
8,650.00	6,950.84	6,960.87	6,714.79	102.33	36.24	87.82	-1,772.28	4,833.16	3,843.12	3,718.19	124.94	30.761		
8,701.16	6,953.00	6,969.00	6,721.72	103.44	36.25	88.37	-1,771.93	4,837.40	3,837.50	3,711.73	125.76	30.513		
8,800.00	6,953.00	7,016.34	6,761.11	105.59	36.28	88.96	-1,769.87	4,863.57	3,826.49	3,698.93	127.56	29.999		
8,900.00	6,953.00	7,064.00	6,799.02	107.79	36.32	89.53	-1,767.88	4,892.36	3,817.42	3,688.04	129.39	29.504		
9,000.00	6,953.00	7,096.29	6,823.55	110.02	36.33	89.90	-1,766.59	4,913.33	3,810.28	3,679.14	131.14	29.056		
9,100.00	6,953.00	7,143.21	6,857.11	112.26	36.36	90.41	-1,764.85	4,946.05	3,805.00	3,671.98	133.02	28.604		
9,200.00	6,953.00	7,159.00	6,867.83	114.52	36.37	90.57	-1,764.30	4,957.63	3,801.64	3,667.00	134.64	28.236		
9,300.00	6,953.00	7,221.71	6,907.37	116.80	36.40	91.17	-1,762.72	5,006.24	3,799.82	3,663.04	136.78	27.781		
9,354.00	6,953.00	7,254.00	6,925.77	118.04	36.42	91.44	-1,762.34	5,032.77	3,799.70	3,661.77	137.93	27.548		
9,400.00	6,953.00	7,254.00	6,925.77	119.10	36.42	91.44	-1,762.34	5,032.77	3,799.97	3,661.37	138.60	27.417		

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-20-01
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-20-01	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		
9,500.00	6,953.00	7,323.43	6,961.67	121.42	36.47	91.99	-1,762.26	5,092.18	3,801.54	3,660.55	140.99	26.964		
9,600.00	6,953.00	7,525.38	7,032.71	123.75	36.66	93.06	-1,761.49	5,280.22	3,802.53	3,656.74	145.80	26.081		
9,700.00	6,953.00	7,697.95	7,047.76	126.10	37.04	93.28	-1,759.05	5,451.66	3,801.28	3,650.43	150.85	25.200		
9,800.00	6,953.00	7,737.00	7,048.13	128.46	37.18	93.29	-1,758.86	5,490.71	3,800.33	3,647.00	153.33	24.785		
9,812.70	6,953.00	7,737.00	7,048.13	128.76	37.18	93.29	-1,758.86	5,490.71	3,800.31	3,646.77	153.54	24.751		
9,900.00	6,953.00	7,808.31	7,048.41	130.84	37.53	93.29	-1,759.36	5,562.02	3,800.71	3,644.08	156.63	24.265		
10,000.00	6,953.00	8,015.69	7,048.99	133.23	39.27	93.31	-1,757.40	5,769.37	3,799.42	3,636.02	163.40	23.252		
10,100.00	6,953.00	8,123.65	7,048.77	135.63	40.66	93.30	-1,754.91	5,877.31	3,796.89	3,628.94	167.95	22.607		
10,200.00	6,953.00	8,223.45	7,048.51	138.04	42.19	93.30	-1,752.48	5,977.07	3,794.24	3,621.84	172.40	22.008		
10,300.00	6,953.00	8,307.00	7,047.65	140.46	43.63	93.29	-1,750.74	6,060.60	3,791.88	3,615.38	176.51	21.483		
10,400.00	6,953.00	8,378.23	7,046.75	142.90	44.95	93.28	-1,749.69	6,131.82	3,790.12	3,609.79	180.33	21.018		
10,500.00	6,953.00	8,459.72	7,045.83	145.34	46.54	93.27	-1,748.99	6,213.30	3,788.98	3,604.49	184.49	20.538		
10,600.00	6,953.00	8,545.80	7,044.61	147.80	48.29	93.25	-1,748.60	6,299.37	3,788.23	3,599.41	188.82	20.062		
10,700.00	6,953.00	8,687.88	7,042.80	150.26	51.31	93.22	-1,747.80	6,441.43	3,787.50	3,592.63	194.87	19.436		
10,800.00	6,953.00	8,756.93	7,042.74	152.73	52.82	93.22	-1,747.08	6,510.48	3,786.25	3,587.44	198.81	19.045		
10,900.00	6,953.00	8,832.99	7,042.70	155.21	54.52	93.22	-1,746.86	6,586.54	3,785.73	3,582.76	202.97	18.651		
10,941.80	6,953.00	8,866.29	7,042.74	156.25	55.28	93.22	-1,746.89	6,619.84	3,785.69	3,580.92	204.77	18.488		
11,000.00	6,953.00	8,915.66	7,042.82	157.70	56.41	93.22	-1,747.06	6,669.21	3,785.76	3,578.40	207.36	18.257		
11,100.00	6,953.00	8,998.88	7,042.79	160.20	58.33	93.22	-1,747.58	6,752.42	3,786.19	3,574.39	211.80	17.876		
11,200.00	6,953.00	9,083.94	7,042.85	162.70	60.33	93.22	-1,748.60	6,837.48	3,787.15	3,570.84	216.32	17.508		
11,300.00	6,953.00	9,270.02	7,044.54	165.21	64.78	93.25	-1,749.08	7,023.55	3,787.40	3,563.33	224.06	16.903		
11,391.65	6,953.00	9,316.72	7,044.48	167.51	65.91	93.25	-1,749.02	7,070.25	3,786.96	3,559.68	227.28	16.662		
11,400.00	6,953.00	9,321.86	7,044.44	167.73	66.03	93.25	-1,749.03	7,075.38	3,786.96	3,559.36	227.60	16.639		
11,500.00	6,953.00	9,491.06	7,042.94	170.25	70.16	93.22	-1,748.64	7,244.57	3,786.72	3,551.84	234.87	16.122		
11,600.00	6,953.00	9,626.73	7,045.96	172.78	73.50	93.27	-1,745.51	7,380.16	3,784.26	3,543.19	241.07	15.698		
11,700.00	6,953.00	9,754.42	7,049.02	175.31	76.66	93.32	-1,741.59	7,507.76	3,781.11	3,534.08	247.03	15.306		
11,800.00	6,953.00	9,843.61	7,050.07	177.85	78.88	93.34	-1,738.73	7,596.90	3,777.77	3,525.93	251.84	15.001		
11,900.00	6,953.00	9,921.00	7,050.10	180.40	80.82	93.34	-1,736.74	7,674.26	3,774.98	3,518.69	256.29	14.729		
12,000.00	6,953.00	9,999.86	7,049.35	182.95	82.81	93.33	-1,735.22	7,753.10	3,772.78	3,511.98	260.80	14.466		
12,100.00	6,953.00	10,080.31	7,048.00	185.50	84.85	93.31	-1,734.07	7,833.53	3,771.04	3,505.68	265.36	14.211		
12,200.00	6,953.00	10,193.41	7,047.03	188.06	87.73	93.30	-1,732.67	7,946.62	3,769.57	3,498.59	270.97	13.911		
12,300.00	6,953.00	10,302.00	7,047.92	190.63	90.51	93.32	-1,730.31	8,055.18	3,767.20	3,490.76	276.44	13.627		
12,400.00	6,953.00	10,361.16	7,048.10	193.20	92.02	93.32	-1,729.29	8,114.32	3,765.45	3,485.10	280.35	13.431		
12,472.09	6,953.00	10,397.00	7,047.42	195.05	92.94	93.31	-1,729.27	8,150.16	3,765.14	3,482.21	282.92	13.308		
12,500.00	6,953.00	10,423.19	7,046.74	195.77	93.62	93.30	-1,729.39	8,176.34	3,765.17	3,480.84	284.33	13.242		
12,600.00	6,953.00	10,534.00	7,044.75	198.35	96.49	93.27	-1,729.50	8,287.14	3,764.94	3,475.02	289.92	12.986		
12,700.00	6,953.00	10,625.03	7,043.09	200.93	98.85	93.24	-1,729.69	8,378.15	3,764.83	3,469.96	294.87	12.768		
12,704.45	6,953.00	10,629.16	7,043.03	201.04	98.95	93.24	-1,729.70	8,382.27	3,764.83	3,469.74	295.09	12.758		
12,800.00	6,953.00	10,711.33	7,042.08	203.51	101.09	93.23	-1,730.03	8,464.44	3,764.96	3,465.29	299.66	12.564		
12,900.00	6,953.00	10,805.87	7,040.93	206.10	103.55	93.21	-1,730.92	8,558.97	3,765.60	3,460.86	304.74	12.357		
12,979.66	6,953.00	10,904.64	7,040.90	208.16	106.13	93.21	-1,731.09	8,657.73	3,765.52	3,455.94	309.57	12.164		
13,000.00	6,953.00	10,918.38	7,040.93	208.69	106.49	93.21	-1,731.13	8,671.47	3,765.54	3,455.11	310.42	12.130		
13,100.00	6,953.00	11,018.32	7,041.12	211.29	109.11	93.21	-1,731.81	8,771.42	3,766.02	3,450.33	315.69	11.930		
13,200.00	6,953.00	11,141.79	7,043.03	213.88	112.34	93.24	-1,731.61	8,894.86	3,765.70	3,443.96	321.74	11.704		
13,300.00	6,953.00	11,283.99	7,046.10	216.48	116.07	93.29	-1,729.85	9,037.02	3,764.24	3,435.86	328.38	11.463		
13,400.00	6,953.00	11,346.00	7,046.85	219.09	117.70	93.30	-1,729.28	9,099.02	3,763.18	3,430.76	332.42	11.321		
13,500.00	6,953.00	11,428.66	7,047.32	221.69	119.87	93.31	-1,729.16	9,181.68	3,762.86	3,425.73	337.13	11.161		
13,515.90	6,953.00	11,441.00	7,047.34	222.11	120.20	93.31	-1,729.18	9,194.02	3,762.85	3,424.99	337.85	11.138		
13,600.00	6,953.00	11,498.90	7,047.56	224.30	121.73	93.31	-1,729.48	9,251.92	3,763.13	3,421.71	341.42	11.022		
13,700.00	6,953.00	11,536.00	7,047.82	226.92	122.71	93.32	-1,729.89	9,289.02	3,764.44	3,419.92	344.52	10.927		
13,800.00	6,953.00	11,598.86	7,048.34	229.53	124.37	93.32	-1,731.41	9,351.85	3,766.92	3,418.44	348.48	10.810		
13,900.00	6,953.00	11,661.38	7,048.84	232.15	126.03	93.33	-1,734.11	9,414.31	3,770.95	3,418.55	352.40	10.701		

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-20-01
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-20-01	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						
14,000.00	6,953.00	11,772.27	7,049.01	234.77	128.98	93.33	-1,738.94	9,525.09	3,775.09	3,416.97	358.12	10.541						
14,100.00	6,953.00	11,791.00	7,049.00	237.39	129.48	93.33	-1,739.74	9,543.81	3,780.01	3,419.69	360.33	10.491						
14,200.00	6,953.00	11,791.00	7,049.00	240.01	129.48	93.33	-1,739.74	9,543.81	3,787.53	3,425.93	361.60	10.474						
14,300.00	6,953.00	11,791.00	7,049.00	242.64	129.48	93.33	-1,739.74	9,543.81	3,797.66	3,435.04	362.62	10.473	SF					
14,400.00	6,953.00	11,791.00	7,049.00	245.27	129.48	93.33	-1,739.74	9,543.81	3,810.39	3,446.98	363.41	10.485						
14,500.00	6,953.00	11,791.00	7,049.00	247.90	129.48	93.33	-1,739.74	9,543.81	3,825.69	3,461.73	363.96	10.511						
14,600.00	6,953.00	11,791.00	7,049.00	250.53	129.48	93.33	-1,739.74	9,543.81	3,843.53	3,479.26	364.27	10.551						
14,700.00	6,953.00	11,791.00	7,049.00	253.16	129.48	93.33	-1,739.74	9,543.81	3,863.88	3,499.52	364.36	10.605						
14,800.00	6,953.00	11,791.00	7,049.00	255.80	129.48	93.33	-1,739.74	9,543.81	3,886.70	3,522.47	364.23	10.671						
14,900.00	6,953.00	11,791.00	7,049.00	258.43	129.48	93.33	-1,739.74	9,543.81	3,911.94	3,548.06	363.88	10.750						
15,000.00	6,953.00	11,791.00	7,049.00	261.07	129.48	93.33	-1,739.74	9,543.81	3,939.56	3,576.22	363.34	10.843						
15,100.00	6,953.00	11,791.00	7,049.00	263.71	129.48	93.33	-1,739.74	9,543.81	3,969.51	3,606.91	362.60	10.947						
15,200.00	6,953.00	11,791.00	7,049.00	266.36	129.48	93.33	-1,739.74	9,543.81	4,001.73	3,640.06	361.67	11.065						
15,300.00	6,953.00	11,791.00	7,049.00	269.00	129.48	93.33	-1,739.74	9,543.81	4,036.17	3,675.60	360.57	11.194						
15,400.00	6,953.00	11,791.00	7,049.00	271.65	129.48	93.33	-1,739.74	9,543.81	4,072.78	3,713.46	359.32	11.335						
15,500.00	6,953.00	11,791.00	7,049.00	274.29	129.48	93.33	-1,739.74	9,543.81	4,111.49	3,753.59	357.91	11.488						
15,600.00	6,953.00	11,791.00	7,049.00	276.94	129.48	93.33	-1,739.74	9,543.81	4,152.26	3,795.90	356.36	11.652						
15,700.00	6,953.00	11,791.00	7,049.00	279.59	129.48	93.33	-1,739.74	9,543.81	4,195.01	3,840.33	354.68	11.828						
15,800.00	6,953.00	11,791.00	7,049.00	282.24	129.48	93.33	-1,739.74	9,543.81	4,239.68	3,886.80	352.89	12.014						
15,900.00	6,953.00	11,791.00	7,049.00	284.90	129.48	93.33	-1,739.74	9,543.81	4,286.23	3,935.24	350.99	12.212						
16,000.00	6,953.00	11,791.00	7,049.00	287.55	129.48	93.33	-1,739.74	9,543.81	4,334.58	3,985.59	348.99	12.420						
16,100.00	6,953.00	11,791.00	7,049.00	290.20	129.48	93.33	-1,739.74	9,543.81	4,384.69	4,037.77	346.92	12.639						
16,200.00	6,953.00	11,791.00	7,049.00	292.86	129.48	93.33	-1,739.74	9,543.81	4,436.48	4,091.71	344.76	12.868						
16,300.00	6,953.00	11,791.00	7,049.00	295.52	129.48	93.33	-1,739.74	9,543.81	4,489.90	4,147.35	342.54	13.108						
16,400.00	6,953.00	11,791.00	7,049.00	298.18	129.48	93.33	-1,739.74	9,543.81	4,544.89	4,204.62	340.26	13.357						
16,500.00	6,953.00	11,791.00	7,049.00	300.84	129.48	93.33	-1,739.74	9,543.81	4,601.40	4,263.46	337.94	13.616						
16,600.00	6,953.00	11,791.00	7,049.00	303.50	129.48	93.33	-1,739.74	9,543.81	4,659.37	4,323.79	335.57	13.885						
16,700.00	6,953.00	11,791.00	7,049.00	306.16	129.48	93.33	-1,739.74	9,543.81	4,718.75	4,385.57	333.17	14.163						
16,800.00	6,953.00	11,791.00	7,049.00	308.82	129.48	93.33	-1,739.74	9,543.81	4,779.48	4,448.73	330.75	14.450						
16,900.00	6,953.00	11,791.00	7,049.00	311.49	129.48	93.33	-1,739.74	9,543.81	4,841.51	4,513.21	328.31	14.747						
17,000.00	6,953.00	11,791.00	7,049.00	314.15	129.48	93.33	-1,739.74	9,543.81	4,904.80	4,578.96	325.85	15.052						
17,100.00	6,953.00	11,791.00	7,049.00	316.82	129.48	93.33	-1,739.74	9,543.81	4,969.30	4,645.92	323.38	15.367						
17,200.00	6,953.00	11,791.00	7,049.00	319.48	129.48	93.33	-1,739.74	9,543.81	5,034.96	4,714.05	320.91	15.690						
17,300.00	6,953.00	11,791.00	7,049.00	322.15	129.48	93.33	-1,739.74	9,543.81	5,101.73	4,783.29	318.44	16.021						
17,400.00	6,953.00	11,791.00	7,049.00	324.82	129.48	93.33	-1,739.74	9,543.81	5,169.57	4,853.60	315.98	16.361						
17,500.00	6,953.00	11,791.00	7,049.00	327.49	129.48	93.33	-1,739.74	9,543.81	5,238.45	4,924.93	313.52	16.708						
17,600.00	6,953.00	11,791.00	7,049.00	330.16	129.48	93.33	-1,739.74	9,543.81	5,308.31	4,997.23	311.08	17.064						
17,700.00	6,953.00	11,791.00	7,049.00	332.83	129.48	93.33	-1,739.74	9,543.81	5,379.13	5,070.48	308.65	17.428						
17,800.00	6,953.00	11,791.00	7,049.00	335.50	129.48	93.33	-1,739.74	9,543.81	5,450.86	5,144.62	306.25	17.799						
17,900.00	6,953.00	11,791.00	7,049.00	338.17	129.48	93.33	-1,739.74	9,543.81	5,523.47	5,219.61	303.86	18.178						
18,000.00	6,953.00	11,791.00	7,049.00	340.85	129.48	93.33	-1,739.74	9,543.81	5,596.93	5,295.43	301.49	18.564						
18,100.00	6,953.00	11,791.00	7,049.00	343.52	129.48	93.33	-1,739.74	9,543.81	5,671.19	5,372.04	299.15	18.958						
18,200.00	6,953.00	11,791.00	7,049.00	346.19	129.48	93.33	-1,739.74	9,543.81	5,746.24	5,449.40	296.84	19.358						
18,300.00	6,953.00	11,791.00	7,049.00	348.87	129.48	93.33	-1,739.74	9,543.81	5,822.04	5,527.49	294.55	19.766						
18,400.00	6,953.00	11,791.00	7,049.00	351.55	129.48	93.33	-1,739.74	9,543.81	5,898.56	5,606.27	292.29	20.180						
18,500.00	6,953.00	11,791.00	7,049.00	354.22	129.48	93.33	-1,739.74	9,543.81	5,975.77	5,685.71	290.06	20.602						
18,600.00	6,953.00	11,791.00	7,049.00	356.90	129.48	93.33	-1,739.74	9,543.81	6,053.65	5,765.79	287.86	21.030						
18,700.00	6,953.00	11,791.00	7,049.00	359.58	129.48	93.33	-1,739.74	9,543.81	6,132.17	5,846.47	285.70	21.464						
18,800.00	6,953.00	11,791.00	7,049.00	362.26	129.48	93.33	-1,739.74	9,543.81	6,211.31	5,927.75	283.56	21.905						
18,900.00	6,953.00	11,791.00	7,049.00	364.94	129.48	93.33	-1,739.74	9,543.81	6,291.04	6,009.58	281.46	22.352						
19,000.00	6,953.00	11,791.00	7,049.00	367.62	129.48	93.33	-1,739.74	9,543.81	6,371.35	6,091.96	279.39	22.805						
19,073.74	6,953.00	11,791.00	7,049.00	369.59	129.48	93.33	-1,739.74	9,543.81	6,430.92	6,153.04	277.88	23.143						

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-20-01
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-20-01	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-20-01
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-20-01	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	91.57	-135.77	4,963.17	4,965.05	4,964.78	0.27	N/A		
200.00	199.98	86.44	86.44	0.63	0.14	28.16	-136.25	4,963.13	4,963.46	4,962.70	0.77	6,478.634		
300.00	299.84	189.12	189.10	0.99	0.31	28.25	-138.07	4,963.00	4,958.77	4,957.48	1.30	3,825.851		
400.00	399.45	409.31	408.93	1.36	1.11	28.58	-149.52	4,959.67	4,949.70	4,947.23	2.48	1,998.816		
500.00	498.70	561.72	560.72	1.76	1.70	28.96	-162.23	4,954.71	4,936.07	4,932.63	3.44	1,435.126		
600.00	597.47	643.52	642.09	2.18	2.03	29.30	-170.05	4,951.62	4,918.97	4,914.83	4.14	1,187.744		
700.00	695.62	805.75	802.67	2.63	2.72	29.95	-191.77	4,944.29	4,898.31	4,893.10	5.21	939.693		
800.00	793.06	909.55	905.20	3.11	3.17	30.53	-207.00	4,938.79	4,874.18	4,868.12	6.06	804.067		
900.00	889.64	980.84	975.68	3.64	3.48	31.05	-217.07	4,935.05	4,847.35	4,840.56	6.78	714.460		
1,000.00	985.27	1,034.00	1,028.26	4.22	3.71	31.55	-224.47	4,932.61	4,818.38	4,810.93	7.45	646.989		
1,100.00	1,079.82	1,107.18	1,100.77	4.84	4.02	32.18	-233.97	4,929.70	4,787.26	4,779.05	8.21	583.089		
1,200.00	1,173.17	1,189.07	1,182.06	5.52	4.36	32.88	-243.37	4,926.88	4,753.86	4,744.84	9.03	526.729		
1,300.00	1,265.21	1,312.05	1,304.27	6.26	4.87	33.81	-256.46	4,922.40	4,717.73	4,707.70	10.03	470.592		
1,400.00	1,355.84	1,448.00	1,439.39	7.06	5.42	34.91	-269.91	4,915.81	4,677.84	4,666.74	11.10	421.605		
1,500.00	1,444.94	1,506.00	1,497.03	7.92	5.66	35.73	-275.61	4,912.97	4,635.66	4,623.77	11.89	389.839		
1,600.00	1,532.39	1,552.81	1,543.55	8.84	5.85	36.56	-280.52	4,910.97	4,591.75	4,579.06	12.68	362.035		
1,700.00	1,618.11	1,600.18	1,590.57	9.83	6.05	37.45	-286.01	4,909.33	4,546.30	4,532.78	13.52	336.331		
1,800.00	1,701.97	1,673.90	1,663.70	10.89	6.35	38.59	-294.93	4,906.98	4,499.01	4,484.51	14.50	310.210		
1,900.00	1,783.88	1,740.91	1,730.20	12.02	6.63	39.77	-302.98	4,904.97	4,449.84	4,434.33	15.51	286.950		
1,991.28	1,856.86	1,881.03	1,869.30	13.11	7.22	41.54	-318.93	4,899.69	4,402.60	4,385.83	16.78	262.437		
2,000.00	1,863.75	1,887.88	1,876.11	13.21	7.24	41.59	-319.70	4,899.39	4,397.98	4,381.11	16.88	260.613		
2,100.00	1,942.74	2,000.54	1,987.87	14.45	7.72	42.49	-332.62	4,893.73	4,344.83	4,326.69	18.14	239.538		
2,200.00	2,021.72	2,074.06	2,060.75	15.69	8.03	43.10	-341.45	4,889.50	4,291.69	4,272.40	19.28	222.543		
2,300.00	2,100.71	2,124.00	2,110.16	16.95	8.25	43.53	-348.13	4,886.87	4,239.48	4,219.11	20.37	208.123		
2,400.00	2,179.70	2,175.18	2,160.80	18.21	8.47	43.98	-355.16	4,884.40	4,188.15	4,166.66	21.49	194.874		
2,500.00	2,258.69	2,244.32	2,229.25	19.47	8.77	44.58	-364.33	4,881.18	4,137.46	4,114.74	22.71	182.159		
2,600.00	2,337.68	2,312.00	2,296.25	20.74	9.06	45.19	-373.33	4,878.05	4,087.34	4,063.38	23.96	170.620		
2,700.00	2,416.66	2,379.40	2,362.97	22.02	9.36	45.80	-382.45	4,874.98	4,037.87	4,012.65	25.23	160.067		
2,800.00	2,495.65	2,448.34	2,431.19	23.29	9.65	46.44	-391.85	4,871.93	3,989.11	3,962.58	26.53	150.365		
2,900.00	2,574.64	2,519.83	2,501.98	24.57	9.96	47.11	-401.29	4,868.85	3,940.98	3,913.12	27.87	141.419		
3,000.00	2,653.63	2,590.18	2,571.74	25.85	10.26	47.76	-409.96	4,866.01	3,893.51	3,864.29	29.22	133.245		
3,100.00	2,732.62	2,684.26	2,664.98	27.14	10.66	48.67	-421.83	4,861.90	3,846.51	3,815.81	30.70	125.292		
3,200.00	2,811.61	2,738.96	2,719.11	28.42	10.90	49.21	-429.26	4,859.31	3,800.11	3,768.06	32.05	118.562		
3,300.00	2,890.59	2,786.00	2,765.69	29.71	11.11	49.67	-435.52	4,857.36	3,754.81	3,721.41	33.40	112.434		
3,400.00	2,969.58	2,849.72	2,828.84	31.00	11.38	50.31	-443.72	4,855.11	3,710.54	3,675.71	34.83	106.536		
3,500.00	3,048.57	2,925.71	2,904.20	32.29	11.70	51.08	-453.21	4,852.76	3,667.24	3,630.90	36.34	100.918		
3,600.00	3,127.56	3,009.99	2,987.69	33.58	12.06	51.95	-464.25	4,849.64	3,624.41	3,586.49	37.91	95.597		
3,700.00	3,206.55	3,096.73	3,073.72	34.87	12.43	52.85	-474.89	4,846.53	3,582.28	3,542.76	39.52	90.643		
3,800.00	3,285.53	3,202.55	3,178.68	36.16	12.87	53.97	-487.57	4,841.85	3,540.28	3,499.05	41.23	85.870		
3,900.00	3,364.52	3,255.00	3,230.78	37.45	13.09	54.53	-493.09	4,839.56	3,498.89	3,456.16	42.74	81.869		
4,000.00	3,443.51	3,313.02	3,288.45	38.74	13.33	55.15	-499.09	4,837.40	3,458.71	3,414.42	44.29	78.095		
4,100.00	3,522.50	3,376.60	3,351.60	40.04	13.59	55.84	-506.23	4,835.54	3,420.10	3,374.21	45.89	74.529		
4,200.00	3,601.49	3,481.09	3,455.29	41.33	14.02	57.01	-518.40	4,831.20	3,381.63	3,333.94	47.69	70.901		
4,300.00	3,680.47	3,538.00	3,511.76	42.63	14.26	57.65	-525.08	4,828.88	3,344.32	3,294.99	49.33	67.799		
4,400.00	3,759.46	3,621.33	3,594.44	43.92	14.61	58.61	-534.91	4,825.55	3,308.06	3,256.97	51.09	64.744		
4,500.00	3,838.45	3,694.34	3,666.88	45.22	14.92	59.46	-543.48	4,822.50	3,272.70	3,219.86	52.84	61.934		
4,600.00	3,917.44	3,769.31	3,741.29	46.51	15.23	60.35	-552.11	4,819.46	3,238.40	3,183.78	54.62	59.292		
4,700.00	3,996.43	3,845.38	3,816.80	47.81	15.55	61.26	-560.79	4,816.33	3,205.10	3,148.68	56.42	56.808		
4,800.00	4,075.42	3,917.54	3,888.33	49.10	15.86	62.14	-569.68	4,812.94	3,172.92	3,114.68	58.23	54.485		
4,900.00	4,154.40	3,991.62	3,961.80	50.40	16.17	63.05	-578.57	4,809.61	3,141.91	3,081.84	60.07	52.302		
5,000.00	4,233.39	4,048.18	4,017.96	51.70	16.41	63.75	-584.89	4,807.46	3,112.23	3,050.39	61.84	50.327		
5,100.00	4,312.38	4,101.00	4,070.36	52.99	16.63	64.41	-591.25	4,805.59	3,084.27	3,020.66	63.60	48.492		

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-20-01
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-20-01	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	4,391.37	4,194.92	4,163.46	54.29	17.03	65.60	-603.14	4,801.86	3,057.58	2,991.99	65.59	46.619		
5,300.00	4,470.36	4,271.99	4,239.82	55.59	17.36	66.60	-612.90	4,798.36	3,031.89	2,964.38	67.50	44.915		
5,400.00	4,549.34	4,345.01	4,312.22	56.89	17.67	67.54	-621.83	4,795.21	3,007.49	2,938.09	69.40	43.335		
5,500.00	4,628.33	4,426.43	4,393.04	58.18	18.01	68.60	-631.20	4,792.07	2,984.42	2,913.07	71.34	41.833		
5,600.00	4,707.32	4,517.77	4,483.63	59.48	18.39	69.81	-642.01	4,787.71	2,962.37	2,889.02	73.34	40.391		
5,700.00	4,786.31	4,601.30	4,566.29	60.78	18.76	70.95	-652.76	4,782.32	2,941.35	2,866.02	75.33	39.047		
5,800.00	4,865.30	4,674.57	4,638.71	62.08	19.08	71.96	-662.58	4,777.09	2,921.79	2,844.52	77.27	37.814		
5,900.00	4,944.28	4,778.21	4,741.28	63.38	19.53	73.40	-675.50	4,769.71	2,903.38	2,824.02	79.35	36.588		
6,000.00	5,023.27	4,810.58	4,773.34	64.68	19.67	73.85	-679.48	4,767.71	2,886.78	2,805.72	81.06	35.615		
6,100.00	5,102.26	4,856.00	4,818.33	65.97	19.86	74.48	-685.19	4,765.25	2,872.47	2,789.67	82.80	34.691		
6,200.00	5,181.25	4,915.14	4,876.91	67.27	20.12	75.29	-692.81	4,762.46	2,860.29	2,775.69	84.60	33.809		
6,300.00	5,260.24	4,997.29	4,958.30	68.57	20.47	76.43	-703.34	4,758.83	2,849.87	2,763.36	86.51	32.943		
6,400.00	5,339.23	5,074.17	5,034.54	69.87	20.80	77.50	-712.63	4,755.35	2,840.61	2,752.24	88.37	32.146		
6,500.00	5,418.21	5,136.00	5,095.80	71.17	21.06	78.36	-720.49	4,752.53	2,833.33	2,743.22	90.11	31.442		
6,600.00	5,497.20	5,183.10	5,142.43	72.47	21.27	79.02	-726.79	4,750.47	2,828.16	2,736.42	91.74	30.828		
6,700.00	5,576.19	5,246.51	5,205.19	73.77	21.54	79.91	-735.53	4,747.98	2,825.14	2,731.70	93.43	30.237		
6,800.00	5,655.18	5,352.52	5,310.35	75.07	21.99	81.37	-748.51	4,744.67	2,823.12	2,727.77	95.35	29.607		
6,872.37	5,712.34	5,397.65	5,355.16	76.01	22.17	81.99	-753.76	4,743.52	2,822.62	2,726.10	96.52	29.243		
6,900.00	5,734.17	5,418.00	5,375.36	76.37	22.26	82.27	-756.15	4,743.04	2,822.70	2,725.72	96.98	29.105		
7,000.00	5,813.15	5,503.78	5,460.54	77.67	22.61	83.44	-766.07	4,740.93	2,823.85	2,725.15	98.70	28.610		
7,100.00	5,892.14	5,585.72	5,541.95	78.97	22.95	84.56	-775.17	4,738.87	2,826.28	2,725.92	100.36	28.162		
7,200.00	5,971.13	5,685.03	5,640.70	80.27	23.35	85.90	-785.43	4,736.70	2,829.93	2,727.85	102.08	27.723		
7,300.00	6,050.12	5,797.12	5,752.34	81.57	23.78	87.39	-795.20	4,734.98	2,834.27	2,730.45	103.82	27.300		
7,400.00	6,129.11	5,924.83	5,879.77	82.86	24.25	89.05	-803.65	4,733.61	2,838.76	2,733.19	105.58	26.888		
7,500.00	6,208.09	6,017.07	5,971.87	84.16	24.58	90.24	-808.49	4,732.81	2,843.86	2,736.75	107.11	26.550		
7,600.00	6,287.08	6,110.18	6,064.87	85.46	24.91	91.43	-813.04	4,732.01	2,850.17	2,741.56	108.61	26.242		
7,700.00	6,366.07	6,215.77	6,170.41	86.76	25.26	92.75	-816.49	4,732.14	2,856.92	2,746.80	110.12	25.944		
7,800.00	6,445.06	6,317.54	6,272.14	88.06	25.60	94.01	-819.05	4,732.83	2,864.72	2,753.15	111.57	25.678		
7,900.00	6,524.05	6,437.09	6,391.68	89.36	25.97	95.47	-820.37	4,733.36	2,872.63	2,759.60	113.03	25.416		
8,000.00	6,603.03	6,456.00	6,410.59	90.66	26.03	95.70	-820.42	4,733.48	2,881.98	2,767.90	114.08	25.263		
8,100.00	6,682.02	6,510.78	6,465.34	91.96	26.19	96.35	-821.10	4,734.86	2,893.34	2,778.13	115.21	25.115		
8,133.44	6,708.44	6,550.00	6,504.48	92.40	26.31	96.80	-822.30	4,737.11	2,898.19	2,782.52	115.67	25.056		
8,150.00	6,721.39	6,550.00	6,504.48	92.62	26.31	95.51	-822.30	4,737.11	2,900.27	2,784.46	115.82	25.042		
8,200.00	6,758.90	6,550.00	6,504.48	93.34	26.31	92.17	-822.30	4,737.11	2,905.89	2,789.60	116.28	24.990		
8,250.00	6,793.76	6,550.00	6,504.48	94.13	26.31	89.52	-822.30	4,737.11	2,910.42	2,793.63	116.79	24.920		
8,300.00	6,825.72	6,550.00	6,504.48	95.00	26.31	87.43	-822.30	4,737.11	2,913.85	2,796.52	117.34	24.834		
8,350.00	6,854.52	6,587.68	6,541.95	95.93	26.42	86.39	-823.76	4,740.73	2,915.65	2,797.50	118.15	24.677		
8,400.00	6,879.97	6,602.55	6,556.68	96.92	26.47	85.43	-824.35	4,742.69	2,916.37	2,797.49	118.88	24.532		
8,450.00	6,901.84	6,616.61	6,570.57	97.95	26.51	84.81	-824.92	4,744.81	2,915.84	2,796.21	119.64	24.373		
8,500.00	6,920.00	6,645.00	6,598.47	99.02	26.59	84.76	-826.10	4,749.89	2,914.20	2,793.67	120.52	24.180		
8,550.00	6,934.28	6,645.00	6,598.47	100.12	26.59	84.51	-826.10	4,749.89	2,911.25	2,790.03	121.22	24.016		
8,600.00	6,944.59	6,645.00	6,598.47	101.22	26.59	84.51	-826.10	4,749.89	2,907.30	2,785.38	121.92	23.845		
8,650.00	6,950.84	6,645.00	6,598.47	102.33	26.59	84.75	-826.10	4,749.89	2,902.37	2,779.75	122.62	23.670		
8,701.16	6,953.00	6,667.48	6,620.42	103.44	26.65	85.68	-827.07	4,754.63	2,896.18	2,772.69	123.49	23.453		
8,800.00	6,953.00	6,680.14	6,632.73	105.59	26.68	85.92	-827.65	4,757.55	2,885.05	2,760.16	124.89	23.101		
8,900.00	6,953.00	6,694.73	6,646.85	107.79	26.72	86.20	-828.35	4,761.15	2,877.09	2,750.84	126.25	22.789		
9,000.00	6,953.00	6,711.49	6,662.99	110.02	26.77	86.53	-829.18	4,765.58	2,872.45	2,744.89	127.56	22.519		
9,093.27	6,953.00	6,738.00	6,688.34	112.11	26.84	87.03	-830.57	4,773.22	2,871.12	2,742.31	128.82	22.289		
9,100.00	6,953.00	6,738.00	6,688.34	112.26	26.84	87.03	-830.57	4,773.22	2,871.13	2,742.24	128.89	22.277		
9,200.00	6,953.00	6,783.88	6,731.51	114.52	26.95	87.89	-832.88	4,788.57	2,872.94	2,742.60	130.34	22.042		
9,300.00	6,953.00	7,100.42	6,992.39	116.80	27.47	93.10	-833.95	4,962.26	2,874.51	2,739.70	134.82	21.322		
9,400.00	6,953.00	7,187.94	7,047.91	119.10	27.55	94.21	-831.10	5,029.67	2,875.45	2,738.35	137.10	20.974		

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-20-01
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-20-01	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-2C - 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				
9,500.00	6,953.00	7,239.97	7,075.91	121.42	27.59	94.76	-830.12	5,073.50	2,878.10	2,739.11	138.99	20.707				
9,600.00	6,953.00	7,301.00	7,105.44	123.75	27.65	95.35	-830.33	5,126.90	2,882.90	2,741.82	141.08	20.434				
9,700.00	6,953.00	7,349.80	7,125.53	126.10	27.72	95.75	-831.51	5,171.33	2,889.40	2,746.34	143.06	20.198				
9,800.00	6,953.00	7,773.28	7,177.57	128.46	32.18	96.77	-832.89	5,588.91	2,890.08	2,735.55	154.53	18.702				
9,900.00	6,953.00	7,866.29	7,177.88	130.84	33.70	96.79	-829.67	5,681.87	2,886.47	2,728.00	158.47	18.215				
10,000.00	6,953.00	7,961.19	7,178.56	133.23	35.37	96.81	-826.52	5,776.72	2,883.05	2,720.47	162.58	17.734				
10,100.00	6,953.00	8,076.01	7,177.99	135.63	37.53	96.81	-822.54	5,891.46	2,879.32	2,711.93	167.39	17.201				
10,200.00	6,953.00	8,242.27	7,179.24	138.04	40.85	96.85	-815.28	6,057.53	2,875.25	2,701.42	173.83	16.541				
10,300.00	6,953.00	8,298.10	7,181.07	140.46	42.03	96.89	-812.22	6,113.25	2,869.92	2,692.81	177.11	16.204				
10,400.00	6,953.00	8,356.52	7,182.50	142.90	43.27	96.93	-809.84	6,171.60	2,865.98	2,685.51	180.46	15.881				
10,500.00	6,953.00	8,425.00	7,182.77	145.34	44.76	96.94	-808.39	6,240.06	2,863.59	2,679.44	184.15	15.550				
10,600.00	6,953.00	8,561.85	7,181.52	147.80	47.82	96.92	-805.85	6,376.88	2,861.64	2,671.52	190.13	15.051				
10,700.00	6,953.00	8,681.99	7,180.03	150.26	50.57	96.90	-801.15	6,496.92	2,857.30	2,661.68	195.61	14.607				
10,800.00	6,953.00	8,770.57	7,181.27	152.73	52.63	96.93	-797.77	6,585.42	2,853.47	2,653.36	200.10	14.260				
10,900.00	6,953.00	8,866.33	7,185.86	155.21	54.89	97.04	-793.94	6,680.99	2,849.86	2,645.02	204.84	13.913				
11,000.00	6,953.00	8,952.39	7,188.09	157.70	56.95	97.09	-790.92	6,766.96	2,846.50	2,637.20	209.30	13.600				
11,100.00	6,953.00	9,030.38	7,187.53	160.20	58.83	97.08	-789.04	6,844.92	2,843.81	2,630.28	213.52	13.319				
11,200.00	6,953.00	9,111.01	7,186.60	162.70	60.79	97.07	-787.82	6,925.54	2,841.94	2,624.09	217.85	13.045				
11,300.00	6,953.00	9,211.87	7,186.30	165.21	63.27	97.06	-786.44	7,026.39	2,840.34	2,617.43	222.90	12.742				
11,400.00	6,953.00	9,333.46	7,188.17	167.73	66.29	97.11	-784.20	7,147.94	2,838.53	2,609.83	228.69	12.412				
11,500.00	6,953.00	9,419.22	7,188.48	170.25	68.43	97.12	-782.19	7,233.68	2,836.09	2,602.83	233.26	12.159				
11,600.00	6,953.00	9,493.08	7,188.83	172.78	70.29	97.13	-781.39	7,307.53	2,834.80	2,597.40	237.40	11.941				
11,700.00	6,953.00	9,616.55	7,191.42	175.31	73.41	97.19	-779.79	7,430.96	2,833.60	2,590.28	243.33	11.645				
11,800.00	6,953.00	9,710.21	7,192.82	177.85	75.79	97.22	-777.94	7,524.59	2,831.65	2,583.45	248.20	11.409				
11,900.00	6,953.00	9,778.03	7,193.87	180.40	77.52	97.24	-777.22	7,592.40	2,830.59	2,578.44	252.15	11.226				
11,931.71	6,953.00	9,797.42	7,194.22	181.21	78.01	97.25	-777.17	7,611.79	2,830.52	2,577.20	253.32	11.174				
12,000.00	6,953.00	9,846.00	7,195.26	182.95	79.26	97.27	-777.41	7,660.36	2,830.86	2,574.78	256.08	11.054				
12,100.00	6,953.00	9,905.42	7,196.51	185.50	80.79	97.29	-778.34	7,719.76	2,832.39	2,572.73	259.66	10.908				
12,200.00	6,953.00	9,976.09	7,197.62	188.06	82.61	97.31	-780.26	7,790.39	2,835.07	2,571.42	263.65	10.753				
12,300.00	6,953.00	10,058.45	7,198.54	190.63	84.75	97.32	-783.31	7,872.68	2,838.65	2,570.54	268.11	10.588				
12,400.00	6,953.00	10,205.63	7,195.65	193.20	88.57	97.25	-788.91	8,019.72	2,842.14	2,566.91	275.23	10.326				
12,500.00	6,953.00	10,407.78	7,197.56	195.77	93.83	97.29	-788.43	8,221.83	2,841.15	2,556.87	284.28	9.994				
12,600.00	6,953.00	10,518.95	7,201.11	198.35	96.73	97.37	-786.48	8,332.92	2,839.63	2,549.78	289.85	9.797				
12,700.00	6,953.00	10,619.82	7,204.01	200.93	99.36	97.43	-784.35	8,433.73	2,837.69	2,542.64	295.06	9.617				
12,800.00	6,953.00	10,712.93	7,206.76	203.51	101.80	97.49	-782.52	8,526.78	2,835.92	2,535.92	299.99	9.453				
12,900.00	6,953.00	10,800.85	7,207.58	206.10	104.11	97.51	-781.32	8,614.68	2,834.47	2,529.70	304.77	9.300				
13,000.00	6,953.00	10,898.46	7,208.13	208.69	106.67	97.53	-780.33	8,712.29	2,833.33	2,523.43	309.91	9.143				
13,100.00	6,953.00	11,001.38	7,209.81	211.29	109.38	97.56	-779.10	8,815.18	2,832.15	2,516.92	315.23	8.984				
13,200.00	6,953.00	11,129.81	7,210.98	213.88	112.77	97.60	-776.79	8,943.58	2,830.24	2,508.76	321.48	8.804				
13,300.00	6,953.00	11,260.25	7,210.63	216.48	116.21	97.60	-774.03	9,073.99	2,828.03	2,500.24	327.79	8.627				
13,400.00	6,953.00	11,408.56	7,210.60	219.09	120.11	97.61	-767.53	9,222.16	2,823.29	2,488.65	334.65	8.437				
13,500.00	6,953.00	11,482.00	7,210.23	221.69	122.05	97.62	-764.43	9,295.53	2,818.81	2,479.79	339.02	8.315				
13,600.00	6,953.00	11,596.81	7,209.13	224.30	125.08	97.61	-759.74	9,410.24	2,814.43	2,469.66	344.77	8.163				
13,700.00	6,953.00	11,683.82	7,206.56	226.92	127.38	97.56	-756.45	9,497.14	2,810.06	2,460.44	349.63	8.037				
13,800.00	6,953.00	11,728.00	7,204.91	229.53	128.55	97.53	-754.90	9,541.27	2,806.45	2,453.48	352.98	7.951				
13,861.14	6,953.00	11,728.00	7,204.91	231.13	128.55	97.53	-754.90	9,541.27	2,805.79	2,451.86	353.93	7.928 CC				
13,900.00	6,953.00	11,728.00	7,204.91	232.15	128.55	97.53	-754.90	9,541.27	2,806.06	2,451.61	354.45	7.917 ES				
14,000.00	6,953.00	11,728.00	7,204.91	234.77	128.55	97.53	-754.90	9,541.27	2,809.22	2,453.74	355.49	7.902 SF				
14,100.00	6,953.00	11,728.00	7,204.91	237.39	128.55	97.53	-754.90	9,541.27	2,815.94	2,459.85	356.09	7.908				
14,200.00	6,953.00	11,728.00	7,204.91	240.01	128.55	97.53	-754.90	9,541.27	2,826.18	2,469.91	356.27	7.933				
14,300.00	6,953.00	11,728.00	7,204.91	242.64	128.55	97.53	-754.90	9,541.27	2,839.90	2,483.88	356.02	7.977				
14,400.00	6,953.00	11,728.00	7,204.91	245.27	128.55	97.53	-754.90	9,541.27	2,857.07	2,501.70	355.37	8.040				

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-20-01
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-20-01	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		
14,500.00	6,953.00	11,728.00	7,204.91	247.90	128.55	97.53	-754.90	9,541.27	2,877.60	2,523.27	354.33	8.121		
14,600.00	6,953.00	11,728.00	7,204.91	250.53	128.55	97.53	-754.90	9,541.27	2,901.44	2,548.53	352.92	8.221		
14,700.00	6,953.00	11,728.00	7,204.91	253.16	128.55	97.53	-754.90	9,541.27	2,928.50	2,577.35	351.16	8.340		
14,800.00	6,953.00	11,728.00	7,204.91	255.80	128.55	97.53	-754.90	9,541.27	2,958.70	2,609.62	349.08	8.476		
14,900.00	6,953.00	11,728.00	7,204.91	258.43	128.55	97.53	-754.90	9,541.27	2,991.94	2,645.23	346.71	8.630		
15,000.00	6,953.00	11,728.00	7,204.91	261.07	128.55	97.53	-754.90	9,541.27	3,028.11	2,684.04	344.07	8.801		
15,100.00	6,953.00	11,728.00	7,204.91	263.71	128.55	97.53	-754.90	9,541.27	3,067.12	2,725.93	341.19	8.989		
15,200.00	6,953.00	11,728.00	7,204.91	266.36	128.55	97.53	-754.90	9,541.27	3,108.86	2,770.75	338.11	9.195		
15,300.00	6,953.00	11,728.00	7,204.91	269.00	128.55	97.53	-754.90	9,541.27	3,153.22	2,818.37	334.84	9.417		
15,400.00	6,953.00	11,728.00	7,204.91	271.65	128.55	97.53	-754.90	9,541.27	3,200.08	2,868.66	331.43	9.656		
15,500.00	6,953.00	11,728.00	7,204.91	274.29	128.55	97.53	-754.90	9,541.27	3,249.36	2,921.48	327.88	9.910		
15,600.00	6,953.00	11,728.00	7,204.91	276.94	128.55	97.53	-754.90	9,541.27	3,300.92	2,976.70	324.22	10.181		
15,700.00	6,953.00	11,728.00	7,204.91	279.59	128.55	97.53	-754.90	9,541.27	3,354.68	3,034.19	320.49	10.467		
15,800.00	6,953.00	11,728.00	7,204.91	282.24	128.55	97.53	-754.90	9,541.27	3,410.52	3,093.83	316.69	10.769		
15,900.00	6,953.00	11,728.00	7,204.91	284.90	128.55	97.53	-754.90	9,541.27	3,468.34	3,155.49	312.85	11.086		
16,000.00	6,953.00	11,728.00	7,204.91	287.55	128.55	97.53	-754.90	9,541.27	3,528.06	3,219.07	308.98	11.418		
16,100.00	6,953.00	11,728.00	7,204.91	290.20	128.55	97.53	-754.90	9,541.27	3,589.56	3,284.46	305.10	11.765		
16,200.00	6,953.00	11,728.00	7,204.91	292.86	128.55	97.53	-754.90	9,541.27	3,652.77	3,351.54	301.23	12.126		
16,300.00	6,953.00	11,728.00	7,204.91	295.52	128.55	97.53	-754.90	9,541.27	3,717.59	3,420.22	297.37	12.502		
16,400.00	6,953.00	11,728.00	7,204.91	298.18	128.55	97.53	-754.90	9,541.27	3,783.95	3,490.42	293.53	12.891		
16,500.00	6,953.00	11,728.00	7,204.91	300.84	128.55	97.53	-754.90	9,541.27	3,851.76	3,562.03	289.73	13.294		
16,600.00	6,953.00	11,728.00	7,204.91	303.50	128.55	97.53	-754.90	9,541.27	3,920.94	3,634.97	285.97	13.711		
16,700.00	6,953.00	11,728.00	7,204.91	306.16	128.55	97.53	-754.90	9,541.27	3,991.44	3,709.17	282.26	14.141		
16,800.00	6,953.00	11,728.00	7,204.91	308.82	128.55	97.53	-754.90	9,541.27	4,063.17	3,784.56	278.61	14.584		
16,900.00	6,953.00	11,728.00	7,204.91	311.49	128.55	97.53	-754.90	9,541.27	4,136.08	3,861.06	275.02	15.039		
17,000.00	6,953.00	11,728.00	7,204.91	314.15	128.55	97.53	-754.90	9,541.27	4,210.09	3,938.61	271.48	15.508		
17,100.00	6,953.00	11,728.00	7,204.91	316.82	128.55	97.53	-754.90	9,541.27	4,285.17	4,017.15	268.02	15.988		
17,200.00	6,953.00	11,728.00	7,204.91	319.48	128.55	97.53	-754.90	9,541.27	4,361.24	4,096.62	264.62	16.481		
17,300.00	6,953.00	11,728.00	7,204.91	322.15	128.55	97.53	-754.90	9,541.27	4,438.27	4,176.97	261.30	16.986		
17,400.00	6,953.00	11,728.00	7,204.91	324.82	128.55	97.53	-754.90	9,541.27	4,516.19	4,258.15	258.04	17.502		
17,500.00	6,953.00	11,728.00	7,204.91	327.49	128.55	97.53	-754.90	9,541.27	4,594.97	4,340.11	254.86	18.030		
17,600.00	6,953.00	11,728.00	7,204.91	330.16	128.55	97.53	-754.90	9,541.27	4,674.56	4,422.81	251.75	18.568		
17,700.00	6,953.00	11,728.00	7,204.91	332.83	128.55	97.53	-754.90	9,541.27	4,754.92	4,506.21	248.71	19.118		
17,800.00	6,953.00	11,728.00	7,204.91	335.50	128.55	97.53	-754.90	9,541.27	4,836.02	4,590.27	245.74	19.679		
17,900.00	6,953.00	11,728.00	7,204.91	338.17	128.55	97.53	-754.90	9,541.27	4,917.81	4,674.96	242.85	20.250		
18,000.00	6,953.00	11,728.00	7,204.91	340.85	128.55	97.53	-754.90	9,541.27	5,000.26	4,760.23	240.03	20.832		
18,100.00	6,953.00	11,728.00	7,204.91	343.52	128.55	97.53	-754.90	9,541.27	5,083.34	4,846.07	237.28	21.424		
18,200.00	6,953.00	11,728.00	7,204.91	346.19	128.55	97.53	-754.90	9,541.27	5,167.03	4,932.43	234.59	22.026		
18,300.00	6,953.00	11,728.00	7,204.91	348.87	128.55	97.53	-754.90	9,541.27	5,251.28	5,019.30	231.98	22.637		
18,400.00	6,953.00	11,728.00	7,204.91	351.55	128.55	97.53	-754.90	9,541.27	5,336.08	5,106.65	229.43	23.258		
18,500.00	6,953.00	11,728.00	7,204.91	354.22	128.55	97.53	-754.90	9,541.27	5,421.39	5,194.44	226.95	23.888		
18,600.00	6,953.00	11,728.00	7,204.91	356.90	128.55	97.53	-754.90	9,541.27	5,507.20	5,282.67	224.53	24.528		
18,700.00	6,953.00	11,728.00	7,204.91	359.58	128.55	97.53	-754.90	9,541.27	5,593.48	5,371.31	222.17	25.176		
18,800.00	6,953.00	11,728.00	7,204.91	362.26	128.55	97.53	-754.90	9,541.27	5,680.21	5,460.33	219.88	25.834		
18,900.00	6,953.00	11,728.00	7,204.91	364.94	128.55	97.53	-754.90	9,541.27	5,767.37	5,549.73	217.64	26.500		
19,000.00	6,953.00	11,728.00	7,204.91	367.62	128.55	97.53	-754.90	9,541.27	5,854.94	5,639.48	215.46	27.174		
19,073.74	6,953.00	11,728.00	7,204.91	369.59	128.55	97.53	-754.90	9,541.27	5,919.77	5,705.88	213.89	27.676		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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	91.34	-115.73	4,962.89	4,964.26	4,963.99	0.27	N/A		
200.00	199.98	70.44	70.44	0.63	0.11	27.92	-115.86	4,962.98	4,962.81	4,962.07	0.74	6,716.794		
300.00	299.84	154.20	154.20	0.99	0.25	27.99	-116.33	4,963.33	4,958.62	4,957.38	1.24	4,012.539		
400.00	399.45	441.85	441.71	1.36	1.20	28.28	-122.72	4,959.99	4,950.19	4,947.63	2.56	1,931.151		
500.00	498.70	554.27	553.83	1.76	1.62	28.58	-129.72	4,955.95	4,936.03	4,932.68	3.35	1,472.425		
600.00	597.47	726.94	725.39	2.18	2.30	29.12	-147.48	4,947.87	4,917.84	4,913.43	4.41	1,115.574		
700.00	695.62	787.11	785.14	2.63	2.54	29.47	-153.83	4,944.80	4,896.50	4,891.47	5.03	972.744		
800.00	793.06	844.00	841.69	3.11	2.77	29.86	-159.60	4,942.55	4,873.23	4,867.57	5.66	861.238		
900.00	889.64	917.34	914.58	3.64	3.06	30.34	-167.39	4,940.08	4,847.73	4,841.36	6.37	761.413		
1,000.00	985.27	1,103.49	1,099.16	4.22	3.83	31.27	-189.99	4,931.87	4,818.58	4,811.02	7.56	637.331		
1,100.00	1,079.82	1,230.44	1,225.12	4.84	4.36	32.09	-203.99	4,924.60	4,785.49	4,776.96	8.53	561.298		
1,200.00	1,173.17	1,301.94	1,296.18	5.52	4.65	32.77	-210.79	4,920.47	4,749.65	4,740.37	9.28	511.718		
1,300.00	1,265.21	1,367.20	1,361.07	6.26	4.91	33.48	-216.82	4,916.95	4,711.59	4,701.55	10.04	469.308		
1,400.00	1,355.84	1,411.00	1,404.61	7.06	5.09	34.16	-221.05	4,914.77	4,671.53	4,660.79	10.74	434.863		
1,500.00	1,444.94	1,479.39	1,472.57	7.92	5.37	35.02	-228.12	4,911.77	4,629.52	4,617.94	11.58	399.883		
1,600.00	1,532.39	1,548.23	1,540.93	8.84	5.65	35.95	-235.74	4,909.20	4,585.72	4,573.27	12.45	368.355		
1,700.00	1,618.11	1,617.43	1,609.69	9.83	5.93	36.97	-243.10	4,906.69	4,539.75	4,526.39	13.36	339.810		
1,800.00	1,701.97	1,682.00	1,673.88	10.89	6.19	38.03	-249.81	4,904.74	4,492.04	4,477.75	14.29	314.314		
1,900.00	1,783.88	1,733.77	1,725.36	12.02	6.40	39.09	-255.15	4,903.41	4,442.59	4,427.37	15.22	291.939		
1,991.28	1,856.86	1,792.97	1,784.24	13.11	6.64	40.21	-261.23	4,902.02	4,395.92	4,379.77	16.15	272.190		
2,000.00	1,863.75	1,798.65	1,789.88	13.21	6.66	40.25	-261.81	4,901.90	4,391.39	4,375.15	16.24	270.345		
2,100.00	1,942.74	1,868.00	1,858.87	14.45	6.94	40.77	-268.73	4,900.46	4,339.80	4,322.49	17.31	250.638		
2,200.00	2,021.72	1,995.03	1,985.36	15.69	7.44	41.73	-279.86	4,897.14	4,288.03	4,269.41	18.62	230.297		
2,300.00	2,100.71	2,142.67	2,132.48	16.95	8.01	42.86	-291.09	4,891.99	4,236.20	4,216.19	20.01	211.699		
2,400.00	2,179.70	2,240.61	2,229.91	18.21	8.40	43.65	-299.70	4,886.89	4,183.39	4,162.13	21.26	196.759		
2,500.00	2,258.69	2,318.07	2,306.94	19.47	8.72	44.29	-306.66	4,882.59	4,130.82	4,108.36	22.47	183.859		
2,600.00	2,337.68	2,384.14	2,372.63	20.74	8.98	44.85	-312.65	4,878.92	4,078.72	4,055.06	23.66	172.392		
2,700.00	2,416.66	2,449.92	2,438.03	22.02	9.25	45.42	-318.71	4,875.40	4,027.28	4,002.41	24.88	161.885		
2,800.00	2,495.65	2,525.28	2,512.98	23.29	9.55	46.08	-325.55	4,871.42	3,976.37	3,950.22	26.16	152.030		
2,900.00	2,574.64	2,590.06	2,577.43	24.57	9.81	46.65	-331.15	4,868.11	3,926.04	3,898.62	27.42	143.196		
3,000.00	2,653.63	2,657.33	2,644.39	25.85	10.08	47.26	-336.76	4,864.85	3,876.39	3,847.68	28.71	134.998		
3,100.00	2,732.62	2,715.00	2,701.74	27.14	10.31	47.79	-342.13	4,862.01	3,827.41	3,797.41	30.01	127.552		
3,200.00	2,811.61	2,781.60	2,767.96	28.42	10.58	48.41	-348.51	4,858.88	3,779.23	3,747.87	31.36	120.511		
3,300.00	2,890.59	2,845.31	2,831.35	29.71	10.83	49.02	-354.30	4,856.24	3,731.95	3,699.23	32.73	114.038		
3,400.00	2,969.58	2,905.00	2,890.77	31.00	11.07	49.58	-359.51	4,853.92	3,685.43	3,651.33	34.10	108.077		
3,500.00	3,048.57	2,965.40	2,950.87	32.29	11.31	50.17	-364.98	4,851.75	3,639.84	3,604.34	35.51	102.516		
3,600.00	3,127.56	3,022.73	3,007.90	33.58	11.54	50.74	-370.63	4,849.92	3,595.35	3,558.42	36.93	97.366		
3,700.00	3,206.55	3,093.00	3,077.86	34.87	11.81	51.44	-376.95	4,848.10	3,551.80	3,513.39	38.42	92.454		
3,800.00	3,285.53	3,187.14	3,171.64	36.16	12.18	52.38	-384.83	4,845.65	3,508.82	3,468.81	40.01	87.689		
3,900.00	3,364.52	3,322.50	3,306.48	37.45	12.71	53.77	-395.48	4,840.54	3,465.58	3,423.80	41.78	82.951		
4,000.00	3,443.51	3,391.94	3,375.63	38.74	12.98	54.50	-400.86	4,837.40	3,422.57	3,379.23	43.34	78.966		
4,100.00	3,522.50	3,601.72	3,584.38	40.04	13.81	56.80	-416.30	4,823.76	3,378.84	3,333.44	45.39	74.437		
4,200.00	3,601.49	3,644.15	3,626.51	41.33	13.98	57.29	-419.96	4,820.21	3,335.00	3,288.06	46.95	71.038		
4,300.00	3,680.47	3,703.61	3,685.48	42.63	14.22	57.99	-425.71	4,815.25	3,292.46	3,243.87	48.59	67.763		
4,400.00	3,759.46	3,775.00	3,756.33	43.92	14.52	58.84	-432.26	4,809.43	3,250.87	3,200.57	50.30	64.632		
4,500.00	3,838.45	3,828.95	3,809.90	45.22	14.74	59.49	-437.11	4,805.25	3,210.47	3,158.50	51.97	61.775		
4,600.00	3,917.44	3,870.00	3,850.65	46.51	14.91	59.99	-441.05	4,802.25	3,171.63	3,118.01	53.62	59.150		
4,700.00	3,996.43	3,911.04	3,891.42	47.81	15.07	60.49	-445.02	4,799.68	3,134.55	3,079.26	55.29	56.698		
4,800.00	4,075.42	3,965.00	3,945.09	49.10	15.29	61.15	-450.06	4,797.37	3,099.52	3,042.51	57.01	54.364		
4,900.00	4,154.40	3,995.18	3,975.12	50.40	15.41	61.52	-452.92	4,796.41	3,066.20	3,007.54	58.66	52.269		
5,000.00	4,233.39	4,058.00	4,037.56	51.70	15.67	62.30	-459.47	4,794.36	3,034.57	2,974.11	60.46	50.189		
5,100.00	4,312.38	4,125.31	4,104.46	52.99	15.94	63.15	-466.62	4,792.32	3,004.34	2,942.04	62.30	48.223		

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-20-01
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-20-01	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	4,391.37	4,192.29	4,171.07	54.29	16.21	63.99	-473.39	4,790.56	2,975.38	2,911.23	64.15	46.382		
5,300.00	4,470.36	4,257.50	4,235.85	55.59	16.47	64.83	-480.66	4,788.69	2,947.93	2,881.92	66.01	44.659		
5,400.00	4,549.34	4,338.60	4,316.42	56.89	16.80	65.89	-489.62	4,786.39	2,921.77	2,853.81	67.96	42.993		
5,500.00	4,628.33	4,417.47	4,394.83	58.18	17.12	66.92	-497.88	4,784.29	2,896.77	2,826.87	69.90	41.441		
5,600.00	4,707.32	4,493.20	4,470.13	59.48	17.43	67.92	-505.65	4,782.28	2,873.04	2,801.20	71.84	39.994		
5,700.00	4,786.31	4,574.87	4,551.34	60.78	17.76	69.00	-514.02	4,780.02	2,850.61	2,776.81	73.81	38.623		
5,800.00	4,865.30	4,657.10	4,633.14	62.08	18.08	70.11	-522.05	4,777.68	2,829.32	2,753.54	75.78	37.337		
5,900.00	4,944.28	4,737.49	4,713.06	63.38	18.48	71.46	-531.29	4,774.92	2,809.29	2,731.46	77.83	36.095		
6,000.00	5,023.27	4,862.11	4,837.15	64.68	18.90	72.90	-540.66	4,770.08	2,789.41	2,709.50	79.91	34.908		
6,100.00	5,102.26	4,943.05	4,917.71	65.97	19.22	74.02	-547.61	4,766.28	2,770.92	2,689.04	81.87	33.844		
6,200.00	5,181.25	5,032.99	5,007.17	67.27	19.58	75.29	-555.38	4,761.32	2,753.56	2,669.68	83.88	32.829		
6,300.00	5,260.24	5,107.95	5,081.78	68.57	19.88	76.35	-561.38	4,757.21	2,737.47	2,651.67	85.80	31.906		
6,400.00	5,339.23	5,158.70	5,132.30	69.87	20.08	77.07	-565.50	4,754.76	2,723.35	2,635.76	87.59	31.092		
6,500.00	5,418.21	5,227.94	5,201.23	71.17	20.35	78.05	-571.33	4,751.92	2,711.35	2,621.91	89.44	30.314		
6,600.00	5,497.20	5,308.37	5,281.38	72.47	20.67	79.18	-577.50	4,748.94	2,700.72	2,609.40	91.32	29.574		
6,700.00	5,576.19	5,376.00	5,348.75	73.77	20.93	80.14	-582.80	4,746.48	2,691.83	2,598.71	93.11	28.909		
6,800.00	5,655.18	5,439.39	5,411.87	75.07	21.18	81.04	-588.14	4,744.02	2,684.81	2,589.95	94.86	28.302		
6,900.00	5,734.17	5,512.36	5,484.48	76.37	21.47	82.09	-594.69	4,740.93	2,679.65	2,583.02	96.63	27.732		
7,000.00	5,813.15	5,584.08	5,555.88	77.67	21.75	83.12	-600.85	4,738.16	2,676.09	2,577.75	98.35	27.210		
7,100.00	5,892.14	5,642.12	5,613.66	78.97	21.98	83.95	-605.93	4,736.27	2,674.54	2,574.59	99.95	26.758		
7,123.50	5,910.70	5,656.00	5,627.48	79.27	22.04	84.15	-607.18	4,735.87	2,674.49	2,574.16	100.33	26.658		
7,200.00	5,971.13	5,718.16	5,689.38	80.27	22.28	85.03	-612.64	4,734.24	2,674.92	2,573.31	101.62	26.324		
7,300.00	6,050.12	5,804.69	5,775.59	81.57	22.62	86.25	-619.78	4,732.27	2,676.72	2,573.43	103.29	25.914		
7,400.00	6,129.11	5,942.12	5,912.68	82.86	23.14	88.17	-629.04	4,729.67	2,679.39	2,574.21	105.18	25.475		
7,500.00	6,208.09	6,024.54	5,994.99	84.16	23.43	89.30	-633.01	4,728.55	2,682.35	2,575.62	106.74	25.131		
7,600.00	6,287.08	6,099.05	6,069.41	85.46	23.71	90.32	-636.63	4,727.28	2,686.76	2,578.55	108.22	24.827		
7,700.00	6,366.07	6,199.98	6,170.21	86.76	24.07	91.70	-641.30	4,725.52	2,692.56	2,582.79	109.78	24.528		
7,800.00	6,445.06	6,276.54	6,246.72	88.06	24.34	92.73	-643.98	4,724.74	2,699.24	2,588.06	111.18	24.279		
7,900.00	6,524.05	6,317.00	6,287.15	89.36	24.48	93.26	-645.43	4,724.59	2,707.81	2,595.45	112.36	24.100		
8,000.00	6,603.03	6,354.57	6,324.67	90.66	24.61	93.75	-647.00	4,725.42	2,718.94	2,605.49	113.44	23.967		
8,100.00	6,682.02	6,411.00	6,380.82	91.96	24.80	94.43	-650.14	4,729.96	2,733.32	2,618.74	114.59	23.853		
8,133.44	6,708.44	6,411.00	6,380.82	92.40	24.80	94.43	-650.14	4,729.96	2,738.38	2,623.54	114.84	23.845		
8,150.00	6,721.39	6,411.00	6,380.82	92.62	24.80	93.10	-650.14	4,729.96	2,740.91	2,625.95	114.96	23.842		
8,200.00	6,758.90	6,411.00	6,380.82	93.34	24.80	89.66	-650.14	4,729.96	2,747.80	2,632.44	115.36	23.820		
8,250.00	6,793.76	6,411.00	6,380.82	94.13	24.80	86.91	-650.14	4,729.96	2,753.50	2,637.70	115.80	23.778		
8,300.00	6,825.72	6,411.00	6,380.82	95.00	24.80	84.74	-650.14	4,729.96	2,757.96	2,641.68	116.28	23.718		
8,350.00	6,854.52	6,451.98	6,421.25	95.93	24.92	83.69	-652.90	4,736.06	2,760.37	2,643.22	117.15	23.562		
8,400.00	6,879.97	6,464.46	6,433.46	96.92	24.95	82.63	-653.80	4,738.45	2,761.77	2,643.93	117.84	23.437		
8,450.00	6,901.84	6,476.36	6,445.06	97.95	24.99	81.93	-654.67	4,740.97	2,761.80	2,643.25	118.55	23.296		
8,500.00	6,920.00	6,506.00	6,473.70	99.02	25.08	81.87	-656.95	4,748.22	2,760.64	2,641.17	119.48	23.106		
8,550.00	6,934.28	6,506.00	6,473.70	100.12	25.08	81.60	-656.95	4,748.22	2,757.91	2,637.78	120.13	22.957		
8,600.00	6,944.59	6,512.45	6,479.89	101.22	25.09	81.71	-657.45	4,749.96	2,754.02	2,633.16	120.86	22.786		
8,650.00	6,950.84	6,545.09	6,511.14	102.33	25.18	82.59	-659.85	4,759.10	2,748.84	2,626.97	121.86	22.557		
8,701.16	6,953.00	6,638.25	6,600.23	103.44	25.42	84.99	-665.07	4,785.66	2,742.05	2,618.60	123.46	22.211		
8,800.00	6,953.00	6,686.00	6,646.26	105.59	25.55	85.96	-667.27	4,798.05	2,729.21	2,604.01	125.19	21.800		
8,900.00	6,953.00	6,686.00	6,646.26	107.79	25.55	85.96	-667.27	4,798.05	2,719.38	2,592.93	126.44	21.507		
9,000.00	6,953.00	6,686.00	6,646.26	110.02	25.55	85.96	-667.27	4,798.05	2,713.20	2,585.61	127.60	21.264		
9,100.00	6,953.00	6,686.00	6,646.26	112.26	25.55	85.96	-667.27	4,798.05	2,710.70	2,582.06	128.64	21.072		
9,200.00	6,953.00	7,108.85	6,910.82	114.52	25.98	91.57	-655.35	5,093.92	2,700.85	2,565.31	135.53	19.927		
9,300.00	6,953.00	7,157.00	6,918.68	116.80	26.00	91.74	-652.98	5,141.35	2,694.96	2,557.27	137.69	19.572		
9,400.00	6,953.00	7,157.00	6,918.68	119.10	26.00	91.74	-652.98	5,141.35	2,690.84	2,551.93	138.92	19.370		
9,500.00	6,953.00	7,222.06	6,923.91	121.42	26.42	91.85	-652.16	5,206.17	2,689.48	2,548.01	141.47	19.011		

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-20-01
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-20-01	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		
9,600.00	6,953.00	7,322.40	6,926.60	123.75	27.51	91.91	-651.28	5,306.47	2,688.48	2,543.46	145.01	18.539		
9,700.00	6,953.00	7,517.48	6,923.35	126.10	30.18	91.84	-647.31	5,501.46	2,686.60	2,535.30	151.30	17.757		
9,800.00	6,953.00	7,592.53	6,921.01	128.46	31.38	91.80	-644.19	5,576.41	2,682.24	2,527.55	154.69	17.339		
9,900.00	6,953.00	7,713.64	6,920.24	130.84	33.47	91.78	-640.46	5,697.44	2,679.07	2,519.55	159.52	16.794		
10,000.00	6,953.00	7,838.77	6,923.24	133.23	35.82	91.85	-634.27	5,822.39	2,673.93	2,509.27	164.66	16.239		
10,100.00	6,953.00	7,918.65	6,924.78	135.63	37.39	91.89	-630.47	5,902.16	2,669.02	2,500.49	168.53	15.837		
10,200.00	6,953.00	8,014.93	6,925.81	138.04	39.37	91.91	-626.29	5,998.34	2,664.51	2,491.51	173.00	15.402		
10,300.00	6,953.00	8,099.00	6,924.85	140.46	41.15	91.89	-622.96	6,082.34	2,660.31	2,483.18	177.14	15.018		
10,400.00	6,953.00	8,151.26	6,923.42	142.90	42.29	91.86	-621.55	6,134.55	2,657.34	2,477.08	180.26	14.742		
10,500.00	6,953.00	8,218.02	6,921.44	145.34	43.77	91.82	-621.07	6,201.28	2,656.19	2,472.33	183.86	14.446		
10,600.00	6,953.00	8,317.37	6,918.15	147.80	46.01	91.75	-620.12	6,300.57	2,654.93	2,466.27	188.66	14.073		
10,643.36	6,953.00	8,340.56	6,917.63	148.86	46.54	91.74	-620.10	6,323.76	2,654.76	2,464.73	190.03	13.970		
10,700.00	6,953.00	8,381.00	6,917.15	150.26	47.47	91.73	-620.47	6,364.20	2,655.08	2,462.89	192.19	13.815		
10,800.00	6,953.00	8,472.33	6,916.20	152.73	49.61	91.71	-621.72	6,455.51	2,656.18	2,459.41	196.77	13.499		
10,900.00	6,953.00	8,594.21	6,913.40	155.21	52.50	91.65	-622.55	6,577.36	2,656.56	2,454.02	202.54	13.116		
11,000.00	6,953.00	8,666.00	6,911.43	157.70	54.22	91.61	-622.95	6,649.12	2,656.93	2,450.48	206.45	12.870		
11,100.00	6,953.00	8,734.96	6,909.59	160.20	55.90	91.57	-624.10	6,718.04	2,658.43	2,448.17	210.25	12.644		
11,200.00	6,953.00	8,842.28	6,907.55	162.70	58.53	91.52	-627.16	6,825.30	2,661.05	2,445.46	215.58	12.344		
11,300.00	6,953.00	8,986.22	6,906.97	165.21	62.10	91.51	-629.11	6,969.22	2,662.13	2,439.77	222.36	11.972		
11,400.00	6,953.00	9,095.68	6,908.75	167.73	64.83	91.54	-629.50	7,078.66	2,662.31	2,434.50	227.82	11.686		
11,500.00	6,953.00	9,186.23	6,909.68	170.25	67.11	91.56	-629.79	7,169.21	2,662.46	2,429.89	232.57	11.448		
11,600.00	6,953.00	9,327.28	6,908.11	172.78	70.68	91.53	-630.27	7,310.25	2,662.75	2,423.47	239.28	11.128		
11,700.00	6,953.00	9,446.94	6,906.95	175.31	73.73	91.51	-628.20	7,429.87	2,660.69	2,415.52	245.17	10.853		
11,800.00	6,953.00	9,517.00	6,906.79	177.85	75.52	91.50	-627.83	7,499.94	2,659.78	2,410.58	249.21	10.673		
11,900.00	6,953.00	9,630.94	6,907.55	180.40	78.45	91.52	-627.47	7,613.87	2,659.33	2,404.41	254.92	10.432		
12,000.00	6,953.00	9,776.49	6,907.91	182.95	82.20	91.53	-624.96	7,759.40	2,657.49	2,395.69	261.80	10.151		
12,100.00	6,953.00	9,879.00	6,907.32	185.50	84.84	91.52	-621.64	7,861.85	2,654.02	2,386.92	267.10	9.936		
12,200.00	6,953.00	9,958.69	6,906.03	188.06	86.91	91.49	-619.44	7,941.50	2,651.07	2,379.50	271.57	9.762		
12,300.00	6,953.00	10,020.11	6,904.70	190.63	88.50	91.46	-618.61	8,002.90	2,649.47	2,374.13	275.34	9.623		
12,348.05	6,953.00	10,048.71	6,904.09	191.86	89.25	91.45	-618.55	8,031.49	2,649.24	2,372.14	277.10	9.561 CC		
12,400.00	6,953.00	10,087.18	6,903.33	193.20	90.25	91.43	-618.75	8,069.95	2,649.36	2,370.07	279.28	9.486		
12,500.00	6,953.00	10,185.83	6,902.21	195.77	92.83	91.41	-619.40	8,168.59	2,649.78	2,365.31	284.48	9.315		
12,600.00	6,953.00	10,285.04	6,902.10	198.35	95.43	91.41	-620.06	8,267.80	2,650.23	2,360.53	289.70	9.148		
12,700.00	6,953.00	10,377.25	6,901.19	200.93	97.86	91.39	-620.79	8,360.01	2,650.80	2,356.15	294.65	8.996		
12,800.00	6,953.00	10,458.90	6,900.57	203.51	100.01	91.37	-621.88	8,441.65	2,651.90	2,352.74	299.17	8.864		
12,900.00	6,953.00	10,544.00	6,899.40	206.10	102.25	91.35	-623.71	8,526.71	2,653.79	2,349.96	303.82	8.735		
13,000.00	6,953.00	10,654.16	6,897.69	208.69	105.16	91.31	-626.14	8,636.84	2,655.76	2,346.22	309.53	8.580		
13,100.00	6,953.00	10,754.72	6,897.56	211.29	107.82	91.31	-627.94	8,737.38	2,657.34	2,342.49	314.85	8.440		
13,200.00	6,953.00	10,844.22	6,899.00	213.88	110.19	91.34	-629.73	8,826.84	2,659.15	2,339.46	319.70	8.318		
13,300.00	6,953.00	10,937.33	6,900.35	216.48	112.66	91.36	-631.93	8,919.92	2,661.34	2,336.63	324.71	8.196		
13,400.00	6,953.00	11,037.99	6,902.63	219.09	115.34	91.41	-634.23	9,020.52	2,663.47	2,333.43	330.04	8.070		
13,500.00	6,953.00	11,110.00	6,904.59	221.69	117.25	91.45	-636.29	9,092.48	2,666.20	2,332.06	334.14	7.979		
13,600.00	6,953.00	11,198.13	6,905.94	224.30	119.60	91.48	-639.49	9,180.53	2,669.67	2,330.74	338.93	7.877		
13,700.00	6,953.00	11,272.04	6,905.91	226.92	121.57	91.48	-642.75	9,254.37	2,673.87	2,330.80	343.08	7.794		
13,800.00	6,953.00	11,359.62	6,905.01	229.53	123.91	91.46	-647.39	9,341.83	2,678.92	2,331.09	347.83	7.702		
13,900.00	6,953.00	11,473.83	6,901.87	232.15	126.96	91.39	-653.43	9,455.83	2,683.94	2,330.13	353.81	7.586		
14,000.00	6,953.00	11,559.00	6,897.87	234.77	129.23	91.30	-657.56	9,540.81	2,688.53	2,330.07	358.46	7.500 ES, SF		
14,100.00	6,953.00	11,559.00	6,897.87	237.39	129.23	91.30	-657.56	9,540.81	2,695.57	2,336.64	358.94	7.510		
14,200.00	6,953.00	11,559.00	6,897.87	240.01	129.23	91.30	-657.56	9,540.81	2,706.29	2,347.36	358.94	7.540		
14,300.00	6,953.00	11,559.00	6,897.87	242.64	129.23	91.30	-657.56	9,540.81	2,720.65	2,362.17	358.48	7.589		
14,400.00	6,953.00	11,559.00	6,897.87	245.27	129.23	91.30	-657.56	9,540.81	2,738.58	2,381.01	357.58	7.659		
14,500.00	6,953.00	11,559.00	6,897.87	247.90	129.23	91.30	-657.56	9,540.81	2,760.03	2,403.78	356.25	7.747		

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-20-01
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-20-01	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		
14,600.00	6,953.00	11,559.00	6,897.87	250.53	129.23	91.30	-657.56	9,540.81	2,784.90	2,430.37	354.52	7.855		
14,700.00	6,953.00	11,559.00	6,897.87	253.16	129.23	91.30	-657.56	9,540.81	2,813.10	2,460.68	352.43	7.982		
14,800.00	6,953.00	11,559.00	6,897.87	255.80	129.23	91.30	-657.56	9,540.81	2,844.55	2,494.56	349.99	8.127		
14,900.00	6,953.00	11,559.00	6,897.87	258.43	129.23	91.30	-657.56	9,540.81	2,879.13	2,531.88	347.25	8.291		
15,000.00	6,953.00	11,559.00	6,897.87	261.07	129.23	91.30	-657.56	9,540.81	2,916.72	2,572.49	344.23	8.473		
15,100.00	6,953.00	11,559.00	6,897.87	263.71	129.23	91.30	-657.56	9,540.81	2,957.22	2,616.26	340.97	8.673		
15,200.00	6,953.00	11,559.00	6,897.87	266.36	129.23	91.30	-657.56	9,540.81	3,000.51	2,663.01	337.50	8.890		
15,300.00	6,953.00	11,559.00	6,897.87	269.00	129.23	91.30	-657.56	9,540.81	3,046.47	2,712.62	333.85	9.125		
15,400.00	6,953.00	11,559.00	6,897.87	271.65	129.23	91.30	-657.56	9,540.81	3,094.98	2,764.93	330.05	9.377		
15,500.00	6,953.00	11,559.00	6,897.87	274.29	129.23	91.30	-657.56	9,540.81	3,145.92	2,819.78	326.14	9.646		
15,600.00	6,953.00	11,559.00	6,897.87	276.94	129.23	91.30	-657.56	9,540.81	3,199.17	2,877.05	322.13	9.931		
15,700.00	6,953.00	11,559.00	6,897.87	279.59	129.23	91.30	-657.56	9,540.81	3,254.63	2,936.58	318.04	10.233		
15,800.00	6,953.00	11,559.00	6,897.87	282.24	129.23	91.30	-657.56	9,540.81	3,312.18	2,998.26	313.92	10.551		
15,900.00	6,953.00	11,559.00	6,897.87	284.90	129.23	91.30	-657.56	9,540.81	3,371.71	3,061.95	309.76	10.885		
16,000.00	6,953.00	11,559.00	6,897.87	287.55	129.23	91.30	-657.56	9,540.81	3,433.12	3,127.53	305.59	11.234		
16,100.00	6,953.00	11,559.00	6,897.87	290.20	129.23	91.30	-657.56	9,540.81	3,496.32	3,194.88	301.43	11.599		
16,200.00	6,953.00	11,559.00	6,897.87	292.86	129.23	91.30	-657.56	9,540.81	3,561.20	3,263.90	297.29	11.979		
16,300.00	6,953.00	11,559.00	6,897.87	295.52	129.23	91.30	-657.56	9,540.81	3,627.68	3,334.49	293.18	12.373		
16,400.00	6,953.00	11,559.00	6,897.87	298.18	129.23	91.30	-657.56	9,540.81	3,695.66	3,406.55	289.12	12.783		
16,500.00	6,953.00	11,559.00	6,897.87	300.84	129.23	91.30	-657.56	9,540.81	3,765.08	3,479.98	285.10	13.206		
16,600.00	6,953.00	11,559.00	6,897.87	303.50	129.23	91.30	-657.56	9,540.81	3,835.85	3,554.71	281.14	13.644		
16,700.00	6,953.00	11,559.00	6,897.87	306.16	129.23	91.30	-657.56	9,540.81	3,907.90	3,630.65	277.25	14.095		
16,800.00	6,953.00	11,559.00	6,897.87	308.82	129.23	91.30	-657.56	9,540.81	3,981.15	3,707.73	273.42	14.561		
16,900.00	6,953.00	11,559.00	6,897.87	311.49	129.23	91.30	-657.56	9,540.81	4,055.55	3,785.88	269.67	15.039		
17,000.00	6,953.00	11,559.00	6,897.87	314.15	129.23	91.30	-657.56	9,540.81	4,131.02	3,865.04	265.99	15.531		
17,100.00	6,953.00	11,559.00	6,897.87	316.82	129.23	91.30	-657.56	9,540.81	4,207.53	3,945.14	262.39	16.035		
17,200.00	6,953.00	11,559.00	6,897.87	319.48	129.23	91.30	-657.56	9,540.81	4,284.99	4,026.12	258.87	16.553		
17,300.00	6,953.00	11,559.00	6,897.87	322.15	129.23	91.30	-657.56	9,540.81	4,363.38	4,107.95	255.43	17.082		
17,400.00	6,953.00	11,559.00	6,897.87	324.82	129.23	91.30	-657.56	9,540.81	4,442.63	4,190.56	252.08	17.624		
17,500.00	6,953.00	11,559.00	6,897.87	327.49	129.23	91.30	-657.56	9,540.81	4,522.71	4,273.91	248.80	18.178		
17,600.00	6,953.00	11,559.00	6,897.87	330.16	129.23	91.30	-657.56	9,540.81	4,603.56	4,357.96	245.61	18.744		
17,700.00	6,953.00	11,559.00	6,897.87	332.83	129.23	91.30	-657.56	9,540.81	4,685.16	4,442.66	242.49	19.321		
17,800.00	6,953.00	11,559.00	6,897.87	335.50	129.23	91.30	-657.56	9,540.81	4,767.45	4,527.99	239.46	19.909		
17,900.00	6,953.00	11,559.00	6,897.87	338.17	129.23	91.30	-657.56	9,540.81	4,850.41	4,613.91	236.51	20.509		
18,000.00	6,953.00	11,559.00	6,897.87	340.85	129.23	91.30	-657.56	9,540.81	4,934.01	4,700.38	233.63	21.119		
18,100.00	6,953.00	11,559.00	6,897.87	343.52	129.23	91.30	-657.56	9,540.81	5,018.20	4,787.37	230.83	21.740		
18,200.00	6,953.00	11,559.00	6,897.87	346.19	129.23	91.30	-657.56	9,540.81	5,102.96	4,874.86	228.10	22.371		
18,300.00	6,953.00	11,559.00	6,897.87	348.87	129.23	91.30	-657.56	9,540.81	5,188.27	4,962.82	225.45	23.013		
18,400.00	6,953.00	11,559.00	6,897.87	351.55	129.23	91.30	-657.56	9,540.81	5,274.09	5,051.22	222.87	23.664		
18,500.00	6,953.00	11,559.00	6,897.87	354.22	129.23	91.30	-657.56	9,540.81	5,360.40	5,140.05	220.36	24.326		
18,600.00	6,953.00	11,559.00	6,897.87	356.90	129.23	91.30	-657.56	9,540.81	5,447.19	5,229.27	217.92	24.997		
18,700.00	6,953.00	11,559.00	6,897.87	359.58	129.23	91.30	-657.56	9,540.81	5,534.42	5,318.88	215.54	25.677		
18,800.00	6,953.00	11,559.00	6,897.87	362.26	129.23	91.30	-657.56	9,540.81	5,622.07	5,408.84	213.23	26.367		
18,900.00	6,953.00	11,559.00	6,897.87	364.94	129.23	91.30	-657.56	9,540.81	5,710.13	5,499.15	210.98	27.065		
19,000.00	6,953.00	11,559.00	6,897.87	367.62	129.23	91.30	-657.56	9,540.81	5,798.57	5,589.79	208.79	27.773		
19,073.74	6,953.00	11,559.00	6,897.87	369.59	129.23	91.30	-657.56	9,540.81	5,864.04	5,656.82	207.21	28.300		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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)	Offset Wellbore 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	91.80	-155.86	4,962.89	4,965.37	4,965.10	0.27	N/A		
200.00	199.98	84.15	84.15	0.63	0.13	28.38	-155.98	4,962.89	4,963.80	4,963.04	0.76	6,547.783		
300.00	299.84	188.74	188.74	0.99	0.35	28.46	-156.50	4,962.85	4,959.18	4,957.85	1.34	3,712.341		
400.00	399.45	363.47	363.40	1.36	0.98	28.68	-160.71	4,961.50	4,950.95	4,948.62	2.34	2,117.307		
500.00	498.70	617.00	615.16	1.76	1.98	29.31	-187.87	4,953.20	4,937.81	4,934.10	3.71	1,329.247		
600.00	597.47	673.81	671.11	2.18	2.23	29.65	-197.36	4,950.38	4,919.89	4,915.55	4.34	1,133.627		
700.00	695.62	750.00	746.26	2.63	2.56	30.09	-209.52	4,947.38	4,899.98	4,894.92	5.06	968.162		
800.00	793.06	813.94	809.38	3.11	2.84	30.53	-219.47	4,945.19	4,877.67	4,871.93	5.74	849.493		
900.00	889.64	907.90	902.10	3.64	3.26	31.12	-234.34	4,941.87	4,852.63	4,846.05	6.58	738.027		
1,000.00	985.27	1,014.99	1,007.73	4.22	3.74	31.84	-251.48	4,937.89	4,824.70	4,817.21	7.49	644.241		
1,100.00	1,079.82	1,111.38	1,102.78	4.84	4.18	32.59	-267.02	4,934.02	4,793.88	4,785.50	8.38	572.204		
1,200.00	1,173.17	1,188.00	1,178.36	5.52	4.52	33.31	-279.24	4,931.07	4,760.62	4,751.42	9.20	517.322		
1,300.00	1,265.21	1,261.69	1,251.09	6.26	4.86	34.09	-290.82	4,928.44	4,725.09	4,715.06	10.04	470.647		
1,400.00	1,355.84	1,337.72	1,326.15	7.06	5.20	34.94	-302.66	4,925.88	4,687.31	4,676.40	10.92	429.356		
1,500.00	1,444.94	1,412.37	1,399.87	7.92	5.53	35.85	-314.18	4,923.52	4,647.35	4,635.53	11.82	393.124		
1,600.00	1,532.39	1,654.45	1,639.01	8.84	6.62	37.88	-349.92	4,912.31	4,604.06	4,590.57	13.48	341.507		
1,700.00	1,618.11	1,709.20	1,693.01	9.83	6.86	38.90	-358.28	4,908.84	4,557.16	4,542.79	14.37	317.034		
1,800.00	1,701.97	1,762.92	1,746.03	10.89	7.11	39.98	-366.30	4,905.78	4,508.70	4,493.40	15.31	294.561		
1,900.00	1,783.88	1,839.29	1,821.48	12.02	7.45	41.31	-377.44	4,901.60	4,458.49	4,442.11	16.38	272.183		
1,991.28	1,856.86	1,905.84	1,887.19	13.11	7.75	42.60	-387.28	4,897.92	4,411.06	4,393.66	17.40	253.568		
2,000.00	1,863.75	1,912.04	1,893.30	13.21	7.78	42.65	-388.24	4,897.57	4,406.46	4,388.96	17.50	251.843		
2,100.00	1,942.74	1,972.56	1,952.95	14.45	8.05	43.17	-397.87	4,894.15	4,354.05	4,335.46	18.60	234.140		
2,200.00	2,021.72	2,025.84	2,005.51	15.69	8.30	43.64	-406.13	4,891.37	4,302.44	4,282.74	19.70	218.447		
2,300.00	2,100.71	2,101.49	2,080.23	16.95	8.64	44.30	-417.39	4,887.67	4,251.51	4,230.59	20.92	203.257		
2,400.00	2,179.70	2,166.08	2,144.06	18.21	8.92	44.87	-426.75	4,884.48	4,201.06	4,178.94	22.12	189.938		
2,500.00	2,258.69	2,226.00	2,203.26	19.47	9.19	45.40	-435.60	4,881.73	4,151.44	4,128.11	23.33	177.966		
2,600.00	2,337.68	2,276.78	2,253.43	20.74	9.42	45.87	-443.10	4,879.60	4,102.68	4,078.16	24.52	167.301		
2,700.00	2,416.66	2,335.20	2,311.20	22.02	9.68	46.40	-451.49	4,877.41	4,054.81	4,029.03	25.78	157.302		
2,800.00	2,495.65	2,413.35	2,388.43	23.29	10.03	47.13	-463.15	4,874.44	4,007.61	3,980.46	27.15	147.626		
2,900.00	2,574.64	2,475.75	2,450.01	24.57	10.31	47.73	-472.88	4,871.97	3,961.09	3,932.61	28.48	139.090		
3,000.00	2,653.63	2,536.14	2,509.64	25.85	10.58	48.31	-482.14	4,869.80	3,915.47	3,885.64	29.83	131.281		
3,100.00	2,732.62	2,596.75	2,569.59	27.14	10.85	48.89	-490.90	4,867.96	3,870.76	3,839.57	31.19	124.097		
3,200.00	2,811.61	2,643.71	2,616.09	28.42	11.05	49.35	-497.41	4,866.82	3,827.10	3,794.58	32.52	117.689		
3,300.00	2,890.59	2,703.00	2,674.74	29.71	11.31	49.93	-505.99	4,865.86	3,784.79	3,750.86	33.92	111.566		
3,400.00	2,969.58	2,750.26	2,721.45	31.00	11.52	50.40	-513.18	4,865.24	3,743.58	3,708.27	35.31	106.035		
3,500.00	3,048.57	2,880.78	2,850.20	32.29	12.11	51.75	-534.37	4,862.34	3,703.03	3,665.92	37.12	99.771		
3,600.00	3,127.56	2,975.98	2,944.09	33.58	12.55	52.76	-549.69	4,858.84	3,662.17	3,623.38	38.79	94.415		
3,700.00	3,206.55	3,067.21	3,034.13	34.87	12.96	53.74	-563.93	4,855.12	3,621.81	3,581.34	40.47	89.503		
3,800.00	3,285.53	3,154.73	3,120.49	36.16	13.36	54.69	-577.51	4,851.12	3,582.01	3,539.86	42.15	84.979		
3,900.00	3,364.52	3,237.49	3,202.31	37.45	13.73	55.60	-589.45	4,847.36	3,542.87	3,499.04	43.83	80.834		
4,000.00	3,443.51	3,313.60	3,277.58	38.74	14.07	56.44	-600.09	4,843.85	3,504.50	3,459.00	45.50	77.025		
4,100.00	3,522.50	3,426.44	3,389.26	40.04	14.55	57.71	-615.27	4,838.40	3,466.90	3,419.56	47.34	73.227		
4,200.00	3,601.49	3,498.21	3,460.53	41.33	14.85	58.50	-623.09	4,835.01	3,429.48	3,380.46	49.02	69.965		
4,300.00	3,680.47	3,545.00	3,506.93	42.63	15.05	59.03	-628.61	4,832.80	3,393.37	3,342.76	50.61	67.052		
4,400.00	3,759.46	3,595.83	3,557.24	43.92	15.27	59.62	-635.46	4,830.37	3,358.80	3,306.55	52.25	64.281		
4,500.00	3,838.45	3,638.00	3,598.84	45.22	15.46	60.13	-642.05	4,828.30	3,325.96	3,272.09	53.88	61.734		
4,600.00	3,917.44	3,684.70	3,644.81	46.51	15.68	60.70	-649.97	4,826.09	3,294.89	3,239.34	55.55	59.315		
4,700.00	3,996.43	3,732.00	3,691.32	47.81	15.91	61.28	-658.33	4,824.07	3,265.58	3,208.34	57.24	57.052		
4,800.00	4,075.42	3,841.17	3,798.66	49.10	16.42	62.65	-677.58	4,819.00	3,237.31	3,178.02	59.30	54.595		
4,900.00	4,154.40	3,915.22	3,871.59	50.40	16.77	63.58	-689.92	4,815.50	3,209.98	3,148.82	61.16	52.483		
5,000.00	4,233.39	3,976.96	3,932.49	51.70	17.05	64.35	-699.74	4,812.96	3,184.02	3,121.06	62.96	50.572		
5,100.00	4,312.38	4,038.45	3,993.20	52.99	17.33	65.12	-709.27	4,810.85	3,159.63	3,094.87	64.76	48.789		

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-20-01
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-20-01	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		
5,200.00	4,391.37	4,099.56	4,053.46	54.29	17.61	65.90	-719.23	4,808.63	3,136.84	3,070.27	66.57	47.120		
5,300.00	4,470.36	4,160.07	4,113.07	55.59	17.89	66.67	-729.37	4,806.49	3,115.70	3,047.32	68.38	45.565		
5,400.00	4,549.34	4,231.40	4,183.46	56.89	18.22	67.58	-740.77	4,804.68	3,096.20	3,025.95	70.25	44.075		
5,500.00	4,628.33	4,320.48	4,271.33	58.18	18.62	68.73	-755.09	4,801.80	3,077.80	3,005.57	72.23	42.613		
5,600.00	4,707.32	4,388.78	4,338.60	59.48	18.94	69.63	-766.57	4,799.02	3,060.78	2,986.69	74.09	41.312		
5,700.00	4,786.31	4,476.63	4,425.10	60.78	19.35	70.79	-781.39	4,795.14	3,045.17	2,969.09	76.07	40.030		
5,800.00	4,865.30	4,547.44	4,494.92	62.08	19.68	71.73	-792.83	4,792.17	3,030.86	2,952.93	77.93	38.890		
5,900.00	4,944.28	4,614.97	4,561.57	63.38	19.99	72.62	-803.46	4,789.71	3,018.19	2,938.43	79.76	37.840		
6,000.00	5,023.27	4,682.10	4,627.75	64.68	20.29	73.52	-814.39	4,787.05	3,007.21	2,925.63	81.58	36.864		
6,100.00	5,102.26	4,785.36	4,729.61	65.97	20.77	74.90	-830.78	4,782.68	2,997.49	2,913.89	83.61	35.853		
6,200.00	5,181.25	4,838.60	4,782.11	67.27	21.01	75.62	-839.25	4,780.33	2,989.29	2,903.99	85.30	35.044		
6,300.00	5,260.24	4,935.24	4,877.34	68.57	21.46	76.93	-854.99	4,775.56	2,982.80	2,895.55	87.26	34.184		
6,400.00	5,339.23	4,999.86	4,941.03	69.87	21.76	77.81	-865.26	4,771.81	2,977.35	2,888.36	88.99	33.458		
6,500.00	5,418.21	5,057.00	4,997.29	71.17	22.03	78.60	-874.76	4,768.77	2,974.13	2,883.50	90.64	32.813		
6,600.00	5,497.20	5,147.25	5,086.31	72.47	22.44	79.82	-889.04	4,764.82	2,972.63	2,880.16	92.47	32.146		
6,663.04	5,547.00	5,186.71	5,125.32	73.29	22.61	80.35	-894.82	4,763.38	2,972.24	2,878.75	93.49	31.791 CC		
6,700.00	5,576.19	5,208.37	5,146.72	73.77	22.71	80.64	-898.05	4,762.60	2,972.38	2,878.30	94.08	31.596		
6,800.00	5,655.18	5,300.92	5,238.18	75.07	23.12	81.87	-911.87	4,759.29	2,973.93	2,878.08	95.85	31.026		
6,900.00	5,734.17	5,386.78	5,323.18	76.37	23.50	83.01	-923.56	4,756.20	2,976.17	2,878.62	97.55	30.509		
7,000.00	5,813.15	5,461.21	5,396.86	77.67	23.82	84.00	-933.75	4,753.72	2,980.19	2,881.05	99.14	30.060		
7,100.00	5,892.14	5,590.95	5,525.14	78.97	24.39	85.75	-951.55	4,746.01	2,984.91	2,883.85	101.05	29.538		
7,200.00	5,971.13	5,706.65	5,639.90	80.27	24.88	87.28	-964.87	4,739.82	2,990.05	2,887.24	102.81	29.082		
7,300.00	6,050.12	5,796.86	5,729.58	81.57	25.24	88.46	-973.83	4,735.80	2,996.02	2,891.64	104.37	28.704		
7,400.00	6,129.11	5,931.08	5,863.30	82.86	25.75	90.16	-984.53	4,731.64	3,002.62	2,896.51	106.11	28.298		
7,500.00	6,208.09	6,027.03	5,959.07	84.16	26.09	91.34	-990.20	4,729.83	3,009.55	2,901.95	107.60	27.970		
7,600.00	6,287.08	6,215.77	6,147.66	85.46	26.71	93.60	-997.10	4,729.00	3,017.35	2,907.96	109.39	27.583		
7,700.00	6,366.07	6,313.68	6,245.55	86.76	27.01	94.76	-998.17	4,727.27	3,023.50	2,912.71	110.79	27.291		
7,800.00	6,445.06	6,370.11	6,301.96	88.06	27.19	95.43	-998.82	4,726.33	3,031.05	2,919.02	112.02	27.057		
7,900.00	6,524.05	6,418.18	6,350.03	89.36	27.33	95.99	-999.49	4,726.36	3,040.49	2,927.31	113.18	26.865		
8,000.00	6,603.03	6,479.00	6,410.69	90.66	27.50	96.64	-999.83	4,730.51	3,052.01	2,937.66	114.35	26.690		
8,100.00	6,682.02	6,518.31	6,449.60	91.96	27.59	97.00	-999.62	4,736.04	3,065.29	2,949.91	115.38	26.567		
8,133.44	6,708.44	6,537.05	6,468.00	92.40	27.63	97.16	-999.37	4,739.59	3,070.12	2,954.38	115.74	26.525		
8,150.00	6,721.39	6,546.49	6,477.22	92.62	27.65	95.93	-999.20	4,741.59	3,072.48	2,956.55	115.93	26.503		
8,200.00	6,758.90	6,575.92	6,505.75	93.34	27.72	92.79	-998.51	4,748.78	3,078.60	2,962.07	116.54	26.417		
8,250.00	6,793.76	6,621.51	6,549.33	94.13	27.80	90.55	-996.93	4,762.05	3,083.12	2,965.83	117.29	26.286		
8,300.00	6,825.72	6,667.92	6,592.92	95.00	27.88	88.96	-994.67	4,777.78	3,085.90	2,967.78	118.12	26.125		
8,350.00	6,854.52	6,692.00	6,615.21	95.93	27.92	87.66	-993.31	4,786.81	3,087.12	2,968.23	118.89	25.966		
8,400.00	6,879.97	6,715.08	6,636.34	96.92	27.95	86.80	-992.01	4,796.01	3,086.97	2,967.26	119.71	25.788		
8,450.00	6,901.84	6,737.62	6,656.74	97.95	27.98	86.30	-990.74	4,805.50	3,085.47	2,964.91	120.56	25.593		
8,500.00	6,920.00	6,763.00	6,679.43	99.02	28.02	86.18	-989.31	4,816.78	3,082.69	2,961.23	121.47	25.379		
8,550.00	6,934.28	6,763.00	6,679.43	100.12	28.02	86.03	-989.31	4,816.78	3,078.76	2,956.54	122.22	25.190		
8,600.00	6,944.59	6,763.00	6,679.43	101.22	28.02	86.12	-989.31	4,816.78	3,073.87	2,950.90	122.98	24.996		
8,650.00	6,950.84	6,794.93	6,707.44	102.33	28.06	86.95	-987.69	4,832.03	3,067.61	2,943.65	123.96	24.746		
8,701.16	6,953.00	6,804.97	6,716.10	103.44	28.08	87.71	-987.26	4,837.09	3,060.45	2,935.65	124.80	24.523		
8,800.00	6,953.00	6,824.38	6,732.63	105.59	28.10	88.02	-986.52	4,847.23	3,047.12	2,920.75	126.37	24.113		
8,900.00	6,953.00	6,858.00	6,760.58	107.79	28.15	88.55	-985.55	4,865.88	3,036.55	2,908.50	128.05	23.714		
9,000.00	6,953.00	6,878.07	6,776.77	110.02	28.17	88.86	-985.10	4,877.73	3,028.67	2,899.09	129.58	23.373		
9,100.00	6,953.00	7,016.64	6,876.07	112.26	28.30	90.74	-979.98	4,973.79	3,022.75	2,890.34	132.41	22.829		
9,200.00	6,953.00	7,107.84	6,932.95	114.52	28.34	91.83	-973.79	5,044.62	3,015.96	2,881.08	134.88	22.360		
9,300.00	6,953.00	7,140.00	6,949.73	116.80	28.36	92.15	-972.04	5,071.99	3,011.64	2,874.99	136.65	22.039		
9,400.00	6,953.00	7,184.39	6,970.43	119.10	28.38	92.54	-970.39	5,111.22	3,009.51	2,870.85	138.66	21.705		
9,450.16	6,953.00	7,204.94	6,979.15	120.26	28.39	92.71	-969.93	5,129.82	3,009.24	2,869.61	139.63	21.551		

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-20-01
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-20-01	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		
9,500.00	6,953.00	7,235.00	6,990.87	121.42	28.41	92.93	-969.62	5,157.49	3,009.53	2,868.76	140.77	21.379		
9,600.00	6,953.00	7,275.58	7,005.32	123.75	28.44	93.21	-969.73	5,195.42	3,011.43	2,868.65	142.78	21.091		
9,700.00	6,953.00	7,613.00	7,050.05	126.10	31.15	94.06	-965.02	5,527.07	3,011.30	2,859.48	151.83	19.834		
9,800.00	6,953.00	7,678.88	7,050.54	128.46	32.16	94.07	-962.56	5,592.90	3,007.26	2,852.27	154.99	19.402		
9,900.00	6,953.00	7,751.38	7,051.80	130.84	33.34	94.10	-960.14	5,665.35	3,003.88	2,845.48	158.40	18.964		
10,000.00	6,953.00	7,821.89	7,053.20	133.23	34.56	94.13	-958.56	5,735.82	3,001.56	2,839.74	161.82	18.549		
10,100.00	6,953.00	7,910.65	7,053.06	135.63	36.20	94.13	-957.42	5,824.58	3,000.03	2,834.19	165.85	18.089		
10,200.00	6,953.00	8,037.40	7,050.77	138.04	38.66	94.09	-955.34	5,951.28	2,998.05	2,826.92	171.13	17.519		
10,300.00	6,953.00	8,111.52	7,049.08	140.46	40.18	94.06	-954.00	6,025.38	2,995.93	2,821.02	174.91	17.128		
10,400.00	6,953.00	8,202.98	7,048.44	142.90	42.10	94.05	-953.29	6,116.83	2,994.87	2,815.59	179.28	16.705		
10,500.00	6,953.00	8,307.02	7,047.81	145.34	44.35	94.04	-952.01	6,220.86	2,993.38	2,809.25	184.13	16.257		
10,600.00	6,953.00	8,414.02	7,049.14	147.80	46.73	94.07	-950.62	6,327.84	2,991.97	2,802.83	189.13	15.819		
10,700.00	6,953.00	8,478.55	7,049.29	150.26	48.20	94.07	-950.04	6,392.36	2,990.90	2,798.12	192.78	15.515		
10,724.00	6,953.00	8,493.27	7,049.31	150.85	48.53	94.07	-950.03	6,407.08	2,990.84	2,797.21	193.63	15.446		
10,800.00	6,953.00	8,558.48	7,049.33	152.73	50.04	94.07	-950.30	6,472.29	2,990.98	2,794.02	196.96	15.185		
10,900.00	6,953.00	8,654.10	7,049.30	155.21	52.28	94.07	-950.77	6,567.91	2,991.26	2,789.54	201.72	14.829		
11,000.00	6,953.00	8,754.06	7,049.27	157.70	54.65	94.07	-951.44	6,667.87	2,991.71	2,785.04	206.67	14.476		
11,100.00	6,953.00	8,852.23	7,049.26	160.20	57.01	94.07	-952.03	6,766.04	2,992.11	2,780.52	211.59	14.141		
11,200.00	6,953.00	8,987.00	7,049.44	162.70	60.29	94.07	-952.17	6,900.80	2,992.02	2,774.19	217.83	13.735		
11,300.00	6,953.00	9,113.33	7,049.76	165.21	63.40	94.08	-951.05	7,027.13	2,990.96	2,767.16	223.80	13.364		
11,400.00	6,953.00	9,185.85	7,050.00	167.73	65.20	94.09	-950.16	7,099.64	2,989.62	2,761.72	227.91	13.118		
11,443.50	6,953.00	9,210.61	7,050.11	168.82	65.82	94.09	-950.11	7,124.40	2,989.47	2,760.02	229.45	13.029		
11,500.00	6,953.00	9,259.66	7,050.37	170.25	67.04	94.09	-950.34	7,173.45	2,989.61	2,757.56	232.06	12.883		
11,600.00	6,953.00	9,420.48	7,051.31	172.78	71.09	94.11	-949.52	7,334.27	2,989.02	2,749.69	239.33	12.489		
11,685.16	6,953.00	9,451.51	7,051.39	174.94	71.87	94.11	-949.43	7,365.30	2,988.37	2,746.60	241.77	12.360		
11,700.00	6,953.00	9,458.42	7,051.40	175.31	72.05	94.11	-949.45	7,372.20	2,988.39	2,746.14	242.25	12.336		
11,800.00	6,953.00	9,528.51	7,051.28	177.85	73.83	94.11	-950.48	7,442.28	2,989.48	2,743.20	246.28	12.138		
11,900.00	6,953.00	9,667.72	7,052.24	180.40	77.38	94.13	-951.13	7,581.49	2,989.67	2,736.79	252.89	11.822		
12,000.00	6,953.00	9,793.93	7,052.69	182.95	80.62	94.14	-950.93	7,707.69	2,989.38	2,730.37	259.01	11.542		
12,100.00	6,953.00	9,895.99	7,052.83	185.50	83.24	94.14	-949.53	7,809.74	2,987.80	2,723.53	264.27	11.306		
12,155.38	6,953.00	9,924.44	7,052.94	186.92	83.98	94.15	-949.43	7,838.20	2,987.49	2,721.32	266.17	11.224		
12,200.00	6,953.00	9,949.00	7,053.09	188.06	84.61	94.15	-949.54	7,862.76	2,987.61	2,719.86	267.74	11.158		
12,300.00	6,953.00	10,082.05	7,053.42	190.63	88.06	94.15	-949.83	7,995.81	2,987.64	2,713.47	274.17	10.897		
12,400.00	6,953.00	10,207.86	7,053.76	193.20	91.32	94.16	-948.83	8,121.61	2,986.65	2,706.34	280.32	10.655		
12,500.00	6,953.00	10,328.30	7,053.82	195.77	94.46	94.17	-946.69	8,242.02	2,984.62	2,698.36	286.27	10.426		
12,600.00	6,953.00	10,398.00	7,053.90	198.35	96.28	94.17	-945.85	8,311.72	2,983.16	2,692.74	290.42	10.272		
12,700.00	6,953.00	10,480.44	7,053.38	200.93	98.43	94.16	-945.56	8,394.17	2,982.53	2,687.50	295.03	10.109		
12,750.58	6,953.00	10,516.58	7,052.88	202.23	99.38	94.15	-945.57	8,430.30	2,982.39	2,685.24	297.15	10.037		
12,800.00	6,953.00	10,549.93	7,052.52	203.51	100.26	94.14	-945.75	8,463.64	2,982.52	2,683.38	299.15	9.970		
12,900.00	6,953.00	10,607.83	7,052.10	206.10	101.78	94.13	-946.56	8,521.53	2,983.70	2,680.91	302.79	9.854		
13,000.00	6,953.00	10,667.00	7,051.65	208.69	103.34	94.12	-948.43	8,580.68	2,986.49	2,680.05	306.44	9.746		
13,100.00	6,953.00	10,731.48	7,051.84	211.29	105.04	94.12	-951.24	8,645.09	2,990.56	2,680.31	310.25	9.639		
13,200.00	6,953.00	10,865.63	7,054.27	213.88	108.59	94.16	-956.66	8,779.11	2,994.51	2,677.59	316.92	9.449		
13,300.00	6,953.00	10,984.34	7,055.97	216.48	111.73	94.19	-960.92	8,897.72	2,998.07	2,675.11	322.95	9.283		
13,400.00	6,953.00	11,207.26	7,057.94	219.09	117.63	94.23	-961.67	9,120.61	2,997.64	2,664.76	332.88	9.005		
13,500.00	6,953.00	11,297.50	7,058.36	221.69	120.02	94.24	-960.75	9,210.85	2,996.45	2,658.63	337.82	8.870		
13,600.00	6,953.00	11,422.01	7,056.77	224.30	123.32	94.21	-959.49	9,335.33	2,995.18	2,651.18	344.00	8.707		
13,700.00	6,953.00	11,549.17	7,055.91	226.92	126.69	94.20	-956.64	9,462.46	2,992.63	2,642.39	350.24	8.545		
13,800.00	6,953.00	11,629.00	7,055.03	229.53	128.80	94.18	-954.64	9,542.26	2,989.91	2,635.06	354.85	8.426		
13,862.55	6,953.00	11,629.00	7,055.03	231.17	128.80	94.18	-954.64	9,542.26	2,989.26	2,633.35	355.90	8.399		
13,900.00	6,953.00	11,629.00	7,055.03	232.15	128.80	94.18	-954.64	9,542.26	2,989.49	2,633.03	356.46	8.387 ES		
14,000.00	6,953.00	11,629.00	7,055.03	234.77	128.80	94.18	-954.64	9,542.26	2,992.41	2,634.72	357.69	8.366		

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-20-01
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-20-01	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					
14,100.00	6,953.00	11,629.00	7,055.03	237.39	128.80	94.18	-954.64	9,542.26	2,998.67	2,640.13	358.54	8.363 SF					
14,200.00	6,953.00	11,629.00	7,055.03	240.01	128.80	94.18	-954.64	9,542.26	3,008.24	2,649.23	359.01	8.379					
14,300.00	6,953.00	11,629.00	7,055.03	242.64	128.80	94.18	-954.64	9,542.26	3,021.09	2,662.00	359.10	8.413					
14,400.00	6,953.00	11,629.00	7,055.03	245.27	128.80	94.18	-954.64	9,542.26	3,037.19	2,678.37	358.82	8.464					
14,500.00	6,953.00	11,629.00	7,055.03	247.90	128.80	94.18	-954.64	9,542.26	3,056.47	2,698.28	358.18	8.533					
14,600.00	6,953.00	11,629.00	7,055.03	250.53	128.80	94.18	-954.64	9,542.26	3,078.88	2,721.66	357.21	8.619					
14,700.00	6,953.00	11,629.00	7,055.03	253.16	128.80	94.18	-954.64	9,542.26	3,104.35	2,748.43	355.92	8.722					
14,800.00	6,953.00	11,629.00	7,055.03	255.80	128.80	94.18	-954.64	9,542.26	3,132.80	2,778.48	354.32	8.842					
14,900.00	6,953.00	11,629.00	7,055.03	258.43	128.80	94.18	-954.64	9,542.26	3,164.17	2,811.72	352.44	8.978					
15,000.00	6,953.00	11,629.00	7,055.03	261.07	128.80	94.18	-954.64	9,542.26	3,198.35	2,848.04	350.31	9.130					
15,100.00	6,953.00	11,629.00	7,055.03	263.71	128.80	94.18	-954.64	9,542.26	3,235.26	2,887.32	347.94	9.298					
15,200.00	6,953.00	11,629.00	7,055.03	266.36	128.80	94.18	-954.64	9,542.26	3,274.81	2,929.45	345.36	9.482					
15,300.00	6,953.00	11,629.00	7,055.03	269.00	128.80	94.18	-954.64	9,542.26	3,316.91	2,974.32	342.59	9.682					
15,400.00	6,953.00	11,629.00	7,055.03	271.65	128.80	94.18	-954.64	9,542.26	3,361.46	3,021.79	339.66	9.896					
15,500.00	6,953.00	11,629.00	7,055.03	274.29	128.80	94.18	-954.64	9,542.26	3,408.35	3,071.77	336.59	10.126					
15,600.00	6,953.00	11,629.00	7,055.03	276.94	128.80	94.18	-954.64	9,542.26	3,457.51	3,124.12	333.39	10.371					
15,700.00	6,953.00	11,629.00	7,055.03	279.59	128.80	94.18	-954.64	9,542.26	3,508.83	3,178.73	330.10	10.630					
15,800.00	6,953.00	11,629.00	7,055.03	282.24	128.80	94.18	-954.64	9,542.26	3,562.21	3,235.49	326.72	10.903					
15,900.00	6,953.00	11,629.00	7,055.03	284.90	128.80	94.18	-954.64	9,542.26	3,617.57	3,294.30	323.28	11.190					
16,000.00	6,953.00	11,629.00	7,055.03	287.55	128.80	94.18	-954.64	9,542.26	3,674.82	3,355.04	319.78	11.492					
16,100.00	6,953.00	11,629.00	7,055.03	290.20	128.80	94.18	-954.64	9,542.26	3,733.87	3,417.62	316.26	11.806					
16,200.00	6,953.00	11,629.00	7,055.03	292.86	128.80	94.18	-954.64	9,542.26	3,794.64	3,481.93	312.71	12.135					
16,300.00	6,953.00	11,629.00	7,055.03	295.52	128.80	94.18	-954.64	9,542.26	3,857.04	3,547.89	309.16	12.476					
16,400.00	6,953.00	11,629.00	7,055.03	298.18	128.80	94.18	-954.64	9,542.26	3,921.01	3,615.40	305.61	12.830					
16,500.00	6,953.00	11,629.00	7,055.03	300.84	128.80	94.18	-954.64	9,542.26	3,986.45	3,684.38	302.07	13.197					
16,600.00	6,953.00	11,629.00	7,055.03	303.50	128.80	94.18	-954.64	9,542.26	4,053.30	3,754.76	298.55	13.577					
16,700.00	6,953.00	11,629.00	7,055.03	306.16	128.80	94.18	-954.64	9,542.26	4,121.50	3,826.44	295.06	13.969					
16,800.00	6,953.00	11,629.00	7,055.03	308.82	128.80	94.18	-954.64	9,542.26	4,190.97	3,899.37	291.60	14.372					
16,900.00	6,953.00	11,629.00	7,055.03	311.49	128.80	94.18	-954.64	9,542.26	4,261.66	3,973.47	288.18	14.788					
17,000.00	6,953.00	11,629.00	7,055.03	314.15	128.80	94.18	-954.64	9,542.26	4,333.50	4,048.69	284.81	15.215					
17,100.00	6,953.00	11,629.00	7,055.03	316.82	128.80	94.18	-954.64	9,542.26	4,406.44	4,124.95	281.49	15.654					
17,200.00	6,953.00	11,629.00	7,055.03	319.48	128.80	94.18	-954.64	9,542.26	4,480.42	4,202.20	278.22	16.104					
17,300.00	6,953.00	11,629.00	7,055.03	322.15	128.80	94.18	-954.64	9,542.26	4,555.40	4,280.40	275.01	16.565					
17,400.00	6,953.00	11,629.00	7,055.03	324.82	128.80	94.18	-954.64	9,542.26	4,631.33	4,359.48	271.85	17.036					
17,500.00	6,953.00	11,629.00	7,055.03	327.49	128.80	94.18	-954.64	9,542.26	4,708.15	4,439.40	268.75	17.519					
17,600.00	6,953.00	11,629.00	7,055.03	330.16	128.80	94.18	-954.64	9,542.26	4,785.83	4,520.12	265.71	18.011					
17,700.00	6,953.00	11,629.00	7,055.03	332.83	128.80	94.18	-954.64	9,542.26	4,864.32	4,601.59	262.73	18.514					
17,800.00	6,953.00	11,629.00	7,055.03	335.50	128.80	94.18	-954.64	9,542.26	4,943.60	4,683.78	259.82	19.027					
17,900.00	6,953.00	11,629.00	7,055.03	338.17	128.80	94.18	-954.64	9,542.26	5,023.61	4,766.64	256.96	19.550					
18,000.00	6,953.00	11,629.00	7,055.03	340.85	128.80	94.18	-954.64	9,542.26	5,104.32	4,850.15	254.17	20.082					
18,100.00	6,953.00	11,629.00	7,055.03	343.52	128.80	94.18	-954.64	9,542.26	5,185.71	4,934.27	251.44	20.624					
18,200.00	6,953.00	11,629.00	7,055.03	346.19	128.80	94.18	-954.64	9,542.26	5,267.74	5,018.97	248.77	21.175					
18,300.00	6,953.00	11,629.00	7,055.03	348.87	128.80	94.18	-954.64	9,542.26	5,350.38	5,104.22	246.16	21.735					
18,400.00	6,953.00	11,629.00	7,055.03	351.55	128.80	94.18	-954.64	9,542.26	5,433.61	5,189.99	243.61	22.304					
18,500.00	6,953.00	11,629.00	7,055.03	354.22	128.80	94.18	-954.64	9,542.26	5,517.39	5,276.26	241.12	22.882					
18,600.00	6,953.00	11,629.00	7,055.03	356.90	128.80	94.18	-954.64	9,542.26	5,601.70	5,363.01	238.69	23.468					
18,700.00	6,953.00	11,629.00	7,055.03	359.58	128.80	94.18	-954.64	9,542.26	5,686.52	5,450.20	236.32	24.063					
18,800.00	6,953.00	11,629.00	7,055.03	362.26	128.80	94.18	-954.64	9,542.26	5,771.83	5,537.83	234.00	24.666					
18,900.00	6,953.00	11,629.00	7,055.03	364.94	128.80	94.18	-954.64	9,542.26	5,857.60	5,625.86	231.74	25.277					
19,000.00	6,953.00	11,629.00	7,055.03	367.62	128.80	94.18	-954.64	9,542.26	5,943.82	5,714.29	229.53	25.895					
19,073.74	6,953.00	11,629.00	7,055.03	369.59	128.80	94.18	-954.64	9,542.26	6,007.67	5,779.74	227.94	26.357					

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-20-01
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-20-01	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	90.41	-35.56	4,962.31	4,962.46	4,962.20	0.27	N/A		
200.00	199.98	112.08	112.08	0.63	0.19	26.99	-35.20	4,962.00	4,960.65	4,959.83	0.82	6,074.032		
300.00	299.84	245.30	245.29	0.99	0.42	27.06	-33.83	4,960.80	4,955.08	4,953.67	1.41	3,519.733		
400.00	399.45	595.94	595.36	1.36	1.50	27.18	-20.35	4,949.18	4,945.07	4,942.20	2.87	1,725.304		
500.00	498.70	739.88	738.41	1.76	2.07	27.29	-7.87	4,939.40	4,927.36	4,923.57	3.78	1,302.501		
600.00	597.47	922.56	919.55	2.18	2.81	27.42	11.22	4,925.38	4,906.05	4,901.17	4.88	1,006.238		
700.00	695.62	1,003.55	999.72	2.63	3.15	27.64	20.40	4,918.39	4,880.51	4,874.93	5.58	874.712		
800.00	793.06	1,117.89	1,112.71	3.11	3.64	27.89	34.75	4,908.38	4,851.87	4,845.43	6.43	754.002		
900.00	889.64	1,199.00	1,192.75	3.64	3.99	28.19	45.85	4,901.34	4,820.33	4,813.16	7.17	672.076		
1,000.00	985.27	1,387.00	1,377.71	4.22	4.84	28.53	73.86	4,882.77	4,784.46	4,776.08	8.38	571.035		
1,100.00	1,079.82	1,451.21	1,440.72	4.84	5.13	28.93	84.14	4,875.89	4,745.39	4,736.30	9.09	522.227		
1,200.00	1,173.17	1,507.18	1,495.70	5.52	5.39	29.38	93.13	4,870.62	4,704.52	4,694.74	9.78	481.081		
1,300.00	1,265.21	1,587.94	1,574.97	6.26	5.77	29.88	106.75	4,863.27	4,661.22	4,650.62	10.60	439.931		
1,400.00	1,355.84	1,660.49	1,646.35	7.06	6.10	30.46	117.99	4,856.86	4,615.47	4,604.08	11.39	405.112		
1,500.00	1,444.94	1,730.67	1,715.62	7.92	6.41	31.12	127.58	4,850.89	4,567.39	4,555.20	12.19	374.532		
1,600.00	1,532.39	1,799.42	1,783.53	8.84	6.71	31.85	136.65	4,845.29	4,517.06	4,504.05	13.01	347.174		
1,700.00	1,618.11	1,869.62	1,852.99	9.83	7.01	32.68	145.28	4,839.82	4,464.53	4,450.68	13.85	322.238		
1,800.00	1,701.97	1,954.00	1,936.58	10.89	7.37	33.64	154.74	4,833.24	4,409.58	4,394.81	14.77	298.526		
1,900.00	1,783.88	2,023.21	2,005.23	12.02	7.65	34.67	161.69	4,827.89	4,352.39	4,336.73	15.66	278.010		
1,991.28	1,856.86	2,071.36	2,053.05	13.11	7.85	35.65	166.10	4,824.36	4,298.52	4,282.08	16.44	261.473		
2,000.00	1,863.75	2,075.32	2,056.98	13.21	7.87	35.67	166.46	4,824.08	4,293.31	4,276.79	16.52	259.938		
2,100.00	1,942.74	2,120.90	2,102.27	14.45	8.05	35.88	170.57	4,821.08	4,233.94	4,216.57	17.37	243.709		
2,200.00	2,021.72	2,173.42	2,154.48	15.69	8.26	36.12	175.32	4,818.00	4,175.24	4,156.96	18.27	228.469		
2,300.00	2,100.71	2,235.00	2,215.72	16.95	8.50	36.41	181.02	4,814.71	4,117.05	4,097.83	19.23	214.137		
2,400.00	2,179.70	2,333.91	2,314.05	18.21	8.89	36.89	190.26	4,809.37	4,058.97	4,038.66	20.31	199.851		
2,500.00	2,258.69	2,428.37	2,407.94	19.47	9.27	37.36	198.96	4,803.78	4,000.61	3,979.22	21.39	187.002		
2,600.00	2,337.68	2,505.31	2,484.44	20.74	9.58	37.77	205.73	4,799.07	3,942.24	3,919.80	22.44	175.684		
2,700.00	2,416.66	2,549.73	2,528.63	22.02	9.75	38.01	209.39	4,796.46	3,884.29	3,860.88	23.41	165.911		
2,800.00	2,495.65	2,588.08	2,566.82	23.29	9.90	38.23	212.34	4,794.60	3,827.29	3,802.90	24.39	156.930		
2,900.00	2,574.64	2,637.91	2,616.48	24.57	10.08	38.51	215.92	4,792.69	3,771.24	3,745.82	25.42	148.383		
3,000.00	2,653.63	2,710.58	2,688.93	25.85	10.36	38.94	221.02	4,790.12	3,715.66	3,689.14	26.52	140.111		
3,100.00	2,732.62	2,793.53	2,771.64	27.14	10.66	39.45	226.58	4,787.17	3,660.30	3,632.63	27.67	132.301		
3,200.00	2,811.61	2,858.97	2,836.92	28.42	10.90	39.87	230.63	4,784.87	3,605.22	3,576.43	28.79	125.232		
3,300.00	2,890.59	2,963.71	2,941.41	29.71	11.29	40.56	236.77	4,781.29	3,550.53	3,520.51	30.02	118.265		
3,400.00	2,969.58	3,058.87	3,036.28	31.00	11.64	41.21	242.94	4,777.11	3,495.16	3,463.92	31.25	111.851		
3,500.00	3,048.57	3,150.13	3,127.27	32.29	11.98	41.85	248.49	4,772.84	3,439.90	3,407.41	32.49	105.889		
3,600.00	3,127.56	3,228.01	3,204.88	33.58	12.28	42.41	253.64	4,769.00	3,384.63	3,350.91	33.72	100.387		
3,700.00	3,206.55	3,299.88	3,276.50	34.87	12.55	42.94	258.70	4,765.63	3,329.77	3,294.81	34.95	95.260		
3,800.00	3,285.53	3,368.00	3,344.39	36.16	12.81	43.45	263.22	4,762.49	3,275.29	3,239.08	36.21	90.450		
3,900.00	3,364.52	3,410.35	3,386.62	37.45	12.97	43.78	266.01	4,760.84	3,221.69	3,184.25	37.44	86.040		
4,000.00	3,443.51	3,462.00	3,438.12	38.74	13.16	44.18	269.72	4,759.63	3,169.40	3,130.68	38.72	81.860		
4,100.00	3,522.50	3,537.72	3,513.60	40.04	13.44	44.76	275.61	4,758.32	3,117.89	3,077.83	40.06	77.833		
4,200.00	3,601.49	3,614.64	3,617.15	41.33	13.83	45.59	283.98	4,755.84	3,066.15	3,024.68	41.47	73.936		
4,300.00	3,680.47	3,730.00	3,705.21	42.63	14.16	46.32	290.77	4,753.16	3,014.30	2,971.42	42.88	70.296		
4,400.00	3,759.46	3,807.52	3,782.47	43.92	14.45	46.99	296.56	4,750.68	2,962.71	2,918.40	44.30	66.877		
4,500.00	3,838.45	3,887.23	3,861.94	45.22	14.75	47.71	302.16	4,748.09	2,911.53	2,865.78	45.75	63.639		
4,600.00	3,917.44	3,963.27	3,937.84	46.51	15.03	48.45	305.82	4,745.18	2,860.75	2,813.51	47.23	60.565		
4,700.00	3,996.43	4,025.00	3,999.48	47.81	15.25	49.08	308.20	4,742.82	2,810.64	2,761.90	48.73	57.675		
4,800.00	4,075.42	4,094.80	4,069.19	49.10	15.50	49.81	310.67	4,740.40	2,761.37	2,711.10	50.27	54.925		
4,900.00	4,154.40	4,167.81	4,142.13	50.40	15.76	50.59	313.25	4,738.23	2,713.01	2,661.15	51.86	52.318		
5,000.00	4,233.39	4,245.93	4,220.16	51.70	16.03	51.46	316.01	4,735.91	2,665.23	2,611.76	53.48	49.838		
5,100.00	4,312.38	4,319.83	4,293.99	52.99	16.29	52.30	318.44	4,733.70	2,618.11	2,562.98	55.13	47.488		

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-20-01
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-20-01	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		
5,200.00	4,391.37	4,382.77	4,356.88	54.29	16.51	53.04	320.09	4,731.96	2,571.97	2,515.16	56.81	45.273		
5,300.00	4,470.36	4,468.51	4,442.57	55.59	16.80	54.09	321.80	4,729.64	2,526.75	2,468.19	58.56	43.148		
5,400.00	4,549.34	4,547.34	4,521.35	56.89	17.08	55.08	323.46	4,727.22	2,481.98	2,421.64	60.34	41.133		
5,500.00	4,628.33	4,592.00	4,565.98	58.18	17.23	55.65	324.57	4,725.98	2,438.31	2,376.20	62.11	39.260		
5,600.00	4,707.32	4,654.71	4,628.66	59.48	17.45	56.46	325.96	4,724.86	2,396.15	2,332.22	63.93	37.480		
5,700.00	4,786.31	4,709.80	4,683.74	60.78	17.63	57.19	326.80	4,724.70	2,356.02	2,290.24	65.78	35.818		
5,800.00	4,865.30	4,784.92	4,758.86	62.08	17.88	58.21	327.60	4,724.66	2,317.17	2,249.48	67.70	34.229		
5,900.00	4,944.28	4,866.42	4,840.36	63.38	18.15	59.35	328.34	4,724.60	2,279.33	2,209.66	69.67	32.718		
6,000.00	5,023.27	4,940.31	4,914.24	64.68	18.39	60.40	328.98	4,724.56	2,242.55	2,170.89	71.65	31.297		
6,100.00	5,102.26	5,018.96	4,992.89	65.97	18.65	61.55	329.51	4,724.61	2,206.99	2,133.31	73.69	29.951		
6,200.00	5,181.25	5,106.19	5,080.12	67.27	18.94	62.86	330.10	4,724.51	2,172.46	2,096.69	75.77	28.671		
6,300.00	5,260.24	5,190.82	5,164.75	68.57	19.22	64.17	330.67	4,723.95	2,138.73	2,060.85	77.88	27.461		
6,400.00	5,339.23	5,268.79	5,242.71	69.87	19.48	65.41	330.90	4,723.26	2,106.29	2,026.28	80.01	26.325		
6,500.00	5,418.21	5,354.15	5,328.06	71.17	19.76	66.80	331.05	4,722.26	2,075.06	1,992.88	82.18	25.250		
6,600.00	5,497.20	5,443.44	5,417.34	72.47	20.06	68.28	331.61	4,720.96	2,044.83	1,960.45	84.38	24.234		
6,700.00	5,576.19	5,511.34	5,485.24	73.77	20.29	69.43	332.21	4,720.14	2,016.10	1,929.56	86.54	23.296		
6,800.00	5,655.18	5,584.46	5,558.35	75.07	20.54	70.68	332.81	4,719.62	1,989.22	1,900.49	88.73	22.420		
6,900.00	5,734.17	5,657.35	5,631.24	76.37	20.79	71.94	333.33	4,719.25	1,964.08	1,873.17	90.91	21.605		
7,000.00	5,813.15	5,729.85	5,703.74	77.67	21.02	73.23	333.40	4,718.87	1,940.88	1,847.79	93.09	20.850		
7,100.00	5,892.14	5,815.30	5,789.18	78.97	21.30	74.77	333.43	4,718.30	1,919.33	1,824.04	95.29	20.141		
7,200.00	5,971.13	5,880.67	5,854.56	80.27	21.51	75.96	333.40	4,717.99	1,899.70	1,802.28	97.42	19.501		
7,300.00	6,050.12	5,943.54	5,917.43	81.57	21.71	77.12	333.09	4,718.04	1,882.45	1,782.96	99.49	18.921		
7,400.00	6,129.11	6,005.57	5,979.45	82.86	21.90	78.27	332.36	4,718.51	1,867.81	1,766.29	101.52	18.399		
7,500.00	6,208.09	6,097.16	6,071.03	84.16	22.18	79.98	331.35	4,719.40	1,855.14	1,751.53	103.61	17.905		
7,600.00	6,287.08	6,178.08	6,151.94	85.46	22.42	81.51	330.68	4,719.93	1,844.08	1,738.46	105.62	17.460		
7,700.00	6,366.07	6,266.41	6,240.26	86.76	22.70	83.20	329.69	4,719.84	1,834.83	1,727.23	107.61	17.051		
7,800.00	6,445.06	6,346.26	6,320.11	88.06	22.95	84.76	328.79	4,719.11	1,827.30	1,717.79	109.51	16.687		
7,900.00	6,524.05	6,388.00	6,361.85	89.36	23.08	85.56	328.52	4,719.11	1,822.26	1,711.11	111.15	16.395		
7,950.90	6,564.25	6,388.00	6,361.85	90.03	23.08	85.56	328.52	4,719.11	1,821.55	1,709.75	111.80	16.293		
8,000.00	6,603.03	6,388.00	6,361.85	90.66	23.08	85.56	328.52	4,719.11	1,822.21	1,709.86	112.36	16.218		
8,100.00	6,682.02	6,442.18	6,415.90	91.96	23.24	86.55	327.47	4,722.25	1,824.76	1,710.99	113.78	16.038		
8,133.44	6,708.44	6,482.00	6,455.20	92.40	23.35	87.20	325.67	4,728.31	1,827.93	1,713.52	114.41	15.977		
8,150.00	6,721.39	6,482.00	6,455.20	92.62	23.35	86.03	325.67	4,728.31	1,828.81	1,714.25	114.56	15.963		
8,200.00	6,758.90	6,482.00	6,455.20	93.34	23.35	83.04	325.67	4,728.31	1,830.71	1,715.68	115.03	15.915		
8,250.00	6,793.76	6,482.00	6,455.20	94.13	23.35	80.74	325.67	4,728.31	1,831.44	1,715.92	115.52	15.854		
8,300.00	6,825.72	6,509.86	6,482.45	95.00	23.42	79.58	324.32	4,733.95	1,830.85	1,714.48	116.36	15.734		
8,350.00	6,854.52	6,562.64	6,533.74	95.93	23.56	79.49	322.88	4,746.32	1,828.17	1,710.61	117.55	15.552		
8,400.00	6,879.97	6,577.00	6,547.60	96.92	23.59	79.04	322.74	4,750.06	1,823.66	1,705.30	118.36	15.408		
8,450.00	6,901.84	6,608.40	6,577.71	97.95	23.67	79.38	322.53	4,758.96	1,817.60	1,698.20	119.41	15.222		
8,500.00	6,920.00	6,625.47	6,593.93	99.02	23.71	79.73	322.38	4,764.26	1,810.41	1,690.10	120.31	15.047		
8,550.00	6,934.28	6,641.63	6,609.19	100.12	23.75	80.37	322.23	4,769.57	1,802.09	1,680.87	121.22	14.866		
8,600.00	6,944.59	6,672.00	6,637.59	101.22	23.82	81.68	321.89	4,780.32	1,792.87	1,670.54	122.34	14.655		
8,650.00	6,950.84	6,672.00	6,637.59	102.33	23.82	82.41	321.89	4,780.32	1,782.54	1,659.51	123.03	14.489		
8,701.16	6,953.00	6,672.00	6,637.59	103.44	23.82	83.37	321.89	4,780.32	1,771.37	1,647.66	123.70	14.319		
8,800.00	6,953.00	6,705.25	6,668.12	105.59	23.90	84.38	321.46	4,793.49	1,751.35	1,625.96	125.40	13.967		
8,900.00	6,953.00	6,733.11	6,693.09	107.79	23.95	85.21	321.06	4,805.82	1,736.04	1,609.19	126.85	13.686		
9,000.00	6,953.00	6,775.21	6,729.71	110.02	24.04	86.42	320.42	4,826.58	1,725.56	1,597.20	128.36	13.443		
9,100.00	6,953.00	6,860.00	6,800.67	112.26	24.21	88.79	321.31	4,872.93	1,717.95	1,587.48	130.48	13.167		
9,200.00	6,953.00	6,909.33	6,839.94	114.52	24.30	90.10	322.29	4,902.74	1,714.26	1,582.42	131.85	13.002		
9,226.06	6,953.00	6,918.27	6,846.83	115.12	24.32	90.33	322.34	4,908.45	1,714.11	1,582.01	132.10	12.975 CC		
9,300.00	6,953.00	6,953.00	6,872.85	116.80	24.39	91.20	322.14	4,931.45	1,715.36	1,582.40	132.96	12.902		
9,400.00	6,953.00	7,085.96	6,960.96	119.10	24.83	94.14	323.68	5,030.68	1,717.74	1,581.68	136.06	12.625		

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-20-01
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-20-01	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	6,953.00	7,156.88	6,997.28	121.42	25.26	95.35	323.85	5,091.53	1,722.07	1,584.12	137.94	12.484		
9,600.00	6,953.00	7,341.98	7,061.80	123.75	26.96	97.48	324.18	5,264.39	1,726.28	1,582.83	143.45	12.034		
9,700.00	6,953.00	7,477.59	7,074.66	126.10	28.62	97.91	324.67	5,399.17	1,727.23	1,579.03	148.21	11.654		
9,800.00	6,953.00	7,628.69	7,075.54	128.46	30.83	97.96	329.08	5,550.20	1,723.92	1,570.05	153.86	11.204		
9,900.00	6,953.00	7,701.00	7,076.66	130.84	32.02	98.01	331.52	5,622.46	1,720.64	1,563.68	156.96	10.962		
10,000.00	6,953.00	7,772.02	7,078.01	133.23	33.27	98.06	332.77	5,693.45	1,719.01	1,558.94	160.07	10.739		
10,051.25	6,953.00	7,812.38	7,078.47	134.46	34.00	98.08	332.83	5,733.81	1,718.90	1,557.07	161.83	10.622		
10,100.00	6,953.00	7,861.80	7,078.62	135.63	34.93	98.08	332.76	5,783.23	1,718.89	1,554.91	163.98	10.483		
10,137.39	6,953.00	7,898.37	7,078.44	136.53	35.63	98.07	332.67	5,819.80	1,718.87	1,553.29	165.58	10.381		
10,200.00	6,953.00	7,955.20	7,078.47	138.04	36.74	98.08	332.46	5,876.63	1,718.97	1,550.84	168.13	10.224		
10,300.00	6,953.00	8,063.69	7,079.21	140.46	38.95	98.10	332.09	5,985.11	1,719.21	1,546.20	173.01	9.937		
10,352.12	6,953.00	8,113.10	7,079.18	141.73	39.99	98.10	332.05	6,034.53	1,719.14	1,543.85	175.29	9.807		
10,400.00	6,953.00	8,156.20	7,078.92	142.90	40.91	98.09	331.86	6,077.62	1,719.21	1,541.91	177.30	9.697		
10,500.00	6,953.00	8,257.42	7,077.82	145.34	43.11	98.05	331.20	6,178.84	1,719.50	1,537.45	182.05	9.445		
10,600.00	6,953.00	8,351.08	7,076.80	147.80	45.21	98.01	330.50	6,272.49	1,719.87	1,533.35	186.52	9.221		
10,700.00	6,953.00	8,420.85	7,076.16	150.26	46.80	97.99	329.47	6,342.25	1,721.10	1,531.18	189.92	9.062		
10,800.00	6,953.00	8,486.10	7,075.69	152.73	48.30	97.96	326.86	6,407.44	1,724.64	1,531.58	193.06	8.933		
10,900.00	6,953.00	8,651.52	7,075.00	155.21	52.20	97.93	323.28	6,572.81	1,726.15	1,525.03	201.12	8.583		
11,000.00	6,953.00	8,731.54	7,073.91	157.70	54.11	97.89	322.19	6,652.81	1,727.14	1,522.02	205.12	8.420		
11,100.00	6,953.00	8,809.76	7,072.79	160.20	56.01	97.84	319.97	6,731.00	1,729.53	1,520.50	209.02	8.274		
11,200.00	6,953.00	8,912.90	7,073.59	162.70	58.53	97.85	316.49	6,834.06	1,732.78	1,518.61	214.17	8.091		
11,300.00	6,953.00	9,019.23	7,074.53	165.21	61.15	97.87	313.83	6,940.36	1,735.16	1,515.66	219.49	7.905		
11,400.00	6,953.00	9,094.63	7,074.76	167.73	63.03	97.87	311.49	7,015.72	1,738.12	1,514.84	223.29	7.784		
11,500.00	6,953.00	9,182.33	7,075.98	170.25	65.23	97.89	307.36	7,103.32	1,742.71	1,515.01	227.70	7.654		
11,600.00	6,953.00	9,291.04	7,076.14	172.78	67.96	97.88	302.73	7,211.92	1,746.72	1,513.48	233.24	7.489		
11,700.00	6,953.00	9,430.23	7,075.17	175.31	71.50	97.82	297.67	7,351.00	1,750.17	1,509.81	240.36	7.281		
11,800.00	6,953.00	9,528.85	7,075.94	177.85	74.01	97.84	295.60	7,449.59	1,752.14	1,506.73	245.41	7.140		
11,900.00	6,953.00	9,657.36	7,077.97	180.40	77.31	97.90	294.29	7,578.07	1,753.15	1,501.24	251.91	6.959		
12,000.00	6,953.00	9,765.74	7,079.32	182.95	80.11	97.95	294.43	7,686.45	1,752.97	1,495.54	257.44	6.809		
12,054.50	6,953.00	9,815.12	7,079.21	184.34	81.38	97.94	294.40	7,735.83	1,752.89	1,492.88	260.00	6.742		
12,100.00	6,953.00	9,849.01	7,079.04	185.50	82.26	97.94	294.17	7,769.72	1,753.06	1,491.27	261.80	6.696		
12,200.00	6,953.00	9,947.39	7,078.42	188.06	84.81	97.91	292.66	7,868.09	1,754.28	1,487.38	266.90	6.573		
12,300.00	6,953.00	10,057.73	7,077.43	190.63	87.68	97.88	292.02	7,978.41	1,754.49	1,481.89	272.60	6.436		
12,400.00	6,953.00	10,166.84	7,078.50	193.20	90.53	97.91	291.85	8,087.52	1,754.58	1,476.37	278.21	6.307		
12,443.95	6,953.00	10,205.60	7,078.67	194.33	91.54	97.92	291.90	8,126.27	1,754.47	1,474.23	280.24	6.261		
12,500.00	6,953.00	10,248.48	7,079.10	195.77	92.66	97.93	291.71	8,169.16	1,754.68	1,472.17	282.51	6.211		
12,600.00	6,953.00	10,371.82	7,081.11	198.35	95.90	97.99	291.12	8,292.47	1,755.26	1,466.46	288.81	6.078		
12,611.50	6,953.00	10,389.20	7,081.36	198.64	96.35	98.00	291.25	8,309.86	1,755.18	1,465.50	289.68	6.059		
12,700.00	6,953.00	10,434.03	7,081.77	200.93	97.53	98.01	290.74	8,354.68	1,755.79	1,463.63	292.17	6.010		
12,800.00	6,953.00	10,514.70	7,082.05	203.51	99.65	98.01	288.61	8,435.32	1,758.17	1,461.78	296.39	5.932		
12,900.00	6,953.00	10,653.35	7,081.93	206.10	103.31	98.00	285.56	8,573.93	1,760.29	1,456.70	303.59	5.798		
13,000.00	6,953.00	10,728.07	7,081.45	208.69	105.28	97.98	284.51	8,648.64	1,761.40	1,453.84	307.57	5.727		
13,100.00	6,953.00	10,824.09	7,079.97	211.29	107.82	97.92	281.91	8,744.62	1,763.66	1,451.02	312.64	5.641		
13,200.00	6,953.00	10,910.24	7,077.60	213.88	110.10	97.83	279.33	8,830.69	1,766.05	1,448.84	317.21	5.567		
13,300.00	6,953.00	11,025.14	7,075.78	216.48	113.14	97.76	275.55	8,945.51	1,768.94	1,445.65	323.29	5.472		
13,400.00	6,953.00	11,148.16	7,075.02	219.09	116.41	97.73	273.82	9,068.52	1,769.97	1,440.23	329.73	5.368		
13,500.00	6,953.00	11,225.00	7,075.68	221.69	118.45	97.74	272.41	9,145.34	1,771.62	1,437.81	333.82	5.307		
13,600.00	6,953.00	11,316.79	7,076.98	224.30	120.89	97.78	269.98	9,237.09	1,774.21	1,435.57	338.64	5.239		
13,700.00	6,953.00	11,422.05	7,076.38	226.92	123.69	97.75	267.18	9,342.30	1,776.56	1,432.35	344.21	5.161		
13,800.00	6,953.00	11,509.00	7,075.20	229.53	126.01	97.70	264.50	9,429.21	1,779.21	1,430.39	348.83	5.101		
13,900.00	6,953.00	11,607.23	7,074.34	232.15	128.63	97.66	261.12	9,527.38	1,782.29	1,428.25	354.05	5.034 ES, SF		
14,000.00	6,953.00	11,615.00	7,074.27	234.77	128.84	97.65	260.86	9,535.14	1,787.75	1,433.83	353.92	5.051		

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-20-01
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-20-01	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		
14,100.00	6,953.00	11,615.00	7,074.27	237.39	128.84	97.65	260.86	9,535.14	1,798.74	1,446.41	352.33	5.105		
14,200.00	6,953.00	11,615.00	7,074.27	240.01	128.84	97.65	260.86	9,535.14	1,815.19	1,465.43	349.75	5.190		
14,300.00	6,953.00	11,615.00	7,074.27	242.64	128.84	97.65	260.86	9,535.14	1,836.94	1,490.68	346.26	5.305		
14,400.00	6,953.00	11,615.00	7,074.27	245.27	128.84	97.65	260.86	9,535.14	1,863.80	1,521.86	341.94	5.451		
14,500.00	6,953.00	11,615.00	7,074.27	247.90	128.84	97.65	260.86	9,535.14	1,895.57	1,558.65	336.92	5.626		
14,600.00	6,953.00	11,615.00	7,074.27	250.53	128.84	97.65	260.86	9,535.14	1,932.00	1,600.70	331.29	5.832		
14,700.00	6,953.00	11,615.00	7,074.27	253.16	128.84	97.65	260.86	9,535.14	1,972.82	1,647.63	325.19	6.067		
14,800.00	6,953.00	11,615.00	7,074.27	255.80	128.84	97.65	260.86	9,535.14	2,017.79	1,699.07	318.71	6.331		
14,900.00	6,953.00	11,615.00	7,074.27	258.43	128.84	97.65	260.86	9,535.14	2,066.61	1,754.64	311.97	6.624		
15,000.00	6,953.00	11,615.00	7,074.27	261.07	128.84	97.65	260.86	9,535.14	2,119.03	1,813.97	305.06	6.946		
15,100.00	6,953.00	11,615.00	7,074.27	263.71	128.84	97.65	260.86	9,535.14	2,174.79	1,876.74	298.06	7.297		
15,200.00	6,953.00	11,615.00	7,074.27	266.36	128.84	97.65	260.86	9,535.14	2,233.64	1,942.61	291.03	7.675		
15,300.00	6,953.00	11,615.00	7,074.27	269.00	128.84	97.65	260.86	9,535.14	2,295.34	2,011.29	284.05	8.081		
15,400.00	6,953.00	11,615.00	7,074.27	271.65	128.84	97.65	260.86	9,535.14	2,359.66	2,082.51	277.16	8.514		
15,500.00	6,953.00	11,615.00	7,074.27	274.29	128.84	97.65	260.86	9,535.14	2,426.40	2,156.02	270.39	8.974		
15,600.00	6,953.00	11,615.00	7,074.27	276.94	128.84	97.65	260.86	9,535.14	2,495.37	2,231.59	263.77	9.460		
15,700.00	6,953.00	11,615.00	7,074.27	279.59	128.84	97.65	260.86	9,535.14	2,566.38	2,309.04	257.34	9.973		
15,800.00	6,953.00	11,615.00	7,074.27	282.24	128.84	97.65	260.86	9,535.14	2,639.26	2,388.16	251.10	10.511		
15,900.00	6,953.00	11,615.00	7,074.27	284.90	128.84	97.65	260.86	9,535.14	2,713.88	2,468.81	245.07	11.074		
16,000.00	6,953.00	11,615.00	7,074.27	287.55	128.84	97.65	260.86	9,535.14	2,790.08	2,550.83	239.25	11.662		
16,100.00	6,953.00	11,615.00	7,074.27	290.20	128.84	97.65	260.86	9,535.14	2,867.75	2,634.11	233.64	12.274		
16,200.00	6,953.00	11,615.00	7,074.27	292.86	128.84	97.65	260.86	9,535.14	2,946.76	2,718.51	228.25	12.910		
16,300.00	6,953.00	11,615.00	7,074.27	295.52	128.84	97.65	260.86	9,535.14	3,027.02	2,803.94	223.08	13.569		
16,400.00	6,953.00	11,615.00	7,074.27	298.18	128.84	97.65	260.86	9,535.14	3,108.42	2,890.31	218.11	14.252		
16,500.00	6,953.00	11,615.00	7,074.27	300.84	128.84	97.65	260.86	9,535.14	3,190.88	2,977.53	213.35	14.956		
16,600.00	6,953.00	11,615.00	7,074.27	303.50	128.84	97.65	260.86	9,535.14	3,274.31	3,065.53	208.78	15.683		
16,700.00	6,953.00	11,615.00	7,074.27	306.16	128.84	97.65	260.86	9,535.14	3,358.65	3,154.24	204.41	16.431		
16,800.00	6,953.00	11,615.00	7,074.27	308.82	128.84	97.65	260.86	9,535.14	3,443.83	3,243.60	200.23	17.200		
16,900.00	6,953.00	11,615.00	7,074.27	311.49	128.84	97.65	260.86	9,535.14	3,529.79	3,333.57	196.22	17.989		
17,000.00	6,953.00	11,615.00	7,074.27	314.15	128.84	97.65	260.86	9,535.14	3,616.46	3,424.08	192.38	18.798		
17,100.00	6,953.00	11,615.00	7,074.27	316.82	128.84	97.65	260.86	9,535.14	3,703.81	3,515.10	188.71	19.627		
17,200.00	6,953.00	11,615.00	7,074.27	319.48	128.84	97.65	260.86	9,535.14	3,791.79	3,606.60	185.19	20.475		
17,300.00	6,953.00	11,615.00	7,074.27	322.15	128.84	97.65	260.86	9,535.14	3,880.35	3,698.52	181.83	21.341		
17,400.00	6,953.00	11,615.00	7,074.27	324.82	128.84	97.65	260.86	9,535.14	3,969.45	3,790.85	178.60	22.225		
17,500.00	6,953.00	11,615.00	7,074.27	327.49	128.84	97.65	260.86	9,535.14	4,059.06	3,883.54	175.51	23.127		
17,600.00	6,953.00	11,615.00	7,074.27	330.16	128.84	97.65	260.86	9,535.14	4,149.14	3,976.59	172.55	24.045		
17,700.00	6,953.00	11,615.00	7,074.27	332.83	128.84	97.65	260.86	9,535.14	4,239.67	4,069.95	169.72	24.981		
17,800.00	6,953.00	11,615.00	7,074.27	335.50	128.84	97.65	260.86	9,535.14	4,330.61	4,163.61	167.00	25.932		
17,900.00	6,953.00	11,615.00	7,074.27	338.17	128.84	97.65	260.86	9,535.14	4,421.95	4,257.56	164.39	26.898		
18,000.00	6,953.00	11,615.00	7,074.27	340.85	128.84	97.65	260.86	9,535.14	4,513.65	4,351.76	161.89	27.880		
18,100.00	6,953.00	11,615.00	7,074.27	343.52	128.84	97.65	260.86	9,535.14	4,605.70	4,446.21	159.50	28.877		
18,200.00	6,953.00	11,615.00	7,074.27	346.19	128.84	97.65	260.86	9,535.14	4,698.08	4,540.88	157.19	29.887		
18,300.00	6,953.00	11,615.00	7,074.27	348.87	128.84	97.65	260.86	9,535.14	4,790.76	4,635.77	154.98	30.911		
18,400.00	6,953.00	11,615.00	7,074.27	351.55	128.84	97.65	260.86	9,535.14	4,883.72	4,730.86	152.86	31.949		
18,500.00	6,953.00	11,615.00	7,074.27	354.22	128.84	97.65	260.86	9,535.14	4,976.97	4,826.14	150.82	32.999		
18,600.00	6,953.00	11,615.00	7,074.27	356.90	128.84	97.65	260.86	9,535.14	5,070.47	4,921.60	148.86	34.062		
18,700.00	6,953.00	11,615.00	7,074.27	359.58	128.84	97.65	260.86	9,535.14	5,164.21	5,017.23	146.98	35.136		
18,800.00	6,953.00	11,615.00	7,074.27	362.26	128.84	97.65	260.86	9,535.14	5,258.18	5,113.01	145.17	36.222		
18,900.00	6,953.00	11,615.00	7,074.27	364.94	128.84	97.65	260.86	9,535.14	5,352.37	5,208.95	143.42	37.319		
19,000.00	6,953.00	11,615.00	7,074.27	367.62	128.84	97.65	260.86	9,535.14	5,446.77	5,305.02	141.75	38.426		
19,073.74	6,953.00	11,615.00	7,074.27	369.59	128.84	97.65	260.86	9,535.14	5,516.51	5,375.96	140.55	39.249		

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-20-01
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-20-01	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	56.28	56.28	0.27	0.12	58.03	899.11	1,440.80	1,698.32	1,697.94	0.39	4,375.119		
200.00	199.98	160.24	160.24	0.63	0.49	-5.41	898.94	1,440.67	1,696.39	1,695.28	1.12	1,516.337		
300.00	299.84	260.24	260.24	0.99	0.85	-5.44	898.59	1,440.44	1,690.80	1,688.96	1.84	918.222		
400.00	399.45	360.90	360.90	1.36	1.21	-5.48	898.35	1,440.30	1,681.89	1,679.32	2.57	655.585		
500.00	498.70	463.47	463.46	1.76	1.56	-5.56	898.57	1,439.48	1,669.20	1,665.90	3.29	506.690		
600.00	597.47	554.09	554.08	2.18	1.88	-5.68	899.29	1,438.57	1,653.21	1,649.23	3.98	415.321		
700.00	695.62	633.65	633.61	2.63	2.16	-5.85	901.19	1,437.71	1,634.59	1,629.96	4.63	352.994		
800.00	793.06	691.00	690.89	3.11	2.35	-6.03	903.91	1,437.09	1,614.08	1,608.87	5.21	309.994		
900.00	889.64	771.83	771.48	3.64	2.64	-6.36	910.02	1,436.46	1,591.77	1,585.89	5.88	270.613		
1,000.00	985.27	838.05	837.32	4.22	2.88	-6.73	917.10	1,436.26	1,568.09	1,561.58	6.51	240.820		
1,100.00	1,079.82	905.36	904.01	4.84	3.13	-7.18	926.19	1,436.33	1,542.99	1,535.83	7.16	215.552		
1,200.00	1,173.17	973.00	970.77	5.52	3.39	-7.72	937.08	1,436.59	1,516.34	1,508.52	7.82	193.826		
1,300.00	1,265.21	1,052.49	1,048.89	6.26	3.71	-8.45	951.75	1,436.91	1,487.88	1,479.32	8.56	173.837		
1,400.00	1,355.84	1,146.81	1,141.20	7.06	4.11	-9.46	971.10	1,436.59	1,456.97	1,447.59	9.38	155.278		
1,500.00	1,444.94	1,271.90	1,263.35	7.92	4.66	-11.01	997.85	1,433.37	1,422.07	1,411.70	10.37	137.121		
1,600.00	1,532.39	1,334.18	1,323.81	8.84	4.96	-12.02	1,012.51	1,430.71	1,384.31	1,373.18	11.13	124.427		
1,700.00	1,618.11	1,420.87	1,407.34	9.83	5.39	-13.60	1,035.21	1,425.85	1,344.74	1,332.71	12.04	111.732		
1,800.00	1,701.97	1,503.49	1,486.44	10.89	5.82	-15.37	1,058.28	1,419.75	1,302.75	1,289.77	12.98	100.370		
1,900.00	1,783.88	1,565.92	1,545.88	12.02	6.17	-16.96	1,076.68	1,414.72	1,259.29	1,245.41	13.88	90.747		
1,991.28	1,856.86	1,615.08	1,592.39	13.11	6.45	-18.37	1,092.19	1,411.13	1,219.50	1,204.80	14.70	82.963		
2,000.00	1,863.75	1,619.77	1,596.81	13.21	6.47	-18.49	1,093.71	1,410.81	1,215.72	1,200.93	14.78	82.238		
2,100.00	1,942.74	1,679.00	1,652.43	14.45	6.82	-19.98	1,113.74	1,407.04	1,174.09	1,158.33	15.76	74.494		
2,200.00	2,021.72	1,736.07	1,705.36	15.69	7.24	-21.55	1,134.69	1,403.01	1,135.64	1,118.78	16.85	67.383		
2,300.00	2,100.71	1,796.51	1,760.36	16.95	7.69	-23.39	1,159.06	1,397.31	1,100.53	1,082.49	18.04	61.010		
2,400.00	2,179.70	1,854.10	1,811.66	18.21	8.13	-25.31	1,184.32	1,390.51	1,069.39	1,050.12	19.26	55.512		
2,500.00	2,258.69	1,908.80	1,859.28	19.47	8.54	-27.28	1,210.11	1,382.83	1,042.88	1,022.36	20.52	50.822		
2,600.00	2,337.68	2,006.00	1,940.97	20.74	9.27	-31.10	1,260.07	1,366.29	1,023.09	1,000.73	22.36	45.761		
2,700.00	2,416.66	2,012.98	1,946.69	22.02	9.34	-31.39	1,263.84	1,364.96	1,006.41	983.31	23.10	43.564		
2,800.00	2,495.65	2,080.70	2,002.03	23.29	9.96	-34.23	1,300.35	1,351.16	996.37	971.64	24.73	40.295		
2,900.00	2,574.64	2,128.55	2,040.65	24.57	10.42	-36.26	1,326.83	1,341.30	992.72	966.69	26.03	38.138		
2,904.45	2,578.16	2,130.68	2,042.35	24.63	10.44	-36.35	1,328.03	1,340.86	992.72	966.63	26.09	38.054	CC, ES	
3,000.00	2,653.63	2,186.42	2,086.81	25.85	10.98	-38.72	1,359.70	1,329.60	995.70	968.21	27.48	36.229		
3,100.00	2,732.62	2,253.52	2,140.33	27.14	11.65	-41.55	1,397.94	1,316.30	1,004.29	975.20	29.09	34.523		
3,200.00	2,811.61	2,323.73	2,196.38	28.42	12.37	-44.48	1,437.88	1,302.46	1,018.06	987.32	30.74	33.116		
3,300.00	2,890.59	2,386.63	2,246.65	29.71	13.01	-47.05	1,473.72	1,290.38	1,036.90	1,004.69	32.21	32.188		
3,400.00	2,969.58	2,449.74	2,297.04	31.00	13.66	-49.53	1,510.11	1,279.48	1,060.82	1,027.17	33.65	31.522		
3,500.00	3,048.57	2,516.50	2,350.33	32.29	14.35	-52.03	1,549.06	1,269.57	1,089.22	1,054.08	35.14	30.993		
3,600.00	3,127.56	2,588.20	2,407.58	33.58	15.10	-54.56	1,591.32	1,260.72	1,121.41	1,084.68	36.73	30.534		
3,700.00	3,206.55	2,665.95	2,469.69	34.87	15.89	-57.11	1,637.47	1,253.19	1,156.66	1,118.22	38.44	30.091		
3,800.00	3,285.53	2,752.51	2,538.90	36.16	16.77	-59.65	1,689.27	1,249.02	1,194.03	1,153.69	40.34	29.600		
3,900.00	3,364.52	2,838.59	2,607.84	37.45	17.63	-61.93	1,740.80	1,247.85	1,232.78	1,190.55	42.23	29.192		
4,000.00	3,443.51	2,914.67	2,668.70	38.74	18.38	-63.82	1,786.45	1,247.54	1,273.22	1,229.31	43.91	28.995		
4,100.00	3,522.50	2,982.55	2,722.96	40.04	19.07	-65.47	1,827.22	1,246.18	1,315.71	1,270.28	45.43	28.964		
4,200.00	3,601.49	3,048.05	2,775.30	41.33	19.75	-67.07	1,866.48	1,243.12	1,360.41	1,313.52	46.89	29.012		
4,300.00	3,680.47	3,117.88	2,831.06	42.63	20.47	-68.76	1,908.21	1,238.12	1,407.27	1,358.81	48.46	29.038		
4,400.00	3,759.46	3,204.54	2,900.49	43.92	21.38	-70.77	1,959.70	1,231.85	1,455.30	1,404.88	50.43	28.860		
4,500.00	3,838.45	3,288.14	2,967.41	45.22	22.25	-72.54	2,009.61	1,227.45	1,504.15	1,451.83	52.32	28.751		
4,600.00	3,917.44	3,359.94	3,024.77	46.51	23.00	-73.96	2,052.65	1,224.17	1,554.05	1,500.11	53.94	28.812		
4,700.00	3,996.43	3,477.06	3,118.99	47.81	24.21	-76.15	2,122.03	1,218.99	1,604.36	1,547.77	56.59	28.351		
4,800.00	4,075.42	3,536.78	3,167.14	49.10	24.82	-77.19	2,157.29	1,216.98	1,654.85	1,596.91	57.94	28.562		
4,900.00	4,154.40	3,612.70	3,227.85	50.40	25.61	-78.42	2,202.83	1,214.88	1,706.67	1,647.02	59.65	28.610		
5,000.00	4,233.39	3,690.23	3,289.84	51.70	26.41	-79.60	2,249.37	1,213.16	1,758.98	1,697.58	61.40	28.647		

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-20-01
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-20-01	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		
5,100.00	4,312.38	3,754.00	3,340.80	52.99	27.08	-80.55	2,287.65	1,211.13	1,812.35	1,749.51	62.84	28.843		
5,200.00	4,391.37	3,812.85	3,387.81	54.29	27.70	-81.41	2,322.94	1,208.34	1,867.00	1,802.86	64.14	29.107		
5,300.00	4,470.36	3,867.93	3,431.79	55.59	28.28	-82.22	2,355.89	1,204.66	1,923.04	1,857.69	65.35	29.426		
5,400.00	4,549.34	3,918.91	3,472.52	56.89	28.83	-82.98	2,386.22	1,200.08	1,980.55	1,914.10	66.45	29.805		
5,500.00	4,628.33	3,943.00	3,491.76	58.18	29.09	-83.34	2,400.48	1,197.48	2,039.75	1,972.88	66.88	30.501		
5,600.00	4,707.32	3,996.44	3,534.38	59.48	29.67	-84.16	2,431.87	1,190.17	2,100.44	2,032.45	67.99	30.894		
5,700.00	4,786.31	4,038.00	3,567.39	60.78	30.12	-84.83	2,455.99	1,182.74	2,163.15	2,094.35	68.80	31.441		
5,800.00	4,865.30	4,077.09	3,598.41	62.08	30.55	-85.46	2,478.38	1,174.74	2,227.35	2,157.83	69.52	32.038		
5,900.00	4,944.28	4,132.00	3,642.12	63.38	31.15	-86.36	2,509.28	1,162.49	2,292.64	2,222.01	70.63	32.461		
6,000.00	5,023.27	4,184.04	3,683.62	64.68	31.72	-87.21	2,538.10	1,150.04	2,358.87	2,287.23	71.64	32.926		
6,100.00	5,102.26	4,246.06	3,733.12	65.97	32.39	-88.20	2,572.13	1,134.58	2,425.94	2,353.04	72.90	33.278		
6,200.00	5,181.25	4,304.99	3,783.62	67.27	33.06	-89.19	2,606.60	1,119.05	2,496.68	2,409.78	74.22	33.630		
6,300.00	5,260.24	4,364.02	3,834.17	68.57	33.72	-90.17	2,641.70	1,103.52	2,571.41	2,484.04	75.58	33.982		
6,400.00	5,339.23	4,424.05	3,884.72	69.87	34.38	-91.16	2,677.24	1,087.99	2,649.56	2,562.57	76.97	34.334		
6,500.00	5,418.21	4,484.08	3,935.27	71.17	35.04	-92.14	2,713.32	1,072.48	2,729.76	2,642.32	78.39	34.686		
6,600.00	5,497.20	4,544.11	3,985.82	72.47	35.69	-93.13	2,749.85	1,057.05	2,809.94	2,729.76	79.84	35.038		
6,700.00	5,576.19	4,604.14	4,036.37	73.77	36.35	-94.11	2,786.93	1,041.62	2,890.12	2,829.94	81.29	35.390		
6,800.00	5,655.18	4,664.17	4,086.92	75.07	37.00	-95.10	2,824.06	1,026.19	2,970.29	2,919.94	82.77	35.742		
6,900.00	5,734.17	4,724.20	4,137.47	76.37	37.66	-96.08	2,861.14	1,010.76	3,050.44	3,009.94	84.25	36.094		
7,000.00	5,813.15	4,784.23	4,188.02	77.67	38.31	-97.07	2,898.22	995.33	3,130.59	3,089.94	85.73	36.446		
7,100.00	5,892.14	4,844.26	4,238.57	78.97	38.97	-98.05	2,935.30	980.42	3,210.74	3,169.94	87.21	36.798		
7,200.00	5,971.13	4,904.29	4,289.12	80.27	39.62	-99.04	2,972.42	965.51	3,280.89	3,249.94	88.69	37.150		
7,300.00	6,050.12	4,964.32	4,339.67	81.57	40.28	-100.02	3,009.54	950.60	3,351.04	3,329.94	90.17	37.502		
7,400.00	6,129.11	5,024.35	4,390.22	82.86	40.93	-101.01	3,046.66	935.69	3,421.19	3,409.94	91.65	37.854		
7,500.00	6,208.09	5,084.38	4,440.77	84.16	41.59	-102.00	3,083.78	920.78	3,491.34	3,489.94	93.13	38.206		
7,600.00	6,287.08	5,144.41	4,491.32	85.46	42.24	-103.00	3,120.86	905.87	3,561.49	3,569.94	94.61	38.558		
7,700.00	6,366.07	5,204.44	4,541.87	86.76	42.89	-104.00	3,157.94	890.96	3,631.64	3,649.94	96.09	38.910		
7,800.00	6,445.06	5,264.47	4,592.42	88.06	43.55	-105.00	3,195.02	876.05	3,701.79	3,729.94	97.57	39.262		
7,900.00	6,524.05	5,324.50	4,642.97	89.36	44.20	-106.00	3,232.10	861.14	3,771.94	3,809.94	99.05	39.614		
8,000.00	6,603.03	5,384.53	4,693.52	90.66	44.86	-107.00	3,269.18	846.23	3,842.09	3,889.94	100.53	40.000		
8,100.00	6,682.02	5,444.56	4,744.07	91.96	45.51	-108.00	3,306.26	831.32	3,912.24	3,969.94	102.01	40.392		
8,133.44	6,708.44	5,469.99	4,769.50	92.40	45.85	-108.23	3,324.42	826.41	3,930.40	3,988.10	102.45	40.480		
8,150.00	6,721.39	5,482.94	4,782.45	92.62	46.07	-108.45	3,337.37	821.50	3,943.35	3,999.05	102.67	40.530		
8,200.00	6,758.90	5,519.45	4,818.96	93.34	46.79	-109.17	3,374.45	806.59	3,989.46	4,035.16	103.39	40.832		
8,250.00	6,793.76	5,554.31	4,854.82	94.13	47.50	-110.00	3,411.53	791.68	4,035.57	4,081.27	104.11	41.134		
8,300.00	6,825.72	5,586.26	4,886.78	95.00	48.21	-111.00	3,448.61	776.77	4,081.68	4,127.38	104.83	41.436		
8,350.00	6,854.52	5,618.21	4,918.73	95.93	48.92	-112.00	3,485.69	761.86	4,131.79	4,173.49	105.55	41.738		
8,400.00	6,879.97	5,650.16	4,950.68	96.92	49.63	-113.00	3,522.77	746.95	4,181.90	4,219.60	106.27	42.040		
8,450.00	6,901.84	5,682.11	4,982.63	97.95	50.34	-114.00	3,559.85	732.04	4,232.01	4,265.71	106.99	42.342		
8,500.00	6,920.00	5,714.06	5,014.58	99.02	51.05	-115.00	3,596.93	717.13	4,282.12	4,311.82	107.71	42.644		
8,550.00	6,934.28	5,746.01	5,046.53	100.12	51.76	-116.00	3,634.01	702.22	4,332.23	4,357.93	108.43	42.946		
8,600.00	6,944.59	5,777.96	5,078.48	101.22	52.47	-117.00	3,671.09	687.31	4,382.34	4,404.04	109.15	43.248		
8,650.00	6,950.84	5,809.91	5,110.43	102.33	53.18	-118.00	3,708.17	672.40	4,432.45	4,450.15	109.87	43.550		
8,694.76	6,952.97	5,841.86	5,142.38	103.30	53.89	-119.00	3,745.25	657.49	4,482.56	4,496.26	110.59	43.852		
8,701.16	6,953.00	5,873.81	5,174.33	103.44	54.11	-119.23	3,760.34	652.58	4,497.65	4,501.35	110.81	43.900		
8,800.00	6,953.00	5,905.76	5,206.28	105.59	54.82	-120.22	3,797.42	637.67	4,547.76	4,547.46	111.53	44.202		
8,900.00	6,953.00	5,937.71	5,238.23	107.79	55.53	-121.21	3,834.50	622.76	4,597.87	4,597.57	112.25	44.504		
9,000.00	6,953.00	5,969.66	5,270.18	110.02	56.24	-122.20	3,871.58	607.85	4,647.98	4,647.68	112.97	44.806		
9,100.00	6,953.00	5,999.61	5,302.13	112.26	56.95	-123.19	3,908.66	592.94	4,698.09	4,697.79	113.69	45.108		
9,200.00	6,953.00	6,029.56	5,334.08	114.52	57.66	-124.18	3,945.74	578.03	4,748.20	4,747.90	114.41	45.410		
9,209.18	6,953.00	6,059.51	5,366.03	114.73	57.88	-124.22	3,960.83	573.12	4,763.29	4,762.99	114.63	45.458		
9,300.00	6,953.00	6,089.46	5,397.98	116.80	58.59	-125.21	3,997.91	558.21	4,813.40	4,813.10	115.35	45.760		

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-20-01
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-20-01	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	6,953.00	12,033.52	6,967.98	119.10	113.34	-91.23	4,822.31	4,967.53	2,789.42	2,564.89	224.53	12.423		
9,500.00	6,953.00	12,131.06	6,967.76	121.42	115.78	-91.23	4,826.73	5,064.97	2,794.16	2,564.60	229.56	12.172		
9,600.00	6,953.00	12,251.00	6,966.73	123.75	118.79	-91.20	4,830.33	5,184.84	2,797.15	2,562.38	234.77	11.914		
9,700.00	6,953.00	12,299.74	6,966.52	126.10	120.03	-91.20	4,832.24	5,233.55	2,801.59	2,562.14	239.44	11.700		
9,800.00	6,953.00	12,345.00	6,966.61	128.46	121.17	-91.20	4,835.35	5,278.70	2,808.42	2,564.39	244.02	11.509		
9,900.00	6,953.00	12,406.79	6,966.56	130.84	122.75	-91.20	4,840.61	5,340.26	2,816.96	2,568.25	248.71	11.326		
10,000.00	6,953.00	12,505.33	6,965.39	133.23	125.26	-91.17	4,849.36	5,438.41	2,826.02	2,572.23	253.79	11.135		
10,100.00	6,953.00	12,636.86	6,963.83	135.63	128.63	-91.13	4,860.34	5,569.46	2,834.59	2,575.35	259.25	10.934		
10,200.00	6,953.00	12,823.08	6,962.00	138.04	133.41	-91.09	4,871.15	5,755.36	2,840.30	2,575.11	265.19	10.711		
10,300.00	6,953.00	13,197.00	6,958.18	140.46	142.97	-91.02	4,865.97	6,128.98	2,835.86	2,564.25	271.61	10.441		
10,400.00	6,953.00	13,305.49	6,956.92	142.90	145.75	-90.99	4,860.36	6,237.31	2,830.89	2,554.08	276.80	10.227		
10,500.00	6,953.00	13,386.00	6,955.99	145.34	147.81	-90.97	4,856.48	6,317.72	2,826.22	2,544.24	281.98	10.023		
10,600.00	6,953.00	13,432.37	6,955.45	147.80	149.01	-90.96	4,854.84	6,364.06	2,822.79	2,535.70	287.09	9.832		
10,700.00	6,953.00	13,480.00	6,954.90	150.26	150.24	-90.95	4,853.91	6,411.68	2,821.11	2,528.97	292.14	9.657		
10,719.70	6,953.00	13,480.00	6,954.90	150.75	150.24	-90.95	4,853.91	6,411.68	2,821.04	2,527.96	293.08	9.625		
10,800.00	6,953.00	13,519.87	6,954.46	152.73	151.28	-90.94	4,853.94	6,451.55	2,821.43	2,524.37	297.06	9.498		
10,900.00	6,953.00	13,575.00	6,953.97	155.21	152.71	-90.93	4,855.52	6,506.65	2,824.12	2,522.14	301.98	9.352		
11,000.00	6,953.00	13,613.87	6,953.63	157.70	153.73	-90.93	4,857.36	6,545.47	2,828.54	2,521.86	306.69	9.223		
11,100.00	6,953.00	13,764.00	6,951.95	160.20	157.65	-90.89	4,863.21	6,695.46	2,832.53	2,520.18	312.35	9.068		
11,200.00	6,953.00	13,819.80	6,951.89	162.70	159.11	-90.89	4,864.64	6,751.24	2,835.92	2,518.72	317.20	8.941		
11,300.00	6,953.00	13,859.00	6,952.23	165.21	160.13	-90.89	4,867.10	6,790.36	2,842.14	2,520.34	321.79	8.832		
11,400.00	6,953.00	13,859.00	6,952.23	167.73	160.13	-90.89	4,867.10	6,790.36	2,850.97	2,525.28	325.69	8.754		
11,500.00	6,953.00	13,918.60	6,953.27	170.25	161.70	-90.91	4,872.91	6,849.66	2,861.48	2,531.23	330.25	8.665		
11,600.00	6,953.00	14,360.92	6,956.31	172.78	173.29	-90.97	4,894.09	7,290.64	2,863.09	2,524.02	339.07	8.444		
11,700.00	6,953.00	14,427.00	6,956.25	175.31	175.03	-90.97	4,894.98	7,356.71	2,864.33	2,520.16	344.17	8.322		
11,800.00	6,953.00	14,499.01	6,956.32	177.85	176.92	-90.97	4,896.73	7,428.70	2,866.71	2,517.45	349.27	8.208		
11,900.00	6,953.00	14,918.32	6,955.57	180.40	187.92	-90.96	4,882.55	7,847.48	2,864.13	2,509.36	354.76	8.073		
12,000.00	6,953.00	15,028.02	6,954.61	182.95	190.78	-90.94	4,871.80	7,956.65	2,854.47	2,494.49	359.98	7.929		
12,100.00	6,953.00	15,090.00	6,954.20	185.50	192.39	-90.93	4,866.48	8,018.39	2,846.00	2,480.53	365.47	7.787		
12,200.00	6,953.00	15,090.00	6,954.20	188.06	192.39	-90.93	4,866.48	8,018.39	2,839.79	2,468.75	371.04	7.654		
12,300.00	6,953.00	15,140.02	6,953.95	190.63	193.71	-90.93	4,863.83	8,068.34	2,835.45	2,459.12	376.33	7.534		
12,400.00	6,953.00	15,184.00	6,953.76	193.20	194.87	-90.93	4,863.48	8,112.31	2,834.24	2,452.74	381.50	7.429		
12,420.35	6,953.00	15,184.00	6,953.76	193.72	194.87	-90.93	4,863.48	8,112.31	2,834.17	2,451.67	382.50	7.410		
12,500.00	6,953.00	15,184.00	6,953.76	195.77	194.87	-90.93	4,863.48	8,112.31	2,835.29	2,449.06	386.23	7.341		
12,600.00	6,953.00	15,279.00	6,953.35	198.35	197.39	-90.92	4,866.03	8,207.27	2,838.18	2,446.68	391.50	7.250		
12,700.00	6,953.00	15,353.52	6,952.97	200.93	199.37	-90.91	4,868.91	8,281.74	2,842.08	2,445.50	396.58	7.166		
12,800.00	6,953.00	15,440.08	6,952.44	203.51	201.67	-90.90	4,872.21	8,368.23	2,846.10	2,444.35	401.76	7.084		
12,900.00	6,953.00	15,567.00	6,951.66	206.10	205.04	-90.88	4,877.00	8,495.06	2,850.11	2,442.79	407.32	6.997		
13,000.00	6,953.00	15,567.00	6,951.66	208.69	205.04	-90.88	4,877.00	8,495.06	2,855.26	2,443.75	411.51	6.938		
13,100.00	6,953.00	15,567.00	6,951.66	211.29	205.04	-90.88	4,877.00	8,495.06	2,863.89	2,448.68	415.22	6.897		
13,200.00	6,953.00	15,567.00	6,951.66	213.88	205.04	-90.88	4,877.00	8,495.06	2,875.98	2,457.55	418.44	6.873		
13,300.00	6,953.00	15,567.00	6,951.66	216.48	205.04	-90.88	4,877.00	8,495.06	2,891.48	2,470.31	421.17	6.865 SF		
13,400.00	6,953.00	15,567.00	6,951.66	219.09	205.04	-90.88	4,877.00	8,495.06	2,910.33	2,486.92	423.41	6.873		
13,500.00	6,953.00	15,567.00	6,951.66	221.69	205.04	-90.88	4,877.00	8,495.06	2,932.48	2,507.29	425.19	6.897		
13,600.00	6,953.00	15,567.00	6,951.66	224.30	205.04	-90.88	4,877.00	8,495.06	2,957.84	2,531.33	426.51	6.935		
13,700.00	6,953.00	15,567.00	6,951.66	226.92	205.04	-90.88	4,877.00	8,495.06	2,986.34	2,558.95	427.39	6.987		
13,800.00	6,953.00	15,567.00	6,951.66	229.53	205.04	-90.88	4,877.00	8,495.06	3,017.88	2,590.03	427.85	7.054		
13,900.00	6,953.00	15,567.00	6,951.66	232.15	205.04	-90.88	4,877.00	8,495.06	3,052.37	2,624.46	427.91	7.133		
14,000.00	6,953.00	15,567.00	6,951.66	234.77	205.04	-90.88	4,877.00	8,495.06	3,089.72	2,662.10	427.61	7.225		
14,100.00	6,953.00	15,567.00	6,951.66	237.39	205.04	-90.88	4,877.00	8,495.06	3,129.82	2,702.84	426.97	7.330		
14,200.00	6,953.00	15,567.00	6,951.66	240.01	205.04	-90.88	4,877.00	8,495.06	3,172.56	2,746.54	426.02	7.447		
14,300.00	6,953.00	15,567.00	6,951.66	242.64	205.04	-90.88	4,877.00	8,495.06	3,217.84	2,793.06	424.78	7.575		

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-20-01
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-20-01	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		
14,400.00	6,953.00	15,567.00	6,951.66	245.27	205.04	-90.88	4,877.00	8,495.06	3,265.56	2,842.28	423.29	7.715		
14,500.00	6,953.00	15,567.00	6,951.66	247.90	205.04	-90.88	4,877.00	8,495.06	3,315.61	2,894.05	421.56	7.865		
14,600.00	6,953.00	15,567.00	6,951.66	250.53	205.04	-90.88	4,877.00	8,495.06	3,367.89	2,948.25	419.64	8.026		
14,700.00	6,953.00	15,567.00	6,951.66	253.16	205.04	-90.88	4,877.00	8,495.06	3,422.29	3,004.75	417.53	8.196		
14,800.00	6,953.00	15,567.00	6,951.66	255.80	205.04	-90.88	4,877.00	8,495.06	3,478.71	3,063.44	415.28	8.377		
14,900.00	6,953.00	15,567.00	6,951.66	258.43	205.04	-90.88	4,877.00	8,495.06	3,537.06	3,124.18	412.89	8.567		
15,000.00	6,953.00	15,567.00	6,951.66	261.07	205.04	-90.88	4,877.00	8,495.06	3,597.25	3,186.87	410.39	8.766		
15,100.00	6,953.00	15,567.00	6,951.66	263.71	205.04	-90.88	4,877.00	8,495.06	3,659.18	3,251.39	407.79	8.973		
15,200.00	6,953.00	15,567.00	6,951.66	266.36	205.04	-90.88	4,877.00	8,495.06	3,722.77	3,317.64	405.12	9.189		
15,300.00	6,953.00	15,567.00	6,951.66	269.00	205.04	-90.88	4,877.00	8,495.06	3,787.92	3,385.53	402.39	9.413		
15,400.00	6,953.00	15,567.00	6,951.66	271.65	205.04	-90.88	4,877.00	8,495.06	3,854.58	3,454.96	399.62	9.646		
15,500.00	6,953.00	15,567.00	6,951.66	274.29	205.04	-90.88	4,877.00	8,495.06	3,922.64	3,525.83	396.81	9.885		
15,600.00	6,953.00	15,567.00	6,951.66	276.94	205.04	-90.88	4,877.00	8,495.06	3,992.06	3,598.07	393.99	10.132		
15,700.00	6,953.00	15,567.00	6,951.66	279.59	205.04	-90.88	4,877.00	8,495.06	4,062.75	3,671.60	391.15	10.387		
15,800.00	6,953.00	15,567.00	6,951.66	282.24	205.04	-90.88	4,877.00	8,495.06	4,134.65	3,746.34	388.31	10.648		
15,900.00	6,953.00	15,567.00	6,951.66	284.90	205.04	-90.88	4,877.00	8,495.06	4,207.69	3,822.22	385.48	10.916		
16,000.00	6,953.00	15,567.00	6,951.66	287.55	205.04	-90.88	4,877.00	8,495.06	4,281.83	3,899.17	382.66	11.190		
16,100.00	6,953.00	15,567.00	6,951.66	290.20	205.04	-90.88	4,877.00	8,495.06	4,357.00	3,977.15	379.85	11.470		
16,200.00	6,953.00	15,567.00	6,951.66	292.86	205.04	-90.88	4,877.00	8,495.06	4,433.15	4,056.07	377.08	11.757		
16,300.00	6,953.00	15,567.00	6,951.66	295.52	205.04	-90.88	4,877.00	8,495.06	4,510.24	4,135.90	374.33	12.049		
16,400.00	6,953.00	15,567.00	6,951.66	298.18	205.04	-90.88	4,877.00	8,495.06	4,588.20	4,216.59	371.62	12.347		
16,500.00	6,953.00	15,567.00	6,951.66	300.84	205.04	-90.88	4,877.00	8,495.06	4,667.01	4,298.07	368.94	12.650		
16,600.00	6,953.00	15,567.00	6,951.66	303.50	205.04	-90.88	4,877.00	8,495.06	4,746.62	4,380.32	366.30	12.958		
16,700.00	6,953.00	15,567.00	6,951.66	306.16	205.04	-90.88	4,877.00	8,495.06	4,826.98	4,463.29	363.70	13.272		
16,800.00	6,953.00	15,567.00	6,951.66	308.82	205.04	-90.88	4,877.00	8,495.06	4,908.07	4,546.93	361.14	13.590		
16,900.00	6,953.00	15,567.00	6,951.66	311.49	205.04	-90.88	4,877.00	8,495.06	4,989.84	4,631.22	358.63	13.914		
17,000.00	6,953.00	15,567.00	6,951.66	314.15	205.04	-90.88	4,877.00	8,495.06	5,072.27	4,716.11	356.16	14.242		
17,100.00	6,953.00	15,567.00	6,951.66	316.82	205.04	-90.88	4,877.00	8,495.06	5,155.32	4,801.58	353.74	14.574		
17,200.00	6,953.00	15,567.00	6,951.66	319.48	205.04	-90.88	4,877.00	8,495.06	5,238.96	4,887.60	351.36	14.911		
17,300.00	6,953.00	15,567.00	6,951.66	322.15	205.04	-90.88	4,877.00	8,495.06	5,323.16	4,974.14	349.03	15.251		
17,400.00	6,953.00	15,567.00	6,951.66	324.82	205.04	-90.88	4,877.00	8,495.06	5,407.91	5,061.16	346.75	15.596		
17,500.00	6,953.00	15,567.00	6,951.66	327.49	205.04	-90.88	4,877.00	8,495.06	5,493.16	5,148.66	344.51	15.945		
17,600.00	6,953.00	15,567.00	6,951.66	330.16	205.04	-90.88	4,877.00	8,495.06	5,578.91	5,236.59	342.32	16.297		
17,700.00	6,953.00	15,567.00	6,951.66	332.83	205.04	-90.88	4,877.00	8,495.06	5,665.12	5,324.95	340.17	16.654		
17,800.00	6,953.00	15,567.00	6,951.66	335.50	205.04	-90.88	4,877.00	8,495.06	5,751.78	5,413.71	338.07	17.013		
17,900.00	6,953.00	15,567.00	6,951.66	338.17	205.04	-90.88	4,877.00	8,495.06	5,838.87	5,502.85	336.02	17.377		
18,000.00	6,953.00	15,567.00	6,951.66	340.85	205.04	-90.88	4,877.00	8,495.06	5,926.36	5,592.36	334.01	17.743		
18,100.00	6,953.00	15,567.00	6,951.66	343.52	205.04	-90.88	4,877.00	8,495.06	6,014.25	5,682.21	332.04	18.113		
18,200.00	6,953.00	15,567.00	6,951.66	346.19	205.04	-90.88	4,877.00	8,495.06	6,102.50	5,772.39	330.12	18.486		
18,300.00	6,953.00	15,567.00	6,951.66	348.87	205.04	-90.88	4,877.00	8,495.06	6,191.12	5,862.88	328.24	18.862		
18,400.00	6,953.00	15,567.00	6,951.66	351.55	205.04	-90.88	4,877.00	8,495.06	6,280.07	5,953.68	326.40	19.241		
18,500.00	6,953.00	15,567.00	6,951.66	354.22	205.04	-90.88	4,877.00	8,495.06	6,369.36	6,044.76	324.60	19.622		
18,600.00	6,953.00	15,567.00	6,951.66	356.90	205.04	-90.88	4,877.00	8,495.06	6,458.95	6,136.12	322.84	20.007		
18,700.00	6,953.00	15,567.00	6,951.66	359.58	205.04	-90.88	4,877.00	8,495.06	6,548.85	6,227.74	321.12	20.394		
18,800.00	6,953.00	15,567.00	6,951.66	362.26	205.04	-90.88	4,877.00	8,495.06	6,639.04	6,319.61	319.44	20.784		
18,900.00	6,953.00	15,567.00	6,951.66	364.94	205.04	-90.88	4,877.00	8,495.06	6,729.51	6,411.72	317.79	21.176		
19,000.00	6,953.00	15,567.00	6,951.66	367.62	205.04	-90.88	4,877.00	8,495.06	6,820.24	6,504.06	316.18	21.571		
19,073.74	6,953.00	15,567.00	6,951.66	369.59	205.04	-90.88	4,877.00	8,495.06	6,887.31	6,572.29	315.02	21.863		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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	58.33	58.33	0.27	0.13	58.45	884.52	1,440.79	1,690.64	1,690.24	0.40	4,273.158		
200.00	199.98	161.48	161.48	0.63	0.49	-4.99	884.10	1,440.52	1,688.46	1,687.34	1.12	1,505.754		
300.00	299.84	254.39	254.39	0.99	0.82	-5.00	883.84	1,440.62	1,683.18	1,681.37	1.81	928.870		
400.00	399.45	365.49	365.49	1.36	1.21	-5.03	883.35	1,440.61	1,674.27	1,671.70	2.58	650.170		
500.00	498.70	472.72	472.72	1.76	1.59	-5.10	882.82	1,439.68	1,661.13	1,657.81	3.33	499.540		
600.00	597.47	556.39	556.37	2.18	1.89	-5.20	883.15	1,438.62	1,644.72	1,640.73	3.99	412.580		
700.00	695.62	632.37	632.29	2.63	2.15	-5.38	885.72	1,437.41	1,626.15	1,621.53	4.62	351.838		
800.00	793.06	706.26	706.01	3.11	2.40	-5.66	890.58	1,435.97	1,605.55	1,600.29	5.26	305.436		
900.00	889.64	785.00	784.31	3.64	2.68	-6.07	898.61	1,434.29	1,583.26	1,577.34	5.92	267.388		
1,000.00	985.27	871.67	870.32	4.22	3.00	-6.60	909.13	1,432.25	1,558.57	1,551.94	6.63	234.969		
1,100.00	1,079.82	951.68	949.61	4.84	3.30	-7.17	919.61	1,430.10	1,530.98	1,523.64	7.34	208.660		
1,200.00	1,173.17	1,032.38	1,029.35	5.52	3.62	-7.86	931.82	1,427.81	1,501.19	1,493.12	8.06	186.186		
1,300.00	1,265.21	1,117.41	1,113.20	6.26	3.97	-8.67	945.74	1,425.41	1,469.01	1,460.18	8.83	166.434		
1,400.00	1,355.84	1,198.25	1,192.66	7.06	4.31	-9.58	960.31	1,422.60	1,434.28	1,424.68	9.60	149.467		
1,500.00	1,444.94	1,272.77	1,265.51	7.92	4.64	-10.59	975.67	1,419.55	1,397.65	1,387.28	10.37	134.793		
1,600.00	1,532.39	1,350.00	1,340.57	8.84	4.99	-11.81	993.47	1,415.78	1,359.13	1,347.94	11.19	121.485		
1,700.00	1,618.11	1,408.44	1,396.91	9.83	5.29	-12.94	1,008.65	1,412.62	1,319.35	1,307.39	11.96	110.278		
1,800.00	1,701.97	1,467.82	1,453.58	10.89	5.59	-14.25	1,026.06	1,409.31	1,279.07	1,266.29	12.78	100.075		
1,900.00	1,783.88	1,530.71	1,513.07	12.02	5.94	-15.80	1,046.14	1,405.77	1,238.20	1,224.54	13.67	90.600		
1,991.28	1,856.86	1,602.50	1,580.49	13.11	6.35	-17.73	1,070.40	1,401.42	1,200.14	1,185.52	14.62	82.094		
2,000.00	1,863.75	1,611.64	1,589.06	13.21	6.41	-17.96	1,073.53	1,400.81	1,196.42	1,181.69	14.73	81.218		
2,100.00	1,942.74	1,700.90	1,672.70	14.45	6.94	-20.30	1,103.93	1,393.81	1,154.05	1,138.14	15.92	72.499		
2,200.00	2,021.72	1,772.00	1,739.08	15.69	7.38	-22.29	1,128.76	1,388.26	1,114.01	1,096.95	17.06	65.281		
2,300.00	2,100.71	1,825.63	1,788.80	16.95	7.73	-23.89	1,148.43	1,384.13	1,077.10	1,058.94	18.16	59.301		
2,400.00	2,179.70	1,885.98	1,844.12	18.21	8.14	-25.80	1,172.00	1,379.08	1,043.93	1,024.54	19.39	53.852		
2,500.00	2,258.69	1,945.41	1,897.87	19.47	8.56	-27.82	1,196.76	1,373.50	1,014.91	994.23	20.68	49.078		
2,600.00	2,337.68	2,006.05	1,951.90	20.74	9.02	-30.01	1,223.53	1,367.14	990.50	968.44	22.06	44.891		
2,700.00	2,416.66	2,069.34	2,007.50	22.02	9.51	-32.41	1,252.85	1,359.74	971.00	947.45	23.55	41.231		
2,800.00	2,495.65	2,142.20	2,070.43	23.29	10.12	-35.36	1,287.85	1,348.71	956.13	930.87	25.25	37.862		
2,900.00	2,574.64	2,201.76	2,120.93	24.57	10.64	-37.91	1,317.39	1,337.60	946.58	919.75	26.83	35.286		
3,000.00	2,653.63	2,258.46	2,168.20	25.85	11.16	-40.41	1,346.42	1,325.85	943.34	914.98	28.35	33.270 CC		
3,004.45	2,657.14	2,261.06	2,170.35	25.91	11.18	-40.53	1,347.76	1,325.28	943.34	914.92	28.42	33.189 ES		
3,100.00	2,732.62	2,315.34	2,214.91	27.14	11.70	-42.98	1,376.20	1,312.93	946.58	916.72	29.87	31.692		
3,200.00	2,811.61	2,386.37	2,272.46	28.42	12.39	-46.25	1,413.75	1,294.99	956.14	924.50	31.64	30.215		
3,300.00	2,890.59	2,466.43	2,337.08	29.71	13.19	-50.01	1,454.82	1,271.62	970.82	937.23	33.59	28.900		
3,400.00	2,969.58	2,539.55	2,396.19	31.00	13.93	-53.47	1,490.81	1,248.01	990.51	955.16	35.35	28.023		
3,500.00	3,048.57	2,594.00	2,440.25	32.29	14.49	-56.00	1,517.53	1,230.41	1,016.11	979.48	36.62	27.747		
3,600.00	3,127.56	2,648.95	2,484.73	33.58	15.06	-58.47	1,545.00	1,213.52	1,047.49	1,009.66	37.83	27.689		
3,700.00	3,206.55	2,706.78	2,531.64	34.87	15.66	-60.92	1,574.90	1,197.72	1,084.00	1,044.95	39.06	27.756		
3,800.00	3,285.53	2,775.99	2,587.88	36.16	16.37	-63.57	1,612.41	1,183.01	1,124.61	1,084.09	40.52	27.753		
3,900.00	3,364.52	2,864.30	2,659.56	37.45	17.26	-66.40	1,662.93	1,172.89	1,167.66	1,125.23	42.43	27.520		
4,000.00	3,443.51	2,955.97	2,733.88	38.74	18.16	-68.89	1,716.42	1,168.69	1,211.55	1,167.15	44.41	27.282		
4,100.00	3,522.50	3,043.92	2,805.20	40.04	19.00	-71.04	1,767.85	1,166.74	1,256.41	1,210.11	46.31	27.133		
4,200.00	3,601.49	3,130.53	2,875.37	41.33	19.83	-72.95	1,818.61	1,166.58	1,301.99	1,253.82	48.18	27.025		
4,300.00	3,680.47	3,207.84	2,937.96	42.63	20.57	-74.54	1,864.00	1,166.96	1,348.54	1,298.70	49.85	27.053		
4,400.00	3,759.46	3,272.84	2,990.61	43.92	21.20	-75.86	1,902.10	1,166.14	1,396.71	1,345.46	51.25	27.254		
4,500.00	3,838.45	3,343.39	3,047.77	45.22	21.90	-77.26	1,943.39	1,163.94	1,446.53	1,393.75	52.78	27.408		
4,600.00	3,917.44	3,418.84	3,108.85	46.51	22.65	-78.70	1,987.60	1,161.13	1,497.59	1,443.17	54.42	27.517		
4,700.00	3,996.43	3,492.91	3,168.78	47.81	23.39	-80.04	2,031.03	1,158.40	1,549.53	1,493.49	56.04	27.652		
4,800.00	4,075.42	3,565.00	3,227.17	49.10	24.12	-81.31	2,073.14	1,154.56	1,602.80	1,545.19	57.60	27.824		
4,900.00	4,154.40	3,626.99	3,277.51	50.40	24.76	-82.40	2,109.03	1,150.13	1,657.26	1,598.33	58.93	28.124		
5,000.00	4,233.39	3,724.89	3,357.62	51.70	25.75	-84.07	2,164.73	1,142.03	1,712.38	1,651.30	61.08	28.035		

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-20-01
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-20-01	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	4,312.38	3,796.39	3,416.58	52.99	26.47	-85.23	2,204.79	1,136.50	1,767.27	1,704.66	62.62	28.224		
5,200.00	4,391.37	3,848.00	3,458.68	54.29	27.00	-86.01	2,234.39	1,132.65	1,823.61	1,759.92	63.69	28.634		
5,300.00	4,470.36	3,898.72	3,499.79	55.59	27.53	-86.76	2,263.79	1,128.32	1,881.50	1,816.78	64.72	29.069		
5,400.00	4,549.34	3,942.00	3,534.78	56.89	27.98	-87.40	2,288.83	1,123.65	1,941.04	1,875.47	65.57	29.602		
5,500.00	4,628.33	3,997.93	3,580.03	58.18	28.57	-88.24	2,320.87	1,116.30	2,001.98	1,935.27	66.71	30.012		
5,600.00	4,707.32	4,052.89	3,624.65	59.48	29.15	-89.07	2,351.79	1,107.69	2,064.15	1,996.34	67.81	30.442		
5,700.00	4,786.31	4,119.76	3,679.05	60.78	29.86	-90.08	2,389.00	1,096.43	2,127.14	2,057.95	69.18	30.747		
5,800.00	4,865.30	4,198.37	3,743.06	62.08	30.69	-91.20	2,432.65	1,083.15	2,190.58	2,119.74	70.84	30.923		
5,900.00	4,944.28	4,480.91	3,973.81	63.38	33.61	-94.36	2,592.48	1,054.22	2,252.66	2,175.47	77.19	29.183		
6,000.00	5,023.27	4,593.11	4,066.13	64.68	34.71	-95.27	2,656.23	1,052.97	2,308.27	2,228.66	79.60	28.997		
6,100.00	5,102.26	4,654.68	4,116.61	65.97	35.32	-95.75	2,691.45	1,052.24	2,364.62	2,283.69	80.93	29.218		
6,200.00	5,181.25	4,697.00	4,151.29	67.27	35.73	-96.07	2,715.70	1,051.39	2,421.88	2,340.05	81.83	29.598		
6,300.00	5,260.24	4,757.05	4,200.53	68.57	36.34	-96.53	2,750.00	1,049.17	2,480.13	2,397.03	83.10	29.846		
6,400.00	5,339.23	4,792.00	4,229.23	69.87	36.69	-96.81	2,769.83	1,047.13	2,539.69	2,455.90	83.80	30.308		
6,500.00	5,418.21	4,856.18	4,281.90	71.17	37.35	-97.32	2,806.21	1,042.45	2,600.18	2,515.04	85.14	30.540		
6,600.00	5,497.20	4,943.27	4,353.18	72.47	38.24	-98.00	2,855.77	1,035.55	2,661.39	2,574.39	87.00	30.590		
6,700.00	5,576.19	5,025.30	4,420.26	73.77	39.08	-98.58	2,902.67	1,030.19	2,722.03	2,633.28	88.75	30.671		
6,800.00	5,655.18	5,075.00	4,460.97	75.07	39.59	-98.93	2,930.95	1,026.57	2,783.21	2,693.44	89.77	31.005		
6,900.00	5,734.17	5,137.30	4,512.03	76.37	40.23	-99.36	2,966.27	1,021.35	2,845.06	2,754.00	91.06	31.244		
7,000.00	5,813.15	5,169.00	4,538.00	77.67	40.56	-99.59	2,984.20	1,018.38	2,907.81	2,816.16	91.64	31.729		
7,100.00	5,892.14	5,228.15	4,586.44	78.97	41.17	-100.00	3,017.53	1,012.01	2,971.32	2,878.47	92.85	32.002		
7,200.00	5,971.13	5,264.00	4,615.80	80.27	41.55	-100.26	3,037.63	1,007.54	3,035.87	2,942.36	93.50	32.467		
7,300.00	6,050.12	5,317.17	4,659.32	81.57	42.10	-100.65	3,067.26	1,000.19	3,101.22	3,006.67	94.55	32.799		
7,400.00	6,129.11	5,365.33	4,698.76	82.86	42.61	-101.00	3,093.91	992.87	3,167.35	3,071.87	95.48	33.174		
7,500.00	6,208.09	5,432.85	4,754.05	84.16	43.32	-101.49	3,131.18	982.25	3,233.91	3,137.06	96.85	33.391		
7,600.00	6,287.08	5,501.87	4,811.69	85.46	44.03	-101.98	3,168.40	971.66	3,302.85	3,207.08	98.17	33.618		
7,700.00	6,366.07	5,571.00	4,871.00	86.76	44.74	-102.47	3,205.63	960.13	3,372.79	3,277.19	99.49	33.845		
7,800.00	6,445.06	5,640.13	4,930.31	88.06	45.45	-102.96	3,242.86	948.66	3,443.73	3,348.23	100.81	34.072		
7,900.00	6,524.05	5,709.26	4,989.62	89.36	46.16	-103.45	3,280.09	937.19	3,514.67	3,419.27	102.13	34.299		
8,000.00	6,603.03	5,778.39	5,048.93	90.66	46.87	-103.94	3,317.32	925.72	3,585.61	3,490.31	103.45	34.526		
8,100.00	6,682.02	5,847.52	5,108.24	91.96	47.58	-104.43	3,354.55	914.25	3,656.55	3,561.35	104.77	34.753		
8,133.44	6,708.44	5,873.00	5,133.71	92.40	47.81	-104.62	3,370.00	909.00	3,681.00	3,586.00	105.00	34.800		
8,150.00	6,721.39	5,886.00	5,146.66	92.62	47.91	-104.74	3,380.00	904.00	3,696.00	3,596.00	105.20	34.840		
8,200.00	6,758.90	5,923.00	5,184.00	93.34	48.41	-105.20	3,400.00	896.00	3,716.00	3,616.00	105.60	34.920		
8,250.00	6,793.76	5,957.86	5,218.86	94.13	48.91	-105.66	3,420.00	888.00	3,736.00	3,636.00	106.00	35.000		
8,300.00	6,825.72	5,991.82	5,253.72	95.00	49.41	-106.12	3,440.00	880.00	3,756.00	3,656.00	106.40	35.080		
8,350.00	6,854.52	6,025.78	5,288.58	95.93	49.91	-106.58	3,460.00	872.00	3,776.00	3,676.00	106.80	35.160		
8,400.00	6,879.97	6,059.74	5,323.44	96.92	50.41	-107.04	3,480.00	864.00	3,796.00	3,696.00	107.20	35.240		
8,450.00	6,901.84	6,091.61	5,355.31	97.95	50.91	-107.50	3,500.00	856.00	3,816.00	3,716.00	107.60	35.320		
8,500.00	6,920.00	6,123.48	5,387.18	99.02	51.41	-107.96	3,520.00	848.00	3,836.00	3,736.00	108.00	35.400		
8,550.00	6,934.28	6,155.35	5,419.05	100.12	51.91	-108.42	3,540.00	840.00	3,856.00	3,756.00	108.40	35.480		
8,600.00	6,944.59	6,187.22	5,450.92	101.22	52.41	-108.88	3,560.00	832.00	3,876.00	3,776.00	108.80	35.560		
8,650.00	6,950.84	6,219.09	5,482.79	102.33	52.91	-109.34	3,580.00	824.00	3,896.00	3,796.00	109.20	35.640		
8,669.19	6,952.16	6,231.96	5,495.66	102.74	53.11	-109.44	3,590.00	820.00	3,906.00	3,806.00	109.60	35.680		
8,701.16	6,953.00	6,244.83	5,508.53	103.44	53.61	-109.90	3,610.00	812.00	3,926.00	3,826.00	110.00	35.760		
8,800.00	6,953.00	6,276.70	5,540.40	105.59	54.61	-110.90	3,640.00	804.00	3,956.00	3,856.00	112.00	35.840		
8,900.00	6,953.00	6,308.57	5,572.27	107.79	55.61	-111.90	3,670.00	796.00	3,986.00	3,886.00	114.00	35.920		
8,977.12	6,953.00	6,340.44	5,604.14	109.51	56.61	-112.90	3,700.00	788.00	4,016.00	3,916.00	116.00	36.000		
9,000.00	6,953.00	6,372.31	5,636.01	110.02	57.11	-113.40	3,720.00	780.00	4,036.00	3,936.00	116.40	36.040		
9,100.00	6,953.00	6,404.18	5,667.88	112.26	58.11	-114.40	3,750.00	772.00	4,066.00	3,966.00	118.40	36.120		
9,200.00	6,953.00	6,436.05	5,699.75	114.52	59.11	-115.40	3,780.00	764.00	4,096.00	3,996.00	120.40	36.200		
9,300.00	6,953.00	6,467.92	5,731.62	116.80	60.11	-116.40	3,810.00	756.00	4,126.00	4,026.00	122.40	36.280		

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-20-01
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-20-01	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		
9,400.00	6,953.00	12,427.88	7,264.39	119.10	118.20	-97.22	4,849.86	5,035.87	2,836.74	2,612.02	224.72	12.624		
9,500.00	6,953.00	12,484.51	7,263.87	121.42	119.62	-97.20	4,851.32	5,092.48	2,839.42	2,609.94	229.49	12.373		
9,600.00	6,953.00	12,533.00	7,263.39	123.75	120.84	-97.19	4,853.36	5,140.92	2,843.76	2,609.59	234.17	12.144		
9,700.00	6,953.00	12,628.00	7,262.55	126.10	123.25	-97.16	4,858.39	5,235.79	2,849.11	2,609.92	239.19	11.911		
9,800.00	6,953.00	12,986.19	7,259.61	128.46	132.32	-97.09	4,863.09	5,593.79	2,851.70	2,606.16	245.54	11.614		
9,900.00	6,953.00	13,080.53	7,258.42	130.84	134.71	-97.07	4,859.52	5,688.06	2,848.00	2,597.38	250.62	11.364		
10,000.00	6,953.00	13,141.24	7,257.68	133.23	136.25	-97.06	4,857.74	5,748.74	2,845.22	2,589.58	255.65	11.130		
10,100.00	6,953.00	13,196.00	7,257.09	135.63	137.65	-97.05	4,857.06	5,803.49	2,844.05	2,583.43	260.62	10.913		
10,111.50	6,953.00	13,196.00	7,257.09	135.90	137.65	-97.05	4,857.06	5,803.49	2,844.02	2,582.86	261.16	10.890		
10,200.00	6,953.00	13,250.24	7,256.53	138.04	139.04	-97.04	4,857.26	5,857.72	2,844.47	2,578.92	265.55	10.712		
10,300.00	6,953.00	13,330.06	7,255.75	140.46	141.09	-97.02	4,858.75	5,937.52	2,846.34	2,575.75	270.59	10.519		
10,400.00	6,953.00	13,481.39	7,255.41	142.90	144.99	-97.01	4,860.05	6,088.85	2,847.38	2,571.39	275.99	10.317		
10,500.00	6,953.00	13,626.61	7,255.17	145.34	148.74	-97.01	4,858.52	6,234.05	2,846.45	2,565.15	281.30	10.119		
10,600.00	6,953.00	13,775.54	7,254.88	147.80	152.58	-97.01	4,854.96	6,382.94	2,844.33	2,557.77	286.56	9.926		
10,700.00	6,953.00	13,846.46	7,254.67	150.26	154.42	-97.01	4,853.04	6,453.83	2,841.77	2,550.08	291.69	9.742		
10,800.00	6,953.00	13,914.21	7,254.35	152.73	156.18	-97.00	4,851.81	6,521.57	2,840.13	2,543.34	296.79	9.570		
10,895.85	6,953.00	13,980.41	7,254.08	155.11	157.90	-97.00	4,851.39	6,587.77	2,839.66	2,538.00	301.66	9.413		
10,900.00	6,953.00	13,983.48	7,254.07	155.21	157.98	-97.00	4,851.38	6,590.84	2,839.66	2,537.79	301.87	9.407		
11,000.00	6,953.00	14,047.00	7,253.99	157.70	159.63	-97.00	4,851.54	6,654.36	2,840.19	2,533.29	306.90	9.255		
11,100.00	6,953.00	14,123.70	7,254.04	160.20	161.64	-97.00	4,852.52	6,731.06	2,841.73	2,529.76	311.97	9.109		
11,200.00	6,953.00	14,219.16	7,254.35	162.70	164.14	-97.00	4,854.55	6,826.49	2,844.09	2,526.95	317.14	8.968		
11,300.00	6,953.00	14,462.06	7,256.37	165.21	170.49	-97.04	4,852.29	7,069.33	2,842.90	2,520.04	322.86	8.805		
11,400.00	6,953.00	14,543.64	7,256.98	167.73	172.62	-97.06	4,850.07	7,150.88	2,840.50	2,512.46	328.04	8.659		
11,500.00	6,953.00	14,615.00	7,257.54	170.25	174.49	-97.07	4,848.56	7,222.22	2,838.77	2,505.59	333.18	8.520		
11,597.21	6,953.00	14,681.93	7,258.05	172.71	176.25	-97.08	4,847.85	7,289.15	2,838.10	2,499.95	338.15	8.393		
11,600.00	6,953.00	14,683.64	7,258.06	172.78	176.30	-97.09	4,847.84	7,290.85	2,838.10	2,499.81	338.30	8.389		
11,700.00	6,953.00	14,766.24	7,258.64	175.31	178.47	-97.10	4,848.05	7,373.45	2,838.61	2,495.16	343.45	8.265		
11,800.00	6,953.00	14,868.31	7,259.31	177.85	181.16	-97.11	4,848.40	7,475.52	2,839.25	2,490.56	348.69	8.143		
11,900.00	6,953.00	14,977.08	7,259.60	180.40	184.03	-97.11	4,848.63	7,584.29	2,839.70	2,485.73	353.97	8.022		
12,000.00	6,953.00	15,067.75	7,259.16	182.95	186.42	-97.10	4,848.83	7,674.96	2,840.07	2,480.89	359.18	7.907		
12,100.00	6,953.00	15,147.59	7,258.44	185.50	188.53	-97.09	4,849.49	7,754.79	2,841.00	2,476.65	364.35	7.797		
12,200.00	6,953.00	15,243.30	7,257.60	188.06	191.06	-97.07	4,850.88	7,850.49	2,842.53	2,472.93	369.60	7.691		
12,300.00	6,953.00	15,318.58	7,256.97	190.63	193.05	-97.05	4,852.03	7,925.76	2,844.22	2,469.50	374.72	7.590		
12,400.00	6,953.00	15,373.00	7,256.47	193.20	194.49	-97.04	4,853.62	7,980.15	2,847.28	2,467.63	379.65	7.500		
12,500.00	6,953.00	15,467.00	7,255.55	195.77	196.99	-97.01	4,857.36	8,074.07	2,851.31	2,466.43	384.88	7.408		
12,600.00	6,953.00	15,567.28	7,255.12	198.35	199.65	-96.99	4,861.53	8,174.26	2,855.60	2,465.44	390.16	7.319		
12,700.00	6,953.00	15,889.00	7,254.77	200.93	208.16	-96.99	4,857.25	8,495.69	2,851.44	2,455.08	396.37	7.194		
12,800.00	6,953.00	15,889.00	7,254.77	203.51	208.16	-96.99	4,857.25	8,495.69	2,849.56	2,448.06	401.50	7.097		
12,804.45	6,953.00	15,889.00	7,254.77	203.63	208.16	-96.99	4,857.25	8,495.69	2,849.56	2,447.84	401.72	7.093		
12,900.00	6,953.00	15,889.00	7,254.77	206.10	208.16	-96.99	4,857.25	8,495.69	2,851.18	2,445.00	406.18	7.019		
13,000.00	6,953.00	15,889.00	7,254.77	208.69	208.16	-96.99	4,857.25	8,495.69	2,856.31	2,445.91	410.39	6.960		
13,100.00	6,953.00	15,889.00	7,254.77	211.29	208.16	-96.99	4,857.25	8,495.69	2,864.91	2,450.79	414.12	6.918		
13,200.00	6,953.00	15,889.00	7,254.77	213.88	208.16	-96.99	4,857.25	8,495.69	2,876.98	2,459.61	417.37	6.893		
13,300.00	6,953.00	15,889.00	7,254.77	216.48	208.16	-96.99	4,857.25	8,495.69	2,892.45	2,472.32	420.12	6.885 SF		
13,400.00	6,953.00	15,889.00	7,254.77	219.09	208.16	-96.99	4,857.25	8,495.69	2,911.27	2,488.88	422.39	6.892		
13,500.00	6,953.00	15,889.00	7,254.77	221.69	208.16	-96.99	4,857.25	8,495.69	2,933.38	2,509.19	424.20	6.915		
13,600.00	6,953.00	15,889.00	7,254.77	224.30	208.16	-96.99	4,857.25	8,495.69	2,958.71	2,533.18	425.54	6.953		
13,700.00	6,953.00	15,889.00	7,254.77	226.92	208.16	-96.99	4,857.25	8,495.69	2,987.18	2,560.74	426.44	7.005		
13,800.00	6,953.00	15,889.00	7,254.77	229.53	208.16	-96.99	4,857.25	8,495.69	3,018.69	2,591.76	426.93	7.071		
13,900.00	6,953.00	15,889.00	7,254.77	232.15	208.16	-96.99	4,857.25	8,495.69	3,053.15	2,626.13	427.02	7.150		
14,000.00	6,953.00	15,889.00	7,254.77	234.77	208.16	-96.99	4,857.25	8,495.69	3,090.47	2,663.72	426.75	7.242		
14,100.00	6,953.00	15,889.00	7,254.77	237.39	208.16	-96.99	4,857.25	8,495.69	3,130.53	2,704.40	426.14	7.346		

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-20-01
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-20-01	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	6,953.00	15,889.00	7,254.77	240.01	208.16	-96.99	4,857.25	8,495.69	3,173.25	2,748.04	425.21	7.463		
14,300.00	6,953.00	15,889.00	7,254.77	242.64	208.16	-96.99	4,857.25	8,495.69	3,218.50	2,794.51	424.00	7.591		
14,400.00	6,953.00	15,889.00	7,254.77	245.27	208.16	-96.99	4,857.25	8,495.69	3,266.19	2,843.66	422.53	7.730		
14,500.00	6,953.00	15,889.00	7,254.77	247.90	208.16	-96.99	4,857.25	8,495.69	3,316.21	2,895.38	420.83	7.880		
14,600.00	6,953.00	15,889.00	7,254.77	250.53	208.16	-96.99	4,857.25	8,495.69	3,368.46	2,949.53	418.93	8.041		
14,700.00	6,953.00	15,889.00	7,254.77	253.16	208.16	-96.99	4,857.25	8,495.69	3,422.83	3,005.98	416.84	8.211		
14,800.00	6,953.00	15,889.00	7,254.77	255.80	208.16	-96.99	4,857.25	8,495.69	3,479.23	3,064.62	414.61	8.392		
14,900.00	6,953.00	15,889.00	7,254.77	258.43	208.16	-96.99	4,857.25	8,495.69	3,537.55	3,125.31	412.24	8.581		
15,000.00	6,953.00	15,889.00	7,254.77	261.07	208.16	-96.99	4,857.25	8,495.69	3,597.71	3,187.95	409.76	8.780		
15,100.00	6,953.00	15,889.00	7,254.77	263.71	208.16	-96.99	4,857.25	8,495.69	3,659.61	3,252.43	407.19	8.988		
15,200.00	6,953.00	15,889.00	7,254.77	266.36	208.16	-96.99	4,857.25	8,495.69	3,723.17	3,318.64	404.54	9.204		
15,300.00	6,953.00	15,889.00	7,254.77	269.00	208.16	-96.99	4,857.25	8,495.69	3,788.31	3,386.48	401.83	9.428		
15,400.00	6,953.00	15,889.00	7,254.77	271.65	208.16	-96.99	4,857.25	8,495.69	3,854.93	3,455.86	399.07	9.660		
15,500.00	6,953.00	15,889.00	7,254.77	274.29	208.16	-96.99	4,857.25	8,495.69	3,922.98	3,526.70	396.28	9.899		
15,600.00	6,953.00	15,889.00	7,254.77	276.94	208.16	-96.99	4,857.25	8,495.69	3,992.37	3,598.90	393.47	10.147		
15,700.00	6,953.00	15,889.00	7,254.77	279.59	208.16	-96.99	4,857.25	8,495.69	4,063.04	3,672.39	390.65	10.401		
15,800.00	6,953.00	15,889.00	7,254.77	282.24	208.16	-96.99	4,857.25	8,495.69	4,134.91	3,747.09	387.82	10.662		
15,900.00	6,953.00	15,889.00	7,254.77	284.90	208.16	-96.99	4,857.25	8,495.69	4,207.94	3,822.94	385.00	10.930		
16,000.00	6,953.00	15,889.00	7,254.77	287.55	208.16	-96.99	4,857.25	8,495.69	4,282.06	3,899.86	382.20	11.204		
16,100.00	6,953.00	15,889.00	7,254.77	290.20	208.16	-96.99	4,857.25	8,495.69	4,357.21	3,977.80	379.41	11.484		
16,200.00	6,953.00	15,889.00	7,254.77	292.86	208.16	-96.99	4,857.25	8,495.69	4,433.34	4,056.70	376.65	11.771		
16,300.00	6,953.00	15,889.00	7,254.77	295.52	208.16	-96.99	4,857.25	8,495.69	4,510.41	4,136.50	373.91	12.063		
16,400.00	6,953.00	15,889.00	7,254.77	298.18	208.16	-96.99	4,857.25	8,495.69	4,588.36	4,217.15	371.21	12.361		
16,500.00	6,953.00	15,889.00	7,254.77	300.84	208.16	-96.99	4,857.25	8,495.69	4,667.15	4,298.61	368.54	12.664		
16,600.00	6,953.00	15,889.00	7,254.77	303.50	208.16	-96.99	4,857.25	8,495.69	4,746.74	4,380.83	365.91	12.972		
16,700.00	6,953.00	15,889.00	7,254.77	306.16	208.16	-96.99	4,857.25	8,495.69	4,827.09	4,463.77	363.32	13.286		
16,800.00	6,953.00	15,889.00	7,254.77	308.82	208.16	-96.99	4,857.25	8,495.69	4,908.16	4,547.39	360.77	13.605		
16,900.00	6,953.00	15,889.00	7,254.77	311.49	208.16	-96.99	4,857.25	8,495.69	4,989.92	4,631.65	358.27	13.928		
17,000.00	6,953.00	15,889.00	7,254.77	314.15	208.16	-96.99	4,857.25	8,495.69	5,072.33	4,716.52	355.81	14.256		
17,100.00	6,953.00	15,889.00	7,254.77	316.82	208.16	-96.99	4,857.25	8,495.69	5,155.36	4,801.97	353.40	14.588		
17,200.00	6,953.00	15,889.00	7,254.77	319.48	208.16	-96.99	4,857.25	8,495.69	5,238.99	4,887.96	351.03	14.925		
17,300.00	6,953.00	15,889.00	7,254.77	322.15	208.16	-96.99	4,857.25	8,495.69	5,323.18	4,974.48	348.71	15.266		
17,400.00	6,953.00	15,889.00	7,254.77	324.82	208.16	-96.99	4,857.25	8,495.69	5,407.91	5,061.49	346.43	15.610		
17,500.00	6,953.00	15,889.00	7,254.77	327.49	208.16	-96.99	4,857.25	8,495.69	5,493.16	5,148.96	344.20	15.959		
17,600.00	6,953.00	15,889.00	7,254.77	330.16	208.16	-96.99	4,857.25	8,495.69	5,578.89	5,236.88	342.01	16.312		
17,700.00	6,953.00	15,889.00	7,254.77	332.83	208.16	-96.99	4,857.25	8,495.69	5,665.09	5,325.22	339.88	16.668		
17,800.00	6,953.00	15,889.00	7,254.77	335.50	208.16	-96.99	4,857.25	8,495.69	5,751.74	5,413.96	337.78	17.028		
17,900.00	6,953.00	15,889.00	7,254.77	338.17	208.16	-96.99	4,857.25	8,495.69	5,838.82	5,503.08	335.73	17.391		
18,000.00	6,953.00	15,889.00	7,254.77	340.85	208.16	-96.99	4,857.25	8,495.69	5,926.30	5,592.57	333.73	17.758		
18,100.00	6,953.00	15,889.00	7,254.77	343.52	208.16	-96.99	4,857.25	8,495.69	6,014.17	5,682.41	331.77	18.128		
18,200.00	6,953.00	15,889.00	7,254.77	346.19	208.16	-96.99	4,857.25	8,495.69	6,102.42	5,772.57	329.85	18.501		
18,300.00	6,953.00	15,889.00	7,254.77	348.87	208.16	-96.99	4,857.25	8,495.69	6,191.03	5,863.05	327.98	18.877		
18,400.00	6,953.00	15,889.00	7,254.77	351.55	208.16	-96.99	4,857.25	8,495.69	6,279.97	5,953.83	326.14	19.255		
18,500.00	6,953.00	15,889.00	7,254.77	354.22	208.16	-96.99	4,857.25	8,495.69	6,369.25	6,044.90	324.35	19.637		
18,600.00	6,953.00	15,889.00	7,254.77	356.90	208.16	-96.99	4,857.25	8,495.69	6,458.84	6,136.24	322.59	20.022		
18,700.00	6,953.00	15,889.00	7,254.77	359.58	208.16	-96.99	4,857.25	8,495.69	6,548.73	6,227.85	320.88	20.409		
18,800.00	6,953.00	15,889.00	7,254.77	362.26	208.16	-96.99	4,857.25	8,495.69	6,638.90	6,319.71	319.20	20.799		
18,900.00	6,953.00	15,889.00	7,254.77	364.94	208.16	-96.99	4,857.25	8,495.69	6,729.36	6,411.81	317.56	21.191		
19,000.00	6,953.00	15,889.00	7,254.77	367.62	208.16	-96.99	4,857.25	8,495.69	6,820.09	6,504.13	315.95	21.586		
19,073.74	6,953.00	15,889.00	7,254.77	369.59	208.16	-96.99	4,857.25	8,495.69	6,887.15	6,572.36	314.79	21.878		

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-20-01
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-20-01	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		
100.00	100.00	55.85	55.85	0.27	0.12	59.30	855.39	1,440.81	1,675.60	1,675.21	0.39	4,333.234		
200.00	199.98	158.50	158.50	0.63	0.49	-4.14	855.10	1,440.83	1,673.73	1,672.61	1.11	1,504.537		
300.00	299.84	262.94	262.94	0.99	0.86	-4.14	854.39	1,440.86	1,668.20	1,666.34	1.85	900.473		
400.00	399.45	368.35	368.34	1.36	1.24	-4.13	853.04	1,440.83	1,658.82	1,656.22	2.60	638.098		
500.00	498.70	471.76	471.74	1.76	1.61	-4.15	851.60	1,440.52	1,645.70	1,642.36	3.34	492.512		
600.00	597.47	563.69	563.66	2.18	1.93	-4.19	850.61	1,440.04	1,629.12	1,625.09	4.04	403.716		
700.00	695.62	650.60	650.55	2.63	2.24	-4.31	851.72	1,439.04	1,609.76	1,605.05	4.71	341.697		
800.00	793.06	736.92	736.80	3.11	2.53	-4.53	854.90	1,437.49	1,587.67	1,582.28	5.39	294.568		
900.00	889.64	822.50	822.19	3.64	2.83	-4.85	860.10	1,435.42	1,562.91	1,556.84	6.07	257.408		
1,000.00	985.27	879.00	878.48	4.22	3.03	-5.13	864.66	1,433.75	1,535.81	1,529.15	6.66	230.657		
1,100.00	1,079.82	973.41	972.33	4.84	3.37	-5.69	874.60	1,430.96	1,506.29	1,498.90	7.40	203.604		
1,200.00	1,173.17	1,043.58	1,041.83	5.52	3.62	-6.23	884.03	1,429.12	1,475.34	1,467.28	8.06	183.055		
1,300.00	1,265.21	1,120.64	1,117.88	6.26	3.92	-6.92	896.29	1,427.19	1,442.62	1,433.85	8.77	164.519		
1,400.00	1,355.84	1,202.81	1,198.67	7.06	4.24	-7.79	911.10	1,424.75	1,407.64	1,398.12	9.52	147.824		
1,500.00	1,444.94	1,284.96	1,279.18	7.92	4.59	-8.81	927.19	1,421.96	1,370.26	1,359.96	10.30	133.002		
1,600.00	1,532.39	1,362.28	1,354.59	8.84	4.92	-9.94	943.96	1,418.79	1,330.72	1,319.63	11.09	119.952		
1,700.00	1,618.11	1,431.87	1,422.06	9.83	5.25	-11.15	960.72	1,415.63	1,289.53	1,277.65	11.89	108.471		
1,800.00	1,701.97	1,505.85	1,493.40	10.89	5.60	-12.61	979.98	1,412.20	1,246.90	1,234.15	12.74	97.860		
1,900.00	1,783.88	1,580.99	1,565.51	12.02	6.00	-14.31	1,000.73	1,408.40	1,202.63	1,188.97	13.66	88.027		
1,991.28	1,856.86	1,647.08	1,628.28	13.11	6.35	-16.09	1,020.92	1,403.87	1,160.99	1,146.44	14.54	79.844		
2,000.00	1,863.75	1,653.25	1,634.10	13.21	6.38	-16.25	1,022.90	1,403.39	1,156.97	1,142.34	14.63	79.083		
2,100.00	1,942.74	1,723.79	1,700.22	14.45	6.79	-18.16	1,046.67	1,397.15	1,112.04	1,096.38	15.66	71.017		
2,200.00	2,021.72	1,793.54	1,764.68	15.69	7.21	-20.28	1,072.18	1,389.52	1,069.47	1,052.69	16.79	63.716		
2,300.00	2,100.71	1,864.00	1,828.78	16.95	7.68	-22.68	1,099.86	1,380.13	1,029.65	1,011.62	18.04	57.085		
2,400.00	2,179.70	1,933.58	1,890.98	18.21	8.18	-25.29	1,128.98	1,368.99	993.09	973.68	19.41	51.153		
2,500.00	2,258.69	1,974.00	1,926.55	19.47	8.48	-26.92	1,146.68	1,361.53	960.81	940.23	20.58	46.692		
2,600.00	2,337.68	2,047.58	1,990.28	20.74	9.09	-30.06	1,180.51	1,347.14	933.33	911.09	22.24	41.967		
2,700.00	2,416.66	2,099.31	2,034.34	22.02	9.53	-32.37	1,205.59	1,336.83	912.33	888.66	23.67	38.543		
2,800.00	2,495.65	2,163.00	2,087.68	23.29	10.07	-35.29	1,237.91	1,323.94	898.16	872.85	25.31	35.490		
2,900.00	2,574.64	2,211.35	2,127.78	24.57	10.51	-37.55	1,263.09	1,314.17	890.55	863.85	26.70	33.353		
2,970.35	2,630.21	2,257.00	2,165.62	25.47	10.93	-39.68	1,286.97	1,305.10	889.01	861.14	27.87	31.897 CC		
3,000.00	2,653.63	2,276.26	2,181.58	25.85	11.11	-40.58	1,297.07	1,301.34	889.28	860.92	28.36	31.354 ES		
3,100.00	2,732.62	2,340.97	2,235.19	27.14	11.72	-43.57	1,331.17	1,289.09	894.21	864.22	29.99	29.816		
3,200.00	2,811.61	2,406.50	2,289.42	28.42	12.34	-46.55	1,365.98	1,277.20	905.15	873.56	31.59	28.650		
3,300.00	2,890.59	2,474.40	2,345.53	29.71	13.00	-49.58	1,402.30	1,265.23	921.80	888.60	33.20	27.762		
3,400.00	2,969.58	2,545.35	2,404.16	31.00	13.69	-52.68	1,440.29	1,252.86	943.55	908.71	34.84	27.080		
3,500.00	3,048.57	2,617.55	2,463.91	32.29	14.39	-55.73	1,478.94	1,240.64	969.93	933.46	36.48	26.590		
3,600.00	3,127.56	2,690.97	2,524.77	33.58	15.11	-58.70	1,518.26	1,228.85	1,000.45	962.34	38.11	26.251		
3,700.00	3,206.55	2,763.50	2,585.00	34.87	15.83	-61.49	1,557.16	1,217.83	1,034.65	994.95	39.70	26.060		
3,800.00	3,285.53	2,835.55	2,644.77	36.16	16.53	-64.12	1,596.07	1,207.66	1,072.27	1,031.00	41.27	25.984		
3,900.00	3,364.52	2,911.59	2,707.86	37.45	17.28	-66.72	1,637.39	1,197.88	1,112.74	1,069.82	42.92	25.928		
4,000.00	3,443.51	2,985.85	2,769.44	38.74	18.01	-69.10	1,677.97	1,189.18	1,155.64	1,111.12	44.52	25.959		
4,100.00	3,522.50	3,072.36	2,841.18	40.04	18.85	-71.67	1,725.46	1,180.21	1,200.50	1,154.09	46.41	25.869		
4,200.00	3,601.49	3,156.29	2,910.97	41.33	19.66	-73.93	1,771.59	1,173.52	1,246.34	1,198.11	48.23	25.841		
4,300.00	3,680.47	3,233.32	2,974.81	42.63	20.41	-75.83	1,814.44	1,168.73	1,293.60	1,243.70	49.89	25.928		
4,400.00	3,759.46	3,308.48	3,036.97	43.92	21.13	-77.56	1,856.46	1,164.29	1,342.28	1,290.77	51.51	26.058		
4,500.00	3,838.45	3,384.70	3,099.97	45.22	21.88	-79.22	1,899.12	1,159.71	1,392.23	1,339.08	53.16	26.192		
4,600.00	3,917.44	3,459.35	3,161.68	46.51	22.61	-80.77	1,940.85	1,154.99	1,443.35	1,388.59	54.76	26.358		
4,700.00	3,996.43	3,527.55	3,218.10	47.81	23.28	-82.13	1,978.86	1,150.14	1,495.67	1,439.46	56.21	26.610		
4,800.00	4,075.42	3,591.16	3,270.73	49.10	23.91	-83.37	2,014.15	1,144.60	1,549.48	1,491.94	57.54	26.929		
4,900.00	4,154.40	3,652.03	3,321.08	50.40	24.52	-84.54	2,047.77	1,138.31	1,604.80	1,546.00	58.80	27.295		
5,000.00	4,233.39	3,726.12	3,382.31	51.70	25.26	-85.92	2,088.61	1,129.86	1,661.40	1,601.04	60.36	27.525		

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-20-01
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-20-01	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		
5,100.00	4,312.38	3,808.47	3,450.32	52.99	26.09	-87.33	2,134.24	1,121.26	1,718.45	1,656.33	62.12	27.663		
5,200.00	4,391.37	3,884.80	3,513.39	54.29	26.86	-88.55	2,176.56	1,113.69	1,775.88	1,712.15	63.73	27.864		
5,300.00	4,470.36	3,956.00	3,572.03	55.59	27.58	-89.63	2,216.34	1,106.68	1,834.14	1,768.92	65.23	28.120		
5,400.00	4,549.34	4,021.72	3,626.04	56.89	28.25	-90.57	2,253.19	1,100.06	1,893.17	1,826.59	66.59	28.432		
5,500.00	4,628.33	4,092.80	3,684.50	58.18	28.98	-91.55	2,292.93	1,092.60	1,952.83	1,884.76	68.07	28.689		
5,600.00	4,707.32	4,171.32	3,749.17	59.48	29.78	-92.58	2,336.62	1,083.99	2,013.02	1,943.30	69.72	28.872		
5,700.00	4,786.31	4,276.47	3,836.21	60.78	30.84	-93.89	2,394.62	1,073.20	2,072.93	2,000.94	71.99	28.794		
5,800.00	4,865.30	4,409.22	3,946.49	62.08	32.15	-95.34	2,467.80	1,062.97	2,131.76	2,056.89	74.87	28.472		
5,900.00	4,944.28	4,476.03	4,001.87	63.38	32.82	-95.98	2,505.01	1,059.52	2,189.69	2,113.43	76.26	28.712		
6,000.00	5,023.27	4,531.55	4,047.74	64.68	33.37	-96.51	2,536.10	1,056.06	2,248.68	2,171.29	77.40	29.054		
6,100.00	5,102.26	4,597.19	4,102.16	65.97	34.02	-97.13	2,572.44	1,050.98	2,308.45	2,229.70	78.75	29.314		
6,200.00	5,181.25	4,660.09	4,154.52	67.27	34.65	-97.73	2,606.81	1,045.26	2,368.87	2,288.84	80.03	29.600		
6,300.00	5,260.24	4,722.35	4,206.11	68.57	35.28	-98.29	2,641.19	1,039.51	2,429.96	2,348.67	81.29	29.891		
6,400.00	5,339.23	4,786.55	4,259.20	69.87	35.93	-98.85	2,676.75	1,033.29	2,491.65	2,409.05	82.60	30.165		
6,500.00	5,418.21	4,872.58	4,330.33	71.17	36.80	-99.57	2,724.40	1,024.82	2,553.66	2,469.25	84.41	30.253		
6,600.00	5,497.20	4,949.11	4,393.56	72.47	37.58	-100.17	2,766.95	1,017.86	2,615.50	2,529.50	86.00	30.412		
6,700.00	5,576.19	5,020.24	4,452.25	73.77	38.30	-100.70	2,806.60	1,011.32	2,677.68	2,590.20	87.47	30.611		
6,800.00	5,655.18	5,096.78	4,515.42	75.07	39.08	-101.25	2,849.23	1,004.21	2,740.03	2,650.97	89.07	30.764		
6,900.00	5,734.17	5,174.32	4,579.45	76.37	39.87	-101.79	2,892.36	997.03	2,802.50	2,711.82	90.68	30.906		
7,000.00	5,813.15	5,253.02	4,644.51	77.67	40.66	-102.31	2,936.04	989.75	2,865.04	2,772.72	92.32	31.035		
7,100.00	5,892.14	5,322.64	4,702.13	78.97	41.37	-102.75	2,974.57	983.21	2,927.71	2,833.96	93.75	31.230		
7,200.00	5,971.13	5,387.28	4,755.56	80.27	42.03	-103.16	3,010.42	976.96	2,990.74	2,895.68	95.06	31.461		
7,300.00	6,050.12	5,449.56	4,807.07	81.57	42.66	-103.54	3,044.84	970.56	3,054.20	2,957.88	96.32	31.709		
7,400.00	6,129.11	5,511.00	4,858.33	82.86	43.25	-103.86	3,078.47	964.11	3,117.69	3,020.09	97.59	31.957		
7,500.00	6,208.09	5,572.43	4,909.64	84.16	43.83	-104.16	3,111.47	957.33	3,180.21	3,081.81	98.86	32.205		
7,600.00	6,287.08	5,633.76	4,960.95	85.46	44.40	-104.46	3,144.07	950.59	3,242.71	3,143.31	100.13	32.453		
7,700.00	6,366.07	5,695.09	5,012.26	86.76	44.97	-104.76	3,176.27	943.85	3,304.81	3,205.41	101.40	32.701		
7,800.00	6,445.06	5,756.42	5,063.57	88.06	45.54	-105.06	3,208.07	937.11	3,366.91	3,268.51	102.67	32.949		
7,900.00	6,524.05	5,817.75	5,115.88	89.36	46.11	-105.36	3,239.27	930.37	3,429.01	3,331.61	103.94	33.197		
8,000.00	6,603.03	5,879.08	5,168.19	90.66	46.68	-105.66	3,270.07	923.63	3,491.11	3,396.71	105.21	33.445		
8,100.00	6,682.02	5,940.41	5,219.50	91.96	47.25	-105.96	3,300.47	916.89	3,553.21	3,461.81	106.48	33.693		
8,133.44	6,708.44	5,966.83	5,245.92	92.40	47.52	-106.00	3,316.24	914.44	3,574.26	3,484.36	106.84	33.768		
8,150.00	6,721.39	5,979.78	5,258.87	92.62	47.64	-106.02	3,324.43	912.99	3,584.27	3,494.37	107.00	33.812		
8,200.00	6,758.90	6,006.30	5,285.39	93.34	48.03	-106.14	3,350.47	907.55	3,610.31	3,520.41	107.56	34.000		
8,250.00	6,793.76	6,031.16	5,310.25	94.13	48.42	-106.26	3,376.51	902.11	3,636.35	3,546.45	108.12	34.188		
8,300.00	6,825.72	6,056.02	5,335.11	95.00	48.81	-106.38	3,402.55	896.67	3,662.39	3,572.49	108.68	34.376		
8,350.00	6,854.52	6,076.88	5,355.97	95.93	49.20	-106.50	3,428.59	891.23	3,688.43	3,598.53	109.24	34.564		
8,400.00	6,879.97	6,097.74	5,376.83	96.92	49.59	-106.62	3,454.63	885.79	3,714.47	3,624.57	109.80	34.752		
8,450.00	6,901.84	6,118.60	5,397.69	97.95	49.98	-106.74	3,480.67	880.35	3,740.51	3,650.61	110.36	34.940		
8,500.00	6,920.00	6,139.46	5,418.55	99.02	50.37	-106.86	3,506.71	874.91	3,766.55	3,676.65	110.92	35.128		
8,550.00	6,934.28	6,159.32	5,439.41	100.12	50.76	-106.98	3,532.75	869.47	3,792.59	3,702.69	111.48	35.316		
8,600.00	6,944.59	6,179.18	5,460.27	101.22	51.15	-107.10	3,558.79	864.03	3,818.63	3,728.73	112.04	35.504		
8,650.00	6,950.84	6,199.04	5,481.13	102.33	51.54	-107.22	3,584.83	858.59	3,844.67	3,754.77	112.60	35.692		
8,675.43	6,952.45	6,218.90	5,501.99	102.88	51.93	-107.34	3,610.87	853.15	3,870.71	3,780.81	113.16	35.880		
8,701.16	6,953.00	6,238.76	5,522.85	103.44	52.32	-107.46	3,636.91	847.71	3,896.75	3,806.85	113.72	36.068		
8,800.00	6,953.00	6,258.62	5,543.71	105.59	52.71	-107.58	3,662.95	842.27	3,922.79	3,832.89	114.28	36.256		
8,900.00	6,953.00	6,278.48	5,564.57	107.79	53.10	-107.70	3,688.99	836.83	3,948.83	3,858.93	114.84	36.444		
9,000.00	6,953.00	6,298.34	5,585.43	110.02	53.49	-107.82	3,715.03	831.39	3,974.87	3,885.07	115.40	36.632		
9,100.00	6,953.00	6,318.20	5,606.29	112.26	53.88	-107.94	3,741.07	825.95	4,000.91	3,911.11	115.96	36.820		
9,167.47	6,953.00	6,338.06	5,627.15	113.79	54.27	-108.06	3,767.11	820.51	4,026.95	3,937.15	116.52	37.008		
9,200.00	6,953.00	6,357.92	5,648.01	114.52	54.66	-108.18	3,793.15	815.07	4,052.99	3,963.19	117.08	37.196		
9,300.00	6,953.00	6,377.78	5,668.87	116.80	55.05	-108.30	3,819.19	809.63	4,079.03	3,989.23	117.64	37.384		

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-20-01
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-20-01	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		
9,400.00	6,953.00	12,128.92	7,119.17	119.10	115.78	-94.73	4,589.11	4,978.05	2,564.06	2,338.39	225.66	11.362		
9,500.00	6,953.00	12,191.31	7,119.33	121.42	117.36	-94.73	4,592.21	5,040.36	2,569.22	2,338.76	230.46	11.148		
9,600.00	6,953.00	12,317.67	7,119.54	123.75	120.57	-94.72	4,599.31	5,166.51	2,575.17	2,339.48	235.69	10.926		
9,700.00	6,953.00	12,450.00	7,119.47	126.10	123.94	-94.71	4,603.86	5,298.75	2,578.61	2,337.66	240.94	10.702		
9,800.00	6,953.00	13,018.00	7,120.08	128.46	138.23	-94.78	4,568.97	5,863.75	2,570.54	2,325.36	245.17	10.485		
9,900.00	6,953.00	13,054.46	7,120.13	130.84	139.14	-94.79	4,563.92	5,899.86	2,557.14	2,306.41	250.73	10.199		
10,000.00	6,953.00	13,112.00	7,120.23	133.23	140.59	-94.81	4,558.22	5,957.11	2,546.81	2,290.72	256.09	9.945		
10,100.00	6,953.00	13,128.93	7,120.26	135.63	141.02	-94.81	4,556.95	5,973.99	2,538.27	2,276.65	261.61	9.702		
10,200.00	6,953.00	13,207.00	7,120.38	138.04	143.02	-94.82	4,551.22	6,051.85	2,531.24	2,264.42	266.82	9.487		
10,300.00	6,953.00	13,258.45	7,120.42	140.46	144.35	-94.83	4,548.15	6,103.21	2,525.68	2,253.60	272.08	9.283		
10,400.00	6,953.00	13,301.00	7,120.45	142.90	145.44	-94.83	4,546.62	6,145.73	2,522.35	2,245.08	277.27	9.097		
10,500.00	6,953.00	13,365.88	7,120.50	145.34	147.13	-94.84	4,545.48	6,210.60	2,520.84	2,238.44	282.40	8.926		
10,549.43	6,953.00	13,396.00	7,120.53	146.55	147.91	-94.84	4,545.29	6,240.72	2,520.65	2,235.72	284.92	8.847		
10,600.00	6,953.00	13,422.60	7,120.56	147.80	148.61	-94.84	4,545.36	6,267.31	2,520.88	2,233.41	287.47	8.769		
10,700.00	6,953.00	13,491.00	7,120.76	150.26	150.39	-94.84	4,546.73	6,335.70	2,522.91	2,230.38	292.53	8.624		
10,800.00	6,953.00	13,553.99	7,120.93	152.73	152.04	-94.84	4,548.86	6,398.65	2,526.27	2,228.74	297.52	8.491		
10,900.00	6,953.00	13,769.85	7,120.70	155.21	157.69	-94.83	4,550.55	6,614.47	2,526.78	2,223.60	303.18	8.334		
10,991.43	6,953.00	13,838.11	7,120.50	157.49	159.48	-94.83	4,549.78	6,682.72	2,526.04	2,218.14	307.91	8.204		
11,000.00	6,953.00	13,843.02	7,120.49	157.70	159.61	-94.83	4,549.78	6,687.63	2,526.05	2,217.70	308.35	8.192		
11,100.00	6,953.00	13,908.87	7,120.30	160.20	161.34	-94.82	4,550.28	6,753.48	2,526.95	2,213.49	313.46	8.062		
11,200.00	6,953.00	14,019.66	7,119.90	162.70	164.25	-94.81	4,552.06	6,864.25	2,528.79	2,210.05	318.73	7.934		
11,300.00	6,953.00	14,115.76	7,119.67	165.21	166.78	-94.80	4,552.52	6,960.35	2,529.48	2,205.52	323.96	7.808		
11,400.00	6,953.00	14,153.00	7,119.45	167.73	167.76	-94.79	4,553.05	6,997.59	2,531.61	2,202.74	328.87	7.698		
11,500.00	6,953.00	14,215.75	7,119.12	170.25	169.42	-94.78	4,555.18	7,060.30	2,535.48	2,201.65	333.83	7.595		
11,600.00	6,953.00	14,267.27	7,118.99	172.78	170.77	-94.77	4,558.37	7,111.72	2,541.72	2,203.12	338.60	7.507		
11,700.00	6,953.00	14,343.00	7,118.92	175.31	172.77	-94.76	4,563.92	7,187.25	2,549.24	2,205.68	343.56	7.420		
11,800.00	6,953.00	14,532.00	7,118.58	177.85	177.77	-94.73	4,577.17	7,375.77	2,557.25	2,207.55	349.70	7.313		
11,900.00	6,953.00	14,587.84	7,118.46	180.40	179.24	-94.72	4,580.05	7,431.53	2,562.60	2,208.04	354.56	7.228		
12,000.00	6,953.00	14,645.09	7,118.46	182.95	180.76	-94.71	4,584.03	7,488.64	2,569.70	2,210.37	359.33	7.151		
12,100.00	6,953.00	15,100.00	7,116.29	185.50	192.76	-94.66	4,585.35	7,942.63	2,568.24	2,202.36	365.88	7.019		
12,200.00	6,953.00	15,161.98	7,116.19	188.06	194.40	-94.66	4,582.03	8,004.52	2,563.10	2,191.77	371.33	6.902		
12,300.00	6,953.00	15,243.37	7,115.93	190.63	196.55	-94.66	4,578.76	8,085.85	2,559.24	2,182.57	376.67	6.794		
12,400.00	6,953.00	15,322.75	7,115.68	193.20	198.65	-94.66	4,575.80	8,165.17	2,555.75	2,173.74	382.01	6.690		
12,500.00	6,953.00	15,383.00	7,115.77	195.77	200.25	-94.67	4,574.37	8,225.41	2,553.62	2,166.30	387.33	6.593		
12,600.00	6,953.00	15,452.53	7,116.03	198.35	202.09	-94.67	4,573.67	8,294.93	2,552.87	2,160.29	392.58	6.503		
12,611.41	6,953.00	15,460.36	7,116.06	198.64	202.30	-94.67	4,573.65	8,302.76	2,552.86	2,159.68	393.18	6.493		
12,700.00	6,953.00	15,541.18	7,116.28	200.93	204.45	-94.68	4,573.68	8,383.58	2,553.10	2,155.24	397.85	6.417		
12,800.00	6,953.00	15,655.00	7,116.19	203.51	207.48	-94.68	4,572.53	8,497.39	2,552.17	2,148.98	403.19	6.330		
12,806.04	6,953.00	15,655.00	7,116.19	203.67	207.48	-94.68	4,572.53	8,497.39	2,552.16	2,148.67	403.50	6.325		
12,900.00	6,953.00	15,655.00	7,116.19	206.10	207.48	-94.68	4,572.53	8,497.39	2,553.89	2,145.88	408.01	6.259		
13,000.00	6,953.00	15,655.00	7,116.19	208.69	207.48	-94.68	4,572.53	8,497.39	2,559.52	2,147.28	412.24	6.209		
13,100.00	6,953.00	15,655.00	7,116.19	211.29	207.48	-94.68	4,572.53	8,497.39	2,569.04	2,153.17	415.86	6.178		
13,200.00	6,953.00	15,655.00	7,116.19	213.88	207.48	-94.68	4,572.53	8,497.39	2,582.39	2,163.51	418.88	6.165 SF		
13,300.00	6,953.00	15,655.00	7,116.19	216.48	207.48	-94.68	4,572.53	8,497.39	2,599.52	2,178.23	421.29	6.170		
13,400.00	6,953.00	15,655.00	7,116.19	219.09	207.48	-94.68	4,572.53	8,497.39	2,620.37	2,197.26	423.11	6.193		
13,500.00	6,953.00	15,655.00	7,116.19	221.69	207.48	-94.68	4,572.53	8,497.39	2,644.83	2,220.47	424.36	6.233		
13,600.00	6,953.00	15,655.00	7,116.19	224.30	207.48	-94.68	4,572.53	8,497.39	2,672.81	2,247.75	425.06	6.288		
13,700.00	6,953.00	15,655.00	7,116.19	226.92	207.48	-94.68	4,572.53	8,497.39	2,704.20	2,278.96	425.24	6.359		
13,800.00	6,953.00	15,655.00	7,116.19	229.53	207.48	-94.68	4,572.53	8,497.39	2,738.88	2,313.94	424.95	6.445		
13,900.00	6,953.00	15,655.00	7,116.19	232.15	207.48	-94.68	4,572.53	8,497.39	2,776.74	2,352.53	424.21	6.546		
14,000.00	6,953.00	15,655.00	7,116.19	234.77	207.48	-94.68	4,572.53	8,497.39	2,817.63	2,394.58	423.06	6.660		
14,100.00	6,953.00	15,655.00	7,116.19	237.39	207.48	-94.68	4,572.53	8,497.39	2,861.44	2,439.90	421.55	6.788		

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-20-01
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-20-01	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	6,953.00	15,655.00	7,116.19	240.01	207.48	-94.68	4,572.53	8,497.39	2,908.03	2,488.32	419.71	6.929		
14,300.00	6,953.00	15,655.00	7,116.19	242.64	207.48	-94.68	4,572.53	8,497.39	2,957.27	2,539.69	417.58	7.082		
14,400.00	6,953.00	15,655.00	7,116.19	245.27	207.48	-94.68	4,572.53	8,497.39	3,009.02	2,593.82	415.20	7.247		
14,500.00	6,953.00	15,655.00	7,116.19	247.90	207.48	-94.68	4,572.53	8,497.39	3,063.17	2,650.56	412.61	7.424		
14,600.00	6,953.00	15,655.00	7,116.19	250.53	207.48	-94.68	4,572.53	8,497.39	3,119.59	2,709.75	409.83	7.612		
14,700.00	6,953.00	15,655.00	7,116.19	253.16	207.48	-94.68	4,572.53	8,497.39	3,178.14	2,771.24	406.90	7.811		
14,800.00	6,953.00	15,655.00	7,116.19	255.80	207.48	-94.68	4,572.53	8,497.39	3,238.73	2,834.89	403.85	8.020		
14,900.00	6,953.00	15,655.00	7,116.19	258.43	207.48	-94.68	4,572.53	8,497.39	3,301.24	2,900.54	400.70	8.239		
15,000.00	6,953.00	15,655.00	7,116.19	261.07	207.48	-94.68	4,572.53	8,497.39	3,365.56	2,968.09	397.47	8.467		
15,100.00	6,953.00	15,655.00	7,116.19	263.71	207.48	-94.68	4,572.53	8,497.39	3,431.58	3,037.40	394.19	8.705		
15,200.00	6,953.00	15,655.00	7,116.19	266.36	207.48	-94.68	4,572.53	8,497.39	3,499.22	3,108.35	390.87	8.952		
15,300.00	6,953.00	15,655.00	7,116.19	269.00	207.48	-94.68	4,572.53	8,497.39	3,568.38	3,180.85	387.53	9.208		
15,400.00	6,953.00	15,655.00	7,116.19	271.65	207.48	-94.68	4,572.53	8,497.39	3,638.98	3,254.79	384.18	9.472		
15,500.00	6,953.00	15,655.00	7,116.19	274.29	207.48	-94.68	4,572.53	8,497.39	3,710.92	3,330.08	380.84	9.744		
15,600.00	6,953.00	15,655.00	7,116.19	276.94	207.48	-94.68	4,572.53	8,497.39	3,784.14	3,406.62	377.52	10.024		
15,700.00	6,953.00	15,655.00	7,116.19	279.59	207.48	-94.68	4,572.53	8,497.39	3,858.56	3,484.34	374.22	10.311		
15,800.00	6,953.00	15,655.00	7,116.19	282.24	207.48	-94.68	4,572.53	8,497.39	3,934.12	3,563.16	370.96	10.605		
15,900.00	6,953.00	15,655.00	7,116.19	284.90	207.48	-94.68	4,572.53	8,497.39	4,010.75	3,643.01	367.74	10.907		
16,000.00	6,953.00	15,655.00	7,116.19	287.55	207.48	-94.68	4,572.53	8,497.39	4,088.38	3,723.83	364.56	11.215		
16,100.00	6,953.00	15,655.00	7,116.19	290.20	207.48	-94.68	4,572.53	8,497.39	4,166.97	3,805.55	361.43	11.529		
16,200.00	6,953.00	15,655.00	7,116.19	292.86	207.48	-94.68	4,572.53	8,497.39	4,246.47	3,888.12	358.35	11.850		
16,300.00	6,953.00	15,655.00	7,116.19	295.52	207.48	-94.68	4,572.53	8,497.39	4,326.81	3,971.48	355.33	12.177		
16,400.00	6,953.00	15,655.00	7,116.19	298.18	207.48	-94.68	4,572.53	8,497.39	4,407.95	4,055.59	352.37	12.510		
16,500.00	6,953.00	15,655.00	7,116.19	300.84	207.48	-94.68	4,572.53	8,497.39	4,489.86	4,140.40	349.46	12.848		
16,600.00	6,953.00	15,655.00	7,116.19	303.50	207.48	-94.68	4,572.53	8,497.39	4,572.49	4,225.87	346.62	13.192		
16,700.00	6,953.00	15,655.00	7,116.19	306.16	207.48	-94.68	4,572.53	8,497.39	4,655.79	4,311.95	343.84	13.541		
16,800.00	6,953.00	15,655.00	7,116.19	308.82	207.48	-94.68	4,572.53	8,497.39	4,739.75	4,398.63	341.12	13.895		
16,900.00	6,953.00	15,655.00	7,116.19	311.49	207.48	-94.68	4,572.53	8,497.39	4,824.31	4,485.85	338.46	14.254		
17,000.00	6,953.00	15,655.00	7,116.19	314.15	207.48	-94.68	4,572.53	8,497.39	4,909.46	4,573.59	335.87	14.617		
17,100.00	6,953.00	15,655.00	7,116.19	316.82	207.48	-94.68	4,572.53	8,497.39	4,995.16	4,661.82	333.33	14.985		
17,200.00	6,953.00	15,655.00	7,116.19	319.48	207.48	-94.68	4,572.53	8,497.39	5,081.38	4,750.52	330.86	15.358		
17,300.00	6,953.00	15,655.00	7,116.19	322.15	207.48	-94.68	4,572.53	8,497.39	5,168.09	4,839.65	328.45	15.735		
17,400.00	6,953.00	15,655.00	7,116.19	324.82	207.48	-94.68	4,572.53	8,497.39	5,255.28	4,929.19	326.09	16.116		
17,500.00	6,953.00	15,655.00	7,116.19	327.49	207.48	-94.68	4,572.53	8,497.39	5,342.92	5,019.12	323.79	16.501		
17,600.00	6,953.00	15,655.00	7,116.19	330.16	207.48	-94.68	4,572.53	8,497.39	5,430.98	5,109.43	321.55	16.890		
17,700.00	6,953.00	15,655.00	7,116.19	332.83	207.48	-94.68	4,572.53	8,497.39	5,519.45	5,200.08	319.37	17.282		
17,800.00	6,953.00	15,655.00	7,116.19	335.50	207.48	-94.68	4,572.53	8,497.39	5,608.31	5,291.07	317.24	17.679		
17,900.00	6,953.00	15,655.00	7,116.19	338.17	207.48	-94.68	4,572.53	8,497.39	5,697.54	5,382.38	315.16	18.078		
18,000.00	6,953.00	15,655.00	7,116.19	340.85	207.48	-94.68	4,572.53	8,497.39	5,787.12	5,473.98	313.14	18.481		
18,100.00	6,953.00	15,655.00	7,116.19	343.52	207.48	-94.68	4,572.53	8,497.39	5,877.03	5,565.87	311.16	18.887		
18,200.00	6,953.00	15,655.00	7,116.19	346.19	207.48	-94.68	4,572.53	8,497.39	5,967.27	5,658.03	309.23	19.297		
18,300.00	6,953.00	15,655.00	7,116.19	348.87	207.48	-94.68	4,572.53	8,497.39	6,057.81	5,750.45	307.36	19.709		
18,400.00	6,953.00	15,655.00	7,116.19	351.55	207.48	-94.68	4,572.53	8,497.39	6,148.65	5,843.12	305.53	20.125		
18,500.00	6,953.00	15,655.00	7,116.19	354.22	207.48	-94.68	4,572.53	8,497.39	6,239.76	5,936.02	303.74	20.543		
18,600.00	6,953.00	15,655.00	7,116.19	356.90	207.48	-94.68	4,572.53	8,497.39	6,331.15	6,029.15	302.00	20.964		
18,700.00	6,953.00	15,655.00	7,116.19	359.58	207.48	-94.68	4,572.53	8,497.39	6,422.79	6,122.49	300.30	21.388		
18,800.00	6,953.00	15,655.00	7,116.19	362.26	207.48	-94.68	4,572.53	8,497.39	6,514.68	6,216.03	298.65	21.814		
18,900.00	6,953.00	15,655.00	7,116.19	364.94	207.48	-94.68	4,572.53	8,497.39	6,606.80	6,309.77	297.03	22.243		
19,000.00	6,953.00	15,655.00	7,116.19	367.62	207.48	-94.68	4,572.53	8,497.39	6,699.15	6,403.69	295.46	22.674		
19,073.74	6,953.00	15,655.00	7,116.19	369.59	207.48	-94.68	4,572.53	8,497.39	6,767.39	6,473.07	294.32	22.993		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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		
100.00	100.00	53.80	53.80	0.27	0.11	59.84	837.19	1,440.82	1,666.39	1,666.01	0.38	4,393.345		
200.00	199.98	151.26	151.26	0.63	0.46	-3.61	837.26	1,440.98	1,664.83	1,663.74	1.08	1,534.980		
300.00	299.84	253.69	253.69	0.99	0.82	-3.63	837.52	1,440.98	1,659.73	1,657.92	1.81	917.356		
400.00	399.45	353.44	353.43	1.36	1.17	-3.68	837.99	1,440.78	1,651.09	1,648.57	2.53	653.224		
500.00	498.70	451.01	451.01	1.76	1.52	-3.73	838.15	1,440.79	1,639.02	1,635.78	3.24	505.356		
600.00	597.47	547.16	547.15	2.18	1.86	-3.79	838.55	1,440.84	1,623.67	1,619.71	3.96	410.173		
700.00	695.62	644.33	644.33	2.63	2.21	-3.88	839.22	1,440.87	1,604.99	1,600.31	4.68	342.839		
800.00	793.06	733.49	733.47	3.11	2.52	-4.01	840.53	1,440.63	1,583.07	1,577.69	5.38	294.302		
900.00	889.64	816.17	816.07	3.64	2.82	-4.24	844.10	1,439.89	1,558.61	1,552.55	6.06	257.221		
1,000.00	985.27	898.45	898.15	4.22	3.12	-4.56	849.65	1,438.70	1,531.60	1,524.85	6.75	227.002		
1,100.00	1,079.82	973.62	973.00	4.84	3.39	-4.94	856.42	1,437.62	1,502.41	1,494.99	7.42	202.500		
1,200.00	1,173.17	1,068.00	1,066.81	5.52	3.74	-5.52	866.65	1,435.71	1,470.44	1,462.26	8.18	179.851		
1,300.00	1,265.21	1,152.44	1,150.49	6.26	4.06	-6.18	877.64	1,433.11	1,435.59	1,426.67	8.91	161.066		
1,400.00	1,355.84	1,241.10	1,237.98	7.06	4.42	-7.06	891.52	1,429.48	1,398.22	1,388.53	9.69	144.329		
1,500.00	1,444.94	1,327.83	1,323.17	7.92	4.77	-8.11	907.04	1,424.75	1,358.04	1,347.56	10.48	129.571		
1,600.00	1,532.39	1,404.68	1,398.29	8.84	5.11	-9.25	922.49	1,419.74	1,315.47	1,304.21	11.27	116.761		
1,700.00	1,618.11	1,479.24	1,470.85	9.83	5.44	-10.54	938.84	1,414.75	1,271.11	1,259.03	12.07	105.286		
1,800.00	1,701.97	1,549.12	1,538.73	10.89	5.76	-11.91	954.87	1,410.26	1,224.99	1,212.10	12.89	95.010		
1,900.00	1,783.88	1,610.89	1,598.55	12.02	6.06	-13.30	969.86	1,406.83	1,177.85	1,164.13	13.72	85.855		
1,991.28	1,856.86	1,664.41	1,649.86	13.11	6.33	-14.73	984.71	1,403.52	1,134.32	1,119.81	14.50	78.203		
2,000.00	1,863.75	1,682.00	1,666.58	13.21	6.42	-15.16	990.03	1,402.32	1,130.25	1,115.60	14.65	77.155		
2,100.00	1,942.74	1,749.89	1,730.55	14.45	6.79	-17.00	1,011.93	1,396.39	1,083.34	1,067.69	15.65	69.242		
2,200.00	2,021.72	1,829.87	1,804.77	15.69	7.27	-19.51	1,040.06	1,386.54	1,037.84	1,021.02	16.83	61.671		
2,300.00	2,100.71	1,894.70	1,863.97	16.95	7.68	-21.82	1,064.58	1,376.67	994.69	976.66	18.03	55.163		
2,400.00	2,179.70	1,946.53	1,910.44	18.21	8.04	-23.83	1,085.87	1,368.17	955.78	936.55	19.23	49.692		
2,500.00	2,258.69	2,002.61	1,959.90	19.47	8.45	-26.15	1,110.54	1,358.63	921.92	901.35	20.57	44.814		
2,600.00	2,337.68	2,061.24	2,011.02	20.74	8.89	-28.70	1,137.40	1,348.52	893.29	871.27	22.02	40.566		
2,700.00	2,416.66	2,132.88	2,073.07	22.02	9.46	-31.95	1,170.89	1,335.85	869.84	846.10	23.73	36.650		
2,800.00	2,495.65	2,193.58	2,125.38	23.29	9.96	-34.79	1,199.64	1,324.82	851.84	826.48	25.36	33.594		
2,900.00	2,574.64	2,250.50	2,173.89	24.57	10.44	-37.52	1,227.53	1,314.39	840.57	813.64	26.94	31.207		
3,000.00	2,653.63	2,321.59	2,234.04	25.85	11.07	-40.99	1,262.92	1,300.88	835.71	806.92	28.79	29.030		
3,030.11	2,677.41	2,342.64	2,251.82	26.24	11.26	-42.02	1,273.41	1,296.71	835.43	806.09	29.34	28.476	CC, ES	
3,100.00	2,732.62	2,390.90	2,292.47	27.14	11.70	-44.42	1,297.49	1,286.88	836.95	806.36	30.59	27.359		
3,200.00	2,811.61	2,463.04	2,353.07	28.42	12.35	-48.01	1,333.46	1,271.49	844.43	812.00	32.42	26.045		
3,300.00	2,890.59	2,541.29	2,419.08	29.71	13.08	-51.89	1,371.73	1,254.11	857.37	823.03	34.34	24.964		
3,400.00	2,969.58	2,609.63	2,476.87	31.00	13.72	-55.22	1,404.80	1,238.74	875.95	839.97	35.98	24.342		
3,500.00	3,048.57	2,677.07	2,533.94	32.29	14.35	-58.42	1,437.49	1,223.86	900.16	862.63	37.53	23.983		
3,600.00	3,127.56	2,744.20	2,590.83	33.58	14.98	-61.47	1,470.32	1,209.95	929.53	890.52	39.01	23.827		
3,700.00	3,206.55	2,810.49	2,646.92	34.87	15.61	-64.31	1,503.30	1,197.32	963.62	923.20	40.42	23.840		
3,800.00	3,285.53	2,883.22	2,708.44	36.16	16.30	-67.26	1,539.93	1,184.51	1,001.65	959.70	41.95	23.876		
3,900.00	3,364.52	2,955.97	2,770.01	37.45	16.99	-70.02	1,576.73	1,172.39	1,042.89	999.42	43.46	23.995		
4,000.00	3,443.51	3,030.87	2,833.38	38.74	17.69	-72.69	1,614.87	1,160.61	1,086.94	1,041.93	45.01	24.150		
4,100.00	3,522.50	3,111.99	2,902.04	40.04	18.46	-75.34	1,656.61	1,149.47	1,133.08	1,086.38	46.70	24.264		
4,200.00	3,601.49	3,198.83	2,975.42	41.33	19.27	-77.86	1,702.16	1,140.45	1,180.60	1,132.08	48.52	24.333		
4,300.00	3,680.47	3,280.05	3,043.97	42.63	20.02	-79.98	1,745.21	1,133.78	1,229.21	1,179.01	50.21	24.483		
4,400.00	3,759.46	3,365.35	3,115.97	43.92	20.81	-82.02	1,790.54	1,127.73	1,278.77	1,226.78	51.99	24.597		
4,500.00	3,838.45	3,459.20	3,195.26	45.22	21.67	-84.05	1,840.48	1,122.55	1,328.79	1,274.82	53.97	24.622		
4,600.00	3,917.44	3,547.13	3,269.60	46.51	22.47	-85.77	1,887.34	1,119.21	1,378.97	1,323.16	55.81	24.709		
4,700.00	3,996.43	3,614.94	3,326.91	47.81	23.09	-87.01	1,923.48	1,116.73	1,429.96	1,372.77	57.18	25.006		
4,800.00	4,075.42	3,675.54	3,378.11	49.10	23.65	-88.11	1,955.70	1,113.25	1,482.66	1,424.27	58.39	25.393		
4,900.00	4,154.40	3,737.80	3,430.71	50.40	24.23	-89.23	1,988.67	1,108.56	1,536.95	1,477.33	59.62	25.780		
5,000.00	4,233.39	3,795.79	3,479.69	51.70	24.79	-90.25	2,019.27	1,103.20	1,592.75	1,532.02	60.74	26.224		

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-20-01
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-20-01	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	4,312.38	3,853.00	3,527.93	52.99	25.34	-91.25	2,049.34	1,096.80	1,650.17	1,588.34	61.82	26.692		
5,200.00	4,391.37	3,906.64	3,573.16	54.29	25.86	-92.17	2,077.30	1,089.73	1,709.09	1,646.28	62.81	27.212		
5,300.00	4,470.36	3,961.60	3,619.53	55.59	26.39	-93.12	2,105.58	1,081.38	1,769.43	1,705.62	63.81	27.729		
5,400.00	4,549.34	4,017.67	3,666.84	56.89	26.95	-94.08	2,134.19	1,071.98	1,831.05	1,766.23	64.83	28.245		
5,500.00	4,628.33	4,083.73	3,722.52	58.18	27.60	-95.17	2,167.71	1,060.18	1,893.75	1,827.67	66.08	28.659		
5,600.00	4,707.32	4,160.93	3,787.60	59.48	28.36	-96.37	2,206.95	1,046.58	1,956.92	1,889.32	67.60	28.949		
5,700.00	4,786.31	4,263.96	3,874.58	60.78	29.37	-97.85	2,259.43	1,029.40	2,020.12	1,950.39	69.73	28.971		
5,800.00	4,865.30	4,389.98	3,981.31	62.08	30.59	-99.40	2,324.40	1,013.07	2,081.56	2,009.17	72.39	28.753		
5,900.00	4,944.28	4,459.54	4,040.09	63.38	31.27	-100.16	2,360.78	1,005.37	2,142.74	2,068.98	73.76	29.051		
6,000.00	5,023.27	4,518.21	4,089.64	64.68	31.84	-100.79	2,391.40	998.31	2,204.73	2,129.86	74.87	29.448		
6,100.00	5,102.26	4,602.35	4,160.66	65.97	32.66	-101.64	2,435.36	988.12	2,267.09	2,190.52	76.56	29.610		
6,200.00	5,181.25	4,657.46	4,207.15	67.27	33.19	-102.17	2,464.15	981.35	2,329.81	2,252.22	77.59	30.027		
6,300.00	5,260.24	4,702.00	4,244.74	68.57	33.63	-102.60	2,487.28	975.33	2,393.45	2,315.09	78.37	30.542		
6,400.00	5,339.23	4,764.59	4,297.58	69.87	34.25	-103.21	2,519.52	966.07	2,457.88	2,378.33	79.55	30.898		
6,500.00	5,418.21	4,823.89	4,347.70	71.17	34.83	-103.78	2,549.74	956.55	2,523.07	2,442.42	80.65	31.284		
6,600.00	5,497.20	4,891.35	4,404.70	72.47	35.50	-104.40	2,584.08	945.48	2,588.68	2,506.74	81.94	31.593		
6,700.00	5,576.19	4,974.71	4,475.13	73.77	36.32	-105.13	2,626.58	931.99	2,654.40	2,570.81	83.59	31.754		
6,800.00	5,655.18	5,067.97	4,553.93	75.07	37.24	-105.89	2,674.38	917.68	2,719.88	2,634.40	85.48	31.821		
6,900.00	5,734.17	5,147.37	4,621.00	76.37	38.02	-106.49	2,715.27	906.13	2,785.12	2,698.07	87.05	31.996		
7,000.00	5,813.15	5,220.19	4,682.53	77.67	38.74	-107.01	2,752.79	895.64	2,850.43	2,761.96	88.47	32.220		
7,100.00	5,892.14	5,289.04	4,740.73	78.97	39.41	-107.49	2,788.17	885.60	2,915.94	2,826.14	89.80	32.472		
7,200.00	5,971.13	10,741.00	7,257.10	80.27	81.61	-85.45	4,314.27	3,500.95	2,937.84	2,809.04	128.80	22.809		
7,300.00	6,050.12	10,797.19	7,257.42	81.57	82.86	-84.44	4,311.29	3,557.05	2,875.72	2,743.30	132.43	21.716		
7,400.00	6,129.11	10,826.70	7,257.57	82.86	83.53	-83.89	4,310.15	3,586.54	2,815.46	2,679.46	136.00	20.702		
7,500.00	6,208.09	10,856.50	7,257.71	84.16	84.20	-83.33	4,309.28	3,616.33	2,756.93	2,617.28	139.65	19.742		
7,600.00	6,287.08	10,886.58	7,257.85	85.46	84.88	-82.75	4,308.70	3,646.41	2,700.22	2,556.86	143.36	18.835		
7,700.00	6,366.07	10,929.00	7,258.02	86.76	85.85	-81.93	4,308.39	3,688.82	2,645.51	2,498.32	147.19	17.973		
7,800.00	6,445.06	10,948.95	7,258.10	88.06	86.32	-81.54	4,308.44	3,708.78	2,592.74	2,441.77	150.97	17.174		
7,900.00	6,524.05	10,982.20	7,258.26	89.36	87.10	-80.88	4,308.75	3,742.02	2,542.14	2,387.29	154.85	16.417		
8,000.00	6,603.03	11,023.00	7,258.48	90.66	88.06	-80.06	4,309.54	3,782.81	2,493.80	2,335.02	158.78	15.706		
8,100.00	6,682.02	11,063.77	7,258.71	91.96	89.03	-79.24	4,310.59	3,823.57	2,447.66	2,284.94	162.72	15.042		
8,133.44	6,708.44	11,081.09	7,258.81	92.40	89.45	-78.88	4,311.05	3,840.88	2,432.70	2,268.65	164.05	14.829		
8,150.00	6,721.39	11,089.85	7,258.85	92.62	89.66	-80.55	4,311.29	3,849.64	2,425.45	2,260.74	164.72	14.725		
8,200.00	6,758.90	11,117.00	7,258.99	93.34	90.31	-84.94	4,312.04	3,876.78	2,404.91	2,238.11	166.80	14.418		
8,250.00	6,793.76	11,148.52	7,259.15	94.13	91.07	-88.45	4,312.96	3,908.28	2,386.45	2,217.44	169.01	14.120		
8,300.00	6,825.72	11,181.40	7,259.35	95.00	91.86	-91.28	4,313.98	3,941.15	2,370.15	2,198.83	171.32	13.835		
8,350.00	6,854.52	11,219.70	7,259.61	95.93	92.79	-93.50	4,315.23	3,979.43	2,356.05	2,182.33	173.71	13.563		
8,400.00	6,879.97	11,280.10	7,260.03	96.92	94.26	-95.02	4,316.95	4,039.79	2,343.92	2,167.67	176.25	13.299		
8,450.00	6,901.84	11,402.33	7,260.83	97.95	97.24	-95.65	4,318.15	4,162.01	2,333.26	2,154.31	178.95	13.039		
8,500.00	6,920.00	11,512.52	7,260.97	99.02	99.93	-96.33	4,315.51	4,272.17	2,322.85	2,141.32	181.53	12.796		
8,550.00	6,934.28	11,565.65	7,260.95	100.12	101.23	-97.30	4,313.55	4,325.26	2,313.96	2,129.88	184.08	12.571		
8,600.00	6,944.59	11,609.27	7,261.01	101.22	102.30	-98.06	4,311.86	4,368.85	2,307.03	2,120.42	186.62	12.362		
8,650.00	6,950.84	11,644.72	7,261.07	102.33	103.17	-98.59	4,310.68	4,404.28	2,302.39	2,113.26	189.13	12.173		
8,701.16	6,953.00	11,684.00	7,261.15	103.44	104.14	-98.83	4,309.62	4,443.55	2,300.07	2,108.43	191.65	12.001		
8,800.00	6,953.00	11,743.25	7,261.27	105.59	105.62	-98.84	4,308.70	4,502.79	2,298.76	2,102.32	196.44	11.702		
8,824.00	6,953.00	11,758.21	7,261.31	106.12	105.99	-98.84	4,308.61	4,517.74	2,298.68	2,101.08	197.60	11.633		
8,900.00	6,953.00	11,817.15	7,261.42	107.79	107.47	-98.84	4,308.70	4,576.69	2,298.95	2,097.65	201.30	11.421		
9,000.00	6,953.00	11,919.42	7,261.56	110.02	110.04	-98.84	4,309.23	4,678.96	2,299.69	2,093.47	206.22	11.152		
9,100.00	6,953.00	12,029.08	7,261.80	112.26	112.81	-98.85	4,309.17	4,788.61	2,299.86	2,088.70	211.16	10.891		
9,200.00	6,953.00	12,118.31	7,261.90	114.52	115.07	-98.85	4,309.18	4,877.85	2,300.11	2,084.01	216.11	10.643		
9,300.00	6,953.00	12,227.74	7,262.04	116.80	117.86	-98.85	4,309.58	4,987.27	2,300.73	2,079.63	221.10	10.406		
9,400.00	6,953.00	12,351.79	7,262.08	119.10	121.02	-98.85	4,308.85	5,111.32	2,300.35	2,074.24	226.11	10.174		

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-20-01
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-20-01	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		
9,500.00	6,953.00	12,476.99	7,261.89	121.42	124.22	-98.86	4,306.39	5,236.50	2,298.52	2,067.41	231.11	9.945		
9,600.00	6,953.00	12,556.74	7,261.68	123.75	126.27	-98.86	4,304.94	5,316.23	2,296.90	2,060.75	236.15	9.726		
9,683.35	6,953.00	12,614.63	7,261.51	125.71	127.76	-98.86	4,304.52	5,374.12	2,296.44	2,056.09	240.35	9.554		
9,700.00	6,953.00	12,630.00	7,261.47	126.10	128.15	-98.85	4,304.51	5,389.49	2,296.46	2,055.27	241.19	9.521		
9,800.00	6,953.00	12,720.02	7,261.24	128.46	130.47	-98.85	4,304.72	5,479.51	2,296.84	2,050.59	246.25	9.327		
9,900.00	6,953.00	12,825.64	7,260.99	130.84	133.21	-98.84	4,304.93	5,585.13	2,297.22	2,045.88	251.34	9.140		
10,000.00	6,953.00	12,932.80	7,260.83	133.23	135.98	-98.83	4,304.93	5,692.29	2,297.41	2,040.98	256.43	8.959		
10,100.00	6,953.00	13,062.08	7,260.62	135.63	139.34	-98.83	4,303.61	5,821.56	2,296.55	2,035.02	261.53	8.781		
10,200.00	6,953.00	13,185.72	7,260.20	138.04	142.55	-98.83	4,301.17	5,945.18	2,294.77	2,028.16	266.61	8.607		
10,300.00	6,953.00	13,257.60	7,259.91	140.46	144.42	-98.83	4,299.67	6,017.04	2,292.89	2,021.12	271.77	8.437		
10,360.67	6,953.00	13,292.00	7,259.80	141.94	145.32	-98.83	4,299.35	6,051.44	2,292.48	2,017.60	274.88	8.340		
10,400.00	6,953.00	13,317.44	7,259.71	142.90	145.98	-98.83	4,299.34	6,076.87	2,292.55	2,015.67	276.89	8.280		
10,500.00	6,953.00	13,386.00	7,259.44	145.34	147.78	-98.81	4,300.57	6,145.42	2,294.28	2,012.30	281.97	8.136		
10,600.00	6,953.00	13,427.10	7,259.29	147.80	148.85	-98.80	4,302.12	6,186.49	2,297.79	2,010.91	286.88	8.010		
10,700.00	6,953.00	13,498.60	7,259.18	150.26	150.73	-98.79	4,306.00	6,257.88	2,303.23	2,011.36	291.86	7.891		
10,800.00	6,953.00	13,703.90	7,260.25	152.73	156.12	-98.79	4,311.70	6,463.08	2,305.78	2,008.30	297.48	7.751		
10,900.00	6,953.00	13,798.89	7,260.63	155.21	158.62	-98.79	4,312.80	6,558.07	2,307.19	2,004.55	302.63	7.624		
11,000.00	6,953.00	13,887.94	7,260.60	157.70	160.96	-98.79	4,313.86	6,647.10	2,308.59	2,000.80	307.79	7.501		
11,100.00	6,953.00	13,954.00	7,260.50	160.20	162.70	-98.78	4,315.55	6,713.14	2,311.28	1,998.42	312.86	7.388		
11,200.00	6,953.00	14,033.67	7,260.42	162.70	164.80	-98.76	4,318.52	6,792.76	2,315.14	1,997.20	317.95	7.282		
11,300.00	6,953.00	14,207.68	7,259.48	165.21	169.39	-98.72	4,323.03	6,966.69	2,317.86	1,994.41	323.45	7.166		
11,400.00	6,953.00	14,333.00	7,259.18	167.73	172.70	-98.71	4,322.90	7,092.00	2,317.83	1,989.14	328.69	7.052		
11,404.45	6,953.00	14,334.02	7,259.18	167.84	172.73	-98.71	4,322.90	7,093.02	2,317.83	1,988.91	328.92	7.047		
11,500.00	6,953.00	14,427.00	7,259.71	170.25	175.18	-98.73	4,322.72	7,186.00	2,317.93	1,984.05	333.88	6.942		
11,600.00	6,953.00	14,509.29	7,260.19	172.78	177.36	-98.74	4,322.92	7,268.28	2,318.48	1,979.41	339.07	6.838		
11,700.00	6,953.00	14,598.65	7,260.74	175.31	179.73	-98.75	4,323.76	7,357.64	2,319.71	1,975.45	344.26	6.738		
11,800.00	6,953.00	14,696.28	7,261.00	177.85	182.32	-98.75	4,325.01	7,455.27	2,321.22	1,971.75	349.47	6.642		
11,900.00	6,953.00	14,891.25	7,260.44	180.40	187.48	-98.74	4,323.66	7,650.22	2,320.69	1,966.02	354.68	6.543		
12,000.00	6,953.00	15,019.11	7,260.12	182.95	190.87	-98.75	4,319.39	7,778.00	2,317.57	1,957.78	359.79	6.441		
12,100.00	6,953.00	15,130.76	7,260.01	185.50	193.82	-98.76	4,314.21	7,889.53	2,313.13	1,948.18	364.95	6.338		
12,200.00	6,953.00	15,185.00	7,259.84	188.06	195.26	-98.77	4,311.99	7,943.72	2,309.52	1,939.13	370.39	6.235		
12,300.00	6,953.00	15,279.00	7,260.06	190.63	197.75	-98.78	4,309.80	8,037.69	2,307.46	1,931.82	375.64	6.143		
12,400.00	6,953.00	15,346.13	7,260.73	193.20	199.54	-98.80	4,309.15	8,104.81	2,306.62	1,925.69	380.93	6.055		
12,497.85	6,953.00	15,429.95	7,261.54	195.71	201.77	-98.82	4,308.50	8,188.63	2,306.24	1,920.19	386.05	5.974		
12,500.00	6,953.00	15,431.67	7,261.56	195.77	201.82	-98.82	4,308.49	8,190.35	2,306.24	1,920.08	386.16	5.972		
12,600.00	6,953.00	15,510.02	7,261.91	198.35	203.90	-98.83	4,308.65	8,268.70	2,306.71	1,915.33	391.39	5.894		
12,700.00	6,953.00	15,604.37	7,262.20	200.93	206.42	-98.83	4,309.69	8,363.05	2,308.05	1,911.42	396.63	5.819		
12,800.00	6,953.00	15,723.65	7,262.55	203.51	209.60	-98.83	4,310.21	8,482.32	2,308.71	1,906.80	401.91	5.744		
12,900.00	6,953.00	15,741.00	7,262.63	206.10	210.06	-98.84	4,310.23	8,499.67	2,310.56	1,903.70	406.86	5.679		
13,000.00	6,953.00	15,741.00	7,262.63	208.69	210.06	-98.84	4,310.23	8,499.67	2,316.66	1,905.58	411.08	5.636		
13,100.00	6,953.00	15,741.00	7,262.63	211.29	210.06	-98.84	4,310.23	8,499.67	2,327.04	1,912.48	414.56	5.613		
13,200.00	6,953.00	15,741.00	7,262.63	213.88	210.06	-98.84	4,310.23	8,499.67	2,341.66	1,924.35	417.30	5.611 SF		
13,300.00	6,953.00	15,741.00	7,262.63	216.48	210.06	-98.84	4,310.23	8,499.67	2,360.42	1,941.10	419.32	5.629		
13,400.00	6,953.00	15,741.00	7,262.63	219.09	210.06	-98.84	4,310.23	8,499.67	2,383.23	1,962.61	420.63	5.666		
13,500.00	6,953.00	15,741.00	7,262.63	221.69	210.06	-98.84	4,310.23	8,499.67	2,409.98	1,988.72	421.26	5.721		
13,600.00	6,953.00	15,741.00	7,262.63	224.30	210.06	-98.84	4,310.23	8,499.67	2,440.54	2,019.27	421.27	5.793		
13,700.00	6,953.00	15,741.00	7,262.63	226.92	210.06	-98.84	4,310.23	8,499.67	2,474.77	2,054.08	420.69	5.883		
13,800.00	6,953.00	15,741.00	7,262.63	229.53	210.06	-98.84	4,310.23	8,499.67	2,512.51	2,092.93	419.57	5.988		
13,900.00	6,953.00	15,741.00	7,262.63	232.15	210.06	-98.84	4,310.23	8,499.67	2,553.61	2,135.63	417.98	6.109		
14,000.00	6,953.00	15,741.00	7,262.63	234.77	210.06	-98.84	4,310.23	8,499.67	2,597.91	2,181.96	415.95	6.246		
14,100.00	6,953.00	15,741.00	7,262.63	237.39	210.06	-98.84	4,310.23	8,499.67	2,645.25	2,231.70	413.55	6.396		
14,200.00	6,953.00	15,741.00	7,262.63	240.01	210.06	-98.84	4,310.23	8,499.67	2,695.48	2,284.65	410.83	6.561		

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-20-01
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-20-01	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		
14,300.00	6,953.00	15,741.00	7,262.63	242.64	210.06	-98.84	4,310.23	8,499.67	2,748.42	2,340.59	407.83	6.739		
14,400.00	6,953.00	15,741.00	7,262.63	245.27	210.06	-98.84	4,310.23	8,499.67	2,803.93	2,399.33	404.61	6.930		
14,500.00	6,953.00	15,741.00	7,262.63	247.90	210.06	-98.84	4,310.23	8,499.67	2,861.86	2,460.67	401.19	7.133		
14,600.00	6,953.00	15,741.00	7,262.63	250.53	210.06	-98.84	4,310.23	8,499.67	2,922.07	2,524.43	397.63	7.349		
14,700.00	6,953.00	15,741.00	7,262.63	253.16	210.06	-98.84	4,310.23	8,499.67	2,984.41	2,590.45	393.96	7.575		
14,800.00	6,953.00	15,741.00	7,262.63	255.80	210.06	-98.84	4,310.23	8,499.67	3,048.76	2,658.55	390.21	7.813		
14,900.00	6,953.00	15,741.00	7,262.63	258.43	210.06	-98.84	4,310.23	8,499.67	3,114.99	2,728.59	386.40	8.062		
15,000.00	6,953.00	15,741.00	7,262.63	261.07	210.06	-98.84	4,310.23	8,499.67	3,182.98	2,800.43	382.56	8.320		
15,100.00	6,953.00	15,741.00	7,262.63	263.71	210.06	-98.84	4,310.23	8,499.67	3,252.63	2,873.93	378.71	8.589		
15,200.00	6,953.00	15,741.00	7,262.63	266.36	210.06	-98.84	4,310.23	8,499.67	3,323.83	2,948.97	374.86	8.867		
15,300.00	6,953.00	15,741.00	7,262.63	269.00	210.06	-98.84	4,310.23	8,499.67	3,396.48	3,025.44	371.04	9.154		
15,400.00	6,953.00	15,741.00	7,262.63	271.65	210.06	-98.84	4,310.23	8,499.67	3,470.49	3,103.23	367.25	9.450		
15,500.00	6,953.00	15,741.00	7,262.63	274.29	210.06	-98.84	4,310.23	8,499.67	3,545.77	3,182.26	363.51	9.754		
15,600.00	6,953.00	15,741.00	7,262.63	276.94	210.06	-98.84	4,310.23	8,499.67	3,622.26	3,262.43	359.82	10.067		
15,700.00	6,953.00	15,741.00	7,262.63	279.59	210.06	-98.84	4,310.23	8,499.67	3,699.86	3,343.66	356.20	10.387		
15,800.00	6,953.00	15,741.00	7,262.63	282.24	210.06	-98.84	4,310.23	8,499.67	3,778.52	3,425.88	352.64	10.715		
15,900.00	6,953.00	15,741.00	7,262.63	284.90	210.06	-98.84	4,310.23	8,499.67	3,858.16	3,509.01	349.15	11.050		
16,000.00	6,953.00	15,741.00	7,262.63	287.55	210.06	-98.84	4,310.23	8,499.67	3,938.73	3,593.00	345.74	11.392		
16,100.00	6,953.00	15,741.00	7,262.63	290.20	210.06	-98.84	4,310.23	8,499.67	4,020.18	3,677.78	342.40	11.741		
16,200.00	6,953.00	15,741.00	7,262.63	292.86	210.06	-98.84	4,310.23	8,499.67	4,102.45	3,763.31	339.14	12.097		
16,300.00	6,953.00	15,741.00	7,262.63	295.52	210.06	-98.84	4,310.23	8,499.67	4,185.49	3,849.53	335.96	12.458		
16,400.00	6,953.00	15,741.00	7,262.63	298.18	210.06	-98.84	4,310.23	8,499.67	4,269.25	3,936.40	332.86	12.826		
16,500.00	6,953.00	15,741.00	7,262.63	300.84	210.06	-98.84	4,310.23	8,499.67	4,353.71	4,023.87	329.84	13.200		
16,600.00	6,953.00	15,741.00	7,262.63	303.50	210.06	-98.84	4,310.23	8,499.67	4,438.80	4,111.91	326.89	13.579		
16,700.00	6,953.00	15,741.00	7,262.63	306.16	210.06	-98.84	4,310.23	8,499.67	4,524.51	4,200.48	324.03	13.963		
16,800.00	6,953.00	15,741.00	7,262.63	308.82	210.06	-98.84	4,310.23	8,499.67	4,610.79	4,289.55	321.24	14.353		
16,900.00	6,953.00	15,741.00	7,262.63	311.49	210.06	-98.84	4,310.23	8,499.67	4,697.62	4,379.09	318.53	14.748		
17,000.00	6,953.00	15,741.00	7,262.63	314.15	210.06	-98.84	4,310.23	8,499.67	4,784.96	4,469.07	315.89	15.147		
17,100.00	6,953.00	15,741.00	7,262.63	316.82	210.06	-98.84	4,310.23	8,499.67	4,872.79	4,559.46	313.33	15.552		
17,200.00	6,953.00	15,741.00	7,262.63	319.48	210.06	-98.84	4,310.23	8,499.67	4,961.08	4,650.25	310.83	15.961		
17,300.00	6,953.00	15,741.00	7,262.63	322.15	210.06	-98.84	4,310.23	8,499.67	5,049.81	4,741.40	308.41	16.374		
17,400.00	6,953.00	15,741.00	7,262.63	324.82	210.06	-98.84	4,310.23	8,499.67	5,138.95	4,832.89	306.05	16.791		
17,500.00	6,953.00	15,741.00	7,262.63	327.49	210.06	-98.84	4,310.23	8,499.67	5,228.48	4,924.72	303.76	17.212		
17,600.00	6,953.00	15,741.00	7,262.63	330.16	210.06	-98.84	4,310.23	8,499.67	5,318.39	5,016.85	301.54	17.638		
17,700.00	6,953.00	15,741.00	7,262.63	332.83	210.06	-98.84	4,310.23	8,499.67	5,408.65	5,109.27	299.37	18.067		
17,800.00	6,953.00	15,741.00	7,262.63	335.50	210.06	-98.84	4,310.23	8,499.67	5,499.24	5,201.98	297.27	18.499		
17,900.00	6,953.00	15,741.00	7,262.63	338.17	210.06	-98.84	4,310.23	8,499.67	5,590.16	5,294.94	295.22	18.936		
18,000.00	6,953.00	15,741.00	7,262.63	340.85	210.06	-98.84	4,310.23	8,499.67	5,681.38	5,388.15	293.23	19.375		
18,100.00	6,953.00	15,741.00	7,262.63	343.52	210.06	-98.84	4,310.23	8,499.67	5,772.90	5,481.60	291.30	19.818		
18,200.00	6,953.00	15,741.00	7,262.63	346.19	210.06	-98.84	4,310.23	8,499.67	5,864.69	5,575.27	289.42	20.264		
18,300.00	6,953.00	15,741.00	7,262.63	348.87	210.06	-98.84	4,310.23	8,499.67	5,956.74	5,669.16	287.59	20.713		
18,400.00	6,953.00	15,741.00	7,262.63	351.55	210.06	-98.84	4,310.23	8,499.67	6,049.05	5,763.24	285.81	21.165		
18,500.00	6,953.00	15,741.00	7,262.63	354.22	210.06	-98.84	4,310.23	8,499.67	6,141.60	5,857.52	284.07	21.620		
18,600.00	6,953.00	15,741.00	7,262.63	356.90	210.06	-98.84	4,310.23	8,499.67	6,234.38	5,951.99	282.39	22.077		
18,700.00	6,953.00	15,741.00	7,262.63	359.58	210.06	-98.84	4,310.23	8,499.67	6,327.38	6,046.63	280.75	22.537		
18,800.00	6,953.00	15,741.00	7,262.63	362.26	210.06	-98.84	4,310.23	8,499.67	6,420.59	6,141.43	279.15	23.000		
18,900.00	6,953.00	15,741.00	7,262.63	364.94	210.06	-98.84	4,310.23	8,499.67	6,514.00	6,236.40	277.60	23.465		
19,000.00	6,953.00	15,741.00	7,262.63	367.62	210.06	-98.84	4,310.23	8,499.67	6,607.60	6,331.51	276.09	23.933		
19,073.74	6,953.00	15,741.00	7,262.63	369.59	210.06	-98.84	4,310.23	8,499.67	6,676.74	6,401.75	275.00	24.279		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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	52.93	52.93	0.27	0.11	58.48	899.13	1,465.91	1,719.69	1,719.31	0.38	4,571.422		
200.00	199.98	147.94	147.94	0.63	0.45	-4.97	899.33	1,466.12	1,718.25	1,717.18	1.07	1,601.336		
300.00	299.84	246.92	246.91	0.99	0.80	-5.02	900.00	1,466.08	1,713.35	1,711.57	1.79	958.426		
400.00	399.45	335.49	335.48	1.36	1.11	-5.08	901.07	1,466.36	1,705.56	1,703.09	2.47	690.824		
500.00	498.70	436.28	436.26	1.76	1.47	-5.18	902.59	1,466.61	1,694.41	1,691.21	3.20	529.476		
600.00	597.47	528.56	528.51	2.18	1.81	-5.30	904.54	1,466.72	1,680.04	1,676.13	3.90	430.416		
700.00	695.62	622.47	622.33	2.63	2.14	-5.53	908.58	1,466.03	1,662.66	1,658.04	4.62	360.065		
800.00	793.06	720.37	720.06	3.11	2.50	-5.84	914.09	1,464.38	1,641.80	1,636.45	5.35	306.631		
900.00	889.64	805.40	804.79	3.64	2.81	-6.23	920.91	1,462.16	1,618.09	1,612.03	6.05	267.297		
1,000.00	985.27	891.54	890.43	4.22	3.13	-6.73	929.70	1,459.33	1,591.70	1,584.93	6.77	235.084		
1,100.00	1,079.82	973.00	971.20	4.84	3.45	-7.31	939.79	1,456.12	1,562.74	1,555.25	7.49	208.752		
1,200.00	1,173.17	1,029.37	1,026.93	5.52	3.67	-7.80	947.99	1,454.18	1,532.18	1,524.06	8.12	188.668		
1,300.00	1,265.21	1,091.60	1,088.29	6.26	3.93	-8.39	958.31	1,453.07	1,500.81	1,492.02	8.79	170.655		
1,400.00	1,355.84	1,171.39	1,166.73	7.06	4.26	-9.23	972.85	1,451.93	1,467.67	1,458.12	9.56	153.570		
1,500.00	1,444.94	1,256.00	1,249.59	7.92	4.63	-10.26	989.83	1,449.64	1,431.72	1,421.36	10.37	138.083		
1,600.00	1,532.39	1,333.58	1,325.13	8.84	4.99	-11.41	1,007.23	1,446.72	1,393.59	1,382.41	11.19	124.590		
1,700.00	1,618.11	1,404.08	1,393.30	9.83	5.33	-12.64	1,024.98	1,443.86	1,354.15	1,342.15	12.01	112.762		
1,800.00	1,701.97	1,465.42	1,452.07	10.89	5.65	-13.91	1,042.26	1,440.74	1,313.42	1,300.59	12.83	102.377		
1,900.00	1,783.88	1,525.00	1,508.24	12.02	5.97	-15.37	1,061.81	1,437.45	1,272.71	1,259.02	13.69	92.953		
1,991.28	1,856.86	1,571.26	1,551.35	13.11	6.24	-16.67	1,078.39	1,434.80	1,235.41	1,220.93	14.48	85.300		
2,000.00	1,863.75	1,577.23	1,556.90	13.21	6.28	-16.82	1,080.57	1,434.45	1,231.84	1,217.26	14.57	84.526		
2,100.00	1,942.74	1,681.65	1,653.54	14.45	6.92	-19.53	1,119.25	1,426.36	1,191.05	1,175.18	15.86	75.075		
2,200.00	2,021.72	1,753.94	1,719.74	15.69	7.40	-21.63	1,147.17	1,418.43	1,151.42	1,134.37	17.05	67.543		
2,300.00	2,100.71	1,833.76	1,792.17	16.95	7.95	-24.15	1,179.16	1,408.32	1,114.21	1,095.82	18.39	60.591		
2,400.00	2,179.70	1,904.64	1,856.34	18.21	8.46	-26.51	1,207.71	1,398.81	1,079.49	1,059.74	19.75	54.652		
2,500.00	2,258.69	1,961.00	1,907.01	19.47	8.87	-28.47	1,231.14	1,391.00	1,048.57	1,027.52	21.06	49.800		
2,600.00	2,337.68	2,024.58	1,963.71	20.74	9.35	-30.78	1,258.52	1,382.24	1,022.10	999.60	22.51	45.415		
2,700.00	2,416.66	2,088.00	2,019.87	22.02	9.85	-33.14	1,286.77	1,373.86	1,000.55	976.54	24.01	41.670		
2,800.00	2,495.65	2,158.50	2,082.25	23.29	10.41	-35.80	1,318.42	1,365.03	983.47	957.82	25.65	38.336		
2,900.00	2,574.64	2,228.78	2,144.46	24.57	10.97	-38.48	1,350.10	1,356.99	970.93	943.60	27.33	35.530		
3,000.00	2,653.63	2,300.04	2,207.57	25.85	11.54	-41.18	1,382.39	1,349.64	963.00	933.96	29.04	33.166		
3,100.00	2,732.62	2,374.71	2,273.63	27.14	12.15	-44.01	1,416.44	1,342.47	959.64	928.83	30.81	31.145		
3,129.01	2,755.53	2,397.22	2,293.54	27.51	12.33	-44.87	1,426.72	1,340.29	959.46	928.12	31.34	30.611 CC		
3,200.00	2,811.61	2,453.44	2,343.24	28.42	12.80	-47.02	1,452.38	1,334.72	960.51	927.84	32.67	29.402 ES		
3,300.00	2,890.59	2,534.22	2,414.72	29.71	13.46	-50.12	1,489.01	1,326.03	965.35	930.77	34.57	27.921		
3,400.00	2,969.58	2,609.57	2,481.39	31.00	14.09	-52.99	1,523.10	1,317.67	974.35	937.97	36.38	26.781		
3,500.00	3,048.57	2,684.56	2,547.76	32.29	14.71	-55.79	1,557.14	1,309.95	987.60	949.43	38.16	25.878		
3,600.00	3,127.56	2,747.86	2,603.70	33.58	15.24	-58.07	1,586.23	1,304.37	1,005.11	965.41	39.69	25.321		
3,700.00	3,206.55	2,810.00	2,657.92	34.87	15.77	-60.24	1,616.14	1,299.20	1,027.88	986.71	41.16	24.970		
3,800.00	3,285.53	2,875.24	2,714.42	36.16	16.34	-62.46	1,648.30	1,293.73	1,054.98	1,012.32	42.67	24.725		
3,900.00	3,364.52	2,951.61	2,780.55	37.45	17.02	-64.99	1,685.89	1,286.93	1,085.25	1,040.86	44.39	24.448		
4,000.00	3,443.51	3,037.16	2,854.72	38.74	17.77	-67.74	1,727.71	1,278.66	1,118.30	1,072.00	46.29	24.156		
4,100.00	3,522.50	3,121.19	2,928.14	40.04	18.51	-70.32	1,767.84	1,270.91	1,152.87	1,104.72	48.15	23.944		
4,200.00	3,601.49	3,188.00	2,986.21	41.33	19.10	-72.29	1,800.29	1,264.69	1,190.54	1,140.93	49.61	23.997		
4,300.00	3,680.47	3,251.51	3,041.16	42.63	19.67	-74.10	1,831.44	1,258.16	1,231.12	1,180.14	50.98	24.149		
4,400.00	3,759.46	3,322.99	3,103.04	43.92	20.32	-76.10	1,866.22	1,249.74	1,274.05	1,221.55	52.50	24.266		
4,500.00	3,838.45	3,414.62	3,182.49	45.22	21.14	-78.56	1,910.46	1,238.41	1,318.92	1,264.46	54.46	24.219		
4,600.00	3,917.44	3,500.70	3,258.27	46.51	21.90	-80.82	1,949.73	1,227.29	1,363.74	1,307.48	56.26	24.241		
4,700.00	3,996.43	3,548.55	3,300.10	47.81	22.32	-82.01	1,972.06	1,220.88	1,411.28	1,354.09	57.19	24.679		
4,800.00	4,075.42	3,638.03	3,377.80	49.10	23.12	-84.11	2,014.84	1,209.11	1,461.03	1,402.00	59.04	24.748		
4,900.00	4,154.40	3,715.14	3,445.02	50.40	23.81	-85.79	2,051.59	1,200.27	1,511.06	1,450.46	60.60	24.935		
5,000.00	4,233.39	3,784.78	3,505.21	51.70	24.44	-87.17	2,085.91	1,193.37	1,562.50	1,500.50	61.99	25.204		

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-20-01
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-20-01	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	4,312.38	3,849.00	3,560.51	52.99	25.03	-88.37	2,117.97	1,187.18	1,615.18	1,551.92	63.26	25.532		
5,200.00	4,391.37	3,915.42	3,617.60	54.29	25.65	-89.56	2,151.20	1,180.26	1,669.20	1,604.63	64.57	25.853		
5,300.00	4,470.36	3,978.11	3,671.44	55.59	26.23	-90.66	2,182.43	1,172.79	1,724.66	1,658.89	65.77	26.223		
5,400.00	4,549.34	4,044.08	3,728.08	56.89	26.84	-91.79	2,215.16	1,164.23	1,781.32	1,714.29	67.04	26.572		
5,500.00	4,628.33	4,133.04	3,804.79	58.18	27.67	-93.27	2,258.57	1,152.19	1,838.53	1,769.71	68.82	26.714		
5,600.00	4,707.32	4,229.62	3,888.64	59.48	28.55	-94.79	2,304.75	1,139.39	1,895.66	1,824.90	70.76	26.791		
5,700.00	4,786.31	4,325.11	3,971.78	60.78	29.41	-96.18	2,350.31	1,127.97	1,952.56	1,879.90	72.66	26.874		
5,800.00	4,865.30	4,421.03	4,055.14	62.08	30.28	-97.44	2,396.78	1,118.43	2,009.21	1,934.64	74.57	26.944		
5,900.00	4,944.28	4,509.93	4,132.26	63.38	31.08	-98.49	2,440.37	1,110.94	2,065.71	1,989.38	76.34	27.060		
6,000.00	5,023.27	4,584.00	4,196.44	64.68	31.75	-99.31	2,476.87	1,105.07	2,122.43	2,044.65	77.78	27.287		
6,100.00	5,102.26	4,644.64	4,248.93	65.97	32.30	-99.96	2,506.81	1,100.03	2,179.80	2,100.88	78.93	27.619		
6,200.00	5,181.25	4,698.00	4,295.13	67.27	32.79	-100.53	2,533.01	1,094.84	2,238.25	2,158.35	79.90	28.013		
6,300.00	5,260.24	4,772.20	4,359.40	68.57	33.47	-101.31	2,569.22	1,086.93	2,297.44	2,216.12	81.32	28.251		
6,400.00	5,339.23	4,837.37	4,415.90	69.87	34.06	-101.98	2,600.89	1,079.66	2,357.15	2,274.61	82.54	28.558		
6,500.00	5,418.21	4,902.34	4,472.19	71.17	34.66	-102.62	2,632.40	1,071.95	2,417.55	2,333.80	83.75	28.867		
6,600.00	5,497.20	4,978.42	4,538.15	72.47	35.36	-103.35	2,669.16	1,062.68	2,478.34	2,393.15	85.19	29.090		
6,700.00	5,576.19	5,032.50	4,585.04	73.77	35.85	-103.86	2,695.21	1,055.81	2,539.68	2,453.53	86.15	29.479		
6,800.00	5,655.18	5,088.41	4,633.44	75.07	36.37	-104.37	2,722.13	1,048.14	2,601.90	2,514.76	87.14	29.858		
6,900.00	5,734.17	5,160.62	4,696.10	76.37	37.03	-105.03	2,756.45	1,037.65	2,664.61	2,576.12	88.48	30.114		
7,000.00	5,813.15	10,052.27	7,019.30	77.67	73.34	-87.31	4,051.45	3,310.15	2,714.59	2,594.68	119.91	22.639		
7,100.00	5,892.14	10,148.90	7,018.37	78.97	75.42	-85.40	4,049.72	3,406.75	2,653.22	2,529.44	123.78	21.435		
7,200.00	5,971.13	10,203.60	7,017.87	80.27	76.63	-84.29	4,048.18	3,461.42	2,592.82	2,465.30	127.52	20.332		
7,300.00	6,050.12	10,226.78	7,017.68	81.57	77.14	-83.82	4,047.78	3,484.60	2,534.34	2,403.11	131.23	19.312		
7,400.00	6,129.11	10,268.00	7,017.37	82.86	78.07	-82.95	4,047.78	3,525.82	2,478.15	2,343.08	135.07	18.347		
7,500.00	6,208.09	10,281.78	7,017.27	84.16	78.38	-82.66	4,047.95	3,539.60	2,423.94	2,285.05	138.88	17.453		
7,600.00	6,287.08	10,334.76	7,016.73	85.46	79.60	-81.51	4,048.65	3,592.57	2,371.82	2,228.93	142.88	16.600		
7,700.00	6,366.07	10,444.53	7,015.25	86.76	82.14	-79.08	4,049.26	3,702.33	2,321.29	2,174.23	147.07	15.784		
7,800.00	6,445.06	10,504.91	7,014.52	88.06	83.56	-77.72	4,048.40	3,762.69	2,271.57	2,120.48	151.09	15.035		
7,900.00	6,524.05	10,552.00	7,014.02	89.36	84.67	-76.64	4,047.76	3,809.78	2,224.00	2,068.91	155.09	14.340		
8,000.00	6,603.03	10,601.97	7,013.55	90.66	85.85	-75.47	4,047.17	3,859.74	2,178.78	2,019.72	159.06	13.697		
8,100.00	6,682.02	10,649.32	7,013.19	91.96	86.98	-74.36	4,046.77	3,907.09	2,136.12	1,973.13	162.99	13.106		
8,133.44	6,708.44	10,668.46	7,013.05	92.40	87.44	-73.90	4,046.63	3,926.22	2,122.42	1,958.13	164.29	12.918		
8,150.00	6,721.39	10,678.12	7,012.97	92.62	87.67	-75.47	4,046.56	3,935.89	2,115.81	1,950.87	164.94	12.828		
8,200.00	6,758.90	10,709.75	7,012.70	93.34	88.43	-79.53	4,046.30	3,967.52	2,097.01	1,930.04	166.98	12.559		
8,250.00	6,793.76	10,740.00	7,012.41	94.13	89.16	-82.86	4,046.04	3,997.76	2,080.01	1,910.90	169.12	12.299		
8,300.00	6,825.72	10,774.63	7,012.07	95.00	90.00	-85.48	4,045.78	4,032.39	2,064.90	1,893.54	171.36	12.050		
8,350.00	6,854.52	10,807.88	7,011.76	95.93	90.81	-87.63	4,045.63	4,065.63	2,051.74	1,878.05	173.70	11.812		
8,400.00	6,879.97	10,844.84	7,011.44	96.92	91.71	-89.29	4,045.57	4,102.60	2,040.55	1,864.44	176.10	11.587		
8,450.00	6,901.84	10,888.21	7,011.05	97.95	92.77	-90.53	4,045.54	4,145.97	2,031.21	1,852.64	178.56	11.375		
8,500.00	6,920.00	10,934.39	7,010.62	99.02	93.90	-91.44	4,045.54	4,192.14	2,023.66	1,842.60	181.06	11.177		
8,550.00	6,934.28	10,989.46	7,010.14	100.12	95.26	-92.05	4,045.41	4,247.21	2,017.75	1,834.17	183.58	10.991		
8,600.00	6,944.59	11,044.12	7,009.74	101.22	96.61	-92.49	4,045.08	4,301.86	2,013.36	1,827.26	186.10	10.819		
8,650.00	6,950.84	11,097.01	7,009.34	102.33	97.92	-92.77	4,044.66	4,354.76	2,010.53	1,821.93	188.60	10.660		
8,701.16	6,953.00	11,142.60	7,008.98	103.44	99.05	-92.88	4,044.27	4,400.34	2,009.33	1,818.18	191.15	10.512		
8,743.92	6,953.00	11,176.41	7,008.71	104.37	99.89	-92.87	4,044.14	4,434.15	2,009.24	1,815.97	193.26	10.396		
8,800.00	6,953.00	11,211.00	7,008.43	105.59	100.75	-92.87	4,044.16	4,468.74	2,009.43	1,813.38	196.05	10.250		
8,900.00	6,953.00	11,290.24	7,007.70	107.79	102.74	-92.84	4,045.04	4,547.97	2,010.77	1,809.77	201.00	10.004		
9,000.00	6,953.00	11,401.13	7,006.57	110.02	105.54	-92.81	4,047.13	4,658.84	2,012.83	1,806.86	205.97	9.772		
9,100.00	6,953.00	11,544.61	7,004.78	112.26	109.17	-92.76	4,047.33	4,802.30	2,013.04	1,802.12	210.92	9.544		
9,200.00	6,953.00	11,646.36	7,003.50	114.52	111.76	-92.72	4,046.37	4,904.04	2,012.25	1,796.31	215.94	9.319		
9,300.00	6,953.00	11,736.38	7,002.62	116.80	114.05	-92.70	4,045.81	4,994.05	2,011.79	1,790.79	221.00	9.103		
9,400.00	6,953.00	11,858.13	7,001.63	119.10	117.16	-92.67	4,045.09	5,115.80	2,011.45	1,785.44	226.00	8.900		

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-20-01
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-20-01	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		
9,500.00	6,953.00	12,006.57	7,000.32	121.42	120.96	-92.64	4,041.05	5,264.16	2,008.86	1,777.98	230.88	8.701		
9,600.00	6,953.00	12,138.24	6,998.88	123.75	124.33	-92.60	4,034.94	5,395.69	2,004.38	1,768.60	235.78	8.501		
9,700.00	6,953.00	12,234.51	6,998.31	126.10	126.80	-92.59	4,029.65	5,491.81	1,999.08	1,758.18	240.90	8.298		
9,800.00	6,953.00	12,309.82	6,998.26	128.46	128.74	-92.60	4,026.06	5,567.03	1,994.54	1,748.38	246.17	8.102		
9,900.00	6,953.00	12,379.62	6,998.23	130.84	130.55	-92.60	4,023.72	5,636.79	1,991.42	1,739.97	251.45	7.920		
10,000.00	6,953.00	12,450.60	6,998.24	133.23	132.39	-92.60	4,022.50	5,707.77	1,989.88	1,733.19	256.69	7.752		
10,100.00	6,953.00	12,548.22	6,997.77	135.63	134.93	-92.59	4,021.51	5,805.38	1,989.06	1,727.20	261.86	7.596		
10,200.00	6,953.00	12,645.48	6,996.89	138.04	137.46	-92.56	4,020.65	5,902.63	1,988.35	1,721.31	267.03	7.446		
10,300.00	6,953.00	12,742.62	6,995.96	140.46	140.00	-92.54	4,020.02	5,999.77	1,987.86	1,715.64	272.23	7.302		
10,400.00	6,953.00	12,843.87	6,995.02	142.90	142.65	-92.51	4,019.11	6,101.00	1,987.13	1,709.72	277.41	7.163		
10,443.95	6,953.00	12,876.93	6,994.67	143.97	143.51	-92.50	4,018.97	6,134.06	1,987.01	1,707.29	279.73	7.103		
10,500.00	6,953.00	12,913.00	6,994.27	145.34	144.46	-92.49	4,019.02	6,170.13	1,987.22	1,704.55	282.67	7.030		
10,600.00	6,953.00	12,996.33	6,993.34	147.80	146.65	-92.46	4,019.91	6,253.45	1,988.48	1,700.60	287.89	6.907		
10,700.00	6,953.00	13,091.11	6,992.48	150.26	149.14	-92.43	4,021.69	6,348.21	1,990.53	1,697.43	293.10	6.791		
10,800.00	6,953.00	13,200.80	6,991.54	152.73	152.03	-92.40	4,023.57	6,457.87	1,992.42	1,694.10	298.32	6.679		
10,900.00	6,953.00	13,303.67	6,990.59	155.21	154.74	-92.37	4,024.98	6,560.73	1,993.96	1,690.40	303.56	6.569		
11,000.00	6,953.00	13,397.71	6,989.73	157.70	157.22	-92.35	4,026.30	6,654.76	1,995.54	1,686.74	308.80	6.462		
11,100.00	6,953.00	13,480.00	6,988.88	160.20	159.39	-92.32	4,028.00	6,737.03	1,997.77	1,683.75	314.02	6.362		
11,200.00	6,953.00	13,569.17	6,987.99	162.70	161.75	-92.29	4,030.48	6,826.16	2,000.72	1,681.47	319.25	6.267		
11,300.00	6,953.00	13,749.41	6,986.23	165.21	166.51	-92.24	4,032.05	7,006.37	2,001.63	1,677.15	324.48	6.169		
11,397.71	6,953.00	13,830.97	6,985.51	167.67	168.67	-92.22	4,031.42	7,087.92	2,001.08	1,671.41	329.67	6.070		
11,400.00	6,953.00	13,832.71	6,985.49	167.73	168.72	-92.22	4,031.41	7,089.66	2,001.08	1,671.29	329.79	6.068		
11,500.00	6,953.00	13,936.43	6,984.53	170.25	171.46	-92.19	4,031.40	7,193.38	2,001.25	1,666.19	335.06	5.973		
11,600.00	6,953.00	14,050.74	6,983.39	172.78	174.49	-92.16	4,030.63	7,307.68	2,000.75	1,660.45	340.30	5.879		
11,700.00	6,953.00	14,206.86	6,981.61	175.31	178.63	-92.11	4,026.30	7,463.72	1,997.96	1,652.69	345.27	5.787		
11,800.00	6,953.00	14,293.85	6,980.35	177.85	180.93	-92.08	4,023.03	7,550.64	1,994.40	1,643.74	350.66	5.688		
11,900.00	6,953.00	14,390.09	6,979.15	180.40	183.48	-92.05	4,020.31	7,646.84	1,991.72	1,635.74	355.99	5.595		
12,000.00	6,953.00	14,492.78	6,977.77	182.95	186.21	-92.01	4,017.03	7,749.47	1,988.69	1,627.42	361.27	5.505		
12,100.00	6,953.00	14,573.96	6,976.77	185.50	188.37	-91.98	4,014.74	7,830.61	1,986.07	1,619.37	366.70	5.416		
12,182.47	6,953.00	14,616.00	6,976.48	187.61	189.48	-91.98	4,013.96	7,872.64	1,984.95	1,613.71	371.24	5.347		
12,200.00	6,953.00	14,616.00	6,976.48	188.06	189.48	-91.98	4,013.96	7,872.64	1,985.03	1,612.83	372.20	5.333		
12,300.00	6,953.00	14,658.05	6,976.28	190.63	190.60	-91.97	4,014.39	7,914.68	1,986.91	1,609.51	377.39	5.265		
12,400.00	6,953.00	14,711.00	6,976.04	193.20	192.01	-91.96	4,018.01	7,967.50	1,992.97	1,610.59	382.38	5.212		
12,500.00	6,953.00	14,837.55	6,974.81	195.77	195.37	-91.92	4,026.73	8,093.72	2,000.45	1,612.58	387.87	5.157		
12,600.00	6,953.00	14,969.69	6,973.04	198.35	198.90	-91.86	4,031.76	8,225.75	2,004.41	1,611.06	393.35	5.096		
12,700.00	6,953.00	15,068.24	6,971.62	200.93	201.53	-91.82	4,034.66	8,324.25	2,007.52	1,608.85	398.67	5.036		
12,800.00	6,953.00	15,237.53	6,969.84	203.51	206.05	-91.76	4,037.12	8,493.50	2,009.20	1,605.15	404.04	4.973		
12,812.75	6,953.00	15,247.00	6,969.75	203.84	206.30	-91.76	4,037.09	8,502.97	2,009.18	1,604.45	404.73	4.964		
12,900.00	6,953.00	15,247.00	6,969.75	206.10	206.30	-91.76	4,037.09	8,502.97	2,011.07	1,601.85	409.22	4.914		
13,000.00	6,953.00	15,247.00	6,969.75	208.69	206.30	-91.76	4,037.09	8,502.97	2,017.89	1,604.43	413.45	4.881		
13,100.00	6,953.00	15,247.00	6,969.75	211.29	206.30	-91.76	4,037.09	8,502.97	2,029.61	1,612.91	416.70	4.871 SF		
13,200.00	6,953.00	15,247.00	6,969.75	213.88	206.30	-91.76	4,037.09	8,502.97	2,046.16	1,627.18	418.98	4.884		
13,300.00	6,953.00	15,247.00	6,969.75	216.48	206.30	-91.76	4,037.09	8,502.97	2,067.42	1,647.11	420.31	4.919		
13,400.00	6,953.00	15,247.00	6,969.75	219.09	206.30	-91.76	4,037.09	8,502.97	2,093.24	1,672.50	420.74	4.975		
13,500.00	6,953.00	15,247.00	6,969.75	221.69	206.30	-91.76	4,037.09	8,502.97	2,123.47	1,703.12	420.34	5.052		
13,600.00	6,953.00	15,247.00	6,969.75	224.30	206.30	-91.76	4,037.09	8,502.97	2,157.91	1,738.73	419.18	5.148		
13,700.00	6,953.00	15,247.00	6,969.75	226.92	206.30	-91.76	4,037.09	8,502.97	2,196.36	1,779.03	417.33	5.263		
13,800.00	6,953.00	15,247.00	6,969.75	229.53	206.30	-91.76	4,037.09	8,502.97	2,238.63	1,823.75	414.88	5.396		
13,900.00	6,953.00	15,247.00	6,969.75	232.15	206.30	-91.76	4,037.09	8,502.97	2,284.49	1,872.58	411.91	5.546		
14,000.00	6,953.00	15,247.00	6,969.75	234.77	206.30	-91.76	4,037.09	8,502.97	2,333.74	1,925.24	408.50	5.713		
14,100.00	6,953.00	15,247.00	6,969.75	237.39	206.30	-91.76	4,037.09	8,502.97	2,386.17	1,981.44	404.73	5.896		
14,200.00	6,953.00	15,247.00	6,969.75	240.01	206.30	-91.76	4,037.09	8,502.97	2,441.57	2,040.90	400.67	6.094		

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-20-01
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-20-01	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		
14,300.00	6,953.00	15,247.00	6,969.75	242.64	206.30	-91.76	4,037.09	8,502.97	2,499.74	2,103.36	396.38	6.306		
14,400.00	6,953.00	15,247.00	6,969.75	245.27	206.30	-91.76	4,037.09	8,502.97	2,560.50	2,168.58	391.92	6.533		
14,500.00	6,953.00	15,247.00	6,969.75	247.90	206.30	-91.76	4,037.09	8,502.97	2,623.66	2,236.32	387.34	6.773		
14,600.00	6,953.00	15,247.00	6,969.75	250.53	206.30	-91.76	4,037.09	8,502.97	2,689.06	2,306.37	382.69	7.027		
14,700.00	6,953.00	15,247.00	6,969.75	253.16	206.30	-91.76	4,037.09	8,502.97	2,756.54	2,378.54	378.00	7.292		
14,800.00	6,953.00	15,247.00	6,969.75	255.80	206.30	-91.76	4,037.09	8,502.97	2,825.94	2,452.64	373.30	7.570		
14,900.00	6,953.00	15,247.00	6,969.75	258.43	206.30	-91.76	4,037.09	8,502.97	2,897.14	2,528.51	368.63	7.859		
15,000.00	6,953.00	15,247.00	6,969.75	261.07	206.30	-91.76	4,037.09	8,502.97	2,969.99	2,605.99	364.00	8.159		
15,100.00	6,953.00	15,247.00	6,969.75	263.71	206.30	-91.76	4,037.09	8,502.97	3,044.39	2,684.96	359.43	8.470		
15,200.00	6,953.00	15,247.00	6,969.75	266.36	206.30	-91.76	4,037.09	8,502.97	3,120.22	2,765.27	354.94	8.791		
15,300.00	6,953.00	15,247.00	6,969.75	269.00	206.30	-91.76	4,037.09	8,502.97	3,197.37	2,846.84	350.54	9.121		
15,400.00	6,953.00	15,247.00	6,969.75	271.65	206.30	-91.76	4,037.09	8,502.97	3,275.77	2,929.54	346.23	9.461		
15,500.00	6,953.00	15,247.00	6,969.75	274.29	206.30	-91.76	4,037.09	8,502.97	3,355.31	3,013.29	342.02	9.810		
15,600.00	6,953.00	15,247.00	6,969.75	276.94	206.30	-91.76	4,037.09	8,502.97	3,435.92	3,097.99	337.93	10.168		
15,700.00	6,953.00	15,247.00	6,969.75	279.59	206.30	-91.76	4,037.09	8,502.97	3,517.53	3,183.59	333.94	10.534		
15,800.00	6,953.00	15,247.00	6,969.75	282.24	206.30	-91.76	4,037.09	8,502.97	3,600.06	3,270.00	330.06	10.907		
15,900.00	6,953.00	15,247.00	6,969.75	284.90	206.30	-91.76	4,037.09	8,502.97	3,683.46	3,357.17	326.30	11.289		
16,000.00	6,953.00	15,247.00	6,969.75	287.55	206.30	-91.76	4,037.09	8,502.97	3,767.67	3,445.03	322.64	11.677		
16,100.00	6,953.00	15,247.00	6,969.75	290.20	206.30	-91.76	4,037.09	8,502.97	3,852.63	3,533.53	319.10	12.073		
16,200.00	6,953.00	15,247.00	6,969.75	292.86	206.30	-91.76	4,037.09	8,502.97	3,938.30	3,622.63	315.67	12.476		
16,300.00	6,953.00	15,247.00	6,969.75	295.52	206.30	-91.76	4,037.09	8,502.97	4,024.64	3,712.29	312.35	12.885		
16,400.00	6,953.00	15,247.00	6,969.75	298.18	206.30	-91.76	4,037.09	8,502.97	4,111.59	3,802.46	309.13	13.301		
16,500.00	6,953.00	15,247.00	6,969.75	300.84	206.30	-91.76	4,037.09	8,502.97	4,199.12	3,893.11	306.01	13.722		
16,600.00	6,953.00	15,247.00	6,969.75	303.50	206.30	-91.76	4,037.09	8,502.97	4,287.20	3,984.20	303.00	14.149		
16,700.00	6,953.00	15,247.00	6,969.75	306.16	206.30	-91.76	4,037.09	8,502.97	4,375.78	4,075.71	300.08	14.582		
16,800.00	6,953.00	15,247.00	6,969.75	308.82	206.30	-91.76	4,037.09	8,502.97	4,464.86	4,167.60	297.25	15.020		
16,900.00	6,953.00	15,247.00	6,969.75	311.49	206.30	-91.76	4,037.09	8,502.97	4,554.38	4,259.86	294.52	15.464		
17,000.00	6,953.00	15,247.00	6,969.75	314.15	206.30	-91.76	4,037.09	8,502.97	4,644.33	4,352.46	291.87	15.912		
17,100.00	6,953.00	15,247.00	6,969.75	316.82	206.30	-91.76	4,037.09	8,502.97	4,734.69	4,445.38	289.31	16.365		
17,200.00	6,953.00	15,247.00	6,969.75	319.48	206.30	-91.76	4,037.09	8,502.97	4,825.43	4,538.59	286.84	16.823		
17,300.00	6,953.00	15,247.00	6,969.75	322.15	206.30	-91.76	4,037.09	8,502.97	4,916.52	4,632.08	284.44	17.285		
17,400.00	6,953.00	15,247.00	6,969.75	324.82	206.30	-91.76	4,037.09	8,502.97	5,007.96	4,725.84	282.11	17.751		
17,500.00	6,953.00	15,247.00	6,969.75	327.49	206.30	-91.76	4,037.09	8,502.97	5,099.71	4,819.85	279.87	18.222		
17,600.00	6,953.00	15,247.00	6,969.75	330.16	206.30	-91.76	4,037.09	8,502.97	5,191.78	4,914.09	277.69	18.696		
17,700.00	6,953.00	15,247.00	6,969.75	332.83	206.30	-91.76	4,037.09	8,502.97	5,284.13	5,008.55	275.58	19.175		
17,800.00	6,953.00	15,247.00	6,969.75	335.50	206.30	-91.76	4,037.09	8,502.97	5,376.75	5,103.22	273.53	19.657		
17,900.00	6,953.00	15,247.00	6,969.75	338.17	206.30	-91.76	4,037.09	8,502.97	5,469.63	5,198.08	271.55	20.142		
18,000.00	6,953.00	15,247.00	6,969.75	340.85	206.30	-91.76	4,037.09	8,502.97	5,562.76	5,293.13	269.63	20.631		
18,100.00	6,953.00	15,247.00	6,969.75	343.52	206.30	-91.76	4,037.09	8,502.97	5,656.13	5,388.36	267.77	21.123		
18,200.00	6,953.00	15,247.00	6,969.75	346.19	206.30	-91.76	4,037.09	8,502.97	5,749.72	5,483.75	265.97	21.618		
18,300.00	6,953.00	15,247.00	6,969.75	348.87	206.30	-91.76	4,037.09	8,502.97	5,843.52	5,579.30	264.21	22.117		
18,400.00	6,953.00	15,247.00	6,969.75	351.55	206.30	-91.76	4,037.09	8,502.97	5,937.52	5,675.00	262.52	22.618		
18,500.00	6,953.00	15,247.00	6,969.75	354.22	206.30	-91.76	4,037.09	8,502.97	6,031.71	5,770.85	260.87	23.122		
18,600.00	6,953.00	15,247.00	6,969.75	356.90	206.30	-91.76	4,037.09	8,502.97	6,126.09	5,866.83	259.27	23.629		
18,700.00	6,953.00	15,247.00	6,969.75	359.58	206.30	-91.76	4,037.09	8,502.97	6,220.65	5,962.94	257.71	24.138		
18,800.00	6,953.00	15,247.00	6,969.75	362.26	206.30	-91.76	4,037.09	8,502.97	6,315.37	6,059.17	256.20	24.650		
18,900.00	6,953.00	15,247.00	6,969.75	364.94	206.30	-91.76	4,037.09	8,502.97	6,410.26	6,155.52	254.74	25.164		
19,000.00	6,953.00	15,247.00	6,969.75	367.62	206.30	-91.76	4,037.09	8,502.97	6,505.29	6,251.98	253.31	25.681		
19,073.74	6,953.00	15,247.00	6,969.75	369.59	206.30	-91.76	4,037.09	8,502.97	6,575.47	6,323.18	252.29	26.063		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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	58.46	58.46	0.27	0.13	58.89	884.58	1,465.83	1,712.07	1,711.67	0.40	4,322.344		
200.00	199.98	161.15	161.15	0.63	0.50	-4.58	884.99	1,465.06	1,709.88	1,708.76	1.12	1,524.705		
300.00	299.84	251.17	251.16	0.99	0.82	-4.64	885.93	1,464.53	1,704.69	1,702.89	1.81	944.030		
400.00	399.45	359.66	359.64	1.36	1.20	-4.73	887.22	1,463.82	1,696.07	1,693.51	2.56	661.877		
500.00	498.70	466.52	466.47	1.76	1.59	-4.86	888.69	1,462.12	1,683.27	1,679.96	3.32	507.728		
600.00	597.47	559.77	559.72	2.18	1.92	-4.95	888.80	1,461.33	1,667.04	1,663.02	4.02	414.779		
700.00	695.62	645.76	645.71	2.63	2.22	-5.06	889.35	1,460.86	1,647.92	1,643.21	4.70	350.569		
800.00	793.06	725.73	725.64	3.11	2.51	-5.25	891.72	1,460.14	1,626.27	1,620.91	5.37	303.080		
900.00	889.64	803.86	803.65	3.64	2.79	-5.50	895.88	1,459.42	1,602.46	1,596.43	6.03	265.691		
1,000.00	985.27	888.05	887.52	4.22	3.10	-5.91	903.04	1,457.83	1,576.17	1,569.44	6.73	234.201		
1,100.00	1,079.82	973.00	971.86	4.84	3.41	-6.45	912.90	1,455.56	1,547.56	1,540.11	7.45	207.813		
1,200.00	1,173.17	1,052.64	1,050.65	5.52	3.72	-7.09	924.15	1,452.85	1,516.51	1,508.34	8.16	185.771		
1,300.00	1,265.21	1,129.61	1,126.50	6.26	4.03	-7.84	936.77	1,449.61	1,482.99	1,474.10	8.89	166.803		
1,400.00	1,355.84	1,203.38	1,198.91	7.06	4.34	-8.68	950.51	1,446.41	1,447.58	1,437.95	9.63	150.356		
1,500.00	1,444.94	1,277.11	1,271.03	7.92	4.65	-9.64	965.54	1,443.33	1,410.38	1,399.99	10.39	135.757		
1,600.00	1,532.39	1,350.00	1,341.85	8.84	4.98	-10.77	982.38	1,439.72	1,371.37	1,360.19	11.18	122.687		
1,700.00	1,618.11	1,433.33	1,422.28	9.83	5.38	-12.25	1,003.60	1,434.72	1,330.39	1,318.33	12.06	110.323		
1,800.00	1,701.97	1,501.98	1,488.16	10.89	5.73	-13.70	1,022.32	1,430.18	1,287.67	1,274.75	12.91	99.711		
1,900.00	1,783.88	1,561.78	1,545.20	12.02	6.05	-15.16	1,039.87	1,426.26	1,244.05	1,230.27	13.77	90.324		
1,991.28	1,856.86	1,612.64	1,593.39	13.11	6.33	-16.54	1,055.84	1,423.30	1,204.01	1,189.43	14.58	82.580		
2,000.00	1,863.75	1,617.48	1,597.97	13.21	6.36	-16.66	1,057.41	1,423.04	1,200.19	1,185.53	14.66	81.858		
2,100.00	1,942.74	1,679.00	1,655.81	14.45	6.70	-18.16	1,078.14	1,420.01	1,158.13	1,142.51	15.62	74.136		
2,200.00	2,021.72	1,731.63	1,705.00	15.69	7.02	-19.51	1,096.76	1,418.03	1,119.26	1,102.67	16.58	67.493		
2,300.00	2,100.71	1,772.00	1,742.59	16.95	7.26	-20.57	1,111.43	1,417.02	1,084.02	1,066.53	17.49	61.973		
2,400.00	2,179.70	1,841.63	1,806.94	18.21	7.70	-22.46	1,138.00	1,416.43	1,052.43	1,033.76	18.67	56.363		
2,500.00	2,258.69	1,906.03	1,865.74	19.47	8.12	-24.30	1,164.28	1,416.74	1,025.28	1,005.40	19.88	51.579		
2,600.00	2,337.68	1,979.36	1,931.76	20.74	8.63	-26.58	1,196.13	1,415.48	1,001.50	980.24	21.26	47.114		
2,700.00	2,416.66	2,056.00	1,999.72	22.02	9.19	-29.20	1,231.35	1,411.67	981.18	958.39	22.79	43.058		
2,800.00	2,495.65	2,118.66	2,054.73	23.29	9.68	-31.43	1,261.12	1,407.96	965.10	940.88	24.22	39.840		
2,900.00	2,574.64	2,177.14	2,105.85	24.57	10.14	-33.51	1,289.41	1,405.50	953.97	928.35	25.62	37.228		
3,000.00	2,653.63	2,244.00	2,163.57	25.85	10.68	-35.86	1,323.14	1,404.57	948.85	921.69	27.16	34.941		
3,053.95	2,696.24	2,269.35	2,185.27	26.55	10.90	-36.75	1,336.24	1,404.48	948.18	920.37	27.81	34.089 CC		
3,100.00	2,732.62	2,309.93	2,219.98	27.14	11.24	-38.19	1,357.25	1,403.79	948.50	919.81	28.70	33.054 ES		
3,200.00	2,811.61	2,378.56	2,278.43	28.42	11.83	-40.70	1,393.13	1,401.21	952.04	921.72	30.31	31.406		
3,300.00	2,890.59	2,432.00	2,323.27	29.71	12.30	-42.69	1,422.05	1,398.37	961.01	929.36	31.65	30.363		
3,400.00	2,969.58	2,494.42	2,374.85	31.00	12.88	-45.03	1,456.98	1,394.38	975.53	942.38	33.15	29.425		
3,500.00	3,048.57	2,564.36	2,431.78	32.29	13.55	-47.66	1,497.20	1,388.84	995.33	960.52	34.81	28.590		
3,600.00	3,127.56	2,648.08	2,499.85	33.58	14.36	-50.93	1,544.68	1,377.83	1,018.67	981.87	36.81	27.674		
3,700.00	3,206.55	2,731.93	2,568.35	34.87	15.18	-54.19	1,591.22	1,364.68	1,045.37	1,006.56	38.81	26.935		
3,800.00	3,285.53	2,822.94	2,643.50	36.16	16.06	-57.58	1,640.68	1,350.94	1,074.90	1,033.94	40.96	26.242		
3,900.00	3,364.52	2,874.21	2,685.71	37.45	16.56	-59.38	1,669.00	1,344.31	1,108.21	1,066.06	42.16	26.288		
4,000.00	3,443.51	2,942.65	2,741.56	38.74	17.24	-61.62	1,707.90	1,337.14	1,145.43	1,101.70	43.73	26.193		
4,100.00	3,522.50	3,028.25	2,811.31	40.04	18.09	-64.16	1,757.16	1,331.32	1,184.90	1,139.19	45.70	25.925		
4,200.00	3,601.49	3,120.57	2,886.65	41.33	19.00	-66.63	1,810.44	1,328.26	1,225.59	1,177.77	47.83	25.625		
4,300.00	3,680.47	3,209.20	2,958.94	42.63	19.87	-68.72	1,861.70	1,328.46	1,267.02	1,217.17	49.85	25.416		
4,400.00	3,759.46	3,282.00	3,018.27	43.92	20.59	-70.37	1,903.88	1,328.37	1,310.06	1,258.56	51.50	25.436		
4,500.00	3,838.45	3,351.77	3,075.13	45.22	21.28	-71.92	1,944.29	1,327.13	1,354.92	1,301.84	53.08	25.525		
4,600.00	3,917.44	3,425.17	3,134.99	46.51	22.02	-73.50	1,986.73	1,324.90	1,401.38	1,346.63	54.74	25.598		
4,700.00	3,996.43	3,516.32	3,209.44	47.81	22.93	-75.39	2,039.21	1,321.57	1,449.08	1,392.25	56.83	25.499		
4,800.00	4,075.42	3,601.46	3,279.50	49.10	23.78	-77.04	2,087.53	1,319.45	1,496.62	1,437.86	58.76	25.471		
4,900.00	4,154.40	3,660.00	3,327.43	50.40	24.36	-78.12	2,121.09	1,317.62	1,545.87	1,485.83	60.04	25.746		
5,000.00	4,233.39	3,737.87	3,391.01	51.70	25.15	-79.51	2,165.95	1,314.64	1,596.53	1,534.74	61.79	25.838		

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-20-01
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-20-01	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 6 - 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	4,312.38	3,829.35	3,465.77	52.99	26.07	-81.04	2,218.58	1,311.53	1,647.75	1,583.89	63.86	25.804		
5,200.00	4,391.37	3,885.79	3,511.84	54.29	26.64	-81.93	2,251.13	1,309.90	1,699.62	1,634.55	65.07	26.120		
5,300.00	4,470.36	3,943.00	3,558.45	55.59	27.22	-82.86	2,284.09	1,306.11	1,753.69	1,687.40	66.29	26.455		
5,400.00	4,549.34	3,982.75	3,590.79	56.89	27.63	-83.51	2,306.89	1,302.38	1,809.55	1,742.50	67.05	26.989		
5,500.00	4,628.33	4,038.00	3,635.75	58.18	28.20	-84.42	2,338.42	1,296.24	1,866.94	1,798.76	68.18	27.383		
5,600.00	4,707.32	4,109.47	3,693.91	59.48	28.94	-85.57	2,379.01	1,287.49	1,925.41	1,855.70	69.71	27.622		
5,700.00	4,786.31	4,191.44	3,760.66	60.78	29.79	-86.83	2,425.54	1,277.51	1,984.44	1,912.95	71.49	27.757		
5,800.00	4,865.30	4,434.37	3,959.81	62.08	32.26	-89.85	2,563.52	1,262.42	2,041.33	1,964.21	77.12	26.469		
5,900.00	4,944.28	4,510.00	4,021.74	63.38	33.01	-90.57	2,606.92	1,263.00	2,094.77	2,016.00	78.77	26.592		
6,000.00	5,023.27	4,565.29	4,066.82	64.68	33.57	-91.08	2,638.93	1,263.22	2,149.07	2,069.11	79.96	26.877		
6,100.00	5,102.26	4,622.16	4,113.18	65.97	34.14	-91.61	2,671.85	1,262.44	2,204.58	2,123.41	81.17	27.160		
6,200.00	5,181.25	4,686.67	4,165.77	67.27	34.80	-92.20	2,709.18	1,260.82	2,260.99	2,178.44	82.55	27.390		
6,300.00	5,260.24	4,743.91	4,212.42	68.57	35.39	-92.72	2,742.29	1,258.78	2,318.25	2,234.51	83.75	27.682		
6,400.00	5,339.23	4,800.58	4,258.57	69.87	35.97	-93.23	2,775.05	1,255.97	2,376.53	2,291.60	84.92	27.985		
6,500.00	5,418.21	4,870.10	4,315.24	71.17	36.69	-93.86	2,815.11	1,251.87	2,435.49	2,349.09	86.40	28.189		
6,600.00	5,497.20	4,966.36	4,394.25	72.47	37.67	-94.71	2,869.72	1,245.42	2,494.61	2,406.11	88.50	28.188		
6,700.00	5,576.19	5,071.34	4,482.09	73.77	38.70	-95.68	2,926.57	1,236.94	2,553.16	2,462.41	90.75	28.133		
6,800.00	5,655.18	5,153.71	4,552.35	75.07	39.48	-96.49	2,968.70	1,228.55	2,611.48	2,519.04	92.44	28.250		
6,900.00	5,734.17	5,332.66	4,708.80	76.37	41.08	-98.32	3,052.97	1,207.71	2,668.85	2,572.76	96.09	27.774		
7,000.00	5,813.15	10,066.68	7,249.99	77.67	69.14	-95.70	3,784.79	3,226.67	2,605.53	2,496.10	109.42	23.812		
7,100.00	5,892.14	10,144.11	7,250.30	78.97	70.82	-94.16	3,786.31	3,304.09	2,539.56	2,426.45	113.11	22.453		
7,200.00	5,971.13	10,215.14	7,250.54	80.27	72.39	-92.70	3,787.10	3,375.11	2,474.19	2,357.33	116.85	21.174		
7,300.00	6,050.12	10,295.76	7,250.87	81.57	74.20	-90.99	3,787.33	3,455.72	2,409.59	2,288.91	120.69	19.966		
7,400.00	6,129.11	10,478.91	7,251.47	82.86	78.37	-86.91	3,780.78	3,638.72	2,344.30	2,219.80	124.50	18.830		
7,500.00	6,208.09	10,540.94	7,251.56	84.16	79.79	-85.46	3,776.52	3,700.60	2,278.63	2,150.29	128.34	17.754		
7,600.00	6,287.08	10,587.26	7,251.59	85.46	80.87	-84.34	3,773.29	3,746.81	2,214.21	2,081.89	132.32	16.734		
7,700.00	6,366.07	10,630.67	7,251.72	86.76	81.88	-83.27	3,770.43	3,790.13	2,151.43	2,015.02	136.41	15.772		
7,800.00	6,445.06	10,666.60	7,251.89	88.06	82.73	-82.37	3,768.25	3,825.99	2,090.51	1,949.87	140.63	14.865		
7,900.00	6,524.05	10,698.66	7,252.05	89.36	83.49	-81.55	3,766.67	3,858.01	2,031.82	1,886.85	144.97	14.015		
8,000.00	6,603.03	10,740.00	7,252.25	90.66	84.47	-80.46	3,765.17	3,899.32	1,975.60	1,826.24	149.36	13.227		
8,100.00	6,682.02	10,772.26	7,252.41	91.96	85.25	-79.60	3,764.30	3,931.57	1,921.87	1,768.02	153.85	12.492		
8,133.44	6,708.44	10,787.11	7,252.48	92.40	85.61	-79.20	3,763.94	3,946.42	1,904.46	1,749.12	155.34	12.260		
8,150.00	6,721.39	10,794.64	7,252.52	92.62	85.79	-81.01	3,763.77	3,953.94	1,896.03	1,739.94	156.09	12.147		
8,200.00	6,758.90	10,819.33	7,252.65	93.34	86.39	-85.75	3,763.26	3,978.63	1,871.96	1,713.54	158.42	11.817		
8,250.00	6,793.76	10,834.00	7,252.73	94.13	86.74	-89.84	3,763.00	3,993.30	1,850.14	1,689.22	160.91	11.498		
8,300.00	6,825.72	10,873.11	7,252.94	95.00	87.70	-92.72	3,762.47	4,032.40	1,830.56	1,667.16	163.40	11.203		
8,350.00	6,854.52	10,902.71	7,253.09	95.93	88.42	-95.22	3,762.27	4,062.00	1,813.48	1,647.46	166.02	10.923		
8,400.00	6,879.97	10,936.11	7,253.26	96.92	89.24	-97.18	3,762.25	4,095.40	1,798.89	1,630.21	168.68	10.665		
8,450.00	6,901.84	10,979.24	7,253.46	97.95	90.31	-98.60	3,762.32	4,138.53	1,786.70	1,615.37	171.34	10.428		
8,500.00	6,920.00	11,023.00	7,253.66	99.02	91.39	-99.68	3,762.43	4,182.29	1,776.83	1,602.82	174.01	10.211		
8,550.00	6,934.28	11,066.64	7,253.85	100.12	92.47	-100.48	3,762.62	4,225.92	1,769.32	1,592.64	176.67	10.015		
8,600.00	6,944.59	11,110.23	7,254.06	101.22	93.56	-101.02	3,762.94	4,269.51	1,764.20	1,584.89	179.31	9.839		
8,650.00	6,950.84	11,150.31	7,254.25	102.33	94.56	-101.31	3,763.39	4,309.59	1,761.52	1,579.62	181.90	9.684		
8,678.20	6,952.57	11,172.64	7,254.35	102.94	95.12	-101.36	3,763.75	4,331.91	1,761.12	1,577.80	183.32	9.607		
8,701.16	6,953.00	11,190.84	7,254.44	103.44	95.57	-101.35	3,764.10	4,350.12	1,761.38	1,576.92	184.46	9.549		
8,800.00	6,953.00	11,317.66	7,254.82	105.59	98.76	-101.34	3,766.07	4,476.92	1,763.23	1,574.11	189.12	9.323		
8,900.00	6,953.00	11,417.70	7,254.81	107.79	101.28	-101.34	3,766.68	4,576.95	1,764.03	1,570.03	193.99	9.093		
9,000.00	6,953.00	11,512.47	7,254.68	110.02	103.68	-101.33	3,767.26	4,671.72	1,764.81	1,565.89	198.92	8.872		
9,100.00	6,953.00	11,589.00	7,254.63	112.26	105.63	-101.32	3,768.30	4,748.25	1,766.37	1,562.44	203.94	8.661		
9,200.00	6,953.00	11,670.69	7,254.65	114.52	107.72	-101.31	3,770.38	4,829.91	1,769.11	1,560.18	208.93	8.467		
9,300.00	6,953.00	11,827.08	7,254.56	116.80	111.72	-101.28	3,773.09	4,986.27	1,771.07	1,557.39	213.67	8.289		
9,400.00	6,953.00	11,959.16	7,254.25	119.10	115.11	-101.28	3,771.78	5,118.34	1,770.23	1,551.79	218.44	8.104		

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-20-01
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-20-01	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		
9,500.00	6,953.00	12,101.29	7,253.31	121.42	118.76	-101.28	3,766.84	5,260.37	1,766.67	1,543.61	223.06	7.920		
9,600.00	6,953.00	12,180.54	7,252.91	123.75	120.80	-101.29	3,763.93	5,339.57	1,763.20	1,534.94	228.26	7.725		
9,700.00	6,953.00	12,251.00	7,252.79	126.10	122.61	-101.29	3,762.30	5,410.01	1,761.13	1,527.61	233.52	7.542		
9,786.73	6,953.00	12,317.36	7,252.77	128.15	124.33	-101.29	3,761.70	5,476.36	1,760.55	1,522.54	238.02	7.397		
9,800.00	6,953.00	12,327.08	7,252.77	128.46	124.59	-101.29	3,761.69	5,486.09	1,760.57	1,521.86	238.70	7.375		
9,900.00	6,953.00	12,415.42	7,252.83	130.84	126.88	-101.29	3,762.07	5,574.42	1,761.20	1,517.39	243.82	7.223		
10,000.00	6,953.00	12,517.08	7,253.23	133.23	129.53	-101.30	3,762.69	5,676.09	1,762.08	1,513.22	248.86	7.081		
10,100.00	6,953.00	12,600.42	7,253.82	135.63	131.71	-101.31	3,763.35	5,759.41	1,763.23	1,509.24	253.99	6.942		
10,200.00	6,953.00	12,679.22	7,254.41	138.04	133.77	-101.32	3,764.92	5,838.20	1,765.54	1,506.41	259.13	6.813		
10,300.00	6,953.00	12,770.52	7,255.06	140.46	136.16	-101.32	3,767.75	5,929.46	1,768.90	1,504.67	264.23	6.695		
10,400.00	6,953.00	12,868.55	7,255.26	142.90	138.73	-101.31	3,770.83	6,027.44	1,772.23	1,502.89	269.34	6.580		
10,500.00	6,953.00	12,988.00	7,255.57	145.34	141.87	-101.29	3,774.55	6,146.83	1,775.60	1,501.19	274.41	6.471		
10,600.00	6,953.00	13,140.90	7,256.09	147.80	145.89	-101.30	3,775.81	6,299.71	1,776.77	1,497.51	279.26	6.362		
10,700.00	6,953.00	13,336.38	7,256.10	150.26	151.01	-101.35	3,767.89	6,495.00	1,772.52	1,489.22	283.30	6.257		
10,800.00	6,953.00	13,419.11	7,255.52	152.73	153.18	-101.36	3,763.04	6,577.58	1,766.87	1,478.21	288.66	6.121		
10,900.00	6,953.00	13,480.00	7,255.16	155.21	154.78	-101.36	3,760.37	6,638.41	1,762.80	1,468.53	294.27	5.990		
11,000.00	6,953.00	13,552.47	7,254.72	157.70	156.69	-101.36	3,758.59	6,710.86	1,760.56	1,460.89	299.68	5.875		
11,069.65	6,953.00	13,600.89	7,254.38	159.44	157.97	-101.35	3,758.29	6,759.28	1,760.18	1,456.74	303.43	5.801		
11,100.00	6,953.00	13,623.42	7,254.27	160.20	158.57	-101.35	3,758.31	6,781.81	1,760.24	1,455.20	305.05	5.770		
11,200.00	6,953.00	13,703.23	7,254.25	162.70	160.68	-101.34	3,759.08	6,861.61	1,761.36	1,451.05	310.31	5.676		
11,300.00	6,953.00	13,794.78	7,254.26	165.21	163.10	-101.33	3,760.64	6,953.15	1,763.24	1,447.72	315.51	5.588		
11,400.00	6,953.00	13,893.92	7,254.18	167.73	165.73	-101.31	3,762.61	7,052.27	1,765.38	1,444.67	320.70	5.505		
11,500.00	6,953.00	13,997.76	7,253.99	170.25	168.49	-101.29	3,764.55	7,156.09	1,767.38	1,441.49	325.89	5.423		
11,600.00	6,953.00	14,100.00	7,253.93	172.78	171.20	-101.28	3,766.24	7,258.32	1,769.20	1,438.12	331.08	5.344		
11,700.00	6,953.00	14,191.80	7,254.19	175.31	173.64	-101.27	3,767.76	7,350.10	1,771.09	1,434.80	336.29	5.267		
11,800.00	6,953.00	14,404.61	7,254.74	177.85	179.29	-101.30	3,765.78	7,562.81	1,770.76	1,430.22	340.54	5.200		
11,900.00	6,953.00	14,499.57	7,254.45	180.40	181.81	-101.32	3,760.87	7,657.65	1,765.89	1,420.12	345.78	5.107		
12,000.00	6,953.00	14,560.76	7,254.49	182.95	183.44	-101.33	3,759.02	7,718.81	1,763.14	1,411.73	351.41	5.017		
12,084.41	6,953.00	14,616.00	7,254.72	185.10	184.91	-101.35	3,758.48	7,774.04	1,762.53	1,406.51	356.02	4.951		
12,100.00	6,953.00	14,616.00	7,254.72	185.50	184.91	-101.35	3,758.48	7,774.04	1,762.60	1,405.68	356.92	4.938		
12,200.00	6,953.00	14,680.72	7,255.07	188.06	186.63	-101.35	3,759.34	7,838.75	1,764.31	1,402.09	362.22	4.871		
12,300.00	6,953.00	14,749.68	7,255.41	190.63	188.47	-101.34	3,761.92	7,907.66	1,768.21	1,400.81	367.40	4.813		
12,400.00	6,953.00	14,843.18	7,256.09	193.20	190.96	-101.33	3,766.46	8,001.05	1,773.30	1,400.70	372.60	4.759		
12,500.00	6,953.00	14,959.47	7,256.94	195.77	194.06	-101.33	3,771.30	8,117.23	1,777.72	1,399.87	377.85	4.705		
12,600.00	6,953.00	15,071.13	7,257.60	198.35	197.04	-101.32	3,775.23	8,228.82	1,781.49	1,398.41	383.08	4.650		
12,700.00	6,953.00	15,190.84	7,258.52	200.93	200.24	-101.33	3,778.34	8,348.49	1,784.41	1,396.13	388.28	4.596		
12,800.00	6,953.00	15,329.41	7,259.63	203.51	203.95	-101.36	3,779.54	8,487.05	1,785.61	1,392.29	393.32	4.540		
12,900.00	6,953.00	15,347.00	7,259.78	206.10	204.42	-101.36	3,779.52	8,504.63	1,787.68	1,389.04	398.64	4.484		
13,000.00	6,953.00	15,347.00	7,259.78	208.69	204.42	-101.36	3,779.52	8,504.63	1,795.22	1,392.32	402.90	4.456		
13,100.00	6,953.00	15,347.00	7,259.78	211.29	204.42	-101.36	3,779.52	8,504.63	1,808.27	1,402.32	405.95	4.454 SF		
13,200.00	6,953.00	15,347.00	7,259.78	213.88	204.42	-101.36	3,779.52	8,504.63	1,826.70	1,418.90	407.80	4.479		
13,300.00	6,953.00	15,347.00	7,259.78	216.48	204.42	-101.36	3,779.52	8,504.63	1,850.36	1,441.83	408.53	4.529		
13,400.00	6,953.00	15,347.00	7,259.78	219.09	204.42	-101.36	3,779.52	8,504.63	1,879.06	1,470.86	408.20	4.603		
13,500.00	6,953.00	15,347.00	7,259.78	221.69	204.42	-101.36	3,779.52	8,504.63	1,912.55	1,505.65	406.90	4.700		
13,600.00	6,953.00	15,347.00	7,259.78	224.30	204.42	-101.36	3,779.52	8,504.63	1,950.61	1,545.85	404.76	4.819		
13,700.00	6,953.00	15,347.00	7,259.78	226.92	204.42	-101.36	3,779.52	8,504.63	1,992.96	1,591.08	401.88	4.959		
13,800.00	6,953.00	15,347.00	7,259.78	229.53	204.42	-101.36	3,779.52	8,504.63	2,039.33	1,640.96	398.37	5.119		
13,900.00	6,953.00	15,347.00	7,259.78	232.15	204.42	-101.36	3,779.52	8,504.63	2,089.47	1,695.11	394.36	5.298		
14,000.00	6,953.00	15,347.00	7,259.78	234.77	204.42	-101.36	3,779.52	8,504.63	2,143.10	1,753.16	389.94	5.496		
14,100.00	6,953.00	15,347.00	7,259.78	237.39	204.42	-101.36	3,779.52	8,504.63	2,199.98	1,814.77	385.21	5.711		
14,200.00	6,953.00	15,347.00	7,259.78	240.01	204.42	-101.36	3,779.52	8,504.63	2,259.85	1,879.60	380.25	5.943		
14,300.00	6,953.00	15,347.00	7,259.78	242.64	204.42	-101.36	3,779.52	8,504.63	2,322.48	1,947.35	375.13	6.191		

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-20-01
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-20-01	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 6 - 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		
14,400.00	6,953.00	15,347.00	7,259.78	245.27	204.42	-101.36	3,779.52	8,504.63	2,387.66	2,017.74	369.92	6.455		
14,500.00	6,953.00	15,347.00	7,259.78	247.90	204.42	-101.36	3,779.52	8,504.63	2,455.19	2,090.51	364.67	6.733		
14,600.00	6,953.00	15,347.00	7,259.78	250.53	204.42	-101.36	3,779.52	8,504.63	2,524.87	2,165.44	359.43	7.025		
14,700.00	6,953.00	15,347.00	7,259.78	253.16	204.42	-101.36	3,779.52	8,504.63	2,596.53	2,242.30	354.22	7.330		
14,800.00	6,953.00	15,347.00	7,259.78	255.80	204.42	-101.36	3,779.52	8,504.63	2,670.01	2,320.92	349.09	7.649		
14,900.00	6,953.00	15,347.00	7,259.78	258.43	204.42	-101.36	3,779.52	8,504.63	2,745.17	2,401.13	344.04	7.979		
15,000.00	6,953.00	15,347.00	7,259.78	261.07	204.42	-101.36	3,779.52	8,504.63	2,821.87	2,482.77	339.11	8.321		
15,100.00	6,953.00	15,347.00	7,259.78	263.71	204.42	-101.36	3,779.52	8,504.63	2,900.00	2,565.71	334.29	8.675		
15,200.00	6,953.00	15,347.00	7,259.78	266.36	204.42	-101.36	3,779.52	8,504.63	2,979.43	2,649.82	329.60	9.039		
15,300.00	6,953.00	15,347.00	7,259.78	269.00	204.42	-101.36	3,779.52	8,504.63	3,060.07	2,735.01	325.05	9.414		
15,400.00	6,953.00	15,347.00	7,259.78	271.65	204.42	-101.36	3,779.52	8,504.63	3,141.82	2,821.17	320.64	9.798		
15,500.00	6,953.00	15,347.00	7,259.78	274.29	204.42	-101.36	3,779.52	8,504.63	3,224.60	2,908.22	316.38	10.192		
15,600.00	6,953.00	15,347.00	7,259.78	276.94	204.42	-101.36	3,779.52	8,504.63	3,308.33	2,996.08	312.25	10.595		
15,700.00	6,953.00	15,347.00	7,259.78	279.59	204.42	-101.36	3,779.52	8,504.63	3,392.94	3,084.68	308.26	11.007		
15,800.00	6,953.00	15,347.00	7,259.78	282.24	204.42	-101.36	3,779.52	8,504.63	3,478.37	3,173.95	304.42	11.426		
15,900.00	6,953.00	15,347.00	7,259.78	284.90	204.42	-101.36	3,779.52	8,504.63	3,564.55	3,263.85	300.70	11.854		
16,000.00	6,953.00	15,347.00	7,259.78	287.55	204.42	-101.36	3,779.52	8,504.63	3,651.45	3,354.32	297.13	12.289		
16,100.00	6,953.00	15,347.00	7,259.78	290.20	204.42	-101.36	3,779.52	8,504.63	3,738.99	3,445.32	293.68	12.732		
16,200.00	6,953.00	15,347.00	7,259.78	292.86	204.42	-101.36	3,779.52	8,504.63	3,827.15	3,536.80	290.35	13.181		
16,300.00	6,953.00	15,347.00	7,259.78	295.52	204.42	-101.36	3,779.52	8,504.63	3,915.88	3,628.73	287.15	13.637		
16,400.00	6,953.00	15,347.00	7,259.78	298.18	204.42	-101.36	3,779.52	8,504.63	4,005.13	3,721.07	284.06	14.100		
16,500.00	6,953.00	15,347.00	7,259.78	300.84	204.42	-101.36	3,779.52	8,504.63	4,094.89	3,813.80	281.09	14.568		
16,600.00	6,953.00	15,347.00	7,259.78	303.50	204.42	-101.36	3,779.52	8,504.63	4,185.10	3,906.89	278.22	15.042		
16,700.00	6,953.00	15,347.00	7,259.78	306.16	204.42	-101.36	3,779.52	8,504.63	4,275.76	4,000.30	275.46	15.522		
16,800.00	6,953.00	15,347.00	7,259.78	308.82	204.42	-101.36	3,779.52	8,504.63	4,366.82	4,094.03	272.79	16.008		
16,900.00	6,953.00	15,347.00	7,259.78	311.49	204.42	-101.36	3,779.52	8,504.63	4,458.27	4,188.04	270.22	16.498		
17,000.00	6,953.00	15,347.00	7,259.78	314.15	204.42	-101.36	3,779.52	8,504.63	4,550.07	4,282.32	267.75	16.994		
17,100.00	6,953.00	15,347.00	7,259.78	316.82	204.42	-101.36	3,779.52	8,504.63	4,642.21	4,376.85	265.36	17.494		
17,200.00	6,953.00	15,347.00	7,259.78	319.48	204.42	-101.36	3,779.52	8,504.63	4,734.68	4,471.62	263.05	17.999		
17,300.00	6,953.00	15,347.00	7,259.78	322.15	204.42	-101.36	3,779.52	8,504.63	4,827.44	4,566.61	260.83	18.508		
17,400.00	6,953.00	15,347.00	7,259.78	324.82	204.42	-101.36	3,779.52	8,504.63	4,920.48	4,661.80	258.68	19.021		
17,500.00	6,953.00	15,347.00	7,259.78	327.49	204.42	-101.36	3,779.52	8,504.63	5,013.80	4,757.19	256.61	19.539		
17,600.00	6,953.00	15,347.00	7,259.78	330.16	204.42	-101.36	3,779.52	8,504.63	5,107.37	4,852.76	254.61	20.060		
17,700.00	6,953.00	15,347.00	7,259.78	332.83	204.42	-101.36	3,779.52	8,504.63	5,201.17	4,948.50	252.67	20.585		
17,800.00	6,953.00	15,347.00	7,259.78	335.50	204.42	-101.36	3,779.52	8,504.63	5,295.21	5,044.40	250.80	21.113		
17,900.00	6,953.00	15,347.00	7,259.78	338.17	204.42	-101.36	3,779.52	8,504.63	5,389.45	5,140.46	248.99	21.645		
18,000.00	6,953.00	15,347.00	7,259.78	340.85	204.42	-101.36	3,779.52	8,504.63	5,483.91	5,236.66	247.24	22.180		
18,100.00	6,953.00	15,347.00	7,259.78	343.52	204.42	-101.36	3,779.52	8,504.63	5,578.55	5,333.00	245.55	22.718		
18,200.00	6,953.00	15,347.00	7,259.78	346.19	204.42	-101.36	3,779.52	8,504.63	5,673.38	5,429.46	243.91	23.260		
18,300.00	6,953.00	15,347.00	7,259.78	348.87	204.42	-101.36	3,779.52	8,504.63	5,768.38	5,526.05	242.33	23.804		
18,400.00	6,953.00	15,347.00	7,259.78	351.55	204.42	-101.36	3,779.52	8,504.63	5,863.55	5,622.76	240.79	24.351		
18,500.00	6,953.00	15,347.00	7,259.78	354.22	204.42	-101.36	3,779.52	8,504.63	5,958.88	5,719.57	239.31	24.901		
18,600.00	6,953.00	15,347.00	7,259.78	356.90	204.42	-101.36	3,779.52	8,504.63	6,054.36	5,816.49	237.87	25.453		
18,700.00	6,953.00	15,347.00	7,259.78	359.58	204.42	-101.36	3,779.52	8,504.63	6,149.98	5,913.51	236.47	26.007		
18,800.00	6,953.00	15,347.00	7,259.78	362.26	204.42	-101.36	3,779.52	8,504.63	6,245.74	6,010.62	235.12	26.564		
18,900.00	6,953.00	15,347.00	7,259.78	364.94	204.42	-101.36	3,779.52	8,504.63	6,341.63	6,107.83	233.80	27.124		
19,000.00	6,953.00	15,347.00	7,259.78	367.62	204.42	-101.36	3,779.52	8,504.63	6,437.65	6,205.12	232.53	27.685		
19,073.74	6,953.00	15,347.00	7,259.78	369.59	204.42	-101.36	3,779.52	8,504.63	6,508.53	6,276.91	231.61	28.101		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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	52.01	52.01	0.27	0.10	59.31	870.01	1,465.91	1,704.64	1,704.27	0.37	4,570.248		
200.00	199.98	142.67	142.67	0.63	0.43	-4.15	870.44	1,466.12	1,703.35	1,702.30	1.05	1,615.038		
300.00	299.84	233.26	233.25	0.99	0.75	-4.18	871.40	1,466.61	1,699.13	1,697.39	1.74	975.474		
400.00	399.45	330.02	329.99	1.36	1.10	-4.25	872.96	1,467.39	1,691.95	1,689.50	2.45	689.348		
500.00	498.70	456.71	456.68	1.76	1.55	-4.33	873.97	1,467.43	1,680.17	1,676.89	3.28	512.922		
600.00	597.47	555.03	554.99	2.18	1.89	-4.42	874.45	1,466.83	1,664.31	1,660.31	3.99	416.676		
700.00	695.62	646.70	646.64	2.63	2.22	-4.57	876.25	1,465.80	1,645.33	1,640.63	4.69	350.465		
800.00	793.06	737.71	737.57	3.11	2.54	-4.80	879.53	1,464.28	1,623.33	1,617.94	5.40	300.758		
900.00	889.64	825.21	824.94	3.64	2.85	-5.09	884.10	1,462.41	1,598.41	1,592.31	6.10	262.171		
1,000.00	985.27	908.74	908.25	4.22	3.16	-5.45	889.82	1,460.48	1,570.85	1,564.05	6.79	231.230		
1,100.00	1,079.82	992.92	992.11	4.84	3.47	-5.89	896.90	1,458.49	1,540.76	1,533.26	7.50	205.341		
1,200.00	1,173.17	1,068.00	1,066.78	5.52	3.75	-6.38	904.42	1,456.30	1,507.94	1,499.75	8.19	184.069		
1,300.00	1,265.21	1,148.55	1,146.58	6.26	4.07	-7.04	914.87	1,453.37	1,472.91	1,463.98	8.92	165.106		
1,400.00	1,355.84	1,242.62	1,239.39	7.06	4.44	-7.98	929.68	1,449.31	1,435.69	1,425.97	9.72	147.669		
1,500.00	1,444.94	1,320.36	1,315.95	7.92	4.76	-8.90	942.64	1,445.45	1,395.57	1,385.09	10.48	133.112		
1,600.00	1,532.39	1,388.64	1,382.83	8.84	5.06	-9.89	955.85	1,441.71	1,353.69	1,342.45	11.24	120.481		
1,700.00	1,618.11	1,454.08	1,446.62	9.83	5.35	-10.99	970.05	1,438.31	1,310.55	1,298.55	12.00	109.178		
1,800.00	1,701.97	1,527.00	1,517.27	10.89	5.69	-12.40	987.63	1,434.24	1,265.95	1,253.11	12.84	98.570		
1,900.00	1,783.88	1,582.16	1,570.43	12.02	5.96	-13.66	1,002.05	1,431.35	1,220.39	1,206.74	13.65	89.431		
1,991.28	1,856.86	1,632.68	1,618.94	13.11	6.21	-14.93	1,016.02	1,429.46	1,178.56	1,164.14	14.41	81.781		
2,000.00	1,863.75	1,637.52	1,623.58	13.21	6.24	-15.03	1,017.40	1,429.31	1,174.56	1,160.07	14.49	81.065		
2,100.00	1,942.74	1,677.00	1,661.34	14.45	6.44	-15.89	1,028.87	1,428.39	1,130.54	1,115.26	15.27	74.025		
2,200.00	2,021.72	1,743.94	1,724.87	15.69	6.80	-17.45	1,049.94	1,427.64	1,089.58	1,073.31	16.26	66.997		
2,300.00	2,100.71	1,851.67	1,825.91	16.95	7.41	-20.28	1,087.19	1,425.41	1,051.51	1,033.91	17.61	59.713		
2,400.00	2,179.70	1,910.44	1,880.74	18.21	7.76	-22.03	1,108.06	1,422.02	1,013.71	994.98	18.73	54.119		
2,500.00	2,258.69	1,961.00	1,927.39	19.47	8.07	-23.61	1,127.45	1,419.84	980.57	960.72	19.85	49.407		
2,600.00	2,337.68	2,022.09	1,983.35	20.74	8.47	-25.56	1,151.89	1,418.45	952.03	930.92	21.11	45.106		
2,700.00	2,416.66	2,085.47	2,041.18	22.02	8.89	-27.61	1,177.82	1,418.36	927.78	905.33	22.44	41.342		
2,800.00	2,495.65	2,150.00	2,099.27	23.29	9.34	-29.82	1,205.93	1,417.94	908.16	884.31	23.86	38.069		
2,900.00	2,574.64	2,275.36	2,211.23	24.57	10.26	-34.69	1,261.38	1,408.58	889.77	863.53	26.24	33.904		
3,000.00	2,653.63	2,353.12	2,280.50	25.85	10.84	-37.94	1,295.61	1,399.85	874.60	846.46	28.13	31.086		
3,100.00	2,732.62	2,463.19	2,378.47	27.14	11.68	-42.86	1,342.64	1,382.55	862.18	831.53	30.65	28.128		
3,200.00	2,811.61	2,554.00	2,459.32	28.42	12.38	-47.19	1,379.47	1,363.78	852.92	819.94	32.98	25.862		
3,300.00	2,890.59	2,633.49	2,530.41	29.71	12.98	-51.04	1,410.54	1,346.50	848.45	813.32	35.13	24.149		
3,330.54	2,914.72	2,655.44	2,550.17	30.10	13.15	-52.10	1,419.01	1,342.00	848.18	812.44	35.74	23.730 CC		
3,400.00	2,969.58	2,707.74	2,597.49	31.00	13.54	-54.54	1,439.12	1,332.49	849.51	812.36	37.14	22.870 ES		
3,500.00	3,048.57	2,760.24	2,645.09	32.29	13.95	-56.91	1,459.80	1,324.57	856.70	818.04	38.66	22.158		
3,600.00	3,127.56	2,812.00	2,691.53	33.58	14.35	-59.14	1,481.75	1,318.22	871.03	830.98	40.05	21.749		
3,700.00	3,206.55	2,889.78	2,760.94	34.87	14.97	-62.38	1,515.76	1,309.54	890.81	848.91	41.90	21.260		
3,800.00	3,285.53	2,972.52	2,834.94	36.16	15.63	-65.74	1,551.51	1,299.99	914.43	870.61	43.81	20.870		
3,900.00	3,364.52	3,059.18	2,912.77	37.45	16.32	-69.09	1,588.47	1,290.74	941.21	895.45	45.76	20.567		
4,000.00	3,443.51	3,142.06	2,987.44	38.74	16.97	-72.06	1,623.83	1,284.20	970.60	923.02	47.58	20.398		
4,100.00	3,522.50	3,221.82	3,059.30	40.04	17.59	-74.78	1,657.91	1,278.12	1,002.92	953.62	49.30	20.343		
4,200.00	3,601.49	3,306.97	3,136.01	41.33	18.26	-77.48	1,694.50	1,272.86	1,037.53	986.43	51.10	20.305		
4,300.00	3,680.47	3,390.99	3,211.82	42.63	18.91	-79.99	1,730.42	1,268.19	1,074.01	1,021.17	52.84	20.326		
4,400.00	3,759.46	3,470.15	3,283.21	43.92	19.53	-82.21	1,764.39	1,264.17	1,112.45	1,058.00	54.45	20.430		
4,500.00	3,838.45	3,541.05	3,347.09	45.22	20.09	-84.12	1,794.88	1,260.18	1,153.04	1,097.19	55.85	20.644		
4,600.00	3,917.44	3,630.02	3,427.31	46.51	20.79	-86.43	1,832.90	1,254.30	1,195.60	1,137.98	57.62	20.748		
4,700.00	3,996.43	3,700.48	3,490.82	47.81	21.35	-88.10	1,863.20	1,250.84	1,239.02	1,180.05	58.97	21.011		
4,800.00	4,075.42	3,758.00	3,542.45	49.10	21.80	-89.45	1,888.21	1,246.62	1,285.27	1,225.27	60.00	21.421		
4,900.00	4,154.40	3,807.49	3,586.85	50.40	22.20	-90.63	1,909.38	1,241.21	1,334.27	1,273.48	60.79	21.948		
5,000.00	4,233.39	3,852.00	3,626.90	51.70	22.56	-91.74	1,927.58	1,234.47	1,385.94	1,324.52	61.42	22.566		

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-20-01
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-20-01	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	4,312.38	3,919.19	3,687.38	52.99	23.10	-93.43	1,954.19	1,222.28	1,439.81	1,377.30	62.51	23.033		
5,200.00	4,391.37	3,983.18	3,744.96	54.29	23.61	-94.99	1,979.05	1,209.56	1,495.56	1,432.06	63.50	23.552		
5,300.00	4,470.36	4,061.18	3,815.22	55.59	24.23	-96.83	2,008.84	1,193.47	1,552.67	1,487.88	64.79	23.966		
5,400.00	4,549.34	4,207.48	3,947.49	56.89	25.39	-99.75	2,066.95	1,171.07	1,608.05	1,540.42	67.62	23.780		
5,500.00	4,628.33	4,304.97	4,035.43	58.18	26.17	-101.33	2,107.94	1,161.80	1,662.03	1,592.62	69.41	23.945		
5,600.00	4,707.32	4,404.08	4,125.03	59.48	26.96	-102.82	2,149.40	1,153.21	1,716.03	1,644.82	71.22	24.095		
5,700.00	4,786.31	4,485.91	4,199.12	60.78	27.60	-103.95	2,183.61	1,147.09	1,769.85	1,697.19	72.66	24.359		
5,800.00	4,865.30	4,544.83	4,252.19	62.08	28.07	-104.72	2,208.74	1,142.31	1,825.01	1,751.40	73.61	24.793		
5,900.00	4,944.28	4,609.00	4,310.01	63.38	28.59	-105.55	2,235.88	1,136.15	1,881.39	1,806.73	74.66	25.199		
6,000.00	5,023.27	4,711.87	4,402.74	64.68	29.42	-106.80	2,279.38	1,126.62	1,938.02	1,861.49	76.53	25.323		
6,100.00	5,102.26	4,761.90	4,447.96	65.97	29.82	-107.39	2,300.23	1,121.74	1,995.00	1,917.73	77.27	25.818		
6,200.00	5,181.25	4,830.46	4,510.13	67.27	30.36	-108.21	2,327.97	1,113.68	2,053.18	1,974.80	78.38	26.194		
6,300.00	5,260.24	4,948.76	4,617.42	68.57	31.29	-109.51	2,376.25	1,101.35	2,111.05	2,030.52	80.53	26.215		
6,400.00	5,339.23	5,051.65	4,710.85	69.87	32.10	-110.52	2,418.53	1,092.98	2,167.69	2,085.33	82.36	26.320		
6,500.00	5,418.21	5,235.08	4,877.72	71.17	33.51	-112.09	2,494.11	1,084.19	2,222.22	2,136.48	85.75	25.916		
6,600.00	5,497.20	5,306.90	4,943.13	72.47	34.05	-112.64	2,523.74	1,082.65	2,275.28	2,188.30	86.98	26.158		
6,700.00	5,576.19	5,367.00	4,997.71	73.77	34.51	-113.08	2,548.79	1,080.66	2,329.47	2,241.48	87.99	26.473		
6,800.00	5,655.18	5,411.38	5,037.97	75.07	34.86	-113.40	2,567.35	1,078.60	2,384.81	2,296.12	88.68	26.891		
6,900.00	5,734.17	5,471.44	5,106.31	76.37	35.17	-113.65	2,586.85	1,076.53	2,439.53	2,350.48	89.37	27.309		
7,000.00	5,813.15	5,540.91	5,176.31	77.67	35.43	-113.87	2,606.35	1,074.46	2,494.25	2,405.20	90.06	27.727		
7,100.00	5,892.14	5,610.38	5,246.31	78.97	35.69	-114.09	2,625.85	1,072.39	2,548.97	2,460.92	90.75	28.145		
7,200.00	5,971.13	5,689.85	5,321.31	80.27	35.95	-114.31	2,645.35	1,070.32	2,603.69	2,516.64	91.44	28.563		
7,300.00	6,050.12	5,769.32	5,396.31	81.57	36.21	-114.53	2,664.85	1,068.25	2,658.41	2,572.36	92.13	28.981		
7,400.00	6,129.11	5,848.79	5,471.31	82.86	36.47	-114.75	2,684.35	1,066.18	2,713.13	2,628.08	92.82	29.399		
7,500.00	6,208.09	5,928.26	5,546.31	84.16	36.73	-114.97	2,703.85	1,064.11	2,767.85	2,693.80	93.51	29.817		
7,600.00	6,287.08	6,007.73	5,621.31	85.46	37.00	-115.19	2,723.35	1,062.04	2,822.57	2,749.52	94.20	30.235		
7,700.00	6,366.07	6,087.20	5,696.31	86.76	37.26	-115.41	2,742.85	1,059.97	2,877.29	2,805.24	94.89	30.653		
7,800.00	6,445.06	6,166.67	5,771.31	88.06	37.52	-115.63	2,762.35	1,057.90	2,932.01	2,860.96	95.58	31.071		
7,900.00	6,524.05	6,246.14	5,846.31	89.36	37.78	-115.85	2,781.85	1,055.83	2,986.73	2,916.68	96.27	31.489		
8,000.00	6,603.03	6,325.61	5,921.31	90.66	38.04	-116.07	2,801.35	1,053.76	3,041.45	2,972.40	96.96	31.907		
8,100.00	6,682.02	6,405.08	5,996.31	91.96	38.30	-116.29	2,820.85	1,051.69	3,096.17	3,028.12	97.65	32.325		
8,133.44	6,708.44	6,431.50	6,021.31	92.40	38.43	-116.39	2,835.35	1,050.62	3,110.67	3,042.62	97.79	32.433		
8,150.00	6,721.39	6,444.45	6,034.26	92.62	38.48	-116.43	2,840.85	1,050.00	3,115.17	3,047.12	97.83	32.477		
8,200.00	6,758.90	6,481.96	6,071.77	93.34	38.59	-116.54	2,855.35	1,048.93	3,129.67	3,061.62	98.07	32.585		
8,250.00	6,793.76	6,516.82	6,106.63	94.13	38.69	-116.65	2,869.85	1,047.81	3,144.17	3,076.12	98.31	32.693		
8,300.00	6,825.72	6,548.78	6,138.59	95.00	38.79	-116.76	2,884.35	1,046.69	3,158.67	3,090.62	98.55	32.801		
8,350.00	6,854.52	6,577.58	6,167.39	95.93	38.89	-116.87	2,898.85	1,045.57	3,173.17	3,105.12	98.79	32.909		
8,400.00	6,879.97	6,602.03	6,191.84	96.92	38.98	-116.98	2,913.35	1,044.45	3,187.67	3,119.62	99.03	33.017		
8,450.00	6,901.84	6,623.90	6,213.71	97.95	39.07	-117.09	2,927.85	1,043.33	3,202.17	3,134.12	99.27	33.125		
8,500.00	6,920.00	6,642.06	6,231.87	99.02	39.16	-117.20	2,942.35	1,042.21	3,216.67	3,148.62	99.51	33.233		
8,550.00	6,934.28	6,656.34	6,246.15	100.12	39.25	-117.31	2,956.85	1,041.09	3,231.17	3,163.12	99.75	33.341		
8,600.00	6,944.59	6,666.65	6,256.46	101.22	39.34	-117.42	2,971.35	1,040.00	3,245.67	3,177.62	100.00	33.449		
8,650.00	6,950.84	6,672.90	6,262.71	102.33	39.43	-117.53	2,985.85	1,038.93	3,260.17	3,192.12	100.24	33.557		
8,701.16	6,953.00	6,675.06	6,264.87	103.44	39.52	-117.64	2,999.35	1,037.81	3,274.67	3,206.62	100.48	33.665		
8,800.00	6,953.00	6,675.06	6,264.87	105.59	39.61	-117.75	3,013.85	1,036.69	3,289.17	3,221.12	100.72	33.773		
8,900.00	6,953.00	6,675.06	6,264.87	107.79	39.70	-117.86	3,028.35	1,035.57	3,303.67	3,235.62	100.96	33.881		
8,967.17	6,953.00	6,675.06	6,264.87	109.29	39.79	-117.97	3,042.85	1,034.45	3,318.17	3,250.12	101.20	33.989		
9,000.00	6,953.00	6,675.06	6,264.87	110.02	39.88	-118.08	3,057.35	1,033.33	3,332.67	3,264.62	101.44	34.097		
9,100.00	6,953.00	6,675.06	6,264.87	112.26	39.97	-118.19	3,071.85	1,032.21	3,347.17	3,279.12	101.68	34.205		
9,200.00	6,953.00	6,675.06	6,264.87	114.52	40.06	-118.30	3,086.35	1,031.09	3,361.67	3,293.62	101.92	34.313		
9,300.00	6,953.00	6,675.06	6,264.87	116.80	40.15	-118.41	3,100.85	1,029.97	3,376.17	3,308.12	102.16	34.421		
9,400.00	6,953.00	6,675.06	6,264.87	119.10	40.24	-118.52	3,115.35	1,028.85	3,390.67	3,322.62	102.40	34.529		

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-20-01
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-20-01	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		
9,500.00	6,953.00	11,699.24	7,119.95	121.42	116.25	-98.20	3,507.35	5,206.31	1,486.83	1,261.87	224.97	6.609		
9,554.98	6,953.00	11,737.00	7,120.00	122.70	117.23	-98.20	3,507.05	5,244.07	1,486.52	1,258.57	227.95	6.521		
9,600.00	6,953.00	11,763.23	7,120.03	123.75	117.91	-98.20	3,507.16	5,270.30	1,486.81	1,256.39	230.42	6.453		
9,700.00	6,953.00	11,832.00	7,120.03	126.10	119.69	-98.19	3,509.02	5,339.04	1,489.51	1,253.76	235.75	6.318		
9,800.00	6,953.00	12,108.15	7,119.30	128.46	126.84	-98.16	3,508.03	5,614.81	1,493.47	1,255.30	238.17	6.271		
9,900.00	6,953.00	12,220.87	7,119.35	130.84	129.74	-98.22	3,497.51	5,727.04	1,484.42	1,241.54	242.88	6.112		
10,000.00	6,953.00	12,313.84	7,119.01	133.23	132.13	-98.26	3,488.86	5,819.61	1,475.37	1,227.26	248.11	5.947		
10,100.00	6,953.00	12,398.00	7,118.73	135.63	134.31	-98.29	3,481.21	5,903.41	1,466.61	1,213.05	253.56	5.784		
10,200.00	6,953.00	12,450.70	7,118.82	138.04	135.68	-98.31	3,477.51	5,955.98	1,460.14	1,200.47	259.67	5.623		
10,300.00	6,953.00	12,494.00	7,119.14	140.46	136.81	-98.33	3,476.13	5,999.26	1,457.41	1,191.71	265.71	5.485		
10,310.23	6,953.00	12,494.00	7,119.14	140.71	136.81	-98.33	3,476.13	5,999.26	1,457.38	1,191.02	266.36	5.471		
10,400.00	6,953.00	12,537.99	7,119.51	142.90	137.96	-98.34	3,476.44	6,043.24	1,458.55	1,187.15	271.40	5.374		
10,500.00	6,953.00	12,588.00	7,119.72	145.34	139.27	-98.33	3,479.11	6,093.17	1,463.74	1,187.01	276.74	5.289		
10,600.00	6,953.00	12,683.35	7,119.84	147.80	141.78	-98.30	3,486.04	6,188.27	1,471.13	1,189.23	281.90	5.219		
10,700.00	6,953.00	12,902.65	7,119.72	150.26	147.56	-98.27	3,489.68	6,407.46	1,471.83	1,185.60	286.23	5.142		
10,800.00	6,953.00	13,000.37	7,119.51	152.73	150.13	-98.27	3,488.69	6,505.17	1,471.00	1,179.55	291.44	5.047		
10,875.74	6,953.00	13,060.00	7,119.60	154.61	151.71	-98.28	3,487.56	6,564.80	1,469.93	1,174.36	295.58	4.973		
10,900.00	6,953.00	13,060.00	7,119.60	155.21	151.71	-98.28	3,487.56	6,564.80	1,470.13	1,173.05	297.09	4.948		
11,000.00	6,953.00	13,127.88	7,119.87	157.70	153.50	-98.28	3,487.95	6,632.66	1,471.58	1,169.09	302.49	4.865		
11,100.00	6,953.00	13,268.52	7,120.55	160.20	157.22	-98.28	3,492.56	6,773.21	1,475.54	1,168.16	307.38	4.800		
11,200.00	6,953.00	13,365.68	7,120.86	162.70	159.80	-98.29	3,493.67	6,870.36	1,476.91	1,164.31	312.60	4.725		
11,300.00	6,953.00	13,467.64	7,121.10	165.21	162.50	-98.29	3,494.04	6,972.32	1,477.50	1,159.71	317.79	4.649		
11,400.00	6,953.00	13,534.00	7,121.33	167.73	164.26	-98.29	3,495.53	7,038.66	1,479.91	1,156.66	323.25	4.578		
11,500.00	6,953.00	13,619.43	7,121.48	170.25	166.53	-98.28	3,498.88	7,124.02	1,483.99	1,155.46	328.53	4.517		
11,600.00	6,953.00	13,736.59	7,121.36	172.78	169.64	-98.25	3,502.93	7,241.10	1,487.58	1,153.87	333.70	4.458		
11,700.00	6,953.00	13,816.00	7,121.32	175.31	171.75	-98.23	3,506.22	7,320.45	1,491.79	1,152.77	339.02	4.400		
11,800.00	6,953.00	13,960.23	7,120.95	177.85	175.58	-98.18	3,512.08	7,464.52	1,496.46	1,152.41	344.05	4.350		
11,900.00	6,953.00	14,194.00	7,120.09	180.40	181.79	-98.19	3,504.85	7,698.07	1,493.46	1,146.59	346.86	4.306		
12,000.00	6,953.00	14,244.94	7,119.94	182.95	183.14	-98.20	3,501.58	7,748.90	1,487.53	1,134.23	353.29	4.210		
12,100.00	6,953.00	14,288.00	7,119.84	185.50	184.28	-98.20	3,500.55	7,791.95	1,485.38	1,125.89	359.50	4.132		
12,104.45	6,953.00	14,288.00	7,119.84	185.62	184.28	-98.20	3,500.55	7,791.95	1,485.38	1,125.60	359.79	4.129		
12,200.00	6,953.00	14,320.73	7,119.79	188.06	185.15	-98.19	3,501.15	7,824.67	1,487.43	1,122.19	365.24	4.072		
12,300.00	6,953.00	14,383.00	7,119.74	190.63	186.80	-98.16	3,506.54	7,886.69	1,495.01	1,124.53	370.47	4.035		
12,400.00	6,953.00	14,389.92	7,119.74	193.20	186.99	-98.16	3,507.44	7,893.54	1,505.16	1,130.51	374.65	4.017		
12,500.00	6,953.00	14,743.31	7,120.40	195.77	196.37	-98.07	3,527.46	8,245.69	1,514.10	1,134.40	379.69	3.988		
12,600.00	6,953.00	14,829.25	7,120.32	198.35	198.66	-98.09	3,523.53	8,331.54	1,509.91	1,124.69	385.22	3.920		
12,700.00	6,953.00	14,984.77	7,120.17	200.93	202.81	-98.11	3,517.70	8,486.93	1,507.03	1,117.85	389.18	3.872		
12,800.00	6,953.00	15,002.00	7,120.14	203.51	203.27	-98.12	3,516.54	8,504.12	1,502.81	1,106.60	396.20	3.793		
12,815.00	6,953.00	15,002.00	7,120.14	203.90	203.27	-98.12	3,516.54	8,504.12	1,502.73	1,105.54	397.19	3.783		
12,900.00	6,953.00	15,002.00	7,120.14	206.10	203.27	-98.12	3,516.54	8,504.12	1,505.13	1,103.05	402.09	3.743		
13,000.00	6,953.00	15,002.00	7,120.14	208.69	203.27	-98.12	3,516.54	8,504.12	1,514.08	1,107.82	406.26	3.727 SF		
13,100.00	6,953.00	15,002.00	7,120.14	211.29	203.27	-98.12	3,516.54	8,504.12	1,529.52	1,120.81	408.71	3.742		
13,200.00	6,953.00	15,002.00	7,120.14	213.88	203.27	-98.12	3,516.54	8,504.12	1,551.27	1,141.74	409.53	3.788		
13,300.00	6,953.00	15,002.00	7,120.14	216.48	203.27	-98.12	3,516.54	8,504.12	1,579.06	1,170.24	408.82	3.862		
13,400.00	6,953.00	15,002.00	7,120.14	219.09	203.27	-98.12	3,516.54	8,504.12	1,612.58	1,205.83	406.76	3.965		
13,500.00	6,953.00	15,002.00	7,120.14	221.69	203.27	-98.12	3,516.54	8,504.12	1,651.49	1,247.97	403.52	4.093		
13,600.00	6,953.00	15,002.00	7,120.14	224.30	203.27	-98.12	3,516.54	8,504.12	1,695.41	1,296.10	399.31	4.246		
13,700.00	6,953.00	15,002.00	7,120.14	226.92	203.27	-98.12	3,516.54	8,504.12	1,743.97	1,349.65	394.32	4.423		
13,800.00	6,953.00	15,002.00	7,120.14	229.53	203.27	-98.12	3,516.54	8,504.12	1,796.78	1,408.05	388.73	4.622		
13,900.00	6,953.00	15,002.00	7,120.14	232.15	203.27	-98.12	3,516.54	8,504.12	1,853.49	1,470.78	382.71	4.843		
14,000.00	6,953.00	15,002.00	7,120.14	234.77	203.27	-98.12	3,516.54	8,504.12	1,913.75	1,537.35	376.39	5.084		
14,100.00	6,953.00	15,002.00	7,120.14	237.39	203.27	-98.12	3,516.54	8,504.12	1,977.23	1,607.33	369.90	5.345		

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-20-01
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-20-01	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	6,953.00	15,002.00	7,120.14	240.01	203.27	-98.12	3,516.54	8,504.12	2,043.63	1,680.30	363.33	5.625		
14,300.00	6,953.00	15,002.00	7,120.14	242.64	203.27	-98.12	3,516.54	8,504.12	2,112.68	1,755.91	356.77	5.922		
14,400.00	6,953.00	15,002.00	7,120.14	245.27	203.27	-98.12	3,516.54	8,504.12	2,184.13	1,833.86	350.27	6.235		
14,500.00	6,953.00	15,002.00	7,120.14	247.90	203.27	-98.12	3,516.54	8,504.12	2,257.75	1,913.85	343.89	6.565		
14,600.00	6,953.00	15,002.00	7,120.14	250.53	203.27	-98.12	3,516.54	8,504.12	2,333.33	1,995.66	337.66	6.910		
14,700.00	6,953.00	15,002.00	7,120.14	253.16	203.27	-98.12	3,516.54	8,504.12	2,410.69	2,079.08	331.61	7.270		
14,800.00	6,953.00	15,002.00	7,120.14	255.80	203.27	-98.12	3,516.54	8,504.12	2,489.66	2,163.91	325.75	7.643		
14,900.00	6,953.00	15,002.00	7,120.14	258.43	203.27	-98.12	3,516.54	8,504.12	2,570.10	2,250.00	320.10	8.029		
15,000.00	6,953.00	15,002.00	7,120.14	261.07	203.27	-98.12	3,516.54	8,504.12	2,651.87	2,337.22	314.65	8.428		
15,100.00	6,953.00	15,002.00	7,120.14	263.71	203.27	-98.12	3,516.54	8,504.12	2,734.85	2,425.43	309.42	8.839		
15,200.00	6,953.00	15,002.00	7,120.14	266.36	203.27	-98.12	3,516.54	8,504.12	2,818.94	2,514.54	304.40	9.261		
15,300.00	6,953.00	15,002.00	7,120.14	269.00	203.27	-98.12	3,516.54	8,504.12	2,904.03	2,604.45	299.59	9.693		
15,400.00	6,953.00	15,002.00	7,120.14	271.65	203.27	-98.12	3,516.54	8,504.12	2,990.05	2,695.07	294.98	10.137		
15,500.00	6,953.00	15,002.00	7,120.14	274.29	203.27	-98.12	3,516.54	8,504.12	3,076.92	2,786.35	290.57	10.589		
15,600.00	6,953.00	15,002.00	7,120.14	276.94	203.27	-98.12	3,516.54	8,504.12	3,164.56	2,878.21	286.34	11.052		
15,700.00	6,953.00	15,002.00	7,120.14	279.59	203.27	-98.12	3,516.54	8,504.12	3,252.91	2,970.61	282.30	11.523		
15,800.00	6,953.00	15,002.00	7,120.14	282.24	203.27	-98.12	3,516.54	8,504.12	3,341.92	3,063.48	278.44	12.002		
15,900.00	6,953.00	15,002.00	7,120.14	284.90	203.27	-98.12	3,516.54	8,504.12	3,431.53	3,156.79	274.74	12.490		
16,000.00	6,953.00	15,002.00	7,120.14	287.55	203.27	-98.12	3,516.54	8,504.12	3,521.71	3,250.50	271.20	12.986		
16,100.00	6,953.00	15,002.00	7,120.14	290.20	203.27	-98.12	3,516.54	8,504.12	3,612.40	3,344.58	267.82	13.488		
16,200.00	6,953.00	15,002.00	7,120.14	292.86	203.27	-98.12	3,516.54	8,504.12	3,703.57	3,438.99	264.57	13.998		
16,300.00	6,953.00	15,002.00	7,120.14	295.52	203.27	-98.12	3,516.54	8,504.12	3,795.18	3,533.71	261.47	14.515		
16,400.00	6,953.00	15,002.00	7,120.14	298.18	203.27	-98.12	3,516.54	8,504.12	3,887.21	3,628.71	258.50	15.038		
16,500.00	6,953.00	15,002.00	7,120.14	300.84	203.27	-98.12	3,516.54	8,504.12	3,979.62	3,723.98	255.65	15.567		
16,600.00	6,953.00	15,002.00	7,120.14	303.50	203.27	-98.12	3,516.54	8,504.12	4,072.40	3,819.48	252.92	16.102		
16,700.00	6,953.00	15,002.00	7,120.14	306.16	203.27	-98.12	3,516.54	8,504.12	4,165.50	3,915.20	250.30	16.642		
16,800.00	6,953.00	15,002.00	7,120.14	308.82	203.27	-98.12	3,516.54	8,504.12	4,258.92	4,011.14	247.78	17.188		
16,900.00	6,953.00	15,002.00	7,120.14	311.49	203.27	-98.12	3,516.54	8,504.12	4,352.63	4,107.26	245.37	17.739		
17,000.00	6,953.00	15,002.00	7,120.14	314.15	203.27	-98.12	3,516.54	8,504.12	4,446.62	4,203.56	243.06	18.295		
17,100.00	6,953.00	15,002.00	7,120.14	316.82	203.27	-98.12	3,516.54	8,504.12	4,540.86	4,300.03	240.83	18.855		
17,200.00	6,953.00	15,002.00	7,120.14	319.48	203.27	-98.12	3,516.54	8,504.12	4,635.34	4,396.65	238.69	19.420		
17,300.00	6,953.00	15,002.00	7,120.14	322.15	203.27	-98.12	3,516.54	8,504.12	4,730.05	4,493.42	236.63	19.989		
17,400.00	6,953.00	15,002.00	7,120.14	324.82	203.27	-98.12	3,516.54	8,504.12	4,824.98	4,590.32	234.65	20.562		
17,500.00	6,953.00	15,002.00	7,120.14	327.49	203.27	-98.12	3,516.54	8,504.12	4,920.10	4,687.35	232.75	21.139		
17,600.00	6,953.00	15,002.00	7,120.14	330.16	203.27	-98.12	3,516.54	8,504.12	5,015.42	4,784.50	230.91	21.720		
17,700.00	6,953.00	15,002.00	7,120.14	332.83	203.27	-98.12	3,516.54	8,504.12	5,110.91	4,881.76	229.15	22.304		
17,800.00	6,953.00	15,002.00	7,120.14	335.50	203.27	-98.12	3,516.54	8,504.12	5,206.57	4,979.13	227.44	22.892		
17,900.00	6,953.00	15,002.00	7,120.14	338.17	203.27	-98.12	3,516.54	8,504.12	5,302.40	5,076.59	225.80	23.483		
18,000.00	6,953.00	15,002.00	7,120.14	340.85	203.27	-98.12	3,516.54	8,504.12	5,398.37	5,174.15	224.22	24.077		
18,100.00	6,953.00	15,002.00	7,120.14	343.52	203.27	-98.12	3,516.54	8,504.12	5,494.49	5,271.80	222.69	24.674		
18,200.00	6,953.00	15,002.00	7,120.14	346.19	203.27	-98.12	3,516.54	8,504.12	5,590.74	5,369.53	221.21	25.273		
18,300.00	6,953.00	15,002.00	7,120.14	348.87	203.27	-98.12	3,516.54	8,504.12	5,687.13	5,467.34	219.79	25.876		
18,400.00	6,953.00	15,002.00	7,120.14	351.55	203.27	-98.12	3,516.54	8,504.12	5,783.63	5,565.22	218.41	26.481		
18,500.00	6,953.00	15,002.00	7,120.14	354.22	203.27	-98.12	3,516.54	8,504.12	5,880.25	5,663.18	217.08	27.088		
18,600.00	6,953.00	15,002.00	7,120.14	356.90	203.27	-98.12	3,516.54	8,504.12	5,976.99	5,761.20	215.79	27.698		
18,700.00	6,953.00	15,002.00	7,120.14	359.58	203.27	-98.12	3,516.54	8,504.12	6,073.83	5,859.29	214.54	28.311		
18,800.00	6,953.00	15,002.00	7,120.14	362.26	203.27	-98.12	3,516.54	8,504.12	6,170.77	5,957.43	213.34	28.925		
18,900.00	6,953.00	15,002.00	7,120.14	364.94	203.27	-98.12	3,516.54	8,504.12	6,267.81	6,055.64	212.17	29.542		
19,000.00	6,953.00	15,002.00	7,120.14	367.62	203.27	-98.12	3,516.54	8,504.12	6,364.93	6,153.90	211.04	30.160		
19,073.74	6,953.00	15,002.00	7,120.14	369.59	203.27	-98.12	3,516.54	8,504.12	6,436.62	6,226.39	210.23	30.617		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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	53.71	53.71	0.27	0.11	60.27	837.24	1,465.89	1,688.13	1,687.75	0.38	4,454.627		
200.00	199.98	149.64	149.64	0.63	0.45	-3.20	837.90	1,465.73	1,686.59	1,685.51	1.08	1,561.866		
300.00	299.84	250.33	250.32	0.99	0.82	-3.27	839.41	1,465.32	1,681.76	1,679.96	1.80	931.770		
400.00	399.45	355.12	355.09	1.36	1.19	-3.36	840.99	1,464.35	1,672.99	1,670.45	2.55	656.534		
500.00	498.70	456.99	456.95	1.76	1.55	-3.42	841.61	1,464.07	1,660.90	1,657.62	3.28	506.104		
600.00	597.47	552.90	552.87	2.18	1.89	-3.50	842.02	1,463.44	1,644.94	1,640.95	3.99	412.407		
700.00	695.62	643.62	643.58	2.63	2.20	-3.55	841.86	1,463.89	1,626.22	1,621.55	4.67	348.083		
800.00	793.06	734.21	734.17	3.11	2.51	-3.61	841.76	1,464.49	1,604.28	1,598.92	5.36	299.234		
900.00	889.64	824.68	824.62	3.64	2.82	-3.74	843.45	1,464.80	1,579.63	1,573.57	6.06	260.470		
1,000.00	985.27	918.73	918.61	4.22	3.16	-3.97	846.63	1,464.23	1,551.60	1,544.81	6.79	228.466		
1,100.00	1,079.82	1,003.21	1,002.93	4.84	3.47	-4.29	851.62	1,463.02	1,520.79	1,513.29	7.49	202.969		
1,200.00	1,173.17	1,090.57	1,089.90	5.52	3.79	-4.76	859.55	1,460.73	1,487.31	1,479.09	8.22	181.022		
1,300.00	1,265.21	1,179.92	1,178.51	6.26	4.12	-5.43	870.27	1,456.87	1,450.75	1,441.78	8.96	161.863		
1,400.00	1,355.84	1,256.00	1,253.70	7.06	4.42	-6.15	881.33	1,453.26	1,412.00	1,402.32	9.68	145.876		
1,500.00	1,444.94	1,321.66	1,318.32	7.92	4.68	-6.90	892.53	1,450.13	1,371.51	1,361.13	10.38	132.118		
1,600.00	1,532.39	1,397.52	1,392.60	8.84	5.00	-7.92	907.41	1,446.28	1,329.26	1,318.12	11.14	119.274		
1,700.00	1,618.11	1,474.65	1,467.91	9.83	5.33	-9.11	923.58	1,442.24	1,284.89	1,272.95	11.94	107.599		
1,800.00	1,701.97	1,546.14	1,537.29	10.89	5.65	-10.43	940.27	1,438.01	1,238.71	1,225.96	12.75	97.149		
1,900.00	1,783.88	1,630.65	1,619.05	12.02	6.05	-12.20	961.09	1,433.10	1,190.91	1,177.25	13.66	87.197		
1,991.28	1,856.86	1,719.46	1,704.95	13.11	6.47	-14.31	982.73	1,426.69	1,144.40	1,129.83	14.58	78.500		
2,000.00	1,863.75	1,727.17	1,712.41	13.21	6.51	-14.48	984.56	1,426.12	1,139.84	1,125.17	14.67	77.706		
2,100.00	1,942.74	1,809.59	1,792.32	14.45	6.91	-16.39	1,003.79	1,419.90	1,087.81	1,072.15	15.66	69.473		
2,200.00	2,021.72	1,888.10	1,868.34	15.69	7.30	-18.38	1,022.39	1,413.81	1,036.90	1,020.20	16.70	62.102		
2,300.00	2,100.71	1,973.48	1,951.19	16.95	7.72	-20.70	1,041.98	1,407.22	986.79	968.95	17.84	55.312		
2,400.00	2,179.70	2,047.40	2,023.18	18.21	8.08	-22.80	1,058.03	1,402.50	938.06	919.06	19.00	49.364		
2,500.00	2,258.69	2,104.13	2,078.52	19.47	8.36	-24.47	1,070.31	1,400.10	891.93	871.77	20.16	44.247		
2,600.00	2,337.68	2,162.78	2,135.55	20.74	8.65	-26.26	1,083.98	1,399.19	849.75	828.35	21.40	39.713		
2,700.00	2,416.66	2,236.27	2,206.85	22.02	9.01	-28.60	1,101.77	1,399.29	810.84	788.03	22.81	35.548		
2,800.00	2,495.65	2,317.74	2,285.70	23.29	9.42	-31.42	1,122.22	1,399.37	774.57	750.16	24.40	31.739		
2,900.00	2,574.64	2,406.06	2,370.81	24.57	9.89	-34.92	1,145.69	1,396.92	740.58	714.33	26.25	28.216		
3,000.00	2,653.63	2,555.18	2,514.26	25.85	10.68	-42.09	1,182.89	1,381.41	706.25	677.34	28.91	24.431		
3,100.00	2,732.62	2,645.25	2,601.72	27.14	11.14	-47.00	1,199.77	1,368.01	670.11	638.84	31.28	21.426		
3,200.00	2,811.61	2,697.96	2,652.94	28.42	11.40	-49.98	1,210.16	1,361.26	640.36	606.94	33.43	19.157		
3,300.00	2,890.59	2,763.11	2,716.14	29.71	11.73	-53.71	1,224.56	1,354.68	618.34	582.63	35.71	17.318		
3,400.00	2,969.58	2,838.23	2,789.02	31.00	12.12	-58.05	1,241.72	1,348.65	602.96	564.88	38.08	15.834		
3,500.00	3,048.57	2,918.37	2,866.85	32.29	12.54	-62.73	1,259.97	1,343.02	593.57	553.10	40.46	14.669		
3,597.93	3,125.92	2,993.65	2,939.97	33.55	12.93	-67.09	1,277.37	1,338.94	590.50	547.86	42.64	13.849 CC		
3,600.00	3,127.56	2,995.27	2,941.55	33.58	12.94	-67.19	1,277.76	1,338.87	590.50	547.82	42.68	13.834 ES		
3,700.00	3,206.55	3,074.33	3,018.27	34.87	13.35	-71.65	1,296.60	1,336.07	593.68	548.90	44.77	13.260		
3,800.00	3,285.53	3,162.81	3,104.12	36.16	13.80	-76.43	1,317.97	1,334.64	602.25	555.41	46.84	12.857		
3,900.00	3,364.52	3,253.22	3,191.94	37.45	14.26	-81.02	1,339.44	1,335.73	614.65	565.88	48.76	12.604		
4,000.00	3,443.51	3,335.85	3,272.16	38.74	14.67	-84.98	1,359.14	1,337.94	630.99	580.59	50.41	12.518		
4,100.00	3,522.50	3,407.55	3,341.54	40.04	15.04	-88.23	1,377.07	1,339.98	652.12	600.41	51.71	12.611		
4,200.00	3,601.49	3,474.00	3,405.82	41.33	15.39	-91.36	1,393.76	1,338.01	679.57	626.85	52.73	12.888		
4,300.00	3,680.47	3,544.79	3,474.26	42.63	15.77	-94.68	1,411.24	1,333.32	712.39	658.75	53.64	13.280		
4,400.00	3,759.46	3,612.89	3,540.14	43.92	16.14	-97.73	1,427.69	1,328.14	749.05	694.69	54.36	13.779		
4,500.00	3,838.45	3,675.64	3,600.69	45.22	16.48	-100.48	1,442.66	1,321.37	790.52	735.69	54.83	14.417		
4,600.00	3,917.44	3,748.86	3,671.42	46.51	16.87	-103.61	1,458.86	1,311.59	835.62	780.21	55.41	15.081		
4,700.00	3,996.43	3,829.43	3,749.37	47.81	17.29	-106.86	1,475.77	1,300.24	883.35	827.28	56.07	15.755		
4,800.00	4,075.42	3,919.40	3,836.50	49.10	17.77	-110.07	1,495.31	1,289.22	932.51	875.59	56.92	16.383		
4,900.00	4,154.40	4,026.76	3,940.75	50.40	18.33	-113.44	1,518.75	1,278.94	981.80	923.70	58.11	16.897		
5,000.00	4,233.39	4,098.55	4,010.30	51.70	18.72	-115.35	1,535.91	1,274.22	1,031.25	972.58	58.67	17.577		

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-20-01
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-20-01	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	4,312.38	4,163.62	4,072.69	52.99	19.09	-116.82	1,553.93	1,270.27	1,082.81	1,023.64	59.17	18.299		
5,200.00	4,391.37	4,231.00	4,136.58	54.29	19.50	-118.12	1,574.97	1,266.23	1,136.32	1,076.53	59.80	19.004		
5,300.00	4,470.36	4,306.69	4,207.86	55.59	19.98	-119.39	1,600.00	1,261.74	1,191.03	1,130.37	60.66	19.635		
5,400.00	4,549.34	4,366.52	4,263.89	56.89	20.37	-120.27	1,620.68	1,258.21	1,246.70	1,185.49	61.21	20.367		
5,500.00	4,628.33	4,419.00	4,311.98	58.18	20.73	-120.87	1,641.45	1,255.10	1,304.33	1,242.68	61.66	21.155		
5,600.00	4,707.32	4,472.67	4,360.57	59.48	21.12	-121.39	1,663.92	1,251.29	1,363.75	1,301.58	62.18	21.933		
5,700.00	4,786.31	4,514.00	4,397.97	60.78	21.42	-121.79	1,681.10	1,247.54	1,424.92	1,362.54	62.38	22.843		
5,800.00	4,865.30	4,572.96	4,451.00	62.08	21.87	-122.32	1,706.09	1,241.19	1,487.59	1,424.52	63.07	23.586		
5,900.00	4,944.28	4,609.00	4,483.10	63.38	22.15	-122.61	1,721.87	1,236.85	1,551.91	1,488.74	63.16	24.570		
6,000.00	5,023.27	4,675.25	4,541.47	64.68	22.68	-123.07	1,752.00	1,228.23	1,617.29	1,553.15	64.14	25.216		
6,100.00	5,102.26	4,725.59	4,585.30	65.97	23.10	-123.36	1,775.74	1,221.21	1,683.85	1,619.15	64.70	26.026		
6,200.00	5,181.25	4,773.02	4,626.55	67.27	23.49	-123.64	1,797.96	1,213.82	1,751.55	1,686.36	65.19	26.868		
6,300.00	5,260.24	4,824.58	4,671.39	68.57	23.92	-123.95	1,821.78	1,204.91	1,820.32	1,754.52	65.81	27.662		
6,400.00	5,339.23	4,881.55	4,720.97	69.87	24.40	-124.29	1,847.84	1,194.49	1,889.77	1,823.20	66.58	28.384		
6,500.00	5,418.21	5,156.75	4,960.80	71.17	26.71	-125.38	1,977.93	1,160.98	1,954.09	1,880.89	73.20	26.695		
6,600.00	5,497.20	5,218.09	5,014.18	72.47	27.22	-125.53	2,007.81	1,156.49	2,016.37	1,942.19	74.18	27.182		
6,700.00	5,576.19	5,285.03	5,072.39	73.77	27.79	-125.69	2,040.37	1,150.87	2,079.41	2,004.11	75.31	27.613		
6,800.00	5,655.18	5,391.28	5,164.85	75.07	28.69	-125.91	2,092.23	1,143.60	2,141.16	2,063.73	77.43	27.653		
6,900.00	5,734.17	5,428.24	5,197.01	76.37	29.00	-125.99	2,110.19	1,140.64	2,203.94	2,126.12	77.82	28.320		
7,000.00	5,813.15	5,884.04	7,251.26	77.67	67.89	-103.77	3,251.09	3,267.12	2,188.05	2,089.75	98.30	22.260		
7,100.00	5,892.14	9,928.13	7,251.37	78.97	68.91	-102.76	3,251.64	3,311.20	2,115.32	2,013.49	101.84	20.772		
7,200.00	5,971.13	9,970.25	7,251.51	80.27	69.89	-101.76	3,252.49	3,353.31	2,043.75	1,938.20	105.55	19.362		
7,300.00	6,050.12	10,024.15	7,251.73	81.57	71.15	-100.42	3,253.91	3,407.19	1,973.38	1,863.97	109.42	18.035		
7,400.00	6,129.11	10,090.79	7,251.94	82.86	72.72	-98.69	3,255.39	3,473.82	1,903.81	1,790.42	113.39	16.790		
7,500.00	6,208.09	10,156.82	7,252.21	84.16	74.29	-96.89	3,256.33	3,539.84	1,835.03	1,717.52	117.51	15.616		
7,600.00	6,287.08	10,230.31	7,252.65	85.46	76.04	-94.80	3,256.63	3,613.33	1,767.10	1,645.38	121.72	14.518		
7,700.00	6,366.07	10,300.59	7,252.97	86.76	77.73	-92.70	3,256.03	3,683.60	1,699.88	1,573.80	126.08	13.483		
7,800.00	6,445.06	10,360.64	7,253.22	88.06	79.18	-90.82	3,255.18	3,743.64	1,633.90	1,503.21	130.68	12.503		
7,900.00	6,524.05	10,417.19	7,253.43	89.36	80.55	-88.98	3,254.24	3,800.19	1,569.47	1,433.97	135.50	11.583		
8,000.00	6,603.03	10,472.53	7,253.61	90.66	81.89	-87.09	3,253.28	3,855.52	1,506.90	1,366.40	140.50	10.725		
8,100.00	6,682.02	10,524.97	7,253.82	91.96	83.17	-85.23	3,252.40	3,907.95	1,446.51	1,300.81	145.71	9.928		
8,133.44	6,708.44	10,542.57	7,253.90	92.40	83.61	-84.59	3,252.11	3,925.55	1,426.86	1,279.39	147.47	9.675		
8,150.00	6,721.39	10,551.48	7,253.95	92.62	83.82	-86.41	3,251.97	3,934.46	1,417.33	1,268.97	148.36	9.553		
8,200.00	6,758.90	10,584.09	7,254.12	93.34	84.63	-91.00	3,251.43	3,967.06	1,390.07	1,239.02	151.05	9.203		
8,250.00	6,793.76	10,621.77	7,254.33	94.13	85.55	-94.59	3,250.71	4,004.73	1,365.13	1,211.34	153.79	8.877		
8,300.00	6,825.72	10,662.72	7,254.55	95.00	86.56	-97.44	3,249.79	4,045.68	1,342.56	1,185.98	156.58	8.574		
8,350.00	6,854.52	10,706.31	7,254.73	95.93	87.64	-99.69	3,248.68	4,089.24	1,322.40	1,163.00	159.40	8.296		
8,400.00	6,879.97	10,752.50	7,254.84	96.92	88.79	-101.46	3,247.39	4,135.42	1,304.65	1,142.42	162.23	8.042		
8,450.00	6,901.84	10,790.85	7,254.90	97.95	89.74	-103.01	3,246.36	4,173.76	1,289.49	1,124.26	165.24	7.804		
8,500.00	6,920.00	10,831.60	7,254.96	99.02	90.76	-104.17	3,245.43	4,214.50	1,277.08	1,108.88	168.20	7.592		
8,550.00	6,934.28	10,872.82	7,255.01	100.12	91.79	-105.03	3,244.69	4,255.71	1,267.43	1,096.30	171.13	7.406		
8,600.00	6,944.59	10,914.70	7,255.02	101.22	92.84	-105.62	3,244.19	4,297.59	1,260.59	1,086.61	173.98	7.246		
8,650.00	6,950.84	10,957.95	7,254.99	102.33	93.93	-105.95	3,243.92	4,340.83	1,256.54	1,079.84	176.70	7.111		
8,698.69	6,953.00	11,001.21	7,254.99	103.39	95.02	-106.05	3,243.85	4,384.09	1,255.24	1,076.04	179.20	7.005		
8,701.16	6,953.00	11,003.41	7,255.00	103.44	95.07	-106.05	3,243.85	4,386.30	1,255.24	1,075.92	179.32	7.000		
8,800.00	6,953.00	11,098.43	7,255.15	105.59	97.48	-106.05	3,244.12	4,481.31	1,255.75	1,071.65	184.10	6.821		
8,900.00	6,953.00	11,199.68	7,255.39	107.79	100.05	-106.05	3,244.41	4,582.56	1,256.29	1,067.44	188.86	6.652		
9,000.00	6,953.00	11,301.06	7,255.65	110.02	102.64	-106.06	3,244.56	4,683.94	1,256.71	1,063.07	193.64	6.490		
9,100.00	6,953.00	11,407.54	7,255.89	112.26	105.37	-106.07	3,244.42	4,790.42	1,256.85	1,058.51	198.34	6.337		
9,200.00	6,953.00	11,518.08	7,255.94	114.52	108.20	-106.08	3,243.41	4,900.95	1,256.18	1,053.20	202.98	6.189		
9,300.00	6,953.00	11,614.53	7,255.86	116.80	110.69	-106.09	3,242.45	4,997.40	1,255.40	1,047.49	207.91	6.038		
9,400.00	6,953.00	11,720.18	7,255.83	119.10	113.41	-106.10	3,241.15	5,103.05	1,254.41	1,041.73	212.67	5.898		

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-20-01
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-20-01	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		
9,500.00	6,953.00	11,819.52	7,255.54	121.42	115.98	-106.10	3,239.83	5,202.38	1,253.25	1,035.66	217.59	5.760		
9,600.00	6,953.00	11,912.08	7,255.28	123.75	118.38	-106.10	3,238.80	5,294.93	1,252.32	1,029.66	222.66	5.624		
9,641.81	6,953.00	11,947.49	7,255.19	124.73	119.30	-106.10	3,238.66	5,330.34	1,252.22	1,027.36	224.85	5.569		
9,700.00	6,953.00	11,995.29	7,255.10	126.10	120.55	-106.09	3,238.77	5,378.14	1,252.44	1,024.51	227.93	5.495		
9,800.00	6,953.00	12,075.81	7,255.10	128.46	122.64	-106.07	3,239.99	5,458.64	1,254.09	1,020.87	233.21	5.377		
9,900.00	6,953.00	12,168.52	7,255.22	130.84	125.07	-106.05	3,242.35	5,551.32	1,256.77	1,018.45	238.31	5.274		
10,000.00	6,953.00	12,263.23	7,255.29	133.23	127.54	-106.01	3,245.23	5,645.99	1,259.92	1,016.52	243.39	5.176		
10,100.00	6,953.00	12,353.38	7,255.26	135.63	129.91	-105.96	3,248.60	5,736.08	1,263.70	1,015.15	248.55	5.084		
10,200.00	6,953.00	12,463.59	7,255.26	138.04	132.80	-105.91	3,252.78	5,846.21	1,267.56	1,014.08	253.48	5.001		
10,300.00	6,953.00	12,601.85	7,254.76	140.46	136.43	-105.85	3,255.51	5,984.43	1,269.63	1,011.67	257.95	4.922		
10,400.00	6,953.00	12,733.43	7,254.26	142.90	139.89	-105.84	3,253.93	6,116.01	1,268.53	1,006.21	262.32	4.836		
10,500.00	6,953.00	12,842.19	7,254.36	145.34	142.75	-105.88	3,250.83	6,224.72	1,266.01	998.93	267.09	4.740		
10,600.00	6,953.00	12,949.69	7,254.37	147.80	145.57	-105.93	3,247.15	6,332.15	1,262.93	991.06	271.87	4.645		
10,700.00	6,953.00	13,054.40	7,254.36	150.26	148.33	-105.98	3,242.76	6,436.77	1,259.09	982.38	276.71	4.550		
10,800.00	6,953.00	13,148.73	7,254.01	152.73	150.82	-106.01	3,239.14	6,531.03	1,255.50	973.63	281.87	4.454		
10,900.00	6,953.00	13,234.00	7,253.58	155.21	153.07	-106.02	3,236.37	6,616.26	1,252.48	965.21	287.27	4.360		
11,000.00	6,953.00	13,311.34	7,253.68	157.70	155.11	-106.04	3,235.27	6,693.59	1,251.31	958.49	292.82	4.273		
11,100.00	6,953.00	13,409.58	7,254.33	160.20	157.72	-106.07	3,234.48	6,791.82	1,250.92	953.06	297.86	4.200		
11,141.61	6,953.00	13,447.89	7,254.60	161.24	158.73	-106.09	3,234.27	6,830.13	1,250.87	950.85	300.02	4.169		
11,200.00	6,953.00	13,500.93	7,254.94	162.70	160.14	-106.10	3,234.17	6,883.17	1,250.98	947.92	303.06	4.128		
11,300.00	6,953.00	13,594.31	7,255.55	165.21	162.62	-106.12	3,234.66	6,976.55	1,251.86	943.64	308.22	4.062		
11,400.00	6,953.00	13,711.91	7,256.15	167.73	165.75	-106.15	3,234.13	7,094.14	1,251.71	938.78	312.92	4.000		
11,500.00	6,953.00	13,806.79	7,256.51	170.25	168.27	-106.17	3,233.64	7,189.02	1,251.52	933.44	318.08	3.935		
11,600.00	6,953.00	13,909.07	7,256.78	172.78	170.99	-106.18	3,233.30	7,291.30	1,251.48	928.37	323.10	3.873		
11,700.00	6,953.00	14,013.47	7,256.91	175.31	173.77	-106.19	3,232.55	7,395.69	1,251.03	922.94	328.09	3.813		
11,800.00	6,953.00	14,109.43	7,257.02	177.85	176.33	-106.21	3,231.81	7,491.65	1,250.52	917.27	333.25	3.753		
11,840.70	6,953.00	14,147.00	7,257.07	178.89	177.33	-106.21	3,231.67	7,529.22	1,250.47	915.09	335.38	3.728		
11,900.00	6,953.00	14,203.06	7,257.17	180.40	178.82	-106.21	3,231.60	7,585.28	1,250.55	912.08	338.47	3.695		
12,000.00	6,953.00	14,305.05	7,257.35	182.95	181.54	-106.22	3,231.65	7,687.28	1,250.85	907.32	343.53	3.641		
12,076.08	6,953.00	14,382.38	7,257.41	184.89	183.61	-106.22	3,231.45	7,764.60	1,250.84	903.45	347.38	3.601		
12,100.00	6,953.00	14,405.90	7,257.45	185.50	184.23	-106.22	3,231.40	7,788.12	1,250.84	902.23	348.61	3.588		
12,200.00	6,953.00	14,507.51	7,257.45	188.06	186.95	-106.22	3,231.18	7,889.73	1,250.84	897.15	353.69	3.537		
12,300.00	6,953.00	14,611.17	7,256.97	190.63	189.72	-106.20	3,230.85	7,993.38	1,250.60	891.83	358.77	3.486		
12,400.00	6,953.00	14,713.36	7,256.39	193.20	192.45	-106.18	3,230.29	8,095.58	1,250.12	886.24	363.89	3.435		
12,500.00	6,953.00	14,824.93	7,255.76	195.77	195.43	-106.17	3,228.91	8,207.13	1,248.97	880.19	368.78	3.387		
12,600.00	6,953.00	14,919.33	7,255.15	198.35	197.96	-106.16	3,227.67	8,301.52	1,247.73	873.67	374.06	3.336		
12,700.00	6,953.00	15,021.01	7,254.62	200.93	200.68	-106.14	3,226.53	8,403.20	1,246.71	867.53	379.18	3.288		
12,800.00	6,953.00	15,127.00	7,253.95	203.51	203.52	-106.13	3,224.77	8,509.17	1,245.13	860.94	384.19	3.241		
12,820.66	6,953.00	15,127.00	7,253.95	204.05	203.52	-106.13	3,224.77	8,509.17	1,244.96	859.25	385.71	3.228		
12,900.00	6,953.00	15,127.00	7,253.95	206.10	203.52	-106.13	3,224.77	8,509.17	1,247.48	856.88	390.60	3.194		
13,000.00	6,953.00	15,127.00	7,253.95	208.69	203.52	-106.13	3,224.77	8,509.17	1,257.81	863.22	394.59	3.188 SF		
13,100.00	6,953.00	15,127.00	7,253.95	211.29	203.52	-106.13	3,224.77	8,509.17	1,275.91	879.72	396.19	3.220		
13,200.00	6,953.00	15,127.00	7,253.95	213.88	203.52	-106.13	3,224.77	8,509.17	1,301.47	905.90	395.57	3.290		
13,300.00	6,953.00	15,127.00	7,253.95	216.48	203.52	-106.13	3,224.77	8,509.17	1,334.05	941.06	392.98	3.395		
13,400.00	6,953.00	15,127.00	7,253.95	219.09	203.52	-106.13	3,224.77	8,509.17	1,373.15	984.40	388.76	3.532		
13,500.00	6,953.00	15,127.00	7,253.95	221.69	203.52	-106.13	3,224.77	8,509.17	1,418.24	1,035.02	383.22	3.701		
13,600.00	6,953.00	15,127.00	7,253.95	224.30	203.52	-106.13	3,224.77	8,509.17	1,468.77	1,092.06	376.71	3.899		
13,700.00	6,953.00	15,127.00	7,253.95	226.92	203.52	-106.13	3,224.77	8,509.17	1,524.19	1,154.68	369.51	4.125		
13,800.00	6,953.00	15,127.00	7,253.95	229.53	203.52	-106.13	3,224.77	8,509.17	1,583.99	1,222.11	361.87	4.377		
13,900.00	6,953.00	15,127.00	7,253.95	232.15	203.52	-106.13	3,224.77	8,509.17	1,647.69	1,293.68	354.02	4.654		
14,000.00	6,953.00	15,127.00	7,253.95	234.77	203.52	-106.13	3,224.77	8,509.17	1,714.86	1,368.76	346.10	4.955		
14,100.00	6,953.00	15,127.00	7,253.95	237.39	203.52	-106.13	3,224.77	8,509.17	1,785.11	1,446.87	338.25	5.278		

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-20-01
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-20-01	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		
14,200.00	6,953.00	15,127.00	7,253.95	240.01	203.52	-106.13	3,224.77	8,509.17	1,858.09	1,527.54	330.55	5.621		
14,300.00	6,953.00	15,127.00	7,253.95	242.64	203.52	-106.13	3,224.77	8,509.17	1,933.48	1,610.41	323.08	5.985		
14,400.00	6,953.00	15,127.00	7,253.95	245.27	203.52	-106.13	3,224.77	8,509.17	2,011.02	1,695.16	315.87	6.367		
14,500.00	6,953.00	15,127.00	7,253.95	247.90	203.52	-106.13	3,224.77	8,509.17	2,090.48	1,781.53	308.95	6.766		
14,600.00	6,953.00	15,127.00	7,253.95	250.53	203.52	-106.13	3,224.77	8,509.17	2,171.63	1,869.29	302.34	7.183		
14,700.00	6,953.00	15,127.00	7,253.95	253.16	203.52	-106.13	3,224.77	8,509.17	2,254.29	1,958.25	296.04	7.615		
14,800.00	6,953.00	15,127.00	7,253.95	255.80	203.52	-106.13	3,224.77	8,509.17	2,338.31	2,048.26	290.05	8.062		
14,900.00	6,953.00	15,127.00	7,253.95	258.43	203.52	-106.13	3,224.77	8,509.17	2,423.54	2,139.18	284.36	8.523		
15,000.00	6,953.00	15,127.00	7,253.95	261.07	203.52	-106.13	3,224.77	8,509.17	2,509.87	2,230.90	278.96	8.997		
15,100.00	6,953.00	15,127.00	7,253.95	263.71	203.52	-106.13	3,224.77	8,509.17	2,597.17	2,323.32	273.85	9.484		
15,200.00	6,953.00	15,127.00	7,253.95	266.36	203.52	-106.13	3,224.77	8,509.17	2,685.36	2,416.36	269.00	9.983		
15,300.00	6,953.00	15,127.00	7,253.95	269.00	203.52	-106.13	3,224.77	8,509.17	2,774.35	2,509.94	264.41	10.493		
15,400.00	6,953.00	15,127.00	7,253.95	271.65	203.52	-106.13	3,224.77	8,509.17	2,864.07	2,604.01	260.06	11.013		
15,500.00	6,953.00	15,127.00	7,253.95	274.29	203.52	-106.13	3,224.77	8,509.17	2,954.45	2,698.52	255.93	11.544		
15,600.00	6,953.00	15,127.00	7,253.95	276.94	203.52	-106.13	3,224.77	8,509.17	3,045.43	2,793.41	252.02	12.084		
15,700.00	6,953.00	15,127.00	7,253.95	279.59	203.52	-106.13	3,224.77	8,509.17	3,136.96	2,888.65	248.31	12.633		
15,800.00	6,953.00	15,127.00	7,253.95	282.24	203.52	-106.13	3,224.77	8,509.17	3,228.99	2,984.20	244.79	13.191		
15,900.00	6,953.00	15,127.00	7,253.95	284.90	203.52	-106.13	3,224.77	8,509.17	3,321.48	3,080.04	241.44	13.757		
16,000.00	6,953.00	15,127.00	7,253.95	287.55	203.52	-106.13	3,224.77	8,509.17	3,414.40	3,176.13	238.26	14.330		
16,100.00	6,953.00	15,127.00	7,253.95	290.20	203.52	-106.13	3,224.77	8,509.17	3,507.70	3,272.46	235.24	14.911		
16,200.00	6,953.00	15,127.00	7,253.95	292.86	203.52	-106.13	3,224.77	8,509.17	3,601.36	3,369.00	232.37	15.499		
16,300.00	6,953.00	15,127.00	7,253.95	295.52	203.52	-106.13	3,224.77	8,509.17	3,695.36	3,465.73	229.63	16.093		
16,400.00	6,953.00	15,127.00	7,253.95	298.18	203.52	-106.13	3,224.77	8,509.17	3,789.67	3,562.64	227.02	16.693		
16,500.00	6,953.00	15,127.00	7,253.95	300.84	203.52	-106.13	3,224.77	8,509.17	3,884.25	3,659.72	224.54	17.299		
16,600.00	6,953.00	15,127.00	7,253.95	303.50	203.52	-106.13	3,224.77	8,509.17	3,979.11	3,756.94	222.16	17.911		
16,700.00	6,953.00	15,127.00	7,253.95	306.16	203.52	-106.13	3,224.77	8,509.17	4,074.21	3,854.31	219.90	18.528		
16,800.00	6,953.00	15,127.00	7,253.95	308.82	203.52	-106.13	3,224.77	8,509.17	4,169.54	3,951.80	217.74	19.150		
16,900.00	6,953.00	15,127.00	7,253.95	311.49	203.52	-106.13	3,224.77	8,509.17	4,265.08	4,049.41	215.67	19.776		
17,000.00	6,953.00	15,127.00	7,253.95	314.15	203.52	-106.13	3,224.77	8,509.17	4,360.82	4,147.13	213.69	20.407		
17,100.00	6,953.00	15,127.00	7,253.95	316.82	203.52	-106.13	3,224.77	8,509.17	4,456.75	4,244.96	211.79	21.043		
17,200.00	6,953.00	15,127.00	7,253.95	319.48	203.52	-106.13	3,224.77	8,509.17	4,552.86	4,342.88	209.98	21.682		
17,300.00	6,953.00	15,127.00	7,253.95	322.15	203.52	-106.13	3,224.77	8,509.17	4,649.13	4,440.88	208.24	22.326		
17,400.00	6,953.00	15,127.00	7,253.95	324.82	203.52	-106.13	3,224.77	8,509.17	4,745.55	4,538.98	206.57	22.973		
17,500.00	6,953.00	15,127.00	7,253.95	327.49	203.52	-106.13	3,224.77	8,509.17	4,842.12	4,637.14	204.97	23.623		
17,600.00	6,953.00	15,127.00	7,253.95	330.16	203.52	-106.13	3,224.77	8,509.17	4,938.82	4,735.39	203.44	24.277		
17,700.00	6,953.00	15,127.00	7,253.95	332.83	203.52	-106.13	3,224.77	8,509.17	5,035.66	4,833.70	201.96	24.934		
17,800.00	6,953.00	15,127.00	7,253.95	335.50	203.52	-106.13	3,224.77	8,509.17	5,132.61	4,932.07	200.54	25.594		
17,900.00	6,953.00	15,127.00	7,253.95	338.17	203.52	-106.13	3,224.77	8,509.17	5,229.68	5,030.50	199.18	26.256		
18,000.00	6,953.00	15,127.00	7,253.95	340.85	203.52	-106.13	3,224.77	8,509.17	5,326.86	5,128.99	197.87	26.922		
18,100.00	6,953.00	15,127.00	7,253.95	343.52	203.52	-106.13	3,224.77	8,509.17	5,424.14	5,227.54	196.60	27.590		
18,200.00	6,953.00	15,127.00	7,253.95	346.19	203.52	-106.13	3,224.77	8,509.17	5,521.52	5,326.14	195.38	28.260		
18,300.00	6,953.00	15,127.00	7,253.95	348.87	203.52	-106.13	3,224.77	8,509.17	5,618.99	5,424.78	194.21	28.932		
18,400.00	6,953.00	15,127.00	7,253.95	351.55	203.52	-106.13	3,224.77	8,509.17	5,716.55	5,523.47	193.08	29.607		
18,500.00	6,953.00	15,127.00	7,253.95	354.22	203.52	-106.13	3,224.77	8,509.17	5,814.19	5,622.20	191.99	30.284		
18,600.00	6,953.00	15,127.00	7,253.95	356.90	203.52	-106.13	3,224.77	8,509.17	5,911.91	5,720.97	190.94	30.963		
18,700.00	6,953.00	15,127.00	7,253.95	359.58	203.52	-106.13	3,224.77	8,509.17	6,009.70	5,819.78	189.92	31.644		
18,800.00	6,953.00	15,127.00	7,253.95	362.26	203.52	-106.13	3,224.77	8,509.17	6,107.57	5,918.63	188.94	32.326		
18,900.00	6,953.00	15,127.00	7,253.95	364.94	203.52	-106.13	3,224.77	8,509.17	6,205.50	6,017.51	187.99	33.010		
19,000.00	6,953.00	15,127.00	7,253.95	367.62	203.52	-106.13	3,224.77	8,509.17	6,303.50	6,116.43	187.07	33.696		
19,073.74	6,953.00	15,127.00	7,253.95	369.59	203.52	-106.13	3,224.77	8,509.17	6,375.81	6,189.39	186.41	34.202		

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-20-01
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-20-01	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		
100.00	100.00	53.00	53.00	0.27	0.09	106.91	-390.49	1,284.78	1,342.81	1,342.45	0.35	3,789.504		
200.00	199.98	152.98	152.98	0.63	0.35	43.53	-390.49	1,284.78	1,341.54	1,340.57	0.98	1,374.136		
300.00	299.84	252.84	252.84	0.99	0.71	43.74	-390.49	1,284.78	1,337.75	1,336.06	1.70	788.689		
400.00	399.45	352.45	352.45	1.36	1.07	44.09	-390.49	1,284.78	1,331.46	1,329.04	2.42	549.589		
500.00	498.70	451.70	451.70	1.76	1.42	44.58	-390.49	1,284.78	1,322.71	1,319.55	3.16	418.843		
600.00	597.47	550.47	550.47	2.18	1.78	45.21	-390.49	1,284.78	1,311.56	1,307.66	3.91	335.813		
700.00	695.62	648.62	648.62	2.63	2.13	46.00	-390.49	1,284.78	1,298.09	1,293.42	4.67	277.997		
800.00	793.06	746.06	746.06	3.11	2.48	46.94	-390.49	1,284.78	1,282.38	1,276.93	5.45	235.135		
900.00	889.64	842.64	842.64	3.64	2.82	48.05	-390.49	1,284.78	1,264.57	1,258.30	6.26	201.887		
1,000.00	985.27	938.27	938.27	4.22	3.17	49.33	-390.49	1,284.78	1,244.78	1,237.68	7.10	175.203		
1,100.00	1,079.82	1,032.82	1,032.82	4.84	3.51	50.80	-390.49	1,284.78	1,223.20	1,215.22	7.98	153.221		
1,200.00	1,173.17	1,126.17	1,126.17	5.52	3.84	52.44	-390.49	1,284.78	1,200.01	1,191.11	8.91	134.742		
1,300.00	1,265.21	1,218.21	1,218.21	6.26	4.17	54.29	-390.49	1,284.78	1,175.46	1,165.58	9.88	118.963		
1,400.00	1,355.84	1,308.84	1,308.84	7.06	4.49	56.33	-390.49	1,284.78	1,149.80	1,138.89	10.92	105.331		
1,500.00	1,444.94	1,397.94	1,397.94	7.92	4.81	58.57	-390.49	1,284.78	1,123.36	1,111.34	12.02	93.453		
1,600.00	1,532.39	1,485.39	1,485.39	8.84	5.13	61.02	-390.49	1,284.78	1,096.50	1,083.30	13.20	83.047		
1,700.00	1,618.11	1,571.11	1,571.11	9.83	5.43	63.66	-390.49	1,284.78	1,069.63	1,055.16	14.47	73.904		
1,800.00	1,701.97	1,654.97	1,654.97	10.89	5.74	66.48	-390.49	1,284.78	1,043.23	1,027.39	15.84	65.870		
1,900.00	1,783.88	1,736.88	1,736.88	12.02	6.03	69.47	-390.49	1,284.78	1,017.84	1,000.54	17.30	58.827		
1,991.28	1,856.86	1,809.86	1,809.86	13.11	6.29	72.32	-390.49	1,284.78	996.06	977.33	18.73	53.185		
2,000.00	1,863.75	1,816.75	1,816.75	13.21	6.32	72.56	-390.49	1,284.78	994.07	975.21	18.87	52.684		
2,100.00	1,942.74	1,895.74	1,895.74	14.45	6.60	75.34	-390.49	1,284.78	973.08	952.58	20.50	47.462		
2,200.00	2,021.72	1,974.72	1,974.72	15.69	6.88	78.18	-390.49	1,284.78	955.57	933.41	22.17	43.107		
2,300.00	2,100.71	2,053.71	2,053.71	16.95	7.16	81.09	-390.49	1,284.78	941.74	917.89	23.85	39.493		
2,400.00	2,179.70	2,132.70	2,132.70	18.21	7.45	84.04	-390.49	1,284.78	931.74	906.23	25.52	36.516		
2,500.00	2,258.69	2,211.69	2,211.69	19.47	7.73	87.03	-390.49	1,284.78	925.71	898.55	27.16	34.084		
2,598.97	2,336.86	2,289.86	2,289.86	20.73	8.01	90.00	-390.49	1,284.78	923.72	894.98	28.74	32.141 CC		
2,600.00	2,337.68	2,290.68	2,290.68	20.74	8.01	90.03	-390.49	1,284.78	923.72	894.96	28.76	32.123 ES		
2,700.00	2,416.66	2,369.66	2,369.66	22.02	8.30	93.03	-390.49	1,284.78	925.79	895.51	30.29	30.568		
2,800.00	2,495.65	2,448.65	2,448.65	23.29	8.58	96.02	-390.49	1,284.78	931.91	900.17	31.74	29.362		
2,900.00	2,574.64	2,527.64	2,527.64	24.57	8.86	98.97	-390.49	1,284.78	941.99	908.88	33.10	28.457		
3,000.00	2,653.63	2,606.63	2,606.63	25.85	9.15	101.88	-390.49	1,284.78	955.90	921.53	34.37	27.813		
3,100.00	2,732.62	2,685.62	2,685.62	27.14	9.43	104.72	-390.49	1,284.78	973.48	937.94	35.54	27.393		
3,200.00	2,811.61	2,764.61	2,764.61	28.42	9.71	107.49	-390.49	1,284.78	994.54	957.93	36.61	27.165		
3,300.00	2,890.59	2,843.59	2,843.59	29.71	10.00	110.18	-390.49	1,284.78	1,018.86	981.27	37.59	27.102 SF		
3,400.00	2,969.58	2,922.58	2,922.58	31.00	10.28	112.79	-390.49	1,284.78	1,046.22	1,007.73	38.49	27.180		
3,500.00	3,048.57	3,001.57	3,001.57	32.29	10.56	115.29	-390.49	1,284.78	1,076.38	1,037.06	39.31	27.379		
3,600.00	3,127.56	3,080.56	3,080.56	33.58	10.85	117.70	-390.49	1,284.78	1,109.11	1,069.04	40.07	27.679		
3,700.00	3,206.55	3,159.55	3,159.55	34.87	11.13	120.00	-390.49	1,284.78	1,144.19	1,103.42	40.77	28.065		
3,800.00	3,285.53	3,238.53	3,238.53	36.16	11.41	122.20	-390.49	1,284.78	1,181.42	1,140.00	41.42	28.523		
3,900.00	3,364.52	3,317.52	3,317.52	37.45	11.70	124.30	-390.49	1,284.78	1,220.60	1,178.57	42.03	29.041		
4,000.00	3,443.51	3,396.51	3,396.51	38.74	11.98	126.31	-390.49	1,284.78	1,261.54	1,218.93	42.61	29.608		
4,100.00	3,522.50	3,475.50	3,475.50	40.04	12.26	128.21	-390.49	1,284.78	1,304.08	1,260.92	43.16	30.215		
4,200.00	3,601.49	3,554.49	3,554.49	41.33	12.54	130.02	-390.49	1,284.78	1,348.07	1,304.38	43.69	30.854		
4,300.00	3,680.47	3,633.47	3,633.47	42.63	12.83	131.73	-390.49	1,284.78	1,393.37	1,349.16	44.21	31.519		
4,400.00	3,759.46	3,712.46	3,712.46	43.92	13.11	133.36	-390.49	1,284.78	1,439.85	1,395.14	44.71	32.203		
4,500.00	3,838.45	3,791.45	3,791.45	45.22	13.39	134.91	-390.49	1,284.78	1,487.42	1,442.21	45.21	32.901		
4,600.00	3,917.44	3,870.44	3,870.44	46.51	13.68	136.38	-390.49	1,284.78	1,535.96	1,490.26	45.70	33.610		
4,700.00	3,996.43	3,949.43	3,949.43	47.81	13.96	137.77	-390.49	1,284.78	1,585.38	1,539.19	46.19	34.324		
4,800.00	4,075.42	4,028.42	4,028.42	49.10	14.24	139.10	-390.49	1,284.78	1,635.61	1,588.94	46.68	35.041		
4,900.00	4,154.40	4,107.40	4,107.40	50.40	14.53	140.35	-390.49	1,284.78	1,686.58	1,639.41	47.17	35.758		
5,000.00	4,233.39	4,186.39	4,186.39	51.70	14.81	141.54	-390.49	1,284.78	1,738.21	1,690.56	47.66	36.473		

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-20-01
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-20-01	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	4,312.38	4,265.38	4,265.38	52.99	15.09	142.68	-390.49	1,284.78	1,790.46	1,742.31	48.15	37.184		
5,200.00	4,391.37	4,344.37	4,344.37	54.29	15.38	143.75	-390.49	1,284.78	1,843.27	1,794.62	48.65	37.888		
5,300.00	4,470.36	4,423.36	4,423.36	55.59	15.66	144.78	-390.49	1,284.78	1,896.59	1,847.43	49.15	38.585		
5,400.00	4,549.34	4,502.34	4,502.34	56.89	15.94	145.75	-390.49	1,284.78	1,950.37	1,900.71	49.66	39.274		
5,500.00	4,628.33	4,581.33	4,581.33	58.18	16.23	146.68	-390.49	1,284.78	2,004.60	1,954.42	50.17	39.953		
5,600.00	4,707.32	4,660.32	4,660.32	59.48	16.51	147.57	-390.49	1,284.78	2,059.22	2,008.53	50.69	40.622		
5,700.00	4,786.31	4,739.31	4,739.31	60.78	16.79	148.41	-390.49	1,284.78	2,114.21	2,062.99	51.22	41.280		
5,800.00	4,865.30	4,818.30	4,818.30	62.08	17.08	149.22	-390.49	1,284.78	2,169.54	2,117.79	51.75	41.927		
5,900.00	4,944.28	4,897.28	4,897.28	63.38	17.36	149.99	-390.49	1,284.78	2,225.18	2,172.90	52.28	42.562		
6,000.00	5,023.27	4,976.27	4,976.27	64.68	17.64	150.72	-390.49	1,284.78	2,281.11	2,228.29	52.82	43.185		
6,100.00	5,102.26	5,055.26	5,055.26	65.97	17.92	151.42	-390.49	1,284.78	2,337.32	2,283.95	53.37	43.795		
6,200.00	5,181.25	5,134.25	5,134.25	67.27	18.21	152.10	-390.49	1,284.78	2,393.77	2,339.85	53.92	44.393		
6,300.00	5,260.24	5,213.24	5,213.24	68.57	18.49	152.74	-390.49	1,284.78	2,450.46	2,395.98	54.48	44.979		
6,400.00	5,339.23	5,292.23	5,292.23	69.87	18.77	153.36	-390.49	1,284.78	2,507.37	2,452.33	55.04	45.552		
6,500.00	5,418.21	5,371.21	5,371.21	71.17	19.06	153.95	-390.49	1,284.78	2,564.48	2,508.87	55.61	46.113		
6,600.00	5,497.20	5,450.20	5,450.20	72.47	19.34	154.52	-390.49	1,284.78	2,621.79	2,565.60	56.19	46.662		
6,700.00	5,576.19	5,529.19	5,529.19	73.77	19.62	155.06	-390.49	1,284.78	2,679.27	2,622.50	56.77	47.198		
6,800.00	5,655.18	5,608.18	5,608.18	75.07	19.91	155.59	-390.49	1,284.78	2,736.92	2,679.57	57.35	47.723		
6,900.00	5,734.17	5,687.17	5,687.17	76.37	20.19	156.09	-390.49	1,284.78	2,794.72	2,736.78	57.94	48.235		
7,000.00	5,813.15	5,766.15	5,766.15	77.67	20.47	156.57	-390.49	1,284.78	2,852.67	2,794.14	58.53	48.736		
7,100.00	5,892.14	5,845.14	5,845.14	78.97	20.76	157.04	-390.49	1,284.78	2,910.76	2,851.63	59.13	49.225		
7,200.00	5,971.13	5,924.13	5,924.13	80.27	21.04	157.49	-390.49	1,284.78	2,968.98	2,909.25	59.73	49.704		
7,300.00	6,050.12	6,003.12	6,003.12	81.57	21.32	157.92	-390.49	1,284.78	3,027.32	2,966.98	60.34	50.171		
7,400.00	6,129.11	6,082.11	6,082.11	82.86	21.61	158.34	-390.49	1,284.78	3,085.78	3,024.83	60.95	50.627		
7,500.00	6,208.09	6,161.09	6,161.09	84.16	21.89	158.74	-390.49	1,284.78	3,144.35	3,082.78	61.57	51.072		
7,600.00	6,287.08	6,240.08	6,240.08	85.46	22.17	159.13	-390.49	1,284.78	3,203.02	3,140.83	62.19	51.507		
7,700.00	6,366.07	6,319.07	6,319.07	86.76	22.45	159.50	-390.49	1,284.78	3,261.79	3,198.98	62.81	51.933		
7,800.00	6,445.06	6,398.06	6,398.06	88.06	22.74	159.86	-390.49	1,284.78	3,320.65	3,257.21	63.43	52.348		
7,900.00	6,524.05	6,477.05	6,477.05	89.36	23.02	160.21	-390.49	1,284.78	3,379.60	3,315.53	64.06	52.753		
8,000.00	6,603.03	6,556.03	6,556.03	90.66	23.30	160.55	-390.49	1,284.78	3,438.63	3,373.93	64.70	53.149		
8,100.00	6,682.02	6,635.02	6,635.02	91.96	23.59	160.88	-390.49	1,284.78	3,497.74	3,432.41	65.33	53.536		
8,133.44	6,708.44	6,661.44	6,661.44	92.40	23.68	160.99	-390.49	1,284.78	3,517.53	3,451.98	65.55	53.664		
8,150.00	6,721.39	6,674.39	6,674.39	92.62	23.73	158.97	-390.49	1,284.78	3,527.44	3,461.79	65.65	53.728		
8,200.00	6,758.90	6,711.90	6,711.90	93.34	23.86	153.09	-390.49	1,284.78	3,558.79	3,492.82	65.97	53.948		
8,250.00	6,793.76	6,746.76	6,746.76	94.13	23.99	147.37	-390.49	1,284.78	3,592.05	3,525.79	66.27	54.204		
8,300.00	6,825.72	6,778.72	6,778.72	95.00	24.10	141.63	-390.49	1,284.78	3,627.03	3,560.47	66.56	54.495		
8,350.00	6,854.52	6,807.52	6,807.52	95.93	24.21	135.73	-390.49	1,284.78	3,663.47	3,596.65	66.83	54.821		
8,400.00	6,879.97	6,832.97	6,832.97	96.92	24.30	129.60	-390.49	1,284.78	3,701.15	3,634.07	67.07	55.180		
8,450.00	6,901.84	6,854.84	6,854.84	97.95	24.38	123.20	-390.49	1,284.78	3,739.81	3,672.51	67.30	55.571		
8,500.00	6,920.00	6,873.00	6,873.00	99.02	24.44	116.57	-390.49	1,284.78	3,779.19	3,711.70	67.49	55.995		
8,550.00	6,934.28	6,887.28	6,887.28	100.12	24.49	109.78	-390.49	1,284.78	3,819.04	3,751.38	67.66	56.448		
8,600.00	6,944.59	6,897.59	6,897.59	101.22	24.53	103.00	-390.49	1,284.78	3,859.07	3,791.29	67.78	56.931		
8,650.00	6,950.84	6,903.84	6,903.84	102.33	24.55	96.39	-390.49	1,284.78	3,899.03	3,831.15	67.88	57.442		
8,701.16	6,953.00	6,906.00	6,906.00	103.44	24.56	90.00	-390.49	1,284.78	3,939.54	3,871.61	67.93	57.992		
8,800.00	6,953.00	6,906.00	6,906.00	105.59	24.56	90.00	-390.49	1,284.78	4,017.71	3,949.71	68.01	59.080		
8,900.00	6,953.00	6,906.00	6,906.00	107.79	24.56	90.00	-390.49	1,284.78	4,097.71	4,029.63	68.08	60.187		
9,000.00	6,953.00	6,906.00	6,906.00	110.02	24.56	90.00	-390.49	1,284.78	4,178.57	4,110.41	68.16	61.301		
9,100.00	6,953.00	6,906.00	6,906.00	112.26	24.56	90.00	-390.49	1,284.78	4,260.24	4,192.00	68.25	62.423		
9,200.00	6,953.00	6,906.00	6,906.00	114.52	24.56	90.00	-390.49	1,284.78	4,342.68	4,274.35	68.33	63.551		
9,300.00	6,953.00	6,906.00	6,906.00	116.80	24.56	90.00	-390.49	1,284.78	4,425.85	4,357.42	68.42	64.684		
9,400.00	6,953.00	6,906.00	6,906.00	119.10	24.56	90.00	-390.49	1,284.78	4,509.69	4,441.18	68.51	65.824		
9,500.00	6,953.00	6,906.00	6,906.00	121.42	24.56	90.00	-390.49	1,284.78	4,594.19	4,525.58	68.60	66.968		

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-20-01
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-20-01	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		
9,600.00	6,953.00	6,906.00	6,906.00	123.75	24.56	90.00	-390.49	1,284.78	4,679.29	4,610.60	68.69	68.118		
9,700.00	6,953.00	6,906.00	6,906.00	126.10	24.56	90.00	-390.49	1,284.78	4,764.98	4,696.19	68.79	69.272		
9,800.00	6,953.00	6,906.00	6,906.00	128.46	24.56	90.00	-390.49	1,284.78	4,851.21	4,782.33	68.88	70.431		
9,900.00	6,953.00	6,906.00	6,906.00	130.84	24.56	90.00	-390.49	1,284.78	4,937.96	4,868.99	68.97	71.594		
10,000.00	6,953.00	6,906.00	6,906.00	133.23	24.56	90.00	-390.49	1,284.78	5,025.20	4,956.14	69.07	72.760		
10,100.00	6,953.00	6,906.00	6,906.00	135.63	24.56	90.00	-390.49	1,284.78	5,112.91	5,043.75	69.16	73.931		
10,200.00	6,953.00	6,906.00	6,906.00	138.04	24.56	90.00	-390.49	1,284.78	5,201.07	5,131.81	69.25	75.104		
10,300.00	6,953.00	6,906.00	6,906.00	140.46	24.56	90.00	-390.49	1,284.78	5,289.64	5,220.30	69.34	76.280		
10,400.00	6,953.00	6,906.00	6,906.00	142.90	24.56	90.00	-390.49	1,284.78	5,378.62	5,309.18	69.44	77.460		
10,500.00	6,953.00	6,906.00	6,906.00	145.34	24.56	90.00	-390.49	1,284.78	5,467.97	5,398.44	69.53	78.642		
10,600.00	6,953.00	6,906.00	6,906.00	147.80	24.56	90.00	-390.49	1,284.78	5,557.69	5,488.07	69.62	79.826		
10,700.00	6,953.00	6,906.00	6,906.00	150.26	24.56	90.00	-390.49	1,284.78	5,647.76	5,578.05	69.71	81.013		
10,800.00	6,953.00	6,906.00	6,906.00	152.73	24.56	90.00	-390.49	1,284.78	5,738.15	5,668.35	69.81	82.202		
10,900.00	6,953.00	6,906.00	6,906.00	155.21	24.56	90.00	-390.49	1,284.78	5,828.86	5,758.96	69.90	83.393		
11,000.00	6,953.00	6,906.00	6,906.00	157.70	24.56	90.00	-390.49	1,284.78	5,919.87	5,849.88	69.99	84.585		
11,100.00	6,953.00	6,906.00	6,906.00	160.20	24.56	90.00	-390.49	1,284.78	6,011.16	5,941.08	70.08	85.779		
11,200.00	6,953.00	6,906.00	6,906.00	162.70	24.56	90.00	-390.49	1,284.78	6,102.73	6,032.56	70.17	86.975		
11,300.00	6,953.00	6,906.00	6,906.00	165.21	24.56	90.00	-390.49	1,284.78	6,194.55	6,124.30	70.26	88.172		
11,400.00	6,953.00	6,906.00	6,906.00	167.73	24.56	90.00	-390.49	1,284.78	6,286.63	6,216.29	70.34	89.369		
11,500.00	6,953.00	6,906.00	6,906.00	170.25	24.56	90.00	-390.49	1,284.78	6,378.95	6,308.51	70.43	90.568		
11,600.00	6,953.00	6,906.00	6,906.00	172.78	24.56	90.00	-390.49	1,284.78	6,471.49	6,400.97	70.52	91.768		
11,700.00	6,953.00	6,906.00	6,906.00	175.31	24.56	90.00	-390.49	1,284.78	6,564.25	6,493.64	70.61	92.969		
11,800.00	6,953.00	6,906.00	6,906.00	177.85	24.56	90.00	-390.49	1,284.78	6,657.22	6,586.53	70.69	94.170		
11,900.00	6,953.00	6,906.00	6,906.00	180.40	24.56	90.00	-390.49	1,284.78	6,750.39	6,679.61	70.78	95.372		
12,000.00	6,953.00	6,906.00	6,906.00	182.95	24.56	90.00	-390.49	1,284.78	6,843.76	6,772.89	70.86	96.575		
12,100.00	6,953.00	6,906.00	6,906.00	185.50	24.56	90.00	-390.49	1,284.78	6,937.31	6,866.36	70.95	97.777		
12,200.00	6,953.00	6,906.00	6,906.00	188.06	24.56	90.00	-390.49	1,284.78	7,031.04	6,960.00	71.03	98.980		
12,300.00	6,953.00	6,906.00	6,906.00	190.63	24.56	90.00	-390.49	1,284.78	7,124.93	7,053.82	71.12	100.183		
12,400.00	6,953.00	6,906.00	6,906.00	193.20	24.56	90.00	-390.49	1,284.78	7,219.00	7,147.79	71.20	101.386		
12,500.00	6,953.00	6,906.00	6,906.00	195.77	24.56	90.00	-390.49	1,284.78	7,313.22	7,241.93	71.29	102.589		
12,600.00	6,953.00	6,906.00	6,906.00	198.35	24.56	90.00	-390.49	1,284.78	7,407.59	7,336.22	71.37	103.792		
12,700.00	6,953.00	6,906.00	6,906.00	200.93	24.56	90.00	-390.49	1,284.78	7,502.10	7,430.65	71.45	104.995		
12,800.00	6,953.00	6,906.00	6,906.00	203.51	24.56	90.00	-390.49	1,284.78	7,596.76	7,525.23	71.53	106.198		
12,900.00	6,953.00	6,906.00	6,906.00	206.10	24.56	90.00	-390.49	1,284.78	7,691.55	7,619.94	71.62	107.400		
13,000.00	6,953.00	6,906.00	6,906.00	208.69	24.56	90.00	-390.49	1,284.78	7,786.48	7,714.78	71.70	108.601		
13,100.00	6,953.00	6,906.00	6,906.00	211.29	24.56	90.00	-390.49	1,284.78	7,881.53	7,809.75	71.78	109.802		
13,200.00	6,953.00	6,906.00	6,906.00	213.88	24.56	90.00	-390.49	1,284.78	7,976.70	7,904.84	71.86	111.003		
13,300.00	6,953.00	6,906.00	6,906.00	216.48	24.56	90.00	-390.49	1,284.78	8,071.98	8,000.04	71.94	112.203		
13,400.00	6,953.00	6,906.00	6,906.00	219.09	24.56	90.00	-390.49	1,284.78	8,167.38	8,095.36	72.02	113.402		
13,500.00	6,953.00	6,906.00	6,906.00	221.69	24.56	90.00	-390.49	1,284.78	8,262.89	8,190.79	72.10	114.601		
13,600.00	6,953.00	6,906.00	6,906.00	224.30	24.56	90.00	-390.49	1,284.78	8,358.50	8,286.32	72.18	115.798		
13,700.00	6,953.00	6,906.00	6,906.00	226.92	24.56	90.00	-390.49	1,284.78	8,454.22	8,381.95	72.26	116.995		
13,800.00	6,953.00	6,906.00	6,906.00	229.53	24.56	90.00	-390.49	1,284.78	8,550.03	8,477.69	72.34	118.191		
13,900.00	6,953.00	6,906.00	6,906.00	232.15	24.56	90.00	-390.49	1,284.78	8,645.94	8,573.52	72.42	119.386		
14,000.00	6,953.00	6,906.00	6,906.00	234.77	24.56	90.00	-390.49	1,284.78	8,741.94	8,669.44	72.50	120.580		
14,100.00	6,953.00	6,906.00	6,906.00	237.39	24.56	90.00	-390.49	1,284.78	8,838.02	8,765.44	72.58	121.772		
14,200.00	6,953.00	6,906.00	6,906.00	240.01	24.56	90.00	-390.49	1,284.78	8,934.20	8,861.54	72.66	122.964		
14,300.00	6,953.00	6,906.00	6,906.00	242.64	24.56	90.00	-390.49	1,284.78	9,030.45	8,957.72	72.74	124.154		
14,400.00	6,953.00	6,906.00	6,906.00	245.27	24.56	90.00	-390.49	1,284.78	9,126.79	9,053.98	72.81	125.343		
14,500.00	6,953.00	6,906.00	6,906.00	247.90	24.56	90.00	-390.49	1,284.78	9,223.21	9,150.31	72.89	126.531		
14,600.00	6,953.00	6,906.00	6,906.00	250.53	24.56	90.00	-390.49	1,284.78	9,319.70	9,246.73	72.97	127.718		
14,700.00	6,953.00	6,906.00	6,906.00	253.16	24.56	90.00	-390.49	1,284.78	9,416.26	9,343.21	73.05	128.903		

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-20-01
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-20-01	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	
14,800.00	6,953.00	6,906.00	6,906.00	255.80	24.56	90.00	-390.49	1,284.78	9,512.90	9,439.77	73.13	130.087	
14,900.00	6,953.00	6,906.00	6,906.00	258.43	24.56	90.00	-390.49	1,284.78	9,609.60	9,536.39	73.21	131.269	
15,000.00	6,953.00	6,906.00	6,906.00	261.07	24.56	90.00	-390.49	1,284.78	9,706.37	9,633.09	73.28	132.450	
15,100.00	6,953.00	6,906.00	6,906.00	263.71	24.56	90.00	-390.49	1,284.78	9,803.21	9,729.84	73.36	133.629	
15,200.00	6,953.00	6,906.00	6,906.00	266.36	24.56	90.00	-390.49	1,284.78	9,900.10	9,826.67	73.44	134.807	
15,300.00	6,953.00	6,906.00	6,906.00	269.00	24.56	90.00	-390.49	1,284.78	9,997.06	9,923.55	73.52	135.983	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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	-140.77	-212.01	-173.11	273.89					
100.00	100.00	90.00	90.00	0.27	0.15	-140.77	-212.01	-173.11	273.71	273.29	0.41	661.070	CC, ES	
200.00	199.98	189.98	189.98	0.63	0.48	155.93	-212.01	-173.11	275.30	274.19	1.11	248.020		
300.00	299.84	289.84	289.84	0.99	0.84	156.32	-212.01	-173.11	280.09	278.25	1.83	152.846		
400.00	399.45	389.45	389.45	1.36	1.20	156.96	-212.01	-173.11	288.09	285.53	2.56	112.577		
500.00	498.70	488.70	488.70	1.76	1.55	157.78	-212.01	-173.11	299.35	296.06	3.29	91.007		
600.00	597.47	587.47	587.47	2.18	1.91	158.75	-212.01	-173.11	313.91	309.89	4.02	78.024		
700.00	695.62	685.62	685.62	2.63	2.26	159.82	-212.01	-173.11	331.80	327.04	4.76	69.701		
800.00	793.06	783.06	783.06	3.11	2.61	160.94	-212.01	-173.11	353.05	347.55	5.50	64.190		
900.00	889.64	879.64	879.64	3.64	2.96	162.06	-212.01	-173.11	377.67	371.43	6.24	60.509		
1,000.00	985.27	975.27	975.27	4.22	3.30	163.16	-212.01	-173.11	405.68	398.70	6.98	58.085		
1,100.00	1,079.82	1,069.82	1,069.82	4.84	3.64	164.21	-212.01	-173.11	437.06	429.33	7.73	56.561		
1,200.00	1,173.17	1,163.17	1,163.17	5.52	3.97	165.20	-212.01	-173.11	471.78	463.31	8.47	55.705		
1,300.00	1,265.21	1,255.21	1,255.21	6.26	4.30	166.12	-212.01	-173.11	509.82	500.61	9.21	55.354	SF	
1,400.00	1,355.84	1,345.84	1,345.84	7.06	4.63	166.97	-212.01	-173.11	551.12	541.17	9.95	55.397		
1,500.00	1,444.94	1,434.94	1,434.94	7.92	4.95	167.74	-212.01	-173.11	595.63	584.95	10.68	55.751		
1,600.00	1,532.39	1,522.39	1,522.39	8.84	5.26	168.44	-212.01	-173.11	643.31	631.89	11.42	56.356		
1,700.00	1,618.11	1,608.11	1,608.11	9.83	5.57	169.06	-212.01	-173.11	694.08	681.94	12.14	57.166		
1,800.00	1,701.97	1,691.97	1,691.97	10.89	5.87	169.62	-212.01	-173.11	747.88	735.01	12.86	58.148		
1,900.00	1,783.88	1,773.88	1,773.88	12.02	6.16	170.12	-212.01	-173.11	804.63	791.05	13.57	59.274		
1,991.28	1,856.86	1,846.86	1,846.86	13.11	6.42	170.53	-212.01	-173.11	858.94	844.72	14.22	60.410		
2,000.00	1,863.75	1,853.75	1,853.75	13.21	6.45	170.58	-212.01	-173.11	864.25	849.96	14.28	60.505		
2,100.00	1,942.74	1,932.74	1,932.74	14.45	6.73	171.20	-212.01	-173.11	925.09	910.11	14.98	61.774		
2,200.00	2,021.72	2,011.72	2,011.72	15.69	7.01	171.75	-212.01	-173.11	985.99	970.32	15.67	62.921		
2,300.00	2,100.71	2,090.71	2,090.71	16.95	7.30	172.23	-212.01	-173.11	1,046.94	1,030.57	16.37	63.962		
2,400.00	2,179.70	2,169.70	2,169.70	18.21	7.58	172.65	-212.01	-173.11	1,107.93	1,090.86	17.07	64.911		
2,500.00	2,258.69	2,248.69	2,248.69	19.47	7.86	173.04	-212.01	-173.11	1,168.96	1,151.19	17.77	65.777		
2,600.00	2,337.68	2,327.68	2,327.68	20.74	8.15	173.38	-212.01	-173.11	1,230.02	1,211.54	18.48	66.571		
2,700.00	2,416.66	2,406.66	2,406.66	22.02	8.43	173.70	-212.01	-173.11	1,291.10	1,271.91	19.18	67.300		
2,800.00	2,495.65	2,485.65	2,485.65	23.29	8.71	173.98	-212.01	-173.11	1,352.20	1,332.31	19.89	67.973		
2,900.00	2,574.64	2,564.64	2,564.64	24.57	9.00	174.24	-212.01	-173.11	1,413.33	1,392.72	20.60	68.594		
3,000.00	2,653.63	2,643.63	2,643.63	25.85	9.28	174.48	-212.01	-173.11	1,474.47	1,453.15	21.32	69.170		
3,100.00	2,732.62	2,722.62	2,722.62	27.14	9.56	174.70	-212.01	-173.11	1,535.62	1,513.59	22.03	69.705		
3,200.00	2,811.61	2,801.61	2,801.61	28.42	9.85	174.90	-212.01	-173.11	1,596.79	1,574.04	22.75	70.202		
3,300.00	2,890.59	2,880.59	2,880.59	29.71	10.13	175.09	-212.01	-173.11	1,657.97	1,634.51	23.46	70.666		
3,400.00	2,969.58	2,959.58	2,959.58	31.00	10.41	175.26	-212.01	-173.11	1,719.16	1,694.98	24.18	71.099		
3,500.00	3,048.57	3,038.57	3,038.57	32.29	10.70	175.43	-212.01	-173.11	1,780.36	1,755.46	24.90	71.505		
3,600.00	3,127.56	3,117.56	3,117.56	33.58	10.98	175.58	-212.01	-173.11	1,841.57	1,815.95	25.62	71.886		
3,700.00	3,206.55	3,196.55	3,196.55	34.87	11.26	175.72	-212.01	-173.11	1,902.78	1,876.44	26.34	72.243		
3,800.00	3,285.53	3,275.53	3,275.53	36.16	11.54	175.85	-212.01	-173.11	1,964.01	1,936.94	27.06	72.579		
3,900.00	3,364.52	3,354.52	3,354.52	37.45	11.83	175.98	-212.01	-173.11	2,025.23	1,997.45	27.78	72.896		
4,000.00	3,443.51	3,433.51	3,433.51	38.74	12.11	176.10	-212.01	-173.11	2,086.47	2,057.96	28.51	73.195		
4,100.00	3,522.50	3,512.50	3,512.50	40.04	12.39	176.21	-212.01	-173.11	2,147.71	2,118.48	29.23	73.477		
4,200.00	3,601.49	3,591.49	3,591.49	41.33	12.68	176.31	-212.01	-173.11	2,208.95	2,179.00	29.95	73.744		
4,300.00	3,680.47	3,670.47	3,670.47	42.63	12.96	176.41	-212.01	-173.11	2,270.20	2,239.52	30.68	73.997		
4,400.00	3,759.46	3,749.46	3,749.46	43.92	13.24	176.51	-212.01	-173.11	2,331.45	2,300.05	31.41	74.237		
4,500.00	3,838.45	3,828.45	3,828.45	45.22	13.53	176.60	-212.01	-173.11	2,392.71	2,360.58	32.13	74.465		
4,600.00	3,917.44	3,907.44	3,907.44	46.51	13.81	176.68	-212.01	-173.11	2,453.97	2,421.11	32.86	74.681		
4,700.00	3,996.43	3,986.43	3,986.43	47.81	14.09	176.76	-212.01	-173.11	2,515.23	2,481.65	33.59	74.887		
4,800.00	4,075.42	4,065.42	4,065.42	49.10	14.38	176.84	-212.01	-173.11	2,576.50	2,542.19	34.32	75.083		
4,900.00	4,154.40	4,144.40	4,144.40	50.40	14.66	176.91	-212.01	-173.11	2,637.77	2,602.73	35.04	75.269		
5,000.00	4,233.39	4,223.39	4,223.39	51.70	14.94	176.98	-212.01	-173.11	2,699.04	2,663.27	35.77	75.448		

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-20-01
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-20-01	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	4,312.38	4,302.38	4,302.38	52.99	15.23	177.05	-212.01	-173.11	2,760.32	2,723.81	36.50	75.618		
5,200.00	4,391.37	4,381.37	4,381.37	54.29	15.51	177.11	-212.01	-173.11	2,821.59	2,784.36	37.23	75.780		
5,300.00	4,470.36	4,460.36	4,460.36	55.59	15.79	177.18	-212.01	-173.11	2,882.87	2,844.91	37.96	75.935		
5,400.00	4,549.34	4,539.34	4,539.34	56.89	16.08	177.23	-212.01	-173.11	2,944.15	2,905.46	38.70	76.084		
5,500.00	4,628.33	4,618.33	4,618.33	58.18	16.36	177.29	-212.01	-173.11	3,005.43	2,966.01	39.43	76.226		
5,600.00	4,707.32	4,697.32	4,697.32	59.48	16.64	177.35	-212.01	-173.11	3,066.72	3,026.56	40.16	76.362		
5,700.00	4,786.31	4,776.31	4,776.31	60.78	16.92	177.40	-212.01	-173.11	3,128.00	3,087.11	40.89	76.492		
5,800.00	4,865.30	4,855.30	4,855.30	62.08	17.21	177.45	-212.01	-173.11	3,189.29	3,147.66	41.63	76.618		
5,900.00	4,944.28	4,934.28	4,934.28	63.38	17.49	177.50	-212.01	-173.11	3,250.58	3,208.22	42.36	76.738		
6,000.00	5,023.27	5,013.27	5,013.27	64.68	17.77	177.54	-212.01	-173.11	3,311.87	3,268.78	43.09	76.853		
6,100.00	5,102.26	5,092.26	5,092.26	65.97	18.06	177.59	-212.01	-173.11	3,373.16	3,329.33	43.83	76.964		
6,200.00	5,181.25	5,171.25	5,171.25	67.27	18.34	177.63	-212.01	-173.11	3,434.45	3,389.89	44.56	77.070		
6,300.00	5,260.24	5,250.24	5,250.24	68.57	18.62	177.67	-212.01	-173.11	3,495.75	3,450.45	45.30	77.172		
6,400.00	5,339.23	5,329.23	5,329.23	69.87	18.91	177.71	-212.01	-173.11	3,557.04	3,511.01	46.03	77.271		
6,500.00	5,418.21	5,408.21	5,408.21	71.17	19.19	177.75	-212.01	-173.11	3,618.34	3,571.57	46.77	77.366		
6,600.00	5,497.20	5,487.20	5,487.20	72.47	19.47	177.79	-212.01	-173.11	3,679.64	3,632.13	47.51	77.457		
6,700.00	5,576.19	5,566.19	5,566.19	73.77	19.76	177.82	-212.01	-173.11	3,740.93	3,692.69	48.24	77.544		
6,800.00	5,655.18	5,645.18	5,645.18	75.07	20.04	177.86	-212.01	-173.11	3,802.23	3,753.25	48.98	77.629		
6,900.00	5,734.17	5,724.17	5,724.17	76.37	20.32	177.89	-212.01	-173.11	3,863.53	3,813.81	49.72	77.710		
7,000.00	5,813.15	5,803.15	5,803.15	77.67	20.61	177.93	-212.01	-173.11	3,924.83	3,874.38	50.46	77.789		
7,100.00	5,892.14	5,882.14	5,882.14	78.97	20.89	177.96	-212.01	-173.11	3,986.13	3,934.94	51.19	77.864		
7,200.00	5,971.13	5,961.13	5,961.13	80.27	21.17	177.99	-212.01	-173.11	4,047.44	3,995.50	51.93	77.937		
7,300.00	6,050.12	6,040.12	6,040.12	81.57	21.45	178.02	-212.01	-173.11	4,108.74	4,056.07	52.67	78.008		
7,400.00	6,129.11	6,119.11	6,119.11	82.86	21.74	178.05	-212.01	-173.11	4,170.04	4,116.63	53.41	78.075		
7,500.00	6,208.09	6,198.09	6,198.09	84.16	22.02	178.08	-212.01	-173.11	4,231.35	4,177.20	54.15	78.141		
7,600.00	6,287.08	6,277.08	6,277.08	85.46	22.30	178.10	-212.01	-173.11	4,292.65	4,237.76	54.89	78.204		
7,700.00	6,366.07	6,356.07	6,356.07	86.76	22.59	178.13	-212.01	-173.11	4,353.96	4,298.33	55.63	78.265		
7,800.00	6,445.06	6,435.06	6,435.06	88.06	22.87	178.16	-212.01	-173.11	4,415.26	4,358.89	56.37	78.324		
7,900.00	6,524.05	6,514.05	6,514.05	89.36	23.15	178.18	-212.01	-173.11	4,476.57	4,419.46	57.11	78.381		
8,000.00	6,603.03	6,593.03	6,593.03	90.66	23.44	178.21	-212.01	-173.11	4,537.88	4,480.02	57.85	78.436		
8,100.00	6,682.02	6,672.02	6,672.02	91.96	23.72	178.23	-212.01	-173.11	4,599.18	4,540.59	58.60	78.489		
8,133.44	6,708.44	6,698.44	6,698.44	92.40	23.81	178.24	-212.01	-173.11	4,619.69	4,560.84	58.85	78.506		
8,150.00	6,721.39	6,711.39	6,711.39	92.62	23.86	176.40	-212.01	-173.11	4,629.99	4,571.02	58.97	78.517		
8,200.00	6,758.90	6,748.90	6,748.90	93.34	24.00	171.02	-212.01	-173.11	4,662.92	4,603.59	59.33	78.588		
8,250.00	6,793.76	6,783.76	6,783.76	94.13	24.12	165.70	-212.01	-173.11	4,698.38	4,638.69	59.69	78.719		
8,300.00	6,825.72	6,815.72	6,815.72	95.00	24.24	160.16	-212.01	-173.11	4,736.09	4,676.08	60.02	78.912		
8,350.00	6,854.52	6,844.52	6,844.52	95.93	24.34	154.17	-212.01	-173.11	4,775.80	4,715.47	60.32	79.169		
8,400.00	6,879.97	6,869.97	6,869.97	96.92	24.43	147.47	-212.01	-173.11	4,817.20	4,756.60	60.60	79.491		
8,450.00	6,901.84	6,891.84	6,891.84	97.95	24.51	139.83	-212.01	-173.11	4,859.99	4,799.15	60.84	79.876		
8,500.00	6,920.00	6,910.00	6,910.00	99.02	24.57	131.12	-212.01	-173.11	4,903.88	4,842.83	61.05	80.323		
8,550.00	6,934.28	6,924.28	6,924.28	100.12	24.62	121.37	-212.01	-173.11	4,948.53	4,887.31	61.22	80.831		
8,600.00	6,944.59	6,934.59	6,934.59	101.22	24.66	110.88	-212.01	-173.11	4,993.64	4,932.29	61.35	81.396		
8,650.00	6,950.84	6,940.84	6,940.84	102.33	24.68	100.26	-212.01	-173.11	5,038.86	4,977.42	61.44	82.015		
8,701.16	6,953.00	6,943.00	6,943.00	103.44	24.69	90.00	-212.01	-173.11	5,084.92	5,023.44	61.49	82.700		
8,800.00	6,953.00	6,943.00	6,943.00	105.59	24.69	90.00	-212.01	-173.11	5,173.65	5,112.11	61.54	84.063		
8,900.00	6,953.00	6,943.00	6,943.00	107.79	24.69	90.00	-212.01	-173.11	5,263.80	5,202.19	61.61	85.436		
9,000.00	6,953.00	6,943.00	6,943.00	110.02	24.69	90.00	-212.01	-173.11	5,354.29	5,292.61	61.68	86.804		
9,100.00	6,953.00	6,943.00	6,943.00	112.26	24.69	90.00	-212.01	-173.11	5,445.12	5,383.36	61.76	88.167		
9,200.00	6,953.00	6,943.00	6,943.00	114.52	24.69	90.00	-212.01	-173.11	5,536.26	5,474.42	61.84	89.526		
9,300.00	6,953.00	6,943.00	6,943.00	116.80	24.69	90.00	-212.01	-173.11	5,627.70	5,565.78	61.92	90.879		
9,400.00	6,953.00	6,943.00	6,943.00	119.10	24.69	90.00	-212.01	-173.11	5,719.43	5,657.42	62.01	92.229		
9,500.00	6,953.00	6,943.00	6,943.00	121.42	24.69	90.00	-212.01	-173.11	5,811.44	5,749.33	62.11	93.574		

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-20-01
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-20-01	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 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	6,953.00	6,943.00	6,943.00	123.75	24.69	90.00	-212.01	-173.11	5,903.70	5,841.50	62.20	94.916		
9,700.00	6,953.00	6,943.00	6,943.00	126.10	24.69	90.00	-212.01	-173.11	5,996.21	5,933.91	62.30	96.253		
9,800.00	6,953.00	6,943.00	6,943.00	128.46	24.69	90.00	-212.01	-173.11	6,088.96	6,026.56	62.39	97.587		
9,900.00	6,953.00	6,943.00	6,943.00	130.84	24.69	90.00	-212.01	-173.11	6,181.93	6,119.44	62.50	98.918		
10,000.00	6,953.00	6,943.00	6,943.00	133.23	24.69	90.00	-212.01	-173.11	6,275.12	6,212.52	62.60	100.245		
10,100.00	6,953.00	6,943.00	6,943.00	135.63	24.69	90.00	-212.01	-173.11	6,368.52	6,305.82	62.70	101.569		
10,200.00	6,953.00	6,943.00	6,943.00	138.04	24.69	90.00	-212.01	-173.11	6,462.11	6,399.31	62.81	102.889		
10,300.00	6,953.00	6,943.00	6,943.00	140.46	24.69	90.00	-212.01	-173.11	6,555.89	6,492.98	62.91	104.207		
10,400.00	6,953.00	6,943.00	6,943.00	142.90	24.69	90.00	-212.01	-173.11	6,649.86	6,586.84	63.02	105.521		
10,500.00	6,953.00	6,943.00	6,943.00	145.34	24.69	90.00	-212.01	-173.11	6,744.00	6,680.87	63.13	106.833		
10,600.00	6,953.00	6,943.00	6,943.00	147.80	24.69	90.00	-212.01	-173.11	6,838.30	6,775.07	63.23	108.142		
10,700.00	6,953.00	6,943.00	6,943.00	150.26	24.69	90.00	-212.01	-173.11	6,932.77	6,869.42	63.34	109.448		
10,800.00	6,953.00	6,943.00	6,943.00	152.73	24.69	90.00	-212.01	-173.11	7,027.38	6,963.93	63.45	110.751		
10,900.00	6,953.00	6,943.00	6,943.00	155.21	24.69	90.00	-212.01	-173.11	7,122.15	7,058.59	63.56	112.051		
11,000.00	6,953.00	6,943.00	6,943.00	157.70	24.69	90.00	-212.01	-173.11	7,217.05	7,153.38	63.67	113.349		
11,100.00	6,953.00	6,943.00	6,943.00	160.20	24.69	90.00	-212.01	-173.11	7,312.09	7,248.31	63.78	114.645		
11,200.00	6,953.00	6,943.00	6,943.00	162.70	24.69	90.00	-212.01	-173.11	7,407.27	7,343.38	63.89	115.937		
11,300.00	6,953.00	6,943.00	6,943.00	165.21	24.69	90.00	-212.01	-173.11	7,502.56	7,438.56	64.00	117.228		
11,400.00	6,953.00	6,943.00	6,943.00	167.73	24.69	90.00	-212.01	-173.11	7,597.98	7,533.87	64.11	118.515		
11,500.00	6,953.00	6,943.00	6,943.00	170.25	24.69	90.00	-212.01	-173.11	7,693.52	7,629.30	64.22	119.801		
11,600.00	6,953.00	6,943.00	6,943.00	172.78	24.69	90.00	-212.01	-173.11	7,789.16	7,724.84	64.33	121.084		
11,700.00	6,953.00	6,943.00	6,943.00	175.31	24.69	90.00	-212.01	-173.11	7,884.92	7,820.48	64.44	122.364		
11,800.00	6,953.00	6,943.00	6,943.00	177.85	24.69	90.00	-212.01	-173.11	7,980.78	7,916.23	64.55	123.642		
11,900.00	6,953.00	6,943.00	6,943.00	180.40	24.69	90.00	-212.01	-173.11	8,076.74	8,012.08	64.66	124.918		
12,000.00	6,953.00	6,943.00	6,943.00	182.95	24.69	90.00	-212.01	-173.11	8,172.79	8,108.03	64.77	126.191		
12,100.00	6,953.00	6,943.00	6,943.00	185.50	24.69	90.00	-212.01	-173.11	8,268.94	8,204.07	64.87	127.462		
12,200.00	6,953.00	6,943.00	6,943.00	188.06	24.69	90.00	-212.01	-173.11	8,365.18	8,300.20	64.98	128.730		
12,300.00	6,953.00	6,943.00	6,943.00	190.63	24.69	90.00	-212.01	-173.11	8,461.51	8,396.42	65.09	129.996		
12,400.00	6,953.00	6,943.00	6,943.00	193.20	24.69	90.00	-212.01	-173.11	8,557.92	8,492.72	65.20	131.260		
12,500.00	6,953.00	6,943.00	6,943.00	195.77	24.69	90.00	-212.01	-173.11	8,654.42	8,589.11	65.31	132.521		
12,600.00	6,953.00	6,943.00	6,943.00	198.35	24.69	90.00	-212.01	-173.11	8,750.99	8,685.57	65.41	133.780		
12,700.00	6,953.00	6,943.00	6,943.00	200.93	24.69	90.00	-212.01	-173.11	8,847.64	8,782.12	65.52	135.037		
12,800.00	6,953.00	6,943.00	6,943.00	203.51	24.69	90.00	-212.01	-173.11	8,944.36	8,878.73	65.63	136.291		
12,900.00	6,953.00	6,943.00	6,943.00	206.10	24.69	90.00	-212.01	-173.11	9,041.15	8,975.42	65.73	137.543		
13,000.00	6,953.00	6,943.00	6,943.00	208.69	24.69	90.00	-212.01	-173.11	9,138.01	9,072.17	65.84	138.792		
13,100.00	6,953.00	6,943.00	6,943.00	211.29	24.69	90.00	-212.01	-173.11	9,234.94	9,169.00	65.95	140.039		
13,200.00	6,953.00	6,943.00	6,943.00	213.88	24.69	90.00	-212.01	-173.11	9,331.93	9,265.88	66.05	141.284		
13,300.00	6,953.00	6,943.00	6,943.00	216.48	24.69	90.00	-212.01	-173.11	9,428.99	9,362.84	66.16	142.526		
13,400.00	6,953.00	6,943.00	6,943.00	219.09	24.69	90.00	-212.01	-173.11	9,526.11	9,459.85	66.26	143.766		
13,500.00	6,953.00	6,943.00	6,943.00	221.69	24.69	90.00	-212.01	-173.11	9,623.29	9,556.92	66.37	145.003		
13,600.00	6,953.00	6,943.00	6,943.00	224.30	24.69	90.00	-212.01	-173.11	9,720.52	9,654.05	66.47	146.238		
13,700.00	6,953.00	6,943.00	6,943.00	226.92	24.69	90.00	-212.01	-173.11	9,817.81	9,751.23	66.57	147.471		
13,800.00	6,953.00	6,943.00	6,943.00	229.53	24.69	90.00	-212.01	-173.11	9,915.15	9,848.47	66.68	148.701		
13,900.00	6,953.00	6,943.00	6,943.00	232.15	24.69	90.00	-212.01	-173.11	10,012.55	9,945.76	66.78	149.928		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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	56.11	782.53	1,164.86	1,403.30	1,402.95	0.35	3,974.690		
200.00	199.98	153.98	153.98	0.63	0.35	-7.35	782.53	1,164.86	1,401.57	1,400.59	0.98	1,436.546		
300.00	299.84	253.84	253.84	0.99	0.71	-7.39	782.53	1,164.86	1,396.38	1,394.68	1.70	822.308		
400.00	399.45	353.45	353.45	1.36	1.06	-7.46	782.53	1,164.86	1,387.74	1,385.31	2.42	572.747		
500.00	498.70	452.70	452.70	1.76	1.42	-7.56	782.53	1,164.86	1,375.65	1,372.50	3.15	436.807		
600.00	597.47	551.47	551.47	2.18	1.77	-7.68	782.53	1,164.86	1,360.15	1,356.27	3.88	350.799		
700.00	695.62	649.62	649.62	2.63	2.13	-7.84	782.53	1,164.86	1,341.23	1,336.63	4.61	291.134		
800.00	793.06	747.06	747.06	3.11	2.48	-8.04	782.53	1,164.86	1,318.94	1,313.61	5.34	247.065		
900.00	889.64	843.64	843.64	3.64	2.82	-8.28	782.53	1,164.86	1,293.31	1,287.24	6.07	212.994		
1,000.00	985.27	939.27	939.27	4.22	3.16	-8.56	782.53	1,164.86	1,264.36	1,257.55	6.81	185.722		
1,100.00	1,079.82	1,033.82	1,033.82	4.84	3.50	-8.89	782.53	1,164.86	1,232.14	1,224.60	7.55	163.286		
1,200.00	1,173.17	1,127.17	1,127.17	5.52	3.84	-9.27	782.53	1,164.86	1,196.70	1,188.41	8.29	144.415		
1,300.00	1,265.21	1,219.21	1,219.21	6.26	4.17	-9.73	782.53	1,164.86	1,158.08	1,149.05	9.03	128.250		
1,400.00	1,355.84	1,309.84	1,309.84	7.06	4.49	-10.25	782.53	1,164.86	1,116.35	1,106.58	9.78	114.189		
1,500.00	1,444.94	1,398.94	1,398.94	7.92	4.81	-10.87	782.53	1,164.86	1,071.57	1,061.04	10.53	101.798		
1,600.00	1,532.39	1,486.39	1,486.39	8.84	5.13	-11.60	782.53	1,164.86	1,023.80	1,012.52	11.28	90.752		
1,700.00	1,618.11	1,572.11	1,572.11	9.83	5.43	-12.45	782.53	1,164.86	973.14	961.10	12.04	80.808		
1,800.00	1,701.97	1,655.97	1,655.97	10.89	5.73	-13.47	782.53	1,164.86	919.66	906.85	12.81	71.775		
1,900.00	1,783.88	1,737.88	1,737.88	12.02	6.03	-14.69	782.53	1,164.86	863.48	849.88	13.60	63.505		
1,991.28	1,856.86	1,810.86	1,810.86	13.11	6.29	-16.02	782.53	1,164.86	809.93	795.60	14.33	56.518		
2,000.00	1,863.75	1,817.75	1,817.75	13.21	6.31	-16.12	782.53	1,164.86	804.72	790.31	14.41	55.861		
2,100.00	1,942.74	1,896.74	1,896.74	14.45	6.60	-17.41	782.53	1,164.86	745.05	729.82	15.23	48.909		
2,200.00	2,021.72	1,975.72	1,975.72	15.69	6.88	-18.91	782.53	1,164.86	685.69	669.58	16.11	42.564		
2,300.00	2,100.71	2,054.71	2,054.71	16.95	7.16	-20.69	782.53	1,164.86	626.70	609.65	17.05	36.758		
2,400.00	2,179.70	2,133.70	2,133.70	18.21	7.45	-22.81	782.53	1,164.86	568.20	550.12	18.08	31.435		
2,500.00	2,258.69	2,212.69	2,212.69	19.47	7.73	-25.39	782.53	1,164.86	510.37	491.14	19.22	26.550		
2,600.00	2,337.68	2,291.68	2,291.68	20.74	8.01	-28.57	782.53	1,164.86	453.45	432.91	20.54	22.074		
2,700.00	2,416.66	2,370.66	2,370.66	22.02	8.30	-32.56	782.53	1,164.86	397.85	375.74	22.11	17.992		
2,800.00	2,495.65	2,449.65	2,449.65	23.29	8.58	-37.65	782.53	1,164.86	344.21	320.15	24.05	14.311		
2,900.00	2,574.64	2,528.64	2,528.64	24.57	8.86	-44.28	782.53	1,164.86	293.58	267.06	26.52	11.071		
3,000.00	2,653.63	2,607.63	2,607.63	25.85	9.15	-52.94	782.53	1,164.86	247.84	218.15	29.69	8.349		
3,100.00	2,732.62	2,686.62	2,686.62	27.14	9.43	-64.14	782.53	1,164.86	210.18	176.64	33.54	6.266		
3,200.00	2,811.61	2,765.61	2,765.61	28.42	9.71	-77.90	782.53	1,164.86	185.62	148.22	37.40	4.963		
3,279.27	2,874.22	2,828.22	2,828.22	29.44	9.94	-90.00	782.53	1,164.86	179.14	139.76	39.38	4.549 CC, ES		
3,300.00	2,890.59	2,844.59	2,844.59	29.71	9.99	-93.21	782.53	1,164.86	179.59	139.96	39.63	4.532 SF		
3,400.00	2,969.58	2,923.58	2,923.58	31.00	10.28	-108.08	782.53	1,164.86	193.84	154.54	39.30	4.932		
3,500.00	3,048.57	3,002.57	3,002.57	32.29	10.56	-120.83	782.53	1,164.86	224.53	187.00	37.53	5.982		
3,600.00	3,127.56	3,081.56	3,081.56	33.58	10.84	-130.93	782.53	1,164.86	266.04	230.35	35.69	7.454		
3,700.00	3,206.55	3,160.55	3,160.55	34.87	11.13	-138.68	782.53	1,164.86	314.11	279.80	34.30	9.156		
3,800.00	3,285.53	3,239.53	3,239.53	36.16	11.41	-144.62	782.53	1,164.86	366.16	332.74	33.42	10.958		
3,900.00	3,364.52	3,318.52	3,318.52	37.45	11.69	-149.21	782.53	1,164.86	420.71	387.79	32.93	12.777		
4,000.00	3,443.51	3,397.51	3,397.51	38.74	11.98	-152.84	782.53	1,164.86	476.92	444.18	32.73	14.569		
4,100.00	3,522.50	3,476.50	3,476.50	40.04	12.26	-155.74	782.53	1,164.86	534.25	501.49	32.76	16.310		
4,200.00	3,601.49	3,555.49	3,555.49	41.33	12.54	-158.12	782.53	1,164.86	592.38	559.45	32.93	17.987		
4,300.00	3,680.47	3,634.47	3,634.47	42.63	12.83	-160.08	782.53	1,164.86	651.10	617.88	33.23	19.595		
4,400.00	3,759.46	3,713.46	3,713.46	43.92	13.11	-161.74	782.53	1,164.86	710.26	676.66	33.61	21.135		
4,500.00	3,838.45	3,792.45	3,792.45	45.22	13.39	-163.15	782.53	1,164.86	769.76	735.71	34.05	22.607		
4,600.00	3,917.44	3,871.44	3,871.44	46.51	13.68	-164.36	782.53	1,164.86	829.53	794.98	34.54	24.014		
4,700.00	3,996.43	3,950.43	3,950.43	47.81	13.96	-165.41	782.53	1,164.86	889.50	854.43	35.08	25.360		
4,800.00	4,075.42	4,029.42	4,029.42	49.10	14.24	-166.33	782.53	1,164.86	949.65	914.01	35.64	26.647		
4,900.00	4,154.40	4,108.40	4,108.40	50.40	14.52	-167.15	782.53	1,164.86	1,009.94	973.72	36.23	27.878		
5,000.00	4,233.39	4,187.39	4,187.39	51.70	14.81	-167.87	782.53	1,164.86	1,070.35	1,033.52	36.84	29.057		

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-20-01
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-20-01	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		
5,100.00	4,312.38	4,266.38	4,266.38	52.99	15.09	-168.52	782.53	1,164.86	1,130.86	1,093.40	37.46	30.187		
5,200.00	4,391.37	4,345.37	4,345.37	54.29	15.37	-169.10	782.53	1,164.86	1,191.45	1,153.35	38.10	31.271		
5,300.00	4,470.36	4,424.36	4,424.36	55.59	15.66	-169.63	782.53	1,164.86	1,252.11	1,213.36	38.75	32.312		
5,400.00	4,549.34	4,503.34	4,503.34	56.89	15.94	-170.11	782.53	1,164.86	1,312.84	1,273.43	39.41	33.311		
5,500.00	4,628.33	4,582.33	4,582.33	58.18	16.22	-170.55	782.53	1,164.86	1,373.62	1,333.54	40.08	34.272		
5,600.00	4,707.32	4,661.32	4,661.32	59.48	16.51	-170.95	782.53	1,164.86	1,434.44	1,393.69	40.76	35.196		
5,700.00	4,786.31	4,740.31	4,740.31	60.78	16.79	-171.31	782.53	1,164.86	1,495.31	1,453.87	41.44	36.085		
5,800.00	4,865.30	4,819.30	4,819.30	62.08	17.07	-171.65	782.53	1,164.86	1,556.21	1,514.08	42.13	36.942		
5,900.00	4,944.28	4,898.28	4,898.28	63.38	17.36	-171.97	782.53	1,164.86	1,617.14	1,574.32	42.82	37.767		
6,000.00	5,023.27	4,977.27	4,977.27	64.68	17.64	-172.26	782.53	1,164.86	1,678.10	1,634.59	43.51	38.564		
6,100.00	5,102.26	5,056.26	5,056.26	65.97	17.92	-172.53	782.53	1,164.86	1,739.09	1,694.88	44.22	39.332		
6,200.00	5,181.25	5,135.25	5,135.25	67.27	18.21	-172.78	782.53	1,164.86	1,800.10	1,755.18	44.92	40.075		
6,300.00	5,260.24	5,214.24	5,214.24	68.57	18.49	-173.02	782.53	1,164.86	1,861.14	1,815.51	45.63	40.792		
6,400.00	5,339.23	5,293.23	5,293.23	69.87	18.77	-173.24	782.53	1,164.86	1,922.19	1,875.85	46.33	41.485		
6,500.00	5,418.21	5,372.21	5,372.21	71.17	19.06	-173.45	782.53	1,164.86	1,983.25	1,936.21	47.05	42.155		
6,600.00	5,497.20	5,451.20	5,451.20	72.47	19.34	-173.65	782.53	1,164.86	2,044.34	1,996.58	47.76	42.804		
6,700.00	5,576.19	5,530.19	5,530.19	73.77	19.62	-173.83	782.53	1,164.86	2,105.43	2,056.96	48.48	43.432		
6,800.00	5,655.18	5,609.18	5,609.18	75.07	19.90	-174.00	782.53	1,164.86	2,166.54	2,117.35	49.19	44.041		
6,900.00	5,734.17	5,688.17	5,688.17	76.37	20.19	-174.17	782.53	1,164.86	2,227.66	2,177.75	49.91	44.631		
7,000.00	5,813.15	5,767.15	5,767.15	77.67	20.47	-174.32	782.53	1,164.86	2,288.80	2,238.16	50.63	45.202		
7,100.00	5,892.14	5,846.14	5,846.14	78.97	20.75	-174.47	782.53	1,164.86	2,349.94	2,298.58	51.36	45.757		
7,200.00	5,971.13	5,925.13	5,925.13	80.27	21.04	-174.61	782.53	1,164.86	2,411.09	2,359.01	52.08	46.295		
7,300.00	6,050.12	6,004.12	6,004.12	81.57	21.32	-174.74	782.53	1,164.86	2,472.25	2,419.45	52.81	46.817		
7,400.00	6,129.11	6,083.11	6,083.11	82.86	21.60	-174.87	782.53	1,164.86	2,533.42	2,479.89	53.53	47.325		
7,500.00	6,208.09	6,162.09	6,162.09	84.16	21.89	-174.99	782.53	1,164.86	2,594.60	2,540.34	54.26	47.817		
7,600.00	6,287.08	6,241.08	6,241.08	85.46	22.17	-175.11	782.53	1,164.86	2,655.78	2,600.79	54.99	48.296		
7,700.00	6,366.07	6,320.07	6,320.07	86.76	22.45	-175.22	782.53	1,164.86	2,716.97	2,661.25	55.72	48.762		
7,800.00	6,445.06	6,399.06	6,399.06	88.06	22.74	-175.32	782.53	1,164.86	2,778.17	2,721.72	56.45	49.215		
7,900.00	6,524.05	6,478.05	6,478.05	89.36	23.02	-175.42	782.53	1,164.86	2,839.37	2,782.19	57.18	49.656		
8,000.00	6,603.03	6,557.03	6,557.03	90.66	23.30	-175.52	782.53	1,164.86	2,900.57	2,842.66	57.91	50.084		
8,100.00	6,682.02	6,636.02	6,636.02	91.96	23.59	-175.61	782.53	1,164.86	2,961.78	2,903.14	58.65	50.502		
8,133.44	6,708.44	6,662.44	6,662.44	92.40	23.68	-175.64	782.53	1,164.86	2,982.26	2,923.36	58.89	50.639		
8,150.00	6,721.39	6,675.39	6,675.39	92.62	23.73	-177.38	782.53	1,164.86	2,992.56	2,933.54	59.01	50.709		
8,200.00	6,758.90	6,712.90	6,712.90	93.34	23.86	-177.59	782.53	1,164.86	3,025.60	2,966.22	59.38	50.955		
8,250.00	6,793.76	6,747.76	6,747.76	94.13	23.99	-172.67	782.53	1,164.86	3,061.36	3,001.63	59.73	51.254		
8,300.00	6,825.72	6,779.72	6,779.72	95.00	24.10	-167.59	782.53	1,164.86	3,099.56	3,039.50	60.06	51.608		
8,350.00	6,854.52	6,808.52	6,808.52	95.93	24.20	-162.05	782.53	1,164.86	3,139.92	3,079.55	60.37	52.015		
8,400.00	6,879.97	6,833.97	6,833.97	96.92	24.30	-155.74	782.53	1,164.86	3,182.15	3,121.51	60.64	52.475		
8,450.00	6,901.84	6,855.84	6,855.84	97.95	24.37	-148.29	782.53	1,164.86	3,225.94	3,165.05	60.88	52.986		
8,500.00	6,920.00	6,874.00	6,874.00	99.02	24.44	-139.32	782.53	1,164.86	3,270.97	3,209.88	61.09	53.546		
8,550.00	6,934.28	6,888.28	6,888.28	100.12	24.49	-128.58	782.53	1,164.86	3,316.92	3,255.67	61.25	54.153		
8,600.00	6,944.59	6,898.59	6,898.59	101.22	24.53	-116.21	782.53	1,164.86	3,363.47	3,302.09	61.37	54.802		
8,650.00	6,950.84	6,904.84	6,904.84	102.33	24.55	-103.02	782.53	1,164.86	3,410.27	3,348.81	61.46	55.491		
8,701.16	6,953.00	6,907.00	6,907.00	103.44	24.56	-90.00	782.53	1,164.86	3,458.07	3,396.57	61.50	56.230		
8,800.00	6,953.00	6,907.00	6,907.00	105.59	24.56	-90.00	782.53	1,164.86	3,550.27	3,488.73	61.54	57.689		
8,900.00	6,953.00	6,907.00	6,907.00	107.79	24.56	-90.00	782.53	1,164.86	3,643.92	3,582.33	61.59	59.166		
9,000.00	6,953.00	6,907.00	6,907.00	110.02	24.56	-90.00	782.53	1,164.86	3,737.89	3,676.25	61.64	60.642		
9,100.00	6,953.00	6,907.00	6,907.00	112.26	24.56	-90.00	782.53	1,164.86	3,832.17	3,770.48	61.69	62.119		
9,200.00	6,953.00	6,907.00	6,907.00	114.52	24.56	-90.00	782.53	1,164.86	3,926.73	3,864.99	61.74	63.597		
9,300.00	6,953.00	6,907.00	6,907.00	116.80	24.56	-90.00	782.53	1,164.86	4,021.56	3,959.76	61.80	65.073		
9,400.00	6,953.00	6,907.00	6,907.00	119.10	24.56	-90.00	782.53	1,164.86	4,116.63	4,054.77	61.86	66.550		
9,500.00	6,953.00	6,907.00	6,907.00	121.42	24.56	-90.00	782.53	1,164.86	4,211.93	4,150.01	61.92	68.026		

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-20-01
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-20-01	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		
9,600.00	6,953.00	6,907.00	6,907.00	123.75	24.56	90.00	782.53	1,164.86	4,307.44	4,245.46	61.98	69.502		
9,700.00	6,953.00	6,907.00	6,907.00	126.10	24.56	90.00	782.53	1,164.86	4,403.15	4,341.11	62.04	70.977		
9,800.00	6,953.00	6,907.00	6,907.00	128.46	24.56	90.00	782.53	1,164.86	4,499.04	4,436.95	62.10	72.451		
9,900.00	6,953.00	6,907.00	6,907.00	130.84	24.56	90.00	782.53	1,164.86	4,595.12	4,532.96	62.16	73.924		
10,000.00	6,953.00	6,907.00	6,907.00	133.23	24.56	90.00	782.53	1,164.86	4,691.35	4,629.13	62.22	75.396		
10,100.00	6,953.00	6,907.00	6,907.00	135.63	24.56	90.00	782.53	1,164.86	4,787.74	4,725.46	62.29	76.867		
10,200.00	6,953.00	6,907.00	6,907.00	138.04	24.56	90.00	782.53	1,164.86	4,884.28	4,821.93	62.35	78.337		
10,300.00	6,953.00	6,907.00	6,907.00	140.46	24.56	90.00	782.53	1,164.86	4,980.95	4,918.54	62.41	79.806		
10,400.00	6,953.00	6,907.00	6,907.00	142.90	24.56	90.00	782.53	1,164.86	5,077.75	5,015.28	62.48	81.273		
10,500.00	6,953.00	6,907.00	6,907.00	145.34	24.56	90.00	782.53	1,164.86	5,174.68	5,112.13	62.54	82.738		
10,600.00	6,953.00	6,907.00	6,907.00	147.80	24.56	90.00	782.53	1,164.86	5,271.72	5,209.11	62.61	84.202		
10,700.00	6,953.00	6,907.00	6,907.00	150.26	24.56	90.00	782.53	1,164.86	5,368.86	5,306.19	62.67	85.665		
10,800.00	6,953.00	6,907.00	6,907.00	152.73	24.56	90.00	782.53	1,164.86	5,466.11	5,403.37	62.74	87.125		
10,900.00	6,953.00	6,907.00	6,907.00	155.21	24.56	90.00	782.53	1,164.86	5,563.46	5,500.66	62.80	88.584		
11,000.00	6,953.00	6,907.00	6,907.00	157.70	24.56	90.00	782.53	1,164.86	5,660.90	5,598.03	62.87	90.041		
11,100.00	6,953.00	6,907.00	6,907.00	160.20	24.56	90.00	782.53	1,164.86	5,758.43	5,695.49	62.94	91.496		
11,200.00	6,953.00	6,907.00	6,907.00	162.70	24.56	90.00	782.53	1,164.86	5,856.04	5,793.03	63.00	92.949		
11,300.00	6,953.00	6,907.00	6,907.00	165.21	24.56	90.00	782.53	1,164.86	5,953.73	5,890.66	63.07	94.401		
11,400.00	6,953.00	6,907.00	6,907.00	167.73	24.56	90.00	782.53	1,164.86	6,051.49	5,988.36	63.14	95.849		
11,500.00	6,953.00	6,907.00	6,907.00	170.25	24.56	90.00	782.53	1,164.86	6,149.33	6,086.13	63.20	97.296		
11,600.00	6,953.00	6,907.00	6,907.00	172.78	24.56	90.00	782.53	1,164.86	6,247.24	6,183.97	63.27	98.741		
11,700.00	6,953.00	6,907.00	6,907.00	175.31	24.56	90.00	782.53	1,164.86	6,345.21	6,281.87	63.34	100.183		
11,800.00	6,953.00	6,907.00	6,907.00	177.85	24.56	90.00	782.53	1,164.86	6,443.24	6,379.84	63.40	101.623		
11,900.00	6,953.00	6,907.00	6,907.00	180.40	24.56	90.00	782.53	1,164.86	6,541.33	6,477.86	63.47	103.061		
12,000.00	6,953.00	6,907.00	6,907.00	182.95	24.56	90.00	782.53	1,164.86	6,639.48	6,575.95	63.54	104.496		
12,100.00	6,953.00	6,907.00	6,907.00	185.50	24.56	90.00	782.53	1,164.86	6,737.69	6,674.08	63.61	105.929		
12,200.00	6,953.00	6,907.00	6,907.00	188.06	24.56	90.00	782.53	1,164.86	6,835.95	6,772.27	63.67	107.359		
12,300.00	6,953.00	6,907.00	6,907.00	190.63	24.56	90.00	782.53	1,164.86	6,934.25	6,870.51	63.74	108.786		
12,400.00	6,953.00	6,907.00	6,907.00	193.20	24.56	90.00	782.53	1,164.86	7,032.61	6,968.80	63.81	110.212		
12,500.00	6,953.00	6,907.00	6,907.00	195.77	24.56	90.00	782.53	1,164.86	7,131.01	7,067.13	63.88	111.634		
12,600.00	6,953.00	6,907.00	6,907.00	198.35	24.56	90.00	782.53	1,164.86	7,229.45	7,165.50	63.95	113.054		
12,700.00	6,953.00	6,907.00	6,907.00	200.93	24.56	90.00	782.53	1,164.86	7,327.94	7,263.92	64.02	114.471		
12,800.00	6,953.00	6,907.00	6,907.00	203.51	24.56	90.00	782.53	1,164.86	7,426.46	7,362.38	64.08	115.885		
12,900.00	6,953.00	6,907.00	6,907.00	206.10	24.56	90.00	782.53	1,164.86	7,525.03	7,460.87	64.15	117.297		
13,000.00	6,953.00	6,907.00	6,907.00	208.69	24.56	90.00	782.53	1,164.86	7,623.63	7,559.41	64.22	118.706		
13,100.00	6,953.00	6,907.00	6,907.00	211.29	24.56	90.00	782.53	1,164.86	7,722.27	7,657.98	64.29	120.111		
13,200.00	6,953.00	6,907.00	6,907.00	213.88	24.56	90.00	782.53	1,164.86	7,820.94	7,756.58	64.36	121.514		
13,300.00	6,953.00	6,907.00	6,907.00	216.48	24.56	90.00	782.53	1,164.86	7,919.65	7,855.22	64.43	122.915		
13,400.00	6,953.00	6,907.00	6,907.00	219.09	24.56	90.00	782.53	1,164.86	8,018.39	7,953.88	64.50	124.312		
13,500.00	6,953.00	6,907.00	6,907.00	221.69	24.56	90.00	782.53	1,164.86	8,117.16	8,052.58	64.57	125.706		
13,600.00	6,953.00	6,907.00	6,907.00	224.30	24.56	90.00	782.53	1,164.86	8,215.95	8,151.31	64.64	127.097		
13,700.00	6,953.00	6,907.00	6,907.00	226.92	24.56	90.00	782.53	1,164.86	8,314.78	8,250.07	64.71	128.485		
13,800.00	6,953.00	6,907.00	6,907.00	229.53	24.56	90.00	782.53	1,164.86	8,413.64	8,348.85	64.78	129.870		
13,900.00	6,953.00	6,907.00	6,907.00	232.15	24.56	90.00	782.53	1,164.86	8,512.52	8,447.66	64.86	131.252		
14,000.00	6,953.00	6,907.00	6,907.00	234.77	24.56	90.00	782.53	1,164.86	8,611.43	8,546.50	64.93	132.631		
14,100.00	6,953.00	6,907.00	6,907.00	237.39	24.56	90.00	782.53	1,164.86	8,710.36	8,645.36	65.00	134.007		
14,200.00	6,953.00	6,907.00	6,907.00	240.01	24.56	90.00	782.53	1,164.86	8,809.32	8,744.25	65.07	135.380		
14,300.00	6,953.00	6,907.00	6,907.00	242.64	24.56	90.00	782.53	1,164.86	8,908.30	8,843.16	65.14	136.749		
14,400.00	6,953.00	6,907.00	6,907.00	245.27	24.56	90.00	782.53	1,164.86	9,007.30	8,942.09	65.22	138.115		
14,500.00	6,953.00	6,907.00	6,907.00	247.90	24.56	90.00	782.53	1,164.86	9,106.33	9,041.04	65.29	139.478		
14,600.00	6,953.00	6,907.00	6,907.00	250.53	24.56	90.00	782.53	1,164.86	9,205.37	9,140.01	65.36	140.838		
14,700.00	6,953.00	6,907.00	6,907.00	253.16	24.56	90.00	782.53	1,164.86	9,304.44	9,239.00	65.43	142.194		

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-20-01
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-20-01	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	
14,800.00	6,953.00	6,907.00	6,907.00	255.80	24.56	90.00	782.53	1,164.86	9,403.52	9,338.02	65.51	143.548	
14,900.00	6,953.00	6,907.00	6,907.00	258.43	24.56	90.00	782.53	1,164.86	9,502.63	9,437.05	65.58	144.897	
15,000.00	6,953.00	6,907.00	6,907.00	261.07	24.56	90.00	782.53	1,164.86	9,601.75	9,536.10	65.66	146.244	
15,100.00	6,953.00	6,907.00	6,907.00	263.71	24.56	90.00	782.53	1,164.86	9,700.90	9,635.17	65.73	147.587	
15,200.00	6,953.00	6,907.00	6,907.00	266.36	24.56	90.00	782.53	1,164.86	9,800.05	9,734.25	65.80	148.927	
15,300.00	6,953.00	6,907.00	6,907.00	269.00	24.56	90.00	782.53	1,164.86	9,899.23	9,833.35	65.88	150.263	
15,400.00	6,953.00	6,907.00	6,907.00	271.65	24.56	90.00	782.53	1,164.86	9,998.42	9,932.47	65.95	151.596	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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	3.92	3.92	0.00	0.01	-91.04	-2.55	-139.65	139.68				
100.00	100.00	101.97	101.96	0.27	0.16	-91.12	-2.75	-140.39	140.43	140.00	0.43	326.193	
200.00	199.98	199.90	199.87	0.63	0.32	-155.04	-3.35	-142.48	144.16	143.21	0.94	152.785	
300.00	299.84	295.53	295.41	0.99	0.63	-156.13	-4.41	-146.34	153.00	151.36	1.63	93.609	
400.00	399.45	388.92	388.55	1.36	0.99	-157.63	-6.13	-152.92	168.14	165.78	2.36	71.370	
500.00	498.70	481.82	480.94	1.76	1.35	-159.45	-8.91	-162.18	189.59	186.52	3.07	61.722	
600.00	597.47	576.40	574.78	2.18	1.74	-161.66	-13.63	-173.01	216.16	212.37	3.79	57.070	
700.00	695.62	670.28	667.82	2.63	2.13	-163.97	-19.92	-183.91	246.70	242.20	4.50	54.796	
800.00	793.06	765.07	761.73	3.11	2.53	-166.02	-26.53	-194.87	280.81	275.59	5.22	53.785	
900.00	889.64	857.10	852.97	3.64	2.92	-167.69	-32.80	-205.26	318.10	312.16	5.93	53.628	
1,000.00	985.27	948.80	943.85	4.22	3.31	-169.17	-39.40	-215.54	358.80	352.16	6.64	54.034	
1,100.00	1,079.82	1,036.44	1,030.70	4.84	3.68	-170.37	-45.72	-225.36	402.82	395.48	7.33	54.923	
1,200.00	1,173.17	1,121.22	1,114.68	5.52	4.04	-171.28	-51.42	-235.54	450.59	442.58	8.02	56.205	
1,300.00	1,265.21	1,207.71	1,200.29	6.26	4.42	-172.11	-57.52	-246.21	501.85	493.13	8.71	57.604	
1,400.00	1,355.84	1,293.08	1,284.87	7.06	4.78	-172.71	-62.57	-256.61	555.67	546.26	9.41	59.075	
1,500.00	1,444.94	1,373.63	1,364.66	7.92	5.13	-173.19	-67.35	-266.55	612.56	602.48	10.08	60.793	
1,600.00	1,532.39	1,452.83	1,443.10	8.84	5.47	-173.50	-71.17	-276.82	672.46	661.72	10.74	62.596	
1,700.00	1,618.11	1,531.54	1,521.05	9.83	5.80	-173.73	-74.55	-287.17	735.11	723.70	11.41	64.417	
1,800.00	1,701.97	1,611.50	1,600.28	10.89	6.14	-173.94	-77.94	-297.43	800.21	788.11	12.09	66.165	
1,900.00	1,783.88	1,667.00	1,655.30	12.02	6.38	-174.02	-80.19	-304.31	867.78	855.17	12.62	68.790	
1,991.28	1,856.86	1,724.88	1,712.58	13.11	6.63	-174.12	-82.97	-312.15	932.44	919.30	13.14	70.947	
2,000.00	1,863.75	1,728.83	1,716.48	13.21	6.65	-174.14	-83.19	-312.74	938.82	925.63	13.19	71.195	
2,100.00	1,942.74	1,762.00	1,749.16	14.45	6.80	-174.31	-85.26	-317.99	1,012.82	999.30	13.52	74.887	
2,200.00	2,021.72	1,813.66	1,799.85	15.69	7.05	-174.57	-89.09	-327.21	1,088.25	1,074.24	14.00	77.715	
2,300.00	2,100.71	1,857.00	1,842.13	16.95	7.26	-174.77	-92.84	-335.95	1,165.25	1,150.83	14.41	80.849	
2,400.00	2,179.70	1,912.24	1,898.87	18.21	7.55	-175.02	-98.02	-347.65	1,243.07	1,228.15	14.92	83.298	
2,500.00	2,258.69	1,977.34	1,959.21	19.47	7.89	-175.28	-104.28	-361.34	1,320.91	1,305.39	15.52	85.116	
2,600.00	2,337.68	2,047.52	2,027.55	20.74	8.25	-175.56	-111.16	-375.73	1,398.50	1,382.34	16.16	86.541	
2,700.00	2,416.66	2,102.81	2,081.39	22.02	8.54	-175.75	-116.55	-387.09	1,476.10	1,459.42	16.68	88.503	
2,800.00	2,495.65	2,159.92	2,136.94	23.29	8.84	-175.91	-121.92	-399.22	1,554.03	1,536.81	17.21	90.276	
2,900.00	2,574.64	2,225.01	2,200.25	24.57	9.18	-176.06	-127.89	-413.14	1,631.98	1,614.16	17.82	91.577	
3,000.00	2,653.63	2,267.03	2,241.08	25.85	9.41	-176.15	-131.76	-422.25	1,710.18	1,691.95	18.23	93.807	
3,100.00	2,732.62	2,301.47	2,274.41	27.14	9.59	-176.22	-135.22	-430.17	1,789.32	1,770.74	18.57	96.338	
3,200.00	2,811.61	2,335.00	2,306.74	28.42	9.78	-176.29	-138.87	-438.29	1,869.36	1,850.45	18.91	98.879	
3,300.00	2,890.59	2,369.05	2,339.70	29.71	10.09	-176.41	-145.19	-451.95	1,949.90	1,930.47	19.43	100.336	
3,400.00	2,969.58	2,446.58	2,414.04	31.00	10.42	-176.54	-151.92	-465.98	2,030.55	2,010.57	19.98	101.647	
3,500.00	3,048.57	2,505.60	2,470.78	32.29	10.76	-176.66	-159.01	-480.62	2,111.23	2,090.69	20.54	102.768	
3,600.00	3,127.56	2,596.23	2,558.03	33.58	11.28	-176.84	-169.79	-502.62	2,191.63	2,170.24	21.40	102.429	
3,700.00	3,206.55	2,699.85	2,658.30	34.87	11.86	-177.03	-181.70	-525.90	2,270.86	2,248.50	22.36	101.558	
3,800.00	3,285.53	2,787.46	2,743.39	36.16	12.34	-177.19	-191.44	-544.31	2,349.14	2,325.96	23.18	101.352	
3,900.00	3,364.52	2,894.75	2,847.93	37.45	12.90	-177.37	-202.93	-565.50	2,426.63	2,402.46	24.16	100.431	
4,000.00	3,443.51	2,958.87	2,910.58	38.74	13.23	-177.47	-209.45	-577.55	2,503.36	2,478.59	24.77	101.045	
4,100.00	3,522.50	3,022.79	2,972.99	40.04	13.56	-177.54	-215.47	-589.95	2,580.25	2,554.86	25.39	101.638	
4,200.00	3,601.49	3,114.55	3,062.72	41.33	14.03	-177.62	-223.57	-607.38	2,656.73	2,630.50	26.24	101.261	
4,300.00	3,680.47	3,142.37	3,089.88	42.63	14.18	-177.64	-226.02	-612.85	2,733.45	2,706.90	26.54	102.984	
4,400.00	3,759.46	3,194.99	3,141.16	43.92	14.45	-177.67	-230.71	-623.69	2,810.86	2,783.80	27.06	103.874	
4,500.00	3,838.45	3,215.64	3,161.24	45.22	14.57	-177.68	-232.59	-628.14	2,888.71	2,861.41	27.30	105.812	
4,600.00	3,917.44	3,253.41	3,197.91	46.51	14.77	-177.70	-236.14	-636.48	2,967.17	2,939.48	27.69	107.160	
4,700.00	3,996.43	3,293.95	3,237.18	47.81	15.00	-177.72	-240.10	-645.73	3,046.14	3,018.04	28.10	108.397	
4,800.00	4,075.42	3,412.88	3,352.73	49.10	15.65	-177.80	-251.70	-671.34	3,124.08	3,094.87	29.21	106.952	
4,900.00	4,154.40	3,474.82	3,413.69	50.40	16.41	-177.80	-257.52	-698.30	3,202.08	3,172.05	30.03	107.980	
5,000.00	4,233.39	3,553.81	3,492.68	51.70	17.24	-177.72	-267.96	-730.79	3,280.29	3,247.29	30.87	109.060	

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-20-01
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-20-01	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						
5,100.00	4,312.38	9,804.98	6,974.96	52.99	78.92	151.14	-278.57	2,146.44	3,006.29	2,936.04	70.25	42.794						
5,200.00	4,391.37	9,853.09	6,976.63	54.29	80.16	150.33	-279.26	2,194.52	2,951.87	2,878.51	73.35	40.241						
5,300.00	4,470.36	9,931.40	6,979.20	55.59	82.17	149.00	-279.77	2,272.78	2,898.46	2,821.31	77.16	37.567						
5,400.00	4,549.34	10,015.22	6,981.37	56.89	84.32	147.53	-279.92	2,356.57	2,845.94	2,764.70	81.24	35.031						
5,500.00	4,628.33	10,099.77	6,981.73	58.18	86.50	145.99	-281.39	2,441.10	2,794.30	2,708.69	85.60	32.643						
5,600.00	4,707.32	10,138.64	6,981.68	59.48	87.51	145.26	-282.31	2,479.96	2,744.16	2,654.98	89.18	30.770						
5,700.00	4,786.31	10,186.98	6,982.03	60.78	88.76	144.36	-283.18	2,528.29	2,695.94	2,602.85	93.09	28.961						
5,800.00	4,865.30	10,247.34	6,982.33	62.08	90.33	143.21	-284.45	2,588.64	2,649.48	2,552.05	97.43	27.193						
5,900.00	4,944.28	10,308.98	6,981.86	63.38	91.93	142.00	-286.39	2,650.24	2,604.71	2,502.71	102.00	25.537						
6,000.00	5,023.27	10,368.29	6,981.44	64.68	93.47	140.83	-288.00	2,709.54	2,561.81	2,455.16	106.65	24.021						
6,100.00	5,102.26	10,460.77	6,980.15	65.97	95.88	138.97	-290.04	2,801.98	2,520.58	2,408.25	112.33	22.439						
6,200.00	5,181.25	10,517.18	6,978.61	67.27	97.35	137.81	-291.28	2,858.35	2,481.03	2,363.79	117.24	21.162						
6,300.00	5,260.24	10,568.98	6,977.22	68.57	98.70	136.73	-292.42	2,910.12	2,443.83	2,321.70	122.14	20.009						
6,400.00	5,339.23	10,666.34	6,974.75	69.87	101.25	134.70	-293.17	3,007.44	2,408.62	2,280.20	128.42	18.756						
6,500.00	5,418.21	10,701.13	6,974.08	71.17	102.16	133.97	-293.01	3,042.23	2,375.60	2,242.60	133.00	17.861						
6,600.00	5,497.20	10,738.30	6,973.66	72.47	103.13	133.20	-292.91	3,079.39	2,345.55	2,207.87	137.68	17.036						
6,700.00	5,576.19	10,759.98	6,973.57	73.77	103.70	132.74	-292.89	3,101.07	2,318.63	2,176.75	141.87	16.343						
6,800.00	5,655.18	10,801.20	6,973.92	75.07	104.78	131.88	-292.99	3,142.29	2,294.89	2,148.25	146.64	15.650						
6,900.00	5,734.17	10,831.40	6,974.71	76.37	105.58	131.24	-293.20	3,172.48	2,274.64	2,123.64	151.00	15.064						
7,000.00	5,813.15	10,866.89	6,976.17	77.67	106.51	130.51	-293.60	3,207.94	2,257.85	2,102.40	155.45	14.525						
7,100.00	5,892.14	10,915.05	6,978.16	78.97	107.78	129.50	-294.46	3,256.05	2,244.27	2,084.00	160.27	14.003						
7,200.00	5,971.13	10,970.04	6,980.16	80.27	109.23	128.34	-295.84	3,310.98	2,233.83	2,068.56	165.27	13.516						
7,300.00	6,050.12	11,049.68	6,982.86	81.57	111.33	126.66	-297.41	3,390.56	2,226.05	2,054.94	171.11	13.010						
7,400.00	6,129.11	11,108.81	6,984.35	82.86	112.89	125.40	-298.44	3,449.67	2,220.98	2,044.88	176.09	12.613						
7,500.00	6,208.09	11,169.24	6,985.15	84.16	114.49	124.10	-299.69	3,510.08	2,218.91	2,037.90	181.01	12.259						
7,520.16	6,224.02	11,182.19	6,985.33	84.43	114.83	123.82	-299.93	3,523.02	2,218.85	2,036.84	182.01	12.191						
7,600.00	6,287.08	11,234.13	6,986.24	85.46	116.20	122.70	-300.71	3,574.95	2,219.77	2,033.83	185.94	11.938						
7,700.00	6,366.07	11,286.98	6,986.92	86.76	117.60	121.57	-301.51	3,627.79	2,223.63	2,033.42	190.22	11.690						
7,800.00	6,445.06	11,337.91	6,986.73	88.06	118.95	120.46	-302.62	3,678.70	2,230.72	2,036.49	194.23	11.485						
7,900.00	6,524.05	11,400.62	6,985.95	89.36	120.61	119.10	-304.01	3,741.40	2,240.89	2,042.37	198.53	11.288						
8,000.00	6,603.03	11,465.09	6,984.83	90.66	122.32	117.70	-305.20	3,805.84	2,253.97	2,051.30	202.67	11.121						
8,100.00	6,682.02	11,529.48	6,982.99	91.96	124.02	116.30	-306.16	3,870.20	2,269.86	2,063.29	206.58	10.988						
8,133.44	6,708.44	11,546.16	6,982.54	92.40	124.47	115.93	-306.37	3,886.88	2,275.83	2,068.20	207.63	10.961						
8,150.00	6,721.39	11,555.33	6,982.33	92.62	124.71	114.33	-306.48	3,896.04	2,278.88	2,070.71	208.18	10.947						
8,200.00	6,758.90	11,586.07	6,981.84	93.34	125.52	109.93	-306.82	3,926.78	2,288.19	2,078.26	209.94	10.899						
8,250.00	6,793.76	11,621.35	6,981.72	94.13	126.46	106.11	-307.14	3,962.05	2,297.46	2,085.61	211.85	10.845						
8,300.00	6,825.72	11,660.53	6,981.66	95.00	127.50	102.77	-307.44	4,001.23	2,306.44	2,092.53	213.91	10.782						
8,350.00	6,854.52	11,702.34	6,981.35	95.93	128.61	99.87	-307.74	4,043.03	2,314.94	2,098.87	216.07	10.714						
8,400.00	6,879.97	11,753.02	6,980.70	96.92	129.96	97.30	-308.01	4,093.71	2,322.70	2,104.11	218.59	10.626						
8,450.00	6,901.84	11,808.82	6,979.87	97.95	131.44	95.11	-308.05	4,149.51	2,329.43	2,108.10	221.33	10.525						
8,500.00	6,920.00	11,854.73	6,979.15	99.02	132.66	93.45	-307.96	4,195.41	2,335.05	2,111.39	223.66	10.440						
8,550.00	6,934.28	11,885.00	6,978.68	100.12	133.46	92.26	-307.90	4,225.68	2,339.59	2,114.25	225.34	10.383 SF						
8,600.00	6,944.59	11,885.00	6,978.68	101.22	133.46	91.51	-307.90	4,225.68	2,343.68	2,117.99	225.70	10.384						
8,650.00	6,950.84	11,885.00	6,978.68	102.33	133.46	90.94	-307.90	4,225.68	2,347.50	2,121.54	225.96	10.389						
8,701.16	6,953.00	11,885.00	6,978.68	103.44	133.46	90.53	-307.90	4,225.68	2,351.07	2,124.96	226.12	10.398						
8,800.00	6,953.00	11,885.00	6,978.68	105.59	133.46	90.53	-307.90	4,225.68	2,359.72	2,133.56	226.16	10.434						
8,900.00	6,953.00	11,885.00	6,978.68	107.79	133.46	90.53	-307.90	4,225.68	2,372.62	2,146.78	225.84	10.506						
9,000.00	6,953.00	11,885.00	6,978.68	110.02	133.46	90.53	-307.90	4,225.68	2,389.65	2,164.46	225.18	10.612						
9,100.00	6,953.00	11,885.00	6,978.68	112.26	133.46	90.53	-307.90	4,225.68	2,410.70	2,186.50	224.21	10.752						
9,200.00	6,953.00	11,885.00	6,978.68	114.52	133.46	90.53	-307.90	4,225.68	2,435.69	2,212.76	222.92	10.926						
9,300.00	6,953.00	11,885.00	6,978.68	116.80	133.46	90.53	-307.90	4,225.68	2,464.48	2,243.11	221.37	11.133						
9,400.00	6,953.00	11,885.00	6,978.68	119.10	133.46	90.53	-307.90	4,225.68	2,496.94	2,277.38	219.56	11.372						

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-20-01
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-20-01	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		
9,500.00	6,953.00	11,885.00	6,978.68	121.42	133.46	90.53	-307.90	4,225.68	2,532.94	2,315.41	217.53	11.644		
9,600.00	6,953.00	11,885.00	6,978.68	123.75	133.46	90.53	-307.90	4,225.68	2,572.33	2,357.01	215.32	11.947		
9,700.00	6,953.00	11,885.00	6,978.68	126.10	133.46	90.53	-307.90	4,225.68	2,614.95	2,402.01	212.94	12.280		
9,800.00	6,953.00	11,885.00	6,978.68	128.46	133.46	90.53	-307.90	4,225.68	2,660.64	2,450.22	210.42	12.644		
9,900.00	6,953.00	11,885.00	6,978.68	130.84	133.46	90.53	-307.90	4,225.68	2,709.26	2,501.46	207.80	13.038		
10,000.00	6,953.00	11,885.00	6,978.68	133.23	133.46	90.53	-307.90	4,225.68	2,760.65	2,555.55	205.10	13.460		
10,100.00	6,953.00	11,885.00	6,978.68	135.63	133.46	90.53	-307.90	4,225.68	2,814.65	2,612.31	202.34	13.911		
10,200.00	6,953.00	11,885.00	6,978.68	138.04	133.46	90.53	-307.90	4,225.68	2,871.12	2,671.59	199.53	14.389		
10,300.00	6,953.00	11,885.00	6,978.68	140.46	133.46	90.53	-307.90	4,225.68	2,929.91	2,733.20	196.71	14.895		
10,400.00	6,953.00	11,885.00	6,978.68	142.90	133.46	90.53	-307.90	4,225.68	2,990.90	2,797.02	193.88	15.426		
10,500.00	6,953.00	11,885.00	6,978.68	145.34	133.46	90.53	-307.90	4,225.68	3,053.94	2,862.88	191.06	15.984		
10,600.00	6,953.00	11,885.00	6,978.68	147.80	133.46	90.53	-307.90	4,225.68	3,118.91	2,930.65	188.26	16.567		
10,700.00	6,953.00	11,885.00	6,978.68	150.26	133.46	90.53	-307.90	4,225.68	3,185.70	3,000.21	185.50	17.174		
10,800.00	6,953.00	11,885.00	6,978.68	152.73	133.46	90.53	-307.90	4,225.68	3,254.19	3,071.42	182.77	17.805		
10,900.00	6,953.00	11,885.00	6,978.68	155.21	133.46	90.53	-307.90	4,225.68	3,324.28	3,144.19	180.09	18.459		
11,000.00	6,953.00	11,885.00	6,978.68	157.70	133.46	90.53	-307.90	4,225.68	3,395.87	3,218.41	177.46	19.136		
11,100.00	6,953.00	11,885.00	6,978.68	160.20	133.46	90.53	-307.90	4,225.68	3,468.86	3,293.97	174.89	19.834		
11,200.00	6,953.00	11,885.00	6,978.68	162.70	133.46	90.53	-307.90	4,225.68	3,543.17	3,370.79	172.38	20.554		
11,300.00	6,953.00	11,885.00	6,978.68	165.21	133.46	90.53	-307.90	4,225.68	3,618.72	3,448.79	169.93	21.295		
11,400.00	6,953.00	11,885.00	6,978.68	167.73	133.46	90.53	-307.90	4,225.68	3,695.43	3,527.88	167.55	22.055		
11,500.00	6,953.00	11,885.00	6,978.68	170.25	133.46	90.53	-307.90	4,225.68	3,773.24	3,608.00	165.23	22.836		
11,600.00	6,953.00	11,885.00	6,978.68	172.78	133.46	90.53	-307.90	4,225.68	3,852.06	3,689.08	162.98	23.635		
11,700.00	6,953.00	11,885.00	6,978.68	175.31	133.46	90.53	-307.90	4,225.68	3,931.85	3,771.05	160.80	24.452		
11,800.00	6,953.00	11,885.00	6,978.68	177.85	133.46	90.53	-307.90	4,225.68	4,012.55	3,853.87	158.68	25.287		
11,900.00	6,953.00	11,885.00	6,978.68	180.40	133.46	90.53	-307.90	4,225.68	4,094.09	3,937.47	156.62	26.140		
12,000.00	6,953.00	11,885.00	6,978.68	182.95	133.46	90.53	-307.90	4,225.68	4,176.44	4,021.81	154.63	27.009		
12,100.00	6,953.00	11,885.00	6,978.68	185.50	133.46	90.53	-307.90	4,225.68	4,259.55	4,106.84	152.71	27.894		
12,200.00	6,953.00	11,885.00	6,978.68	188.06	133.46	90.53	-307.90	4,225.68	4,343.37	4,192.53	150.84	28.794		
12,300.00	6,953.00	11,885.00	6,978.68	190.63	133.46	90.53	-307.90	4,225.68	4,427.86	4,278.82	149.04	29.710		
12,400.00	6,953.00	11,885.00	6,978.68	193.20	133.46	90.53	-307.90	4,225.68	4,512.98	4,365.69	147.29	30.641		
12,500.00	6,953.00	11,885.00	6,978.68	195.77	133.46	90.53	-307.90	4,225.68	4,598.70	4,453.10	145.60	31.585		
12,600.00	6,953.00	11,885.00	6,978.68	198.35	133.46	90.53	-307.90	4,225.68	4,684.99	4,541.03	143.96	32.543		
12,700.00	6,953.00	11,885.00	6,978.68	200.93	133.46	90.53	-307.90	4,225.68	4,771.81	4,629.43	142.38	33.514		
12,800.00	6,953.00	11,885.00	6,978.68	203.51	133.46	90.53	-307.90	4,225.68	4,859.14	4,718.29	140.85	34.498		
12,900.00	6,953.00	11,885.00	6,978.68	206.10	133.46	90.53	-307.90	4,225.68	4,946.96	4,807.58	139.37	35.494		
13,000.00	6,953.00	11,885.00	6,978.68	208.69	133.46	90.53	-307.90	4,225.68	5,035.22	4,897.28	137.94	36.502		
13,100.00	6,953.00	11,885.00	6,978.68	211.29	133.46	90.53	-307.90	4,225.68	5,123.92	4,987.35	136.56	37.521		
13,200.00	6,953.00	11,885.00	6,978.68	213.88	133.46	90.53	-307.90	4,225.68	5,213.02	5,077.80	135.22	38.551		
13,300.00	6,953.00	11,885.00	6,978.68	216.48	133.46	90.53	-307.90	4,225.68	5,302.52	5,168.58	133.93	39.592		
13,400.00	6,953.00	11,885.00	6,978.68	219.09	133.46	90.53	-307.90	4,225.68	5,392.38	5,259.70	132.68	40.642		
13,500.00	6,953.00	11,885.00	6,978.68	221.69	133.46	90.53	-307.90	4,225.68	5,482.59	5,351.12	131.47	41.703		
13,600.00	6,953.00	11,885.00	6,978.68	224.30	133.46	90.53	-307.90	4,225.68	5,573.14	5,442.84	130.30	42.772		
13,700.00	6,953.00	11,885.00	6,978.68	226.92	133.46	90.53	-307.90	4,225.68	5,664.01	5,534.84	129.16	43.851		
13,800.00	6,953.00	11,885.00	6,978.68	229.53	133.46	90.53	-307.90	4,225.68	5,755.18	5,627.11	128.07	44.939		
13,900.00	6,953.00	11,885.00	6,978.68	232.15	133.46	90.53	-307.90	4,225.68	5,846.63	5,719.63	127.01	46.034		
14,000.00	6,953.00	11,885.00	6,978.68	234.77	133.46	90.53	-307.90	4,225.68	5,938.37	5,812.39	125.98	47.138		
14,100.00	6,953.00	11,885.00	6,978.68	237.39	133.46	90.53	-307.90	4,225.68	6,030.36	5,905.38	124.98	48.249		
14,200.00	6,953.00	11,885.00	6,978.68	240.01	133.46	90.53	-307.90	4,225.68	6,122.61	5,998.59	124.02	49.368		
14,300.00	6,953.00	11,885.00	6,978.68	242.64	133.46	90.53	-307.90	4,225.68	6,215.10	6,092.01	123.09	50.493		
14,400.00	6,953.00	11,885.00	6,978.68	245.27	133.46	90.53	-307.90	4,225.68	6,307.81	6,185.63	122.18	51.625		
14,500.00	6,953.00	11,885.00	6,978.68	247.90	133.46	90.53	-307.90	4,225.68	6,400.75	6,279.44	121.31	52.764		
14,600.00	6,953.00	11,885.00	6,978.68	250.53	133.46	90.53	-307.90	4,225.68	6,493.89	6,373.43	120.46	53.909		

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-20-01
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-20-01	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		
14,700.00	6,953.00	11,885.00	6,978.68	253.16	133.46	90.53	-307.90	4,225.68	6,587.24	6,467.60	119.64	55.059		
14,800.00	6,953.00	11,885.00	6,978.68	255.80	133.46	90.53	-307.90	4,225.68	6,680.78	6,561.94	118.84	56.215		
14,900.00	6,953.00	11,885.00	6,978.68	258.43	133.46	90.53	-307.90	4,225.68	6,774.50	6,656.43	118.07	57.377		
15,000.00	6,953.00	11,885.00	6,978.68	261.07	133.46	90.53	-307.90	4,225.68	6,868.40	6,751.08	117.32	58.543		
15,100.00	6,953.00	11,885.00	6,978.68	263.71	133.46	90.53	-307.90	4,225.68	6,962.47	6,845.88	116.60	59.714		
15,200.00	6,953.00	11,885.00	6,978.68	266.36	133.46	90.53	-307.90	4,225.68	7,056.71	6,940.81	115.89	60.890		
15,300.00	6,953.00	11,885.00	6,978.68	269.00	133.46	90.53	-307.90	4,225.68	7,151.10	7,035.89	115.21	62.070		
15,400.00	6,953.00	11,885.00	6,978.68	271.65	133.46	90.53	-307.90	4,225.68	7,245.64	7,131.09	114.55	63.253		
15,500.00	6,953.00	11,885.00	6,978.68	274.29	133.46	90.53	-307.90	4,225.68	7,340.32	7,226.42	113.91	64.441		
15,600.00	6,953.00	11,885.00	6,978.68	276.94	133.46	90.53	-307.90	4,225.68	7,435.15	7,321.86	113.28	65.633		
15,700.00	6,953.00	11,885.00	6,978.68	279.59	133.46	90.53	-307.90	4,225.68	7,530.11	7,417.43	112.68	66.828		
15,800.00	6,953.00	11,885.00	6,978.68	282.24	133.46	90.53	-307.90	4,225.68	7,625.19	7,513.10	112.09	68.026		
15,900.00	6,953.00	11,885.00	6,978.68	284.90	133.46	90.53	-307.90	4,225.68	7,720.40	7,608.88	111.52	69.227		
16,000.00	6,953.00	11,885.00	6,978.68	287.55	133.46	90.53	-307.90	4,225.68	7,815.73	7,704.76	110.97	70.431		
16,100.00	6,953.00	11,885.00	6,978.68	290.20	133.46	90.53	-307.90	4,225.68	7,911.18	7,800.75	110.43	71.637		
16,200.00	6,953.00	11,885.00	6,978.68	292.86	133.46	90.53	-307.90	4,225.68	8,006.74	7,896.83	109.91	72.846		
16,300.00	6,953.00	11,885.00	6,978.68	295.52	133.46	90.53	-307.90	4,225.68	8,102.40	7,993.00	109.41	74.058		
16,400.00	6,953.00	11,885.00	6,978.68	298.18	133.46	90.53	-307.90	4,225.68	8,198.17	8,089.26	108.92	75.271		
16,500.00	6,953.00	11,885.00	6,978.68	300.84	133.46	90.53	-307.90	4,225.68	8,294.04	8,185.60	108.44	76.487		
16,600.00	6,953.00	11,885.00	6,978.68	303.50	133.46	90.53	-307.90	4,225.68	8,390.00	8,282.03	107.97	77.704		
16,700.00	6,953.00	11,885.00	6,978.68	306.16	133.46	90.53	-307.90	4,225.68	8,486.06	8,378.54	107.52	78.923		
16,800.00	6,953.00	11,885.00	6,978.68	308.82	133.46	90.53	-307.90	4,225.68	8,582.21	8,475.12	107.09	80.143		
16,900.00	6,953.00	11,885.00	6,978.68	311.49	133.46	90.53	-307.90	4,225.68	8,678.44	8,571.78	106.66	81.365		
17,000.00	6,953.00	11,885.00	6,978.68	314.15	133.46	90.53	-307.90	4,225.68	8,774.76	8,668.52	106.25	82.588		
17,100.00	6,953.00	11,885.00	6,978.68	316.82	133.46	90.53	-307.90	4,225.68	8,871.16	8,765.32	105.85	83.811		
17,200.00	6,953.00	11,885.00	6,978.68	319.48	133.46	90.53	-307.90	4,225.68	8,967.64	8,862.19	105.46	85.036		
17,300.00	6,953.00	11,885.00	6,978.68	322.15	133.46	90.53	-307.90	4,225.68	9,064.20	8,959.12	105.08	86.262		
17,400.00	6,953.00	11,885.00	6,978.68	324.82	133.46	90.53	-307.90	4,225.68	9,160.83	9,056.12	104.71	87.488		
17,500.00	6,953.00	11,885.00	6,978.68	327.49	133.46	90.53	-307.90	4,225.68	9,257.53	9,153.18	104.35	88.715		
17,600.00	6,953.00	11,885.00	6,978.68	330.16	133.46	90.53	-307.90	4,225.68	9,354.30	9,250.30	104.00	89.942		
17,700.00	6,953.00	11,885.00	6,978.68	332.83	133.46	90.53	-307.90	4,225.68	9,451.14	9,347.47	103.66	91.170		
17,800.00	6,953.00	11,885.00	6,978.68	335.50	133.46	90.53	-307.90	4,225.68	9,548.04	9,444.70	103.34	92.398		
17,900.00	6,953.00	11,885.00	6,978.68	338.17	133.46	90.53	-307.90	4,225.68	9,645.01	9,541.99	103.02	93.626		
18,000.00	6,953.00	11,885.00	6,978.68	340.85	133.46	90.53	-307.90	4,225.68	9,742.03	9,639.33	102.71	94.854		
18,100.00	6,953.00	11,885.00	6,978.68	343.52	133.46	90.53	-307.90	4,225.68	9,839.12	9,736.72	102.40	96.082		
18,200.00	6,953.00	11,885.00	6,978.68	346.19	133.46	90.53	-307.90	4,225.68	9,936.27	9,834.16	102.11	97.309		
18,300.00	6,953.00	11,885.00	6,978.68	348.87	133.46	90.53	-307.90	4,225.68	10,033.47	9,931.64	101.82	98.536		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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				
0.00	0.00	2.99	2.99	0.00	0.00	-91.22	-2.55	-119.58	119.61							
100.00	100.00	102.79	102.78	0.27	0.16	-91.10	-2.30	-119.68	119.70	119.27	0.43	279.488	ES			
200.00	199.98	202.55	202.55	0.63	0.31	-154.54	-1.58	-119.96	121.55	120.61	0.94	129.274				
300.00	299.84	302.56	302.55	0.99	0.65	-155.10	-0.66	-120.29	126.59	124.95	1.64	77.357				
400.00	399.45	401.97	401.96	1.36	1.00	-156.19	0.25	-120.60	134.81	132.45	2.36	57.109				
500.00	498.70	498.10	498.07	1.76	1.34	-157.68	0.88	-122.01	147.45	144.37	3.08	47.895				
600.00	597.47	593.41	593.32	2.18	1.68	-159.89	-0.32	-125.10	165.37	161.58	3.79	43.652				
700.00	695.62	684.00	683.70	2.63	2.00	-162.73	-4.49	-129.57	188.98	184.50	4.48	42.168				
800.00	793.06	774.07	773.25	3.11	2.33	-165.86	-11.61	-136.03	219.07	213.90	5.17	42.371				
900.00	889.64	857.30	855.59	3.64	2.65	-168.59	-20.43	-144.36	256.20	250.37	5.83	43.951				
1,000.00	985.27	942.89	939.86	4.22	3.00	-171.00	-30.85	-155.03	299.57	293.07	6.50	46.102				
1,100.00	1,079.82	1,031.43	1,027.00	4.84	3.38	-172.94	-41.57	-166.50	346.84	339.65	7.19	48.235				
1,200.00	1,173.17	1,121.59	1,115.81	5.52	3.77	-174.58	-52.62	-177.38	396.74	388.84	7.90	50.227				
1,300.00	1,265.21	1,205.48	1,198.52	6.26	4.14	-175.90	-63.19	-186.67	449.15	440.58	8.58	52.361				
1,400.00	1,355.84	1,282.87	1,274.68	7.06	4.49	-176.95	-73.42	-195.76	505.40	496.18	9.22	54.803				
1,500.00	1,444.94	1,359.00	1,349.55	7.92	4.83	-177.71	-82.96	-205.72	565.35	555.49	9.86	57.320				
1,600.00	1,532.39	1,440.04	1,429.28	8.84	5.20	-178.37	-92.81	-216.44	628.09	617.54	10.55	59.560				
1,700.00	1,618.11	1,515.06	1,503.09	9.83	5.55	-178.92	-102.09	-226.08	693.37	682.17	11.19	61.948				
1,800.00	1,701.97	1,592.42	1,579.22	10.89	5.90	-179.44	-111.88	-235.80	761.19	749.32	11.86	64.155				
1,900.00	1,783.88	1,670.31	1,655.94	12.02	6.26	-179.93	-121.64	-244.97	831.01	818.46	12.55	66.228				
1,991.28	1,856.86	1,730.52	1,715.28	13.11	6.53	179.73	-129.11	-251.96	896.78	883.68	13.10	68.476				
2,000.00	1,863.75	1,736.20	1,720.88	13.21	6.56	179.71	-129.81	-252.63	903.17	890.02	13.15	68.667				
2,100.00	1,942.74	1,788.87	1,772.74	14.45	6.80	179.47	-136.31	-259.13	976.82	963.17	13.64	71.604				
2,200.00	2,021.72	1,831.64	1,814.70	15.69	7.01	179.33	-141.61	-265.47	1,051.93	1,037.88	14.05	74.869				
2,300.00	2,100.71	1,880.54	1,862.49	16.95	7.25	179.23	-147.71	-273.86	1,128.41	1,113.90	14.51	77.785				
2,400.00	2,179.70	1,941.93	1,922.41	18.21	7.55	179.11	-155.62	-284.62	1,205.27	1,190.20	15.07	79.976				
2,500.00	2,258.69	2,022.75	2,001.34	19.47	7.96	178.93	-166.41	-298.19	1,281.87	1,266.07	15.80	81.117				
2,600.00	2,337.68	2,086.37	2,063.59	20.74	8.27	178.78	-175.00	-308.14	1,357.82	1,341.43	16.39	82.828				
2,700.00	2,416.66	2,144.00	2,119.91	22.02	8.56	178.69	-182.48	-317.78	1,434.24	1,417.31	16.94	84.691				
2,800.00	2,495.65	2,208.11	2,182.54	23.29	8.88	178.62	-190.54	-328.82	1,510.84	1,493.31	17.53	86.170				
2,900.00	2,574.64	2,279.45	2,252.30	24.57	9.24	178.55	-199.38	-340.87	1,587.19	1,569.00	18.20	87.231				
3,000.00	2,653.63	2,351.43	2,322.75	25.85	9.60	178.48	-208.36	-352.64	1,663.25	1,644.38	18.86	88.166				
3,100.00	2,732.62	2,421.65	2,391.51	27.14	9.94	178.40	-217.22	-363.78	1,739.08	1,719.56	19.52	89.083				
3,200.00	2,811.61	2,484.68	2,453.23	28.42	10.26	178.33	-225.28	-373.65	1,814.84	1,794.72	20.12	90.201				
3,300.00	2,890.59	2,558.33	2,525.36	29.71	10.62	178.25	-234.82	-385.17	1,890.64	1,869.83	20.81	90.851				
3,400.00	2,969.58	2,621.00	2,586.83	31.00	10.93	178.18	-242.79	-394.37	1,965.82	1,944.41	21.41	91.826				
3,500.00	3,048.57	2,678.15	2,642.85	32.29	11.21	178.12	-250.24	-402.84	2,041.22	2,019.26	21.96	92.948				
3,600.00	3,127.56	2,720.39	2,684.14	33.58	11.42	178.07	-256.11	-409.58	2,117.48	2,095.10	22.38	94.599				
3,700.00	3,206.55	2,809.89	2,771.63	34.87	11.87	177.97	-268.48	-423.79	2,193.70	2,170.48	23.22	94.465				
3,800.00	3,285.53	2,851.05	2,811.87	36.16	12.09	177.92	-274.22	-430.25	2,269.86	2,246.22	23.64	96.019				
3,900.00	3,364.52	2,908.00	2,867.36	37.45	12.38	177.85	-282.89	-439.69	2,346.87	2,322.68	24.20	96.992				
4,000.00	3,443.51	2,978.70	2,936.23	38.74	12.75	177.76	-293.87	-451.30	2,423.99	2,399.11	24.88	97.433				
4,100.00	3,522.50	3,111.97	3,066.68	40.04	13.42	177.61	-312.89	-470.82	2,499.63	2,473.52	26.11	95.747				
4,200.00	3,601.49	3,149.00	3,102.97	41.33	13.60	177.57	-317.98	-476.17	2,574.89	2,548.40	26.49	97.189				
4,300.00	3,680.47	3,195.00	3,147.99	42.63	13.83	177.53	-324.34	-483.12	2,650.66	2,623.70	26.96	98.327				
4,400.00	3,759.46	3,306.65	3,257.46	43.92	14.38	177.47	-338.89	-499.51	2,725.82	2,697.82	27.99	97.373				
4,500.00	3,838.45	3,350.24	3,300.23	45.22	14.60	177.45	-344.47	-505.87	2,800.96	2,772.52	28.44	98.493				
4,600.00	3,917.44	3,386.00	3,335.26	46.51	14.77	177.43	-349.19	-511.30	2,876.64	2,847.83	28.81	99.839				
4,700.00	3,996.43	3,446.47	3,394.41	47.81	15.08	177.40	-357.39	-520.77	2,952.66	2,923.25	29.41	100.409				
4,800.00	4,075.42	3,524.59	3,470.80	49.10	15.47	177.36	-368.10	-533.19	3,028.89	2,998.74	30.16	100.440				
4,900.00	4,154.40	3,577.00	3,522.14	50.40	15.74	177.34	-374.94	-541.17	3,104.58	3,073.90	30.68	101.195				
5,000.00	4,233.39	3,616.01	3,560.31	51.70	15.94	177.32	-380.18	-547.30	3,180.75	3,149.67	31.08	102.325				

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-20-01
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-20-01	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	4,312.38	3,639.24	3,582.95	52.99	16.06	177.31	-383.55	-551.25	3,257.84	3,226.50	31.35	103.928		
5,200.00	4,391.37	10,134.67	7,131.52	54.29	83.85	144.47	-626.14	2,360.20	3,262.93	3,181.19	81.75	39.915		
5,300.00	4,470.36	10,163.80	7,131.32	55.59	84.60	144.01	-625.65	2,389.33	3,211.44	3,126.70	84.74	37.900		
5,400.00	4,549.34	10,219.41	7,131.47	56.89	86.02	143.12	-624.64	2,444.92	3,161.70	3,073.38	88.32	35.798		
5,500.00	4,628.33	10,304.80	7,131.96	58.18	88.21	141.76	-621.13	2,530.24	3,112.68	3,020.12	92.57	33.626		
5,600.00	4,707.32	10,342.01	7,132.16	59.48	89.17	141.15	-619.70	2,567.42	3,065.27	2,969.25	96.02	31.923		
5,700.00	4,786.31	10,378.00	7,132.32	60.78	90.09	140.56	-618.74	2,603.40	3,019.74	2,920.18	99.55	30.333		
5,800.00	4,865.30	10,426.15	7,132.51	62.08	91.33	139.76	-617.80	2,651.54	2,976.08	2,872.63	103.45	28.768		
5,900.00	4,944.28	10,473.00	7,132.74	63.38	92.54	138.97	-617.06	2,698.38	2,934.28	2,826.86	107.42	27.315		
6,000.00	5,023.27	10,510.03	7,132.96	64.68	93.50	138.34	-616.69	2,735.41	2,894.53	2,783.26	111.27	26.014		
6,100.00	5,102.26	10,546.66	7,133.23	65.97	94.45	137.71	-616.61	2,772.04	2,857.02	2,741.84	115.18	24.805		
6,200.00	5,181.25	10,569.00	7,133.43	67.27	95.03	137.32	-616.70	2,794.38	2,821.88	2,703.10	118.79	23.756		
6,300.00	5,260.24	10,615.20	7,133.77	68.57	96.24	136.51	-617.42	2,840.57	2,789.12	2,666.05	123.08	22.662		
6,400.00	5,339.23	10,664.00	7,133.96	69.87	97.51	135.64	-619.08	2,889.34	2,759.08	2,631.56	127.52	21.636		
6,500.00	5,418.21	10,727.58	7,134.04	71.17	99.17	134.49	-621.33	2,952.88	2,731.34	2,598.88	132.46	20.620		
6,600.00	5,497.20	10,835.00	7,134.18	72.47	101.97	132.56	-622.19	3,060.29	2,704.44	2,565.73	138.70	19.498		
6,700.00	5,576.19	10,889.12	7,134.33	73.77	103.39	131.58	-621.97	3,114.41	2,679.65	2,536.21	143.45	18.680		
6,800.00	5,655.18	10,915.90	7,134.41	75.07	104.09	131.10	-622.17	3,141.19	2,657.79	2,510.40	147.39	18.033		
6,900.00	5,734.17	10,951.00	7,134.49	76.37	105.01	130.45	-622.97	3,176.28	2,639.01	2,487.46	151.55	17.414		
7,000.00	5,813.15	11,106.74	7,134.61	77.67	109.09	127.60	-622.82	3,331.99	2,621.47	2,461.98	159.49	16.436		
7,100.00	5,892.14	11,142.00	7,134.37	78.97	110.01	126.95	-622.16	3,367.25	2,605.77	2,442.10	163.66	15.921		
7,200.00	5,971.13	11,176.19	7,134.10	80.27	110.91	126.31	-621.85	3,401.44	2,593.10	2,425.37	167.73	15.460		
7,300.00	6,050.12	11,198.18	7,133.95	81.57	111.49	125.90	-622.02	3,423.43	2,583.85	2,412.57	171.28	15.085		
7,400.00	6,129.11	11,237.00	7,133.73	82.86	112.51	125.17	-623.04	3,462.23	2,578.13	2,402.83	175.30	14.707		
7,500.00	6,208.09	11,254.50	7,133.61	84.16	112.97	124.84	-623.70	3,479.72	2,575.52	2,397.12	178.41	14.436		
7,545.92	6,244.37	11,292.94	7,133.18	84.76	113.98	124.12	-625.03	3,518.14	2,575.29	2,394.38	180.91	14.235		
7,600.00	6,287.08	11,337.44	7,132.37	85.46	115.16	123.27	-626.42	3,562.60	2,575.62	2,391.80	183.81	14.012		
7,700.00	6,366.07	11,383.02	7,131.98	86.76	116.36	122.42	-627.65	3,608.17	2,578.31	2,390.61	187.69	13.737		
7,800.00	6,445.06	11,436.30	7,132.64	88.06	117.77	121.43	-628.83	3,661.43	2,583.83	2,392.13	191.70	13.479		
7,900.00	6,524.05	11,505.76	7,134.02	89.36	119.61	120.15	-630.03	3,730.86	2,591.85	2,395.68	196.17	13.213		
8,000.00	6,603.03	11,572.90	7,135.26	90.66	121.38	118.92	-630.87	3,797.98	2,602.21	2,401.81	200.40	12.985		
8,100.00	6,682.02	11,691.30	7,136.49	91.96	124.52	116.75	-631.25	3,916.37	2,614.77	2,408.37	206.40	12.669		
8,133.44	6,708.44	11,690.80	7,136.28	92.40	124.50	116.76	-631.04	3,915.87	2,619.02	2,412.14	206.88	12.660		
8,150.00	6,721.39	11,743.06	7,136.02	92.62	125.88	114.48	-630.47	3,968.13	2,621.28	2,412.22	209.05	12.539		
8,200.00	6,758.90	11,782.05	7,135.26	93.34	126.91	110.30	-629.75	4,007.10	2,627.88	2,416.66	211.22	12.441		
8,250.00	6,793.76	11,821.16	7,134.19	94.13	127.95	106.78	-628.95	4,046.19	2,634.33	2,420.94	213.39	12.345		
8,300.00	6,825.72	11,857.24	7,133.12	95.00	128.90	103.84	-628.19	4,082.24	2,640.51	2,425.07	215.44	12.256		
8,350.00	6,854.52	11,896.19	7,131.98	95.93	129.93	101.32	-627.37	4,121.16	2,646.30	2,428.70	217.60	12.161		
8,400.00	6,879.97	11,937.71	7,130.75	96.92	131.03	99.18	-626.49	4,162.66	2,651.51	2,431.66	219.85	12.061		
8,450.00	6,901.84	11,973.00	7,129.71	97.95	131.96	97.47	-625.75	4,197.93	2,656.03	2,434.17	221.87	11.971		
8,500.00	6,920.00	11,973.00	7,129.71	99.02	131.96	96.37	-625.75	4,197.93	2,660.23	2,437.70	222.54	11.954		
8,550.00	6,934.28	11,973.00	7,129.71	100.12	131.96	95.46	-625.75	4,197.93	2,664.31	2,441.18	223.13	11.941		
8,600.00	6,944.59	11,973.00	7,129.71	101.22	131.96	94.73	-625.75	4,197.93	2,668.24	2,444.61	223.64	11.931		
8,650.00	6,950.84	11,973.00	7,129.71	102.33	131.96	94.15	-625.75	4,197.93	2,672.00	2,447.94	224.06	11.925		
8,701.16	6,953.00	11,973.00	7,129.71	103.44	131.96	93.73	-625.75	4,197.93	2,675.63	2,451.24	224.39	11.924 SF		
8,800.00	6,953.00	11,973.00	7,129.71	105.59	131.96	93.73	-625.75	4,197.93	2,684.22	2,459.43	224.79	11.941		
8,900.00	6,953.00	11,973.00	7,129.71	107.79	131.96	93.73	-625.75	4,197.93	2,696.58	2,471.64	224.94	11.988		
9,000.00	6,953.00	11,973.00	7,129.71	110.02	131.96	93.73	-625.75	4,197.93	2,712.57	2,487.76	224.81	12.066		
9,100.00	6,953.00	11,973.00	7,129.71	112.26	131.96	93.73	-625.75	4,197.93	2,732.13	2,507.69	224.43	12.173		
9,200.00	6,953.00	11,973.00	7,129.71	114.52	131.96	93.73	-625.75	4,197.93	2,755.18	2,531.37	223.81	12.310		
9,300.00	6,953.00	11,973.00	7,129.71	116.80	131.96	93.73	-625.75	4,197.93	2,781.64	2,558.68	222.96	12.476		
9,400.00	6,953.00	11,973.00	7,129.71	119.10	131.96	93.73	-625.75	4,197.93	2,811.40	2,589.51	221.90	12.670		

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-20-01
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-20-01	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)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
9,500.00	6,953.00	11,973.00	7,129.71	121.42	131.96	93.73	-625.75	4,197.93	2,844.38	2,623.74	220.64	12.891					
9,600.00	6,953.00	11,973.00	7,129.71	123.75	131.96	93.73	-625.75	4,197.93	2,880.45	2,661.24	219.21	13.140					
9,700.00	6,953.00	11,973.00	7,129.71	126.10	131.96	93.73	-625.75	4,197.93	2,919.50	2,701.88	217.62	13.416					
9,800.00	6,953.00	11,973.00	7,129.71	128.46	131.96	93.73	-625.75	4,197.93	2,961.41	2,745.52	215.89	13.717					
9,900.00	6,953.00	11,973.00	7,129.71	130.84	131.96	93.73	-625.75	4,197.93	3,006.07	2,792.03	214.04	14.044					
10,000.00	6,953.00	11,973.00	7,129.71	133.23	131.96	93.73	-625.75	4,197.93	3,053.35	2,841.26	212.09	14.397					
10,100.00	6,953.00	11,973.00	7,129.71	135.63	131.96	93.73	-625.75	4,197.93	3,103.13	2,893.08	210.05	14.773					
10,200.00	6,953.00	11,973.00	7,129.71	138.04	131.96	93.73	-625.75	4,197.93	3,155.30	2,947.35	207.95	15.173					
10,300.00	6,953.00	11,973.00	7,129.71	140.46	131.96	93.73	-625.75	4,197.93	3,209.74	3,003.95	205.79	15.597					
10,400.00	6,953.00	11,973.00	7,129.71	142.90	131.96	93.73	-625.75	4,197.93	3,266.33	3,062.74	203.59	16.043					
10,500.00	6,953.00	11,973.00	7,129.71	145.34	131.96	93.73	-625.75	4,197.93	3,324.97	3,123.60	201.37	16.512					
10,600.00	6,953.00	11,973.00	7,129.71	147.80	131.96	93.73	-625.75	4,197.93	3,385.54	3,186.42	199.13	17.002					
10,700.00	6,953.00	11,973.00	7,129.71	150.26	131.96	93.73	-625.75	4,197.93	3,447.95	3,251.08	196.88	17.513					
10,800.00	6,953.00	11,973.00	7,129.71	152.73	131.96	93.73	-625.75	4,197.93	3,512.11	3,317.47	194.63	18.045					
10,900.00	6,953.00	11,973.00	7,129.71	155.21	131.96	93.73	-625.75	4,197.93	3,577.90	3,385.50	192.40	18.597					
11,000.00	6,953.00	11,973.00	7,129.71	157.70	131.96	93.73	-625.75	4,197.93	3,645.25	3,455.07	190.18	19.168					
11,100.00	6,953.00	11,973.00	7,129.71	160.20	131.96	93.73	-625.75	4,197.93	3,714.08	3,526.09	187.98	19.758					
11,200.00	6,953.00	11,973.00	7,129.71	162.70	131.96	93.73	-625.75	4,197.93	3,784.29	3,598.48	185.81	20.366					
11,300.00	6,953.00	11,973.00	7,129.71	165.21	131.96	93.73	-625.75	4,197.93	3,855.82	3,672.14	183.68	20.992					
11,400.00	6,953.00	11,973.00	7,129.71	167.73	131.96	93.73	-625.75	4,197.93	3,928.59	3,747.01	181.58	21.636					
11,500.00	6,953.00	11,973.00	7,129.71	170.25	131.96	93.73	-625.75	4,197.93	4,002.54	3,823.02	179.52	22.296					
11,600.00	6,953.00	11,973.00	7,129.71	172.78	131.96	93.73	-625.75	4,197.93	4,077.60	3,900.11	177.49	22.973					
11,700.00	6,953.00	11,973.00	7,129.71	175.31	131.96	93.73	-625.75	4,197.93	4,153.71	3,978.20	175.51	23.666					
11,800.00	6,953.00	11,973.00	7,129.71	177.85	131.96	93.73	-625.75	4,197.93	4,230.82	4,057.24	173.58	24.374					
11,900.00	6,953.00	11,973.00	7,129.71	180.40	131.96	93.73	-625.75	4,197.93	4,308.86	4,137.18	171.68	25.098					
12,000.00	6,953.00	11,973.00	7,129.71	182.95	131.96	93.73	-625.75	4,197.93	4,387.80	4,217.96	169.84	25.836					
12,100.00	6,953.00	11,973.00	7,129.71	185.50	131.96	93.73	-625.75	4,197.93	4,467.58	4,299.55	168.03	26.587					
12,200.00	6,953.00	11,973.00	7,129.71	188.06	131.96	93.73	-625.75	4,197.93	4,548.16	4,381.89	166.28	27.353					
12,300.00	6,953.00	11,973.00	7,129.71	190.63	131.96	93.73	-625.75	4,197.93	4,629.50	4,464.94	164.56	28.132					
12,400.00	6,953.00	11,973.00	7,129.71	193.20	131.96	93.73	-625.75	4,197.93	4,711.56	4,548.66	162.90	28.924					
12,500.00	6,953.00	11,973.00	7,129.71	195.77	131.96	93.73	-625.75	4,197.93	4,794.29	4,633.02	161.27	29.728					
12,600.00	6,953.00	11,973.00	7,129.71	198.35	131.96	93.73	-625.75	4,197.93	4,877.68	4,717.99	159.69	30.544					
12,700.00	6,953.00	11,973.00	7,129.71	200.93	131.96	93.73	-625.75	4,197.93	4,961.68	4,803.52	158.15	31.372					
12,800.00	6,953.00	11,973.00	7,129.71	203.51	131.96	93.73	-625.75	4,197.93	5,046.26	4,889.60	156.66	32.212					
12,900.00	6,953.00	11,973.00	7,129.71	206.10	131.96	93.73	-625.75	4,197.93	5,131.39	4,976.19	155.21	33.062					
13,000.00	6,953.00	11,973.00	7,129.71	208.69	131.96	93.73	-625.75	4,197.93	5,217.06	5,063.27	153.79	33.923					
13,100.00	6,953.00	11,973.00	7,129.71	211.29	131.96	93.73	-625.75	4,197.93	5,303.23	5,150.81	152.42	34.794					
13,200.00	6,953.00	11,973.00	7,129.71	213.88	131.96	93.73	-625.75	4,197.93	5,389.87	5,238.79	151.08	35.675					
13,300.00	6,953.00	11,973.00	7,129.71	216.48	131.96	93.73	-625.75	4,197.93	5,476.97	5,327.18	149.79	36.565					
13,400.00	6,953.00	11,973.00	7,129.71	219.09	131.96	93.73	-625.75	4,197.93	5,564.50	5,415.98	148.53	37.465					
13,500.00	6,953.00	11,973.00	7,129.71	221.69	131.96	93.73	-625.75	4,197.93	5,652.45	5,505.15	147.30	38.374					
13,600.00	6,953.00	11,973.00	7,129.71	224.30	131.96	93.73	-625.75	4,197.93	5,740.79	5,594.68	146.11	39.291					
13,700.00	6,953.00	11,973.00	7,129.71	226.92	131.96	93.73	-625.75	4,197.93	5,829.51	5,684.55	144.95	40.217					
13,800.00	6,953.00	11,973.00	7,129.71	229.53	131.96	93.73	-625.75	4,197.93	5,918.58	5,774.76	143.83	41.150					
13,900.00	6,953.00	11,973.00	7,129.71	232.15	131.96	93.73	-625.75	4,197.93	6,008.01	5,865.27	142.74	42.092					
14,000.00	6,953.00	11,973.00	7,129.71	234.77	131.96	93.73	-625.75	4,197.93	6,097.76	5,956.08	141.67	43.041					
14,100.00	6,953.00	11,973.00	7,129.71	237.39	131.96	93.73	-625.75	4,197.93	6,187.82	6,047.18	140.64	43.997					
14,200.00	6,953.00	11,973.00	7,129.71	240.01	131.96	93.73	-625.75	4,197.93	6,278.18	6,138.54	139.64	44.960					
14,300.00	6,953.00	11,973.00	7,129.71	242.64	131.96	93.73	-625.75	4,197.93	6,368.84	6,230.17	138.67	45.929					
14,400.00	6,953.00	11,973.00	7,129.71	245.27	131.96	93.73	-625.75	4,197.93	6,459.77	6,322.05	137.72	46.905					
14,500.00	6,953.00	11,973.00	7,129.71	247.90	131.96	93.73	-625.75	4,197.93	6,550.96	6,414.16	136.80	47.888					
14,600.00	6,953.00	11,973.00	7,129.71	250.53	131.96	93.73	-625.75	4,197.93	6,642.41	6,506.50	135.90	48.876					

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-20-01
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-20-01	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		
14,700.00	6,953.00	11,973.00	7,129.71	253.16	131.96	93.73	-625.75	4,197.93	6,734.10	6,599.06	135.03	49.870		
14,800.00	6,953.00	11,973.00	7,129.71	255.80	131.96	93.73	-625.75	4,197.93	6,826.02	6,691.83	134.19	50.870		
14,900.00	6,953.00	11,973.00	7,129.71	258.43	131.96	93.73	-625.75	4,197.93	6,918.17	6,784.80	133.36	51.874		
15,000.00	6,953.00	11,973.00	7,129.71	261.07	131.96	93.73	-625.75	4,197.93	7,010.53	6,877.97	132.56	52.884		
15,100.00	6,953.00	11,973.00	7,129.71	263.71	131.96	93.73	-625.75	4,197.93	7,103.10	6,971.32	131.79	53.899		
15,200.00	6,953.00	11,973.00	7,129.71	266.36	131.96	93.73	-625.75	4,197.93	7,195.87	7,064.84	131.03	54.919		
15,300.00	6,953.00	11,973.00	7,129.71	269.00	131.96	93.73	-625.75	4,197.93	7,288.83	7,158.54	130.29	55.942		
15,400.00	6,953.00	11,973.00	7,129.71	271.65	131.96	93.73	-625.75	4,197.93	7,381.97	7,252.40	129.57	56.971		
15,500.00	6,953.00	11,973.00	7,129.71	274.29	131.96	93.73	-625.75	4,197.93	7,475.29	7,346.42	128.88	58.003		
15,600.00	6,953.00	11,973.00	7,129.71	276.94	131.96	93.73	-625.75	4,197.93	7,568.78	7,440.58	128.20	59.039		
15,700.00	6,953.00	11,973.00	7,129.71	279.59	131.96	93.73	-625.75	4,197.93	7,662.44	7,534.90	127.54	60.079		
15,800.00	6,953.00	11,973.00	7,129.71	282.24	131.96	93.73	-625.75	4,197.93	7,756.25	7,629.36	126.90	61.123		
15,900.00	6,953.00	11,973.00	7,129.71	284.90	131.96	93.73	-625.75	4,197.93	7,850.22	7,723.95	126.27	62.170		
16,000.00	6,953.00	11,973.00	7,129.71	287.55	131.96	93.73	-625.75	4,197.93	7,944.34	7,818.67	125.66	63.220		
16,100.00	6,953.00	11,973.00	7,129.71	290.20	131.96	93.73	-625.75	4,197.93	8,038.59	7,913.52	125.07	64.273		
16,200.00	6,953.00	11,973.00	7,129.71	292.86	131.96	93.73	-625.75	4,197.93	8,132.98	8,008.49	124.49	65.330		
16,300.00	6,953.00	11,973.00	7,129.71	295.52	131.96	93.73	-625.75	4,197.93	8,227.51	8,103.58	123.93	66.389		
16,400.00	6,953.00	11,973.00	7,129.71	298.18	131.96	93.73	-625.75	4,197.93	8,322.16	8,198.78	123.38	67.451		
16,500.00	6,953.00	11,973.00	7,129.71	300.84	131.96	93.73	-625.75	4,197.93	8,416.94	8,294.09	122.85	68.515		
16,600.00	6,953.00	11,973.00	7,129.71	303.50	131.96	93.73	-625.75	4,197.93	8,511.84	8,389.51	122.33	69.582		
16,700.00	6,953.00	11,973.00	7,129.71	306.16	131.96	93.73	-625.75	4,197.93	8,606.85	8,485.03	121.82	70.651		
16,800.00	6,953.00	11,973.00	7,129.71	308.82	131.96	93.73	-625.75	4,197.93	8,701.98	8,580.65	121.33	71.722		
16,900.00	6,953.00	11,973.00	7,129.71	311.49	131.96	93.73	-625.75	4,197.93	8,797.21	8,676.36	120.85	72.795		
17,000.00	6,953.00	11,973.00	7,129.71	314.15	131.96	93.73	-625.75	4,197.93	8,892.55	8,772.16	120.38	73.870		
17,100.00	6,953.00	11,973.00	7,129.71	316.82	131.96	93.73	-625.75	4,197.93	8,987.98	8,868.06	119.93	74.946		
17,200.00	6,953.00	11,973.00	7,129.71	319.48	131.96	93.73	-625.75	4,197.93	9,083.52	8,964.04	119.48	76.025		
17,300.00	6,953.00	11,973.00	7,129.71	322.15	131.96	93.73	-625.75	4,197.93	9,179.15	9,060.10	119.05	77.104		
17,400.00	6,953.00	11,973.00	7,129.71	324.82	131.96	93.73	-625.75	4,197.93	9,274.88	9,156.25	118.63	78.186		
17,500.00	6,953.00	11,973.00	7,129.71	327.49	131.96	93.73	-625.75	4,197.93	9,370.69	9,252.48	118.21	79.268		
17,600.00	6,953.00	11,973.00	7,129.71	330.16	131.96	93.73	-625.75	4,197.93	9,466.59	9,348.78	117.81	80.352		
17,700.00	6,953.00	11,973.00	7,129.71	332.83	131.96	93.73	-625.75	4,197.93	9,562.57	9,445.15	117.42	81.437		
17,800.00	6,953.00	11,973.00	7,129.71	335.50	131.96	93.73	-625.75	4,197.93	9,658.64	9,541.60	117.04	82.523		
17,900.00	6,953.00	11,973.00	7,129.71	338.17	131.96	93.73	-625.75	4,197.93	9,754.78	9,638.11	116.67	83.610		
18,000.00	6,953.00	11,973.00	7,129.71	340.85	131.96	93.73	-625.75	4,197.93	9,851.00	9,734.70	116.31	84.697		
18,100.00	6,953.00	11,973.00	7,129.71	343.52	131.96	93.73	-625.75	4,197.93	9,947.30	9,831.35	115.96	85.786		
18,200.00	6,953.00	11,973.00	7,129.71	346.19	131.96	93.73	-625.75	4,197.93	10,043.67	9,928.06	115.61	86.875		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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							
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	
0.00	0.00	2.99	2.99	0.00	0.00	-91.26	-2.19	-99.79	99.82					
100.00	100.00	102.55	102.55	0.27	0.16	-91.18	-2.06	-100.03	100.05	99.62	0.43	233.680	ES	
200.00	199.98	202.08	202.08	0.63	0.31	-154.81	-1.70	-100.70	102.29	101.35	0.94	108.778		
300.00	299.84	301.56	301.55	0.99	0.64	-155.62	-1.13	-101.75	108.09	106.45	1.64	66.090		
400.00	399.45	400.00	399.98	1.36	1.00	-156.86	-0.32	-103.08	117.37	115.01	2.36	49.756		
500.00	498.70	495.00	494.93	1.76	1.34	-158.88	-0.74	-105.74	131.52	128.44	3.08	42.737		
600.00	597.47	590.09	589.83	2.18	1.68	-161.83	-3.87	-110.74	151.85	148.06	3.79	40.065		
700.00	695.62	684.79	684.16	2.63	2.03	-165.12	-9.54	-116.95	177.56	173.06	4.50	39.455		
800.00	793.06	783.06	781.88	3.11	2.40	-168.83	-18.41	-122.16	206.64	201.42	5.22	39.556		
900.00	889.64	870.71	868.82	3.64	2.74	-172.02	-28.60	-126.60	240.22	234.31	5.91	40.626		
1,000.00	985.27	954.39	951.54	4.22	3.08	-174.57	-39.58	-132.76	280.11	273.53	6.58	42.543		
1,100.00	1,079.82	1,041.00	1,036.94	4.84	3.45	-176.70	-51.77	-140.55	325.31	318.04	7.27	44.718		
1,200.00	1,173.17	1,127.36	1,122.01	5.52	3.83	-178.45	-64.39	-148.33	374.12	366.15	7.97	46.937		
1,300.00	1,265.21	1,209.95	1,203.33	6.26	4.19	-179.84	-76.77	-155.82	426.34	417.69	8.65	49.278		
1,400.00	1,355.84	1,285.61	1,277.61	7.06	4.54	-178.95	-89.37	-162.79	482.44	473.15	9.30	51.903		
1,500.00	1,444.94	1,355.11	1,345.58	7.92	4.87	-177.98	-101.74	-170.27	543.06	533.16	9.90	54.856		
1,600.00	1,532.39	1,428.90	1,417.67	8.84	5.23	-177.18	-114.75	-179.19	607.35	596.80	10.54	57.596		
1,700.00	1,618.11	1,498.21	1,485.36	9.83	5.57	-176.59	-126.61	-188.21	674.70	663.54	11.16	60.444		
1,800.00	1,701.97	1,568.57	1,553.99	10.89	5.92	-176.06	-138.82	-197.74	745.05	733.25	11.80	63.157		
1,900.00	1,783.88	1,643.32	1,626.96	12.02	6.29	-175.55	-151.82	-207.42	817.49	805.01	12.48	65.523		
1,991.28	1,856.86	1,700.28	1,682.58	13.11	6.58	-175.14	-161.88	-214.46	885.46	872.45	13.01	68.041		
2,000.00	1,863.75	1,705.09	1,687.27	13.21	6.60	-175.12	-162.77	-215.06	892.08	879.02	13.06	68.281		
2,100.00	1,942.74	1,762.00	1,742.64	14.45	6.89	-174.85	-173.73	-222.28	968.32	954.72	13.60	71.197		
2,200.00	2,021.72	1,798.14	1,777.64	15.69	7.09	-174.68	-181.20	-227.29	1,045.68	1,031.72	13.96	74.898		
2,300.00	2,100.71	1,833.94	1,812.12	16.95	7.28	-174.53	-189.03	-232.95	1,124.57	1,110.25	14.31	78.564		
2,400.00	2,179.70	1,879.06	1,855.29	18.21	7.54	-174.34	-199.43	-240.91	1,204.75	1,190.00	14.75	81.654		
2,500.00	2,258.69	1,948.37	1,921.61	19.47	7.94	-174.06	-215.71	-252.81	1,284.90	1,269.47	15.43	83.275		
2,600.00	2,337.68	2,009.98	1,980.59	20.74	8.30	-173.82	-230.31	-262.97	1,364.78	1,348.74	16.04	85.096		
2,700.00	2,416.66	2,048.00	2,016.99	22.02	8.52	-173.68	-239.37	-269.19	1,444.81	1,428.38	16.42	87.973		
2,800.00	2,495.65	2,102.93	2,069.46	23.29	8.85	-173.50	-252.59	-278.64	1,525.23	1,508.25	16.97	89.852		
2,900.00	2,574.64	2,143.00	2,107.57	24.57	9.09	-173.40	-262.41	-286.15	1,606.54	1,589.16	17.38	92.421		
3,000.00	2,653.63	2,211.94	2,173.11	25.85	9.52	-173.23	-279.34	-299.25	1,688.02	1,669.95	18.08	93.376		
3,100.00	2,732.62	2,295.23	2,252.52	27.14	10.02	-173.05	-299.45	-314.28	1,768.90	1,749.98	18.91	93.524		
3,200.00	2,811.61	2,370.18	2,324.26	28.42	10.47	-172.90	-317.01	-326.99	1,848.93	1,829.26	19.67	94.001		
3,300.00	2,890.59	2,430.00	2,381.55	29.71	10.83	-172.78	-331.21	-336.78	1,928.79	1,908.51	20.28	95.101		
3,400.00	2,969.58	2,475.25	2,424.84	31.00	11.10	-172.70	-341.92	-344.41	2,008.89	1,988.14	20.75	96.800		
3,500.00	3,048.57	2,525.00	2,472.39	32.29	11.40	-172.65	-353.40	-353.52	2,089.52	2,068.25	21.27	98.246		
3,600.00	3,127.56	2,605.57	2,549.66	33.58	11.88	-172.60	-371.06	-367.94	2,169.46	2,147.38	22.08	98.267		
3,700.00	3,206.55	2,672.76	2,614.24	34.87	12.28	-172.57	-385.45	-379.64	2,249.04	2,226.29	22.76	98.827		
3,800.00	3,285.53	2,716.00	2,655.71	36.16	12.53	-172.56	-394.79	-387.55	2,329.17	2,305.97	23.21	100.356		
3,900.00	3,364.52	2,797.31	2,733.74	37.45	13.01	-172.55	-412.04	-402.55	2,409.30	2,385.28	24.02	100.288		
4,000.00	3,443.51	2,921.96	2,854.03	38.74	13.73	-172.56	-436.56	-424.16	2,488.33	2,463.10	25.24	98.605		
4,100.00	3,522.50	2,954.66	2,885.62	40.04	13.92	-172.57	-442.83	-429.79	2,566.99	2,541.40	25.59	100.311		
4,200.00	3,601.49	3,004.00	2,933.22	41.33	14.20	-172.59	-452.40	-438.59	2,646.12	2,620.02	26.10	101.388		
4,300.00	3,680.47	3,032.03	2,960.18	42.63	14.37	-172.59	-458.03	-443.73	2,725.71	2,699.30	26.41	103.202		
4,400.00	3,759.46	3,066.03	2,992.80	43.92	14.57	-172.59	-465.27	-450.03	2,805.89	2,779.11	26.78	104.776		
4,500.00	3,838.45	3,099.00	3,024.32	45.22	14.77	-172.57	-472.72	-456.21	2,886.61	2,859.47	27.14	106.367		
4,600.00	3,917.44	3,155.40	3,078.13	46.51	15.12	-172.54	-485.83	-466.87	2,967.62	2,939.89	27.73	107.016		
4,700.00	3,996.43	3,195.00	3,115.90	47.81	15.36	-172.51	-495.07	-474.38	3,048.73	3,020.57	28.16	108.270		
4,800.00	4,075.42	3,247.11	3,165.49	49.10	15.70	-172.47	-507.76	-484.13	3,130.04	3,101.32	28.72	108.995		
4,900.00	4,154.40	3,577.00	3,481.92	50.40	17.66	-172.11	-585.49	-534.46	3,210.40	3,178.44	31.96	100.460		
5,000.00	4,233.39	3,613.76	3,517.69	51.70	17.87	-172.10	-592.65	-539.05	3,286.82	3,254.45	32.37	101.543		

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-20-01
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-20-01	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	4,312.38	3,637.83	3,541.03	52.99	18.00	172.09	-597.42	-542.43	3,364.07	3,331.41	32.66	102.999		
5,200.00	4,391.37	10,037.19	7,056.45	54.29	82.70	141.37	-965.53	2,308.33	3,399.67	3,310.83	88.85	38.264		
5,300.00	4,470.36	10,199.82	7,057.63	55.59	86.85	138.98	-959.49	2,470.83	3,354.72	3,260.20	94.52	35.494		
5,400.00	4,549.34	10,247.47	7,057.88	56.89	88.07	138.27	-956.68	2,518.40	3,310.20	3,212.15	98.05	33.759		
5,500.00	4,628.33	10,281.00	7,058.31	58.18	88.92	137.77	-954.53	2,551.86	3,267.34	3,165.95	101.39	32.226		
5,600.00	4,707.32	10,334.28	7,058.60	59.48	90.29	136.96	-951.84	2,605.07	3,226.17	3,120.95	105.22	30.660		
5,700.00	4,786.31	10,377.00	7,058.05	60.78	91.39	136.29	-950.92	2,647.77	3,186.98	3,078.02	108.96	29.250		
5,800.00	4,865.30	10,377.00	7,058.05	62.08	91.39	136.29	-950.92	2,647.77	3,150.06	3,038.30	111.76	28.186		
5,900.00	4,944.28	10,419.16	7,057.24	63.38	92.48	135.62	-951.01	2,689.93	3,115.24	2,999.63	115.62	26.945		
6,000.00	5,023.27	10,441.64	7,056.88	64.68	93.06	135.25	-951.42	2,712.40	3,083.03	2,964.01	119.02	25.903		
6,100.00	5,102.26	10,472.00	7,056.45	65.97	93.85	134.76	-952.39	2,742.74	3,053.40	2,930.74	122.66	24.893		
6,200.00	5,181.25	10,472.00	7,056.45	67.27	93.85	134.76	-952.39	2,742.74	3,026.41	2,900.96	125.45	24.124		
6,300.00	5,260.24	10,515.43	7,056.15	68.57	94.98	134.05	-954.31	2,786.12	3,001.90	2,872.42	129.48	23.185		
6,400.00	5,339.23	10,542.41	7,056.21	69.87	95.68	133.61	-955.72	2,813.06	2,980.15	2,847.13	133.02	22.404		
6,500.00	5,418.21	10,573.72	7,056.51	71.17	96.50	133.09	-957.54	2,844.32	2,961.13	2,824.46	136.67	21.667		
6,600.00	5,497.20	10,640.21	7,057.12	72.47	98.24	131.99	-961.47	2,910.70	2,944.45	2,803.03	141.42	20.821		
6,700.00	5,576.19	10,704.65	7,057.38	73.77	99.92	130.93	-965.18	2,975.03	2,929.88	2,783.77	146.12	20.052		
6,800.00	5,655.18	10,769.05	7,057.22	75.07	101.61	129.85	-968.87	3,039.32	2,917.51	2,766.69	150.82	19.344		
6,900.00	5,734.17	10,843.68	7,056.86	76.37	103.56	128.60	-972.75	3,113.85	2,907.26	2,751.41	155.85	18.654		
7,000.00	5,813.15	10,929.75	7,056.95	77.67	105.82	127.17	-976.09	3,199.85	2,898.96	2,737.74	161.22	17.981		
7,100.00	5,892.14	11,012.16	7,057.30	78.97	107.99	125.80	-978.16	3,282.23	2,892.46	2,726.04	166.42	17.380		
7,200.00	5,971.13	11,113.12	7,055.53	80.27	110.64	124.10	-979.87	3,383.16	2,887.39	2,715.16	172.22	16.765		
7,300.00	6,050.12	11,256.17	7,050.06	81.57	114.39	121.67	-979.46	3,526.08	2,883.12	2,703.77	179.35	16.076		
7,400.00	6,129.11	11,288.75	7,048.52	82.86	115.25	121.11	-979.23	3,558.62	2,881.53	2,698.74	182.79	15.764		
7,404.98	6,133.04	11,290.39	7,048.46	82.93	115.29	121.09	-979.22	3,560.26	2,881.53	2,698.57	182.96	15.750		
7,500.00	6,208.09	11,331.00	7,046.97	84.16	116.36	120.40	-979.11	3,600.85	2,882.85	2,696.42	186.42	15.464		
7,600.00	6,287.08	11,372.68	7,045.95	85.46	117.46	119.69	-979.00	3,642.52	2,886.86	2,696.95	189.91	15.201		
7,700.00	6,366.07	11,435.38	7,045.49	86.76	119.11	118.65	-978.46	3,705.21	2,893.29	2,699.31	193.98	14.915		
7,800.00	6,445.06	11,529.88	7,046.24	88.06	121.60	117.10	-976.46	3,799.68	2,901.62	2,702.63	198.99	14.582		
7,900.00	6,524.05	11,600.68	7,047.77	89.36	123.46	115.95	-974.13	3,870.43	2,911.78	2,708.71	203.07	14.339		
8,000.00	6,603.03	11,672.60	7,049.72	90.66	125.35	114.80	-971.31	3,942.26	2,923.87	2,716.80	207.07	14.120		
8,100.00	6,682.02	11,739.09	7,050.70	91.96	127.10	113.73	-968.56	4,008.69	2,937.96	2,727.19	210.77	13.939		
8,133.44	6,708.44	11,759.64	7,050.81	92.40	127.64	113.39	-967.70	4,029.22	2,943.13	2,731.22	211.92	13.888		
8,150.00	6,721.39	11,769.92	7,050.82	92.62	127.91	111.87	-967.27	4,039.49	2,945.75	2,733.26	212.49	13.863		
8,200.00	6,758.90	11,803.08	7,050.70	93.34	128.79	107.75	-965.88	4,072.62	2,953.49	2,739.19	214.30	13.782		
8,250.00	6,793.76	11,837.30	7,050.40	94.13	129.69	104.29	-964.44	4,106.81	2,960.88	2,744.71	216.16	13.698		
8,300.00	6,825.72	11,874.26	7,050.08	95.00	130.66	101.35	-962.90	4,143.74	2,967.77	2,749.63	218.14	13.605		
8,350.00	6,854.52	11,914.00	7,049.73	95.93	131.71	98.85	-961.23	4,183.44	2,974.01	2,753.78	220.23	13.504		
8,400.00	6,879.97	11,950.00	7,049.42	96.92	132.66	96.82	-959.73	4,219.41	2,979.46	2,757.24	222.22	13.408		
8,450.00	6,901.84	11,950.00	7,049.42	97.95	132.66	95.45	-959.73	4,219.41	2,984.39	2,761.41	222.97	13.385		
8,500.00	6,920.00	11,950.00	7,049.42	99.02	132.66	94.32	-959.73	4,219.41	2,988.98	2,765.29	223.69	13.362		
8,550.00	6,934.28	11,950.00	7,049.42	100.12	132.66	93.40	-959.73	4,219.41	2,993.19	2,768.84	224.36	13.341		
8,600.00	6,944.59	11,950.00	7,049.42	101.22	132.66	92.68	-959.73	4,219.41	2,997.01	2,772.04	224.97	13.322		
8,650.00	6,950.84	11,950.00	7,049.42	102.33	132.66	92.14	-959.73	4,219.41	3,000.40	2,774.88	225.52	13.304		
8,701.16	6,953.00	11,950.00	7,049.42	103.44	132.66	91.79	-959.73	4,219.41	3,003.39	2,777.38	226.01	13.289		
8,800.00	6,953.00	11,950.00	7,049.42	105.59	132.66	91.79	-959.73	4,219.41	3,010.32	2,783.54	226.78	13.274 SF		
8,900.00	6,953.00	11,950.00	7,049.42	107.79	132.66	91.79	-959.73	4,219.41	3,020.61	2,793.27	227.34	13.287		
9,000.00	6,953.00	11,950.00	7,049.42	110.02	132.66	91.79	-959.73	4,219.41	3,034.16	2,806.48	227.69	13.326		
9,100.00	6,953.00	11,950.00	7,049.42	112.26	132.66	91.79	-959.73	4,219.41	3,050.94	2,823.11	227.82	13.392		
9,200.00	6,953.00	11,950.00	7,049.42	114.52	132.66	91.79	-959.73	4,219.41	3,070.87	2,843.12	227.75	13.483		
9,300.00	6,953.00	11,950.00	7,049.42	116.80	132.66	91.79	-959.73	4,219.41	3,093.92	2,866.43	227.48	13.601		
9,400.00	6,953.00	11,950.00	7,049.42	119.10	132.66	91.79	-959.73	4,219.41	3,120.00	2,892.97	227.03	13.743		

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-20-01
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-20-01	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		
9,500.00	6,953.00	11,950.00	7,049.42	121.42	132.66	91.79	-959.73	4,219.41	3,149.04	2,922.64	226.40	13.909		
9,600.00	6,953.00	11,950.00	7,049.42	123.75	132.66	91.79	-959.73	4,219.41	3,180.96	2,955.36	225.60	14.100		
9,700.00	6,953.00	11,950.00	7,049.42	126.10	132.66	91.79	-959.73	4,219.41	3,215.67	2,991.02	224.65	14.314		
9,800.00	6,953.00	11,950.00	7,049.42	128.46	132.66	91.79	-959.73	4,219.41	3,253.09	3,029.53	223.56	14.552		
9,900.00	6,953.00	11,950.00	7,049.42	130.84	132.66	91.79	-959.73	4,219.41	3,293.12	3,070.78	222.34	14.811		
10,000.00	6,953.00	11,950.00	7,049.42	133.23	132.66	91.79	-959.73	4,219.41	3,335.67	3,114.67	221.00	15.093		
10,100.00	6,953.00	11,950.00	7,049.42	135.63	132.66	91.79	-959.73	4,219.41	3,380.64	3,161.07	219.57	15.397		
10,200.00	6,953.00	11,950.00	7,049.42	138.04	132.66	91.79	-959.73	4,219.41	3,427.95	3,209.90	218.05	15.721		
10,300.00	6,953.00	11,950.00	7,049.42	140.46	132.66	91.79	-959.73	4,219.41	3,477.48	3,261.03	216.45	16.066		
10,400.00	6,953.00	11,950.00	7,049.42	142.90	132.66	91.79	-959.73	4,219.41	3,529.15	3,314.37	214.78	16.431		
10,500.00	6,953.00	11,950.00	7,049.42	145.34	132.66	91.79	-959.73	4,219.41	3,582.87	3,369.81	213.06	16.816		
10,600.00	6,953.00	11,950.00	7,049.42	147.80	132.66	91.79	-959.73	4,219.41	3,638.55	3,427.25	211.30	17.220		
10,700.00	6,953.00	11,950.00	7,049.42	150.26	132.66	91.79	-959.73	4,219.41	3,696.09	3,486.59	209.50	17.643		
10,800.00	6,953.00	11,950.00	7,049.42	152.73	132.66	91.79	-959.73	4,219.41	3,755.41	3,547.74	207.67	18.083		
10,900.00	6,953.00	11,950.00	7,049.42	155.21	132.66	91.79	-959.73	4,219.41	3,816.44	3,610.61	205.83	18.542		
11,000.00	6,953.00	11,950.00	7,049.42	157.70	132.66	91.79	-959.73	4,219.41	3,879.08	3,675.10	203.97	19.018		
11,100.00	6,953.00	11,950.00	7,049.42	160.20	132.66	91.79	-959.73	4,219.41	3,943.26	3,741.15	202.11	19.510		
11,200.00	6,953.00	11,950.00	7,049.42	162.70	132.66	91.79	-959.73	4,219.41	4,008.91	3,808.65	200.25	20.019		
11,300.00	6,953.00	11,950.00	7,049.42	165.21	132.66	91.79	-959.73	4,219.41	4,075.96	3,877.55	198.40	20.544		
11,400.00	6,953.00	11,950.00	7,049.42	167.73	132.66	91.79	-959.73	4,219.41	4,144.33	3,947.77	196.56	21.084		
11,500.00	6,953.00	11,950.00	7,049.42	170.25	132.66	91.79	-959.73	4,219.41	4,213.97	4,019.24	194.73	21.640		
11,600.00	6,953.00	11,950.00	7,049.42	172.78	132.66	91.79	-959.73	4,219.41	4,284.81	4,091.89	192.92	22.210		
11,700.00	6,953.00	11,950.00	7,049.42	175.31	132.66	91.79	-959.73	4,219.41	4,356.79	4,165.66	191.13	22.795		
11,800.00	6,953.00	11,950.00	7,049.42	177.85	132.66	91.79	-959.73	4,219.41	4,429.86	4,240.50	189.37	23.393		
11,900.00	6,953.00	11,950.00	7,049.42	180.40	132.66	91.79	-959.73	4,219.41	4,503.97	4,316.34	187.63	24.005		
12,000.00	6,953.00	11,950.00	7,049.42	182.95	132.66	91.79	-959.73	4,219.41	4,579.06	4,393.15	185.91	24.630		
12,100.00	6,953.00	11,950.00	7,049.42	185.50	132.66	91.79	-959.73	4,219.41	4,655.09	4,470.86	184.23	25.268		
12,200.00	6,953.00	11,950.00	7,049.42	188.06	132.66	91.79	-959.73	4,219.41	4,732.01	4,549.43	182.58	25.918		
12,300.00	6,953.00	11,950.00	7,049.42	190.63	132.66	91.79	-959.73	4,219.41	4,809.78	4,628.82	180.95	26.580		
12,400.00	6,953.00	11,950.00	7,049.42	193.20	132.66	91.79	-959.73	4,219.41	4,888.35	4,708.99	179.36	27.254		
12,500.00	6,953.00	11,950.00	7,049.42	195.77	132.66	91.79	-959.73	4,219.41	4,967.70	4,789.90	177.80	27.939		
12,600.00	6,953.00	11,950.00	7,049.42	198.35	132.66	91.79	-959.73	4,219.41	5,047.78	4,871.51	176.28	28.636		
12,700.00	6,953.00	11,950.00	7,049.42	200.93	132.66	91.79	-959.73	4,219.41	5,128.56	4,953.78	174.78	29.343		
12,800.00	6,953.00	11,950.00	7,049.42	203.51	132.66	91.79	-959.73	4,219.41	5,210.01	5,036.69	173.32	30.060		
12,900.00	6,953.00	11,950.00	7,049.42	206.10	132.66	91.79	-959.73	4,219.41	5,292.10	5,120.21	171.89	30.787		
13,000.00	6,953.00	11,950.00	7,049.42	208.69	132.66	91.79	-959.73	4,219.41	5,374.79	5,204.29	170.49	31.525		
13,100.00	6,953.00	11,950.00	7,049.42	211.29	132.66	91.79	-959.73	4,219.41	5,458.06	5,288.93	169.13	32.271		
13,200.00	6,953.00	11,950.00	7,049.42	213.88	132.66	91.79	-959.73	4,219.41	5,541.88	5,374.08	167.80	33.027		
13,300.00	6,953.00	11,950.00	7,049.42	216.48	132.66	91.79	-959.73	4,219.41	5,626.23	5,459.74	166.49	33.792		
13,400.00	6,953.00	11,950.00	7,049.42	219.09	132.66	91.79	-959.73	4,219.41	5,711.09	5,545.87	165.22	34.566		
13,500.00	6,953.00	11,950.00	7,049.42	221.69	132.66	91.79	-959.73	4,219.41	5,796.43	5,632.45	163.98	35.348		
13,600.00	6,953.00	11,950.00	7,049.42	224.30	132.66	91.79	-959.73	4,219.41	5,882.23	5,719.46	162.77	36.138		
13,700.00	6,953.00	11,950.00	7,049.42	226.92	132.66	91.79	-959.73	4,219.41	5,968.48	5,806.88	161.59	36.935		
13,800.00	6,953.00	11,950.00	7,049.42	229.53	132.66	91.79	-959.73	4,219.41	6,055.14	5,894.70	160.44	37.741		
13,900.00	6,953.00	11,950.00	7,049.42	232.15	132.66	91.79	-959.73	4,219.41	6,142.22	5,982.90	159.32	38.554		
14,000.00	6,953.00	11,950.00	7,049.42	234.77	132.66	91.79	-959.73	4,219.41	6,229.68	6,071.46	158.22	39.374		
14,100.00	6,953.00	11,950.00	7,049.42	237.39	132.66	91.79	-959.73	4,219.41	6,317.51	6,160.36	157.15	40.200		
14,200.00	6,953.00	11,950.00	7,049.42	240.01	132.66	91.79	-959.73	4,219.41	6,405.70	6,249.59	156.11	41.034		
14,300.00	6,953.00	11,950.00	7,049.42	242.64	132.66	91.79	-959.73	4,219.41	6,494.23	6,339.14	155.09	41.874		
14,400.00	6,953.00	11,950.00	7,049.42	245.27	132.66	91.79	-959.73	4,219.41	6,583.09	6,428.99	154.10	42.720		
14,500.00	6,953.00	11,950.00	7,049.42	247.90	132.66	91.79	-959.73	4,219.41	6,672.27	6,519.14	153.13	43.573		
14,600.00	6,953.00	11,950.00	7,049.42	250.53	132.66	91.79	-959.73	4,219.41	6,761.75	6,609.56	152.19	44.431		

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-20-01
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-20-01	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		
14,700.00	6,953.00	11,950.00	7,049.42	253.16	132.66	91.79	-959.73	4,219.41	6,851.52	6,700.25	151.27	45.295		
14,800.00	6,953.00	11,950.00	7,049.42	255.80	132.66	91.79	-959.73	4,219.41	6,941.57	6,791.20	150.37	46.164		
14,900.00	6,953.00	11,950.00	7,049.42	258.43	132.66	91.79	-959.73	4,219.41	7,031.88	6,882.39	149.49	47.038		
15,000.00	6,953.00	11,950.00	7,049.42	261.07	132.66	91.79	-959.73	4,219.41	7,122.46	6,973.82	148.64	47.918		
15,100.00	6,953.00	11,950.00	7,049.42	263.71	132.66	91.79	-959.73	4,219.41	7,213.29	7,065.48	147.81	48.803		
15,200.00	6,953.00	11,950.00	7,049.42	266.36	132.66	91.79	-959.73	4,219.41	7,304.35	7,157.36	146.99	49.692		
15,300.00	6,953.00	11,950.00	7,049.42	269.00	132.66	91.79	-959.73	4,219.41	7,395.65	7,249.45	146.20	50.586		
15,400.00	6,953.00	11,950.00	7,049.42	271.65	132.66	91.79	-959.73	4,219.41	7,487.17	7,341.74	145.43	51.484		
15,500.00	6,953.00	11,950.00	7,049.42	274.29	132.66	91.79	-959.73	4,219.41	7,578.90	7,434.23	144.67	52.387		
15,600.00	6,953.00	11,950.00	7,049.42	276.94	132.66	91.79	-959.73	4,219.41	7,670.84	7,526.90	143.94	53.293		
15,700.00	6,953.00	11,950.00	7,049.42	279.59	132.66	91.79	-959.73	4,219.41	7,762.98	7,619.76	143.22	54.204		
15,800.00	6,953.00	11,950.00	7,049.42	282.24	132.66	91.79	-959.73	4,219.41	7,855.31	7,712.79	142.52	55.118		
15,900.00	6,953.00	11,950.00	7,049.42	284.90	132.66	91.79	-959.73	4,219.41	7,947.83	7,805.99	141.83	56.036		
16,000.00	6,953.00	11,950.00	7,049.42	287.55	132.66	91.79	-959.73	4,219.41	8,040.52	7,899.36	141.17	56.958		
16,100.00	6,953.00	11,950.00	7,049.42	290.20	132.66	91.79	-959.73	4,219.41	8,133.39	7,992.88	140.51	57.883		
16,200.00	6,953.00	11,950.00	7,049.42	292.86	132.66	91.79	-959.73	4,219.41	8,226.43	8,086.55	139.88	58.811		
16,300.00	6,953.00	11,950.00	7,049.42	295.52	132.66	91.79	-959.73	4,219.41	8,319.62	8,180.37	139.26	59.742		
16,400.00	6,953.00	11,950.00	7,049.42	298.18	132.66	91.79	-959.73	4,219.41	8,412.98	8,274.33	138.65	60.677		
16,500.00	6,953.00	11,950.00	7,049.42	300.84	132.66	91.79	-959.73	4,219.41	8,506.48	8,368.42	138.06	61.614		
16,600.00	6,953.00	11,950.00	7,049.42	303.50	132.66	91.79	-959.73	4,219.41	8,600.13	8,462.65	137.48	62.554		
16,700.00	6,953.00	11,950.00	7,049.42	306.16	132.66	91.79	-959.73	4,219.41	8,693.93	8,557.01	136.92	63.497		
16,800.00	6,953.00	11,950.00	7,049.42	308.82	132.66	91.79	-959.73	4,219.41	8,787.86	8,651.49	136.37	64.442		
16,900.00	6,953.00	11,950.00	7,049.42	311.49	132.66	91.79	-959.73	4,219.41	8,881.92	8,746.09	135.83	65.389		
17,000.00	6,953.00	11,950.00	7,049.42	314.15	132.66	91.79	-959.73	4,219.41	8,976.11	8,840.80	135.31	66.339		
17,100.00	6,953.00	11,950.00	7,049.42	316.82	132.66	91.79	-959.73	4,219.41	9,070.42	8,935.63	134.79	67.291		
17,200.00	6,953.00	11,950.00	7,049.42	319.48	132.66	91.79	-959.73	4,219.41	9,164.86	9,030.57	134.29	68.245		
17,300.00	6,953.00	11,950.00	7,049.42	322.15	132.66	91.79	-959.73	4,219.41	9,259.41	9,125.61	133.80	69.201		
17,400.00	6,953.00	11,950.00	7,049.42	324.82	132.66	91.79	-959.73	4,219.41	9,354.08	9,220.75	133.33	70.159		
17,500.00	6,953.00	11,950.00	7,049.42	327.49	132.66	91.79	-959.73	4,219.41	9,448.85	9,315.99	132.86	71.119		
17,600.00	6,953.00	11,950.00	7,049.42	330.16	132.66	91.79	-959.73	4,219.41	9,543.73	9,411.33	132.40	72.081		
17,700.00	6,953.00	11,950.00	7,049.42	332.83	132.66	91.79	-959.73	4,219.41	9,638.72	9,506.76	131.96	73.044		
17,800.00	6,953.00	11,950.00	7,049.42	335.50	132.66	91.79	-959.73	4,219.41	9,733.81	9,602.28	131.52	74.009		
17,900.00	6,953.00	11,950.00	7,049.42	338.17	132.66	91.79	-959.73	4,219.41	9,828.99	9,697.89	131.10	74.975		
18,000.00	6,953.00	11,950.00	7,049.42	340.85	132.66	91.79	-959.73	4,219.41	9,924.27	9,793.59	130.68	75.942		
18,100.00	6,953.00	11,950.00	7,049.42	343.52	132.66	91.79	-959.73	4,219.41	10,019.64	9,889.36	130.28	76.911		
18,200.00	6,953.00	11,950.00	7,049.42	346.19	132.66	91.79	-959.73	4,219.41	10,115.10	9,985.22	129.88	77.881		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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	-91.31	-1.83	-79.72	79.74				
100.00	100.00	102.82	102.82	0.27	0.16	-91.36	-1.89	-79.84	79.86	79.43	0.43	186.407	ES
200.00	199.98	202.61	202.61	0.63	0.31	-155.43	-2.08	-80.17	81.79	80.84	0.94	86.950	
300.00	299.84	302.39	302.39	0.99	0.65	-156.96	-2.32	-80.65	87.07	85.43	1.64	53.188	
400.00	399.45	401.85	401.85	1.36	1.00	-159.09	-2.60	-81.20	95.72	93.36	2.36	40.535	
500.00	498.70	500.60	500.59	1.76	1.36	-161.52	-3.07	-81.96	108.03	104.94	3.09	34.988	
600.00	597.47	598.73	598.71	2.18	1.71	-163.83	-3.52	-83.11	124.19	120.38	3.81	32.565	
700.00	695.62	695.85	695.80	2.63	2.06	-166.44	-5.27	-84.29	144.21	139.67	4.54	31.781	
800.00	793.06	789.05	788.91	3.11	2.40	-169.21	-9.07	-86.17	169.14	163.89	5.25	32.213	
900.00	889.64	877.15	876.71	3.64	2.72	-171.84	-15.11	-89.87	200.54	194.60	5.94	33.747	
1,000.00	985.27	963.55	962.55	4.22	3.05	-174.24	-23.30	-95.46	238.42	231.79	6.62	35.997	
1,100.00	1,079.82	1,047.07	1,045.20	4.84	3.38	-176.32	-33.17	-102.26	282.05	274.77	7.29	38.695	
1,200.00	1,173.17	1,131.12	1,128.04	5.52	3.73	-178.27	-45.22	-109.76	330.63	322.67	7.97	41.506	
1,300.00	1,265.21	1,211.63	1,207.10	6.26	4.08	179.95	-58.68	-116.72	383.22	374.59	8.63	44.413	
1,400.00	1,355.84	1,288.97	1,282.73	7.06	4.43	178.32	-73.40	-123.53	440.00	430.72	9.28	47.406	
1,500.00	1,444.94	1,362.23	1,354.14	7.92	4.78	176.94	-88.33	-130.16	500.56	490.64	9.92	50.483	
1,600.00	1,532.39	1,424.83	1,414.93	8.84	5.08	175.94	-101.62	-136.95	565.52	555.05	10.47	54.004	
1,700.00	1,618.11	1,493.05	1,480.95	9.83	5.43	175.02	-116.52	-145.51	634.48	623.39	11.09	57.222	
1,800.00	1,701.97	1,563.14	1,548.73	10.89	5.79	174.16	-132.14	-154.18	706.03	694.30	11.73	60.169	
1,900.00	1,783.88	1,631.92	1,615.24	12.02	6.14	173.40	-147.56	-162.49	779.89	767.51	12.38	62.986	
1,991.28	1,856.86	1,695.72	1,676.95	13.11	6.48	172.74	-161.95	-169.95	849.17	836.18	12.99	65.352	
2,000.00	1,863.75	1,702.15	1,683.17	13.21	6.51	172.70	-163.41	-170.67	855.86	842.80	13.06	65.530	
2,100.00	1,942.74	1,762.00	1,741.08	14.45	6.83	172.33	-177.19	-176.84	932.24	918.60	13.64	68.362	
2,200.00	2,021.72	1,809.34	1,786.71	15.69	7.09	172.04	-188.73	-181.87	1,009.38	995.27	14.11	71.545	
2,300.00	2,100.71	1,857.00	1,832.26	16.95	7.36	171.74	-201.40	-187.91	1,088.20	1,073.61	14.58	74.614	
2,400.00	2,179.70	1,888.22	1,861.92	18.21	7.54	171.56	-210.06	-192.34	1,168.10	1,153.19	14.90	78.380	
2,500.00	2,258.69	1,931.54	1,902.99	19.47	7.80	171.35	-222.10	-199.01	1,248.90	1,233.56	15.34	81.401	
2,600.00	2,337.68	1,975.73	1,944.77	20.74	8.07	171.17	-234.46	-206.41	1,330.42	1,314.62	15.79	84.235	
2,700.00	2,416.66	2,020.89	1,987.34	22.02	8.36	171.00	-247.37	-214.25	1,412.47	1,396.21	16.26	86.873	
2,800.00	2,495.65	2,065.43	2,029.17	23.29	8.64	170.84	-260.39	-222.21	1,495.02	1,478.30	16.72	89.408	
2,900.00	2,574.64	2,109.70	2,070.65	24.57	8.93	170.69	-273.55	-230.38	1,578.00	1,560.81	17.19	91.821	
3,000.00	2,653.63	2,153.33	2,111.41	25.85	9.21	170.55	-286.72	-238.65	1,661.39	1,643.75	17.65	94.149	
3,100.00	2,732.62	2,197.09	2,152.14	27.14	9.51	170.39	-300.42	-246.95	1,745.16	1,727.04	18.12	96.331	
3,200.00	2,811.61	2,240.66	2,192.51	28.42	9.81	170.22	-314.63	-255.11	1,829.27	1,810.68	18.59	98.418	
3,300.00	2,890.59	2,315.80	2,262.13	29.71	10.33	169.92	-339.41	-268.75	1,913.23	1,893.82	19.41	98.561	
3,400.00	2,969.58	2,334.00	2,279.02	31.00	10.45	169.85	-345.35	-271.95	1,997.20	1,977.59	19.61	101.828	
3,500.00	3,048.57	2,380.04	2,321.62	32.29	10.78	169.69	-360.61	-280.45	2,081.46	2,061.34	20.13	103.423	
3,600.00	3,127.56	2,430.00	2,367.42	33.58	11.14	169.54	-377.71	-290.75	2,166.96	2,146.28	20.68	104.773	
3,700.00	3,206.55	2,430.00	2,367.42	34.87	11.14	169.54	-377.71	-290.75	2,252.50	2,231.81	20.68	108.898	
3,800.00	3,285.53	2,469.49	2,403.39	36.16	11.44	169.42	-391.60	-299.29	2,338.78	2,317.65	21.13	110.667	
3,900.00	3,364.52	2,511.69	2,441.71	37.45	11.75	169.28	-406.74	-308.35	2,425.24	2,403.62	21.62	112.201	
4,000.00	3,443.51	2,688.61	2,604.32	38.74	13.05	168.84	-466.94	-343.29	2,509.97	2,486.37	23.60	106.353	
4,100.00	3,522.50	2,862.36	2,767.15	40.04	14.24	168.57	-520.18	-372.21	2,592.15	2,566.66	25.49	101.711	
4,200.00	3,601.49	2,946.78	2,847.04	41.33	14.79	168.48	-544.38	-384.74	2,672.99	2,646.58	26.40	101.231	
4,300.00	3,680.47	3,004.00	2,901.27	42.63	15.16	168.43	-560.57	-393.23	2,753.74	2,726.70	27.04	101.836	
4,400.00	3,759.46	3,034.22	2,929.88	43.92	15.36	168.40	-569.10	-397.91	2,834.82	2,807.43	27.40	103.473	
4,500.00	3,838.45	3,062.98	2,957.04	45.22	15.55	168.39	-577.25	-402.70	2,916.50	2,888.76	27.74	105.153	
4,600.00	3,917.44	3,099.00	2,990.97	46.51	15.79	168.38	-587.49	-409.16	2,998.76	2,970.61	28.15	106.530	
4,700.00	3,996.43	3,225.58	3,110.86	47.81	16.62	168.38	-621.61	-431.12	3,080.07	3,050.58	29.49	104.444	
4,800.00	4,075.42	3,263.57	3,146.88	49.10	16.87	168.38	-631.86	-437.50	3,161.32	3,131.40	29.92	105.644	
4,900.00	4,154.40	3,310.24	3,191.00	50.40	17.18	168.36	-644.88	-445.36	3,242.92	3,212.47	30.45	106.493	
5,000.00	4,233.39	3,379.57	3,256.39	51.70	17.64	168.30	-665.22	-456.21	3,324.46	3,293.23	31.23	106.467	

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-20-01
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-20-01	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	4,312.38	3,419.67	3,294.12	52.99	17.91	168.26	-677.40	-462.19	3,406.03	3,374.33	31.70	107.455		
5,200.00	4,391.37	3,456.17	3,328.43	54.29	18.16	168.22	-688.47	-467.92	3,487.95	3,455.82	32.13	108.554		
5,300.00	4,470.36	3,481.00	3,351.74	55.59	18.33	168.20	-695.99	-471.97	3,570.24	3,537.80	32.44	110.057		
5,400.00	4,549.34	3,517.43	3,385.86	56.89	18.58	168.17	-707.18	-478.11	3,652.91	3,620.03	32.88	111.115		
5,500.00	4,628.33	10,515.56	7,257.65	58.18	88.39	136.90	-1,287.69	2,541.48	3,639.85	3,536.65	103.20	35.271		
5,600.00	4,707.32	10,541.85	7,258.07	59.48	89.06	136.54	-1,286.59	2,567.74	3,601.62	3,495.34	106.28	33.888		
5,700.00	4,786.31	10,569.44	7,258.64	60.78	89.77	136.17	-1,285.65	2,595.31	3,565.35	3,455.92	109.43	32.581		
5,800.00	4,865.30	10,695.86	7,260.66	62.08	93.00	134.44	-1,280.82	2,721.62	3,530.23	3,415.42	114.81	30.747		
5,900.00	4,944.28	10,791.64	7,261.62	63.38	95.45	133.12	-1,275.71	2,817.26	3,495.84	3,376.22	119.61	29.226		
6,000.00	5,023.27	10,853.35	7,261.69	64.68	97.03	132.26	-1,272.23	2,878.87	3,462.59	3,338.83	123.75	27.980		
6,100.00	5,102.26	10,900.64	7,261.66	65.97	98.25	131.59	-1,269.67	2,926.08	3,431.07	3,303.44	127.63	26.883		
6,200.00	5,181.25	10,950.00	7,261.86	67.27	99.52	130.89	-1,267.28	2,975.39	3,401.65	3,270.05	131.60	25.848		
6,300.00	5,260.24	10,985.64	7,262.05	68.57	100.44	130.38	-1,265.69	3,010.99	3,374.19	3,238.91	135.28	24.943		
6,400.00	5,339.23	11,038.59	7,262.17	69.87	101.80	129.62	-1,263.51	3,063.90	3,348.64	3,209.23	139.41	24.020		
6,500.00	5,418.21	11,073.06	7,262.16	71.17	102.70	129.12	-1,262.28	3,098.34	3,325.15	3,182.05	143.10	23.237		
6,600.00	5,497.20	11,104.27	7,262.13	72.47	103.51	128.67	-1,261.46	3,129.55	3,303.99	3,157.29	146.70	22.522		
6,700.00	5,576.19	11,141.00	7,262.08	73.77	104.46	128.13	-1,260.85	3,166.27	3,285.22	3,134.78	150.44	21.837		
6,800.00	5,655.18	11,172.84	7,262.16	75.07	105.29	127.66	-1,260.49	3,198.11	3,268.82	3,114.79	154.03	21.222		
6,900.00	5,734.17	11,213.27	7,262.67	76.37	106.34	127.07	-1,260.01	3,238.54	3,254.74	3,096.92	157.82	20.623		
7,000.00	5,813.15	11,236.00	7,263.15	77.67	106.93	126.74	-1,259.73	3,261.26	3,243.04	3,081.99	161.05	20.137		
7,100.00	5,892.14	11,286.99	7,264.33	78.97	108.27	126.00	-1,259.40	3,312.23	3,233.63	3,068.56	165.07	19.590		
7,200.00	5,971.13	11,332.00	7,265.24	80.27	109.45	125.34	-1,259.63	3,357.23	3,226.77	3,057.90	168.88	19.107		
7,300.00	6,050.12	11,332.00	7,265.24	81.57	109.45	125.34	-1,259.63	3,357.23	3,222.49	3,051.31	171.19	18.825		
7,400.00	6,129.11	11,382.89	7,265.95	82.86	110.78	124.59	-1,260.63	3,408.10	3,220.56	3,045.51	175.06	18.397		
7,419.22	6,144.29	11,388.50	7,265.99	83.11	110.93	124.50	-1,260.80	3,413.72	3,220.52	3,044.86	175.66	18.334		
7,500.00	6,208.09	11,427.00	7,266.14	84.16	111.94	123.93	-1,262.26	3,452.18	3,221.44	3,042.79	178.65	18.032		
7,600.00	6,287.08	11,457.62	7,266.06	85.46	112.74	123.47	-1,263.63	3,482.78	3,224.73	3,043.03	181.70	17.748		
7,700.00	6,366.07	11,522.61	7,265.45	86.76	114.45	122.48	-1,266.49	3,547.70	3,230.20	3,044.33	185.86	17.379		
7,800.00	6,445.06	11,580.90	7,264.79	88.06	115.99	121.61	-1,268.93	3,605.93	3,237.74	3,048.02	189.72	17.066		
7,900.00	6,524.05	11,618.00	7,264.54	89.36	116.97	121.05	-1,270.38	3,643.00	3,247.45	3,054.74	192.71	16.851		
8,000.00	6,603.03	11,667.02	7,264.45	90.66	118.26	120.32	-1,272.40	3,691.98	3,259.47	3,063.43	196.03	16.627		
8,100.00	6,682.02	11,713.00	7,264.63	91.96	119.47	119.63	-1,274.58	3,737.91	3,273.96	3,074.83	199.14	16.441		
8,133.44	6,708.44	11,713.00	7,264.63	92.40	119.47	119.63	-1,274.58	3,737.91	3,279.32	3,079.74	199.58	16.431		
8,150.00	6,721.39	11,713.00	7,264.63	92.62	119.47	118.25	-1,274.58	3,737.91	3,282.08	3,082.29	199.79	16.427		
8,200.00	6,758.90	11,738.64	7,264.85	93.34	120.15	114.19	-1,275.93	3,763.51	3,290.58	3,089.18	201.40	16.339		
8,250.00	6,793.76	11,758.93	7,265.09	94.13	120.69	110.81	-1,277.08	3,783.77	3,299.32	3,096.52	202.80	16.269		
8,300.00	6,825.72	11,781.18	7,265.42	95.00	121.28	107.87	-1,278.43	3,805.97	3,308.16	3,103.89	204.28	16.195		
8,350.00	6,854.52	11,809.00	7,265.93	95.93	122.01	105.27	-1,280.23	3,833.73	3,316.97	3,111.01	205.97	16.105		
8,400.00	6,879.97	11,845.40	7,266.65	96.92	122.98	102.94	-1,282.68	3,870.04	3,325.55	3,117.56	207.99	15.989		
8,450.00	6,901.84	11,890.31	7,267.44	97.95	124.17	100.89	-1,285.70	3,914.84	3,333.61	3,123.27	210.35	15.848		
8,500.00	6,920.00	12,098.12	7,266.41	99.02	129.67	98.19	-1,294.75	4,122.42	3,339.58	3,120.74	218.84	15.260		
8,550.00	6,934.28	12,143.64	7,265.94	100.12	130.88	97.00	-1,295.75	4,167.93	3,343.99	3,122.75	221.24	15.115		
8,600.00	6,944.59	12,176.00	7,265.61	101.22	131.74	96.17	-1,296.47	4,200.28	3,347.52	3,124.38	223.14	15.002		
8,650.00	6,950.84	12,176.00	7,265.61	102.33	131.74	95.66	-1,296.47	4,200.28	3,350.64	3,126.83	223.81	14.971		
8,701.16	6,953.00	12,176.00	7,265.61	103.44	131.74	95.30	-1,296.47	4,200.28	3,353.54	3,129.12	224.42	14.943		
8,800.00	6,953.00	12,176.00	7,265.61	105.59	131.74	95.30	-1,296.47	4,200.28	3,360.30	3,134.85	225.44	14.905		
8,900.00	6,953.00	12,176.00	7,265.61	107.79	131.74	95.30	-1,296.47	4,200.28	3,370.06	3,143.76	226.31	14.892 SF		
9,000.00	6,953.00	12,176.00	7,265.61	110.02	131.74	95.30	-1,296.47	4,200.28	3,382.76	3,155.76	227.00	14.902		
9,100.00	6,953.00	12,176.00	7,265.61	112.26	131.74	95.30	-1,296.47	4,200.28	3,398.35	3,170.83	227.53	14.936		
9,200.00	6,953.00	12,176.00	7,265.61	114.52	131.74	95.30	-1,296.47	4,200.28	3,416.80	3,188.92	227.88	14.994		
9,300.00	6,953.00	12,176.00	7,265.61	116.80	131.74	95.30	-1,296.47	4,200.28	3,438.06	3,209.98	228.08	15.074		
9,400.00	6,953.00	12,176.00	7,265.61	119.10	131.74	95.30	-1,296.47	4,200.28	3,462.08	3,233.96	228.12	15.177		

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-20-01
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-20-01	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		
9,500.00	6,953.00	12,176.00	7,265.61	121.42	131.74	95.30	-1,296.47	4,200.28	3,488.80	3,260.80	228.01	15.301		
9,600.00	6,953.00	12,176.00	7,265.61	123.75	131.74	95.30	-1,296.47	4,200.28	3,518.17	3,290.41	227.75	15.447		
9,700.00	6,953.00	12,176.00	7,265.61	126.10	131.74	95.30	-1,296.47	4,200.28	3,550.10	3,322.74	227.36	15.614		
9,800.00	6,953.00	12,176.00	7,265.61	128.46	131.74	95.30	-1,296.47	4,200.28	3,584.55	3,357.71	226.84	15.802		
9,900.00	6,953.00	12,176.00	7,265.61	130.84	131.74	95.30	-1,296.47	4,200.28	3,621.42	3,395.22	226.20	16.010		
10,000.00	6,953.00	12,176.00	7,265.61	133.23	131.74	95.30	-1,296.47	4,200.28	3,660.66	3,435.21	225.45	16.237		
10,100.00	6,953.00	12,176.00	7,265.61	135.63	131.74	95.30	-1,296.47	4,200.28	3,702.19	3,477.59	224.60	16.484		
10,200.00	6,953.00	12,176.00	7,265.61	138.04	131.74	95.30	-1,296.47	4,200.28	3,745.92	3,522.27	223.65	16.749		
10,300.00	6,953.00	12,176.00	7,265.61	140.46	131.74	95.30	-1,296.47	4,200.28	3,791.79	3,569.17	222.62	17.032		
10,400.00	6,953.00	12,176.00	7,265.61	142.90	131.74	95.30	-1,296.47	4,200.28	3,839.72	3,618.20	221.52	17.334		
10,500.00	6,953.00	12,176.00	7,265.61	145.34	131.74	95.30	-1,296.47	4,200.28	3,889.62	3,669.27	220.35	17.652		
10,600.00	6,953.00	12,176.00	7,265.61	147.80	131.74	95.30	-1,296.47	4,200.28	3,941.43	3,722.32	219.12	17.988		
10,700.00	6,953.00	12,176.00	7,265.61	150.26	131.74	95.30	-1,296.47	4,200.28	3,995.08	3,777.24	217.83	18.340		
10,800.00	6,953.00	12,176.00	7,265.61	152.73	131.74	95.30	-1,296.47	4,200.28	4,050.48	3,833.97	216.51	18.708		
10,900.00	6,953.00	12,176.00	7,265.61	155.21	131.74	95.30	-1,296.47	4,200.28	4,107.57	3,892.42	215.14	19.092		
11,000.00	6,953.00	12,176.00	7,265.61	157.70	131.74	95.30	-1,296.47	4,200.28	4,166.28	3,952.53	213.75	19.491		
11,100.00	6,953.00	12,176.00	7,265.61	160.20	131.74	95.30	-1,296.47	4,200.28	4,226.53	4,014.20	212.33	19.905		
11,200.00	6,953.00	12,176.00	7,265.61	162.70	131.74	95.30	-1,296.47	4,200.28	4,288.28	4,077.39	210.89	20.334		
11,300.00	6,953.00	12,176.00	7,265.61	165.21	131.74	95.30	-1,296.47	4,200.28	4,351.44	4,142.00	209.44	20.777		
11,400.00	6,953.00	12,176.00	7,265.61	167.73	131.74	95.30	-1,296.47	4,200.28	4,415.97	4,207.99	207.98	21.233		
11,500.00	6,953.00	12,176.00	7,265.61	170.25	131.74	95.30	-1,296.47	4,200.28	4,481.80	4,275.29	206.51	21.703		
11,600.00	6,953.00	12,176.00	7,265.61	172.78	131.74	95.30	-1,296.47	4,200.28	4,548.88	4,343.84	205.04	22.185		
11,700.00	6,953.00	12,176.00	7,265.61	175.31	131.74	95.30	-1,296.47	4,200.28	4,617.14	4,413.57	203.57	22.680		
11,800.00	6,953.00	12,176.00	7,265.61	177.85	131.74	95.30	-1,296.47	4,200.28	4,686.55	4,484.44	202.11	23.188		
11,900.00	6,953.00	12,176.00	7,265.61	180.40	131.74	95.30	-1,296.47	4,200.28	4,757.05	4,556.39	200.66	23.708		
12,000.00	6,953.00	12,176.00	7,265.61	182.95	131.74	95.30	-1,296.47	4,200.28	4,828.59	4,629.38	199.21	24.239		
12,100.00	6,953.00	12,176.00	7,265.61	185.50	131.74	95.30	-1,296.47	4,200.28	4,901.12	4,703.34	197.78	24.781		
12,200.00	6,953.00	12,176.00	7,265.61	188.06	131.74	95.30	-1,296.47	4,200.28	4,974.61	4,778.25	196.36	25.334		
12,300.00	6,953.00	12,176.00	7,265.61	190.63	131.74	95.30	-1,296.47	4,200.28	5,049.01	4,854.05	194.95	25.898		
12,400.00	6,953.00	12,176.00	7,265.61	193.20	131.74	95.30	-1,296.47	4,200.28	5,124.28	4,930.71	193.57	26.473		
12,500.00	6,953.00	12,176.00	7,265.61	195.77	131.74	95.30	-1,296.47	4,200.28	5,200.38	5,008.18	192.20	27.057		
12,600.00	6,953.00	12,176.00	7,265.61	198.35	131.74	95.30	-1,296.47	4,200.28	5,277.28	5,086.43	190.85	27.651		
12,700.00	6,953.00	12,176.00	7,265.61	200.93	131.74	95.30	-1,296.47	4,200.28	5,354.94	5,165.42	189.52	28.255		
12,800.00	6,953.00	12,176.00	7,265.61	203.51	131.74	95.30	-1,296.47	4,200.28	5,433.34	5,245.12	188.21	28.868		
12,900.00	6,953.00	12,176.00	7,265.61	206.10	131.74	95.30	-1,296.47	4,200.28	5,512.43	5,325.50	186.93	29.490		
13,000.00	6,953.00	12,176.00	7,265.61	208.69	131.74	95.30	-1,296.47	4,200.28	5,592.19	5,406.53	185.66	30.120		
13,100.00	6,953.00	12,176.00	7,265.61	211.29	131.74	95.30	-1,296.47	4,200.28	5,672.60	5,488.18	184.42	30.759		
13,200.00	6,953.00	12,176.00	7,265.61	213.88	131.74	95.30	-1,296.47	4,200.28	5,753.62	5,570.42	183.20	31.407		
13,300.00	6,953.00	12,176.00	7,265.61	216.48	131.74	95.30	-1,296.47	4,200.28	5,835.23	5,653.23	182.00	32.062		
13,400.00	6,953.00	12,176.00	7,265.61	219.09	131.74	95.30	-1,296.47	4,200.28	5,917.40	5,736.57	180.82	32.724		
13,500.00	6,953.00	12,176.00	7,265.61	221.69	131.74	95.30	-1,296.47	4,200.28	6,000.11	5,820.44	179.67	33.395		
13,600.00	6,953.00	12,176.00	7,265.61	224.30	131.74	95.30	-1,296.47	4,200.28	6,083.34	5,904.80	178.54	34.072		
13,700.00	6,953.00	12,176.00	7,265.61	226.92	131.74	95.30	-1,296.47	4,200.28	6,167.07	5,989.64	177.43	34.757		
13,800.00	6,953.00	12,176.00	7,265.61	229.53	131.74	95.30	-1,296.47	4,200.28	6,251.28	6,074.94	176.35	35.448		
13,900.00	6,953.00	12,176.00	7,265.61	232.15	131.74	95.30	-1,296.47	4,200.28	6,335.95	6,160.67	175.29	36.147		
14,000.00	6,953.00	12,176.00	7,265.61	234.77	131.74	95.30	-1,296.47	4,200.28	6,421.06	6,246.82	174.24	36.851		
14,100.00	6,953.00	12,176.00	7,265.61	237.39	131.74	95.30	-1,296.47	4,200.28	6,506.59	6,333.37	173.22	37.562		
14,200.00	6,953.00	12,176.00	7,265.61	240.01	131.74	95.30	-1,296.47	4,200.28	6,592.53	6,420.31	172.23	38.279		
14,300.00	6,953.00	12,176.00	7,265.61	242.64	131.74	95.30	-1,296.47	4,200.28	6,678.87	6,507.62	171.25	39.001		
14,400.00	6,953.00	12,176.00	7,265.61	245.27	131.74	95.30	-1,296.47	4,200.28	6,765.57	6,595.28	170.29	39.729		
14,500.00	6,953.00	12,176.00	7,265.61	247.90	131.74	95.30	-1,296.47	4,200.28	6,852.64	6,683.29	169.35	40.463		
14,600.00	6,953.00	12,176.00	7,265.61	250.53	131.74	95.30	-1,296.47	4,200.28	6,940.06	6,771.62	168.44	41.202		

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-20-01
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-20-01	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		
14,700.00	6,953.00	12,176.00	7,265.61	253.16	131.74	95.30	-1,296.47	4,200.28	7,027.82	6,860.27	167.54	41.947		
14,800.00	6,953.00	12,176.00	7,265.61	255.80	131.74	95.30	-1,296.47	4,200.28	7,115.89	6,949.23	166.66	42.696		
14,900.00	6,953.00	12,176.00	7,265.61	258.43	131.74	95.30	-1,296.47	4,200.28	7,204.28	7,038.48	165.81	43.450		
15,000.00	6,953.00	12,176.00	7,265.61	261.07	131.74	95.30	-1,296.47	4,200.28	7,292.97	7,128.00	164.97	44.209		
15,100.00	6,953.00	12,176.00	7,265.61	263.71	131.74	95.30	-1,296.47	4,200.28	7,381.95	7,217.80	164.14	44.972		
15,200.00	6,953.00	12,176.00	7,265.61	266.36	131.74	95.30	-1,296.47	4,200.28	7,471.21	7,307.86	163.34	45.740		
15,300.00	6,953.00	12,176.00	7,265.61	269.00	131.74	95.30	-1,296.47	4,200.28	7,560.73	7,398.18	162.56	46.512		
15,400.00	6,953.00	12,176.00	7,265.61	271.65	131.74	95.30	-1,296.47	4,200.28	7,650.52	7,488.73	161.79	47.288		
15,500.00	6,953.00	12,176.00	7,265.61	274.29	131.74	95.30	-1,296.47	4,200.28	7,740.55	7,579.52	161.03	48.068		
15,600.00	6,953.00	12,176.00	7,265.61	276.94	131.74	95.30	-1,296.47	4,200.28	7,830.83	7,670.53	160.30	48.852		
15,700.00	6,953.00	12,176.00	7,265.61	279.59	131.74	95.30	-1,296.47	4,200.28	7,921.34	7,761.76	159.58	49.639		
15,800.00	6,953.00	12,176.00	7,265.61	282.24	131.74	95.30	-1,296.47	4,200.28	8,012.07	7,853.20	158.87	50.431		
15,900.00	6,953.00	12,176.00	7,265.61	284.90	131.74	95.30	-1,296.47	4,200.28	8,103.03	7,944.84	158.18	51.225		
16,000.00	6,953.00	12,176.00	7,265.61	287.55	131.74	95.30	-1,296.47	4,200.28	8,194.19	8,036.68	157.51	52.023		
16,100.00	6,953.00	12,176.00	7,265.61	290.20	131.74	95.30	-1,296.47	4,200.28	8,285.56	8,128.71	156.85	52.824		
16,200.00	6,953.00	12,176.00	7,265.61	292.86	131.74	95.30	-1,296.47	4,200.28	8,377.13	8,220.92	156.21	53.629		
16,300.00	6,953.00	12,176.00	7,265.61	295.52	131.74	95.30	-1,296.47	4,200.28	8,468.89	8,313.31	155.57	54.436		
16,400.00	6,953.00	12,176.00	7,265.61	298.18	131.74	95.30	-1,296.47	4,200.28	8,560.83	8,405.87	154.96	55.246		
16,500.00	6,953.00	12,176.00	7,265.61	300.84	131.74	95.30	-1,296.47	4,200.28	8,652.95	8,498.60	154.35	56.060		
16,600.00	6,953.00	12,176.00	7,265.61	303.50	131.74	95.30	-1,296.47	4,200.28	8,745.24	8,591.48	153.76	56.875		
16,700.00	6,953.00	12,176.00	7,265.61	306.16	131.74	95.30	-1,296.47	4,200.28	8,837.70	8,684.52	153.18	57.694		
16,800.00	6,953.00	12,176.00	7,265.61	308.82	131.74	95.30	-1,296.47	4,200.28	8,930.33	8,777.71	152.62	58.515		
16,900.00	6,953.00	12,176.00	7,265.61	311.49	131.74	95.30	-1,296.47	4,200.28	9,023.11	8,871.04	152.06	59.338		
17,000.00	6,953.00	12,176.00	7,265.61	314.15	131.74	95.30	-1,296.47	4,200.28	9,116.04	8,964.52	151.52	60.164		
17,100.00	6,953.00	12,176.00	7,265.61	316.82	131.74	95.30	-1,296.47	4,200.28	9,209.12	9,058.13	150.99	60.991		
17,200.00	6,953.00	12,176.00	7,265.61	319.48	131.74	95.30	-1,296.47	4,200.28	9,302.35	9,151.88	150.47	61.821		
17,300.00	6,953.00	12,176.00	7,265.61	322.15	131.74	95.30	-1,296.47	4,200.28	9,395.71	9,245.75	149.96	62.653		
17,400.00	6,953.00	12,176.00	7,265.61	324.82	131.74	95.30	-1,296.47	4,200.28	9,489.21	9,339.75	149.47	63.488		
17,500.00	6,953.00	12,176.00	7,265.61	327.49	131.74	95.30	-1,296.47	4,200.28	9,582.84	9,433.87	148.98	64.324		
17,600.00	6,953.00	12,176.00	7,265.61	330.16	131.74	95.30	-1,296.47	4,200.28	9,676.60	9,528.10	148.50	65.161		
17,700.00	6,953.00	12,176.00	7,265.61	332.83	131.74	95.30	-1,296.47	4,200.28	9,770.49	9,622.45	148.04	66.001		
17,800.00	6,953.00	12,176.00	7,265.61	335.50	131.74	95.30	-1,296.47	4,200.28	9,864.49	9,716.91	147.58	66.842		
17,900.00	6,953.00	12,176.00	7,265.61	338.17	131.74	95.30	-1,296.47	4,200.28	9,958.61	9,811.48	147.13	67.685		
18,000.00	6,953.00	12,176.00	7,265.61	340.85	131.74	95.30	-1,296.47	4,200.28	10,052.84	9,906.15	146.69	68.529		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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	-91.40	-1.46	-59.65	59.67					
100.00	100.00	101.85	101.85	0.27	0.16	-91.24	-1.30	-59.78	59.80	59.37	0.43	140.092 ES		
200.00	199.98	201.68	201.68	0.63	0.31	-154.92	-0.83	-60.17	61.75	60.81	0.94	65.759		
300.00	299.84	301.23	301.22	0.99	0.64	-156.24	-0.24	-60.87	67.20	65.57	1.63	41.153		
400.00	399.45	400.76	400.75	1.36	1.00	-158.41	0.25	-61.83	76.17	73.82	2.36	32.321		
500.00	498.70	499.76	499.74	1.76	1.35	-160.95	0.58	-62.92	88.66	85.58	3.08	28.775		
600.00	597.47	599.86	599.84	2.18	1.70	-163.68	0.64	-62.97	103.62	99.83	3.79	27.308		
700.00	695.62	693.12	693.04	2.63	2.01	-167.15	-2.11	-64.07	123.87	119.37	4.49	27.557		
800.00	793.06	789.08	788.85	3.11	2.35	-170.46	-6.71	-66.74	149.83	144.63	5.21	28.784		
900.00	889.64	885.20	884.86	3.64	2.69	-172.81	-10.77	-69.25	179.14	173.21	5.92	30.245		
1,000.00	985.27	975.07	974.54	4.22	3.02	-174.74	-15.70	-72.04	212.83	206.21	6.62	32.155		
1,100.00	1,079.82	1,063.00	1,062.05	4.84	3.35	-176.75	-23.37	-75.85	252.18	244.87	7.31	34.507		
1,200.00	1,173.17	1,142.12	1,140.44	5.52	3.65	-178.61	-33.07	-80.30	297.31	289.36	7.95	37.397		
1,300.00	1,265.21	1,220.19	1,217.38	6.26	3.97	179.58	-45.18	-85.60	348.04	339.45	8.59	40.513		
1,400.00	1,355.84	1,294.00	1,289.68	7.06	4.29	177.93	-58.86	-91.31	403.90	394.69	9.21	43.860		
1,500.00	1,444.94	1,362.83	1,356.69	7.92	4.60	176.49	-73.34	-97.44	464.66	454.86	9.80	47.421		
1,600.00	1,532.39	1,425.74	1,417.52	8.84	4.90	175.26	-87.99	-103.92	530.15	519.80	10.35	51.222		
1,700.00	1,618.11	1,488.69	1,478.02	9.83	5.21	174.10	-103.82	-111.18	599.85	588.93	10.92	54.933		
1,800.00	1,701.97	1,551.92	1,538.55	10.89	5.54	173.04	-120.36	-118.90	672.87	661.37	11.51	58.475		
1,900.00	1,783.88	1,621.42	1,605.11	12.02	5.91	172.04	-138.50	-127.38	748.25	736.08	12.17	61.467		
1,991.28	1,856.86	1,678.70	1,660.05	13.11	6.23	171.29	-153.19	-134.23	818.75	806.02	12.73	64.300		
2,000.00	1,863.75	1,682.86	1,664.03	13.21	6.25	171.26	-154.28	-134.73	825.60	812.82	12.78	64.602		
2,100.00	1,942.74	1,729.35	1,708.40	14.45	6.51	170.92	-166.92	-140.47	904.61	891.38	13.23	68.355		
2,200.00	2,021.72	1,779.93	1,756.32	15.69	6.80	170.53	-181.71	-146.96	984.61	970.87	13.74	71.674		
2,300.00	2,100.71	1,847.23	1,820.03	16.95	7.20	170.03	-201.82	-155.18	1,064.57	1,050.14	14.42	73.802		
2,400.00	2,179.70	1,921.68	1,890.61	18.21	7.64	169.54	-224.00	-163.47	1,143.97	1,128.78	15.20	75.283		
2,500.00	2,258.69	2,006.50	1,971.38	19.47	8.14	169.08	-248.46	-171.94	1,222.47	1,206.39	16.08	76.040		
2,600.00	2,337.68	2,075.80	2,037.77	20.74	8.54	168.81	-267.31	-178.29	1,299.88	1,283.08	16.80	77.371		
2,700.00	2,416.66	2,125.15	2,085.07	22.02	8.82	168.68	-280.38	-183.44	1,377.72	1,360.39	17.32	79.530		
2,800.00	2,495.65	2,195.37	2,152.43	23.29	9.23	168.56	-298.49	-191.54	1,455.88	1,437.83	18.05	80.638		
2,900.00	2,574.64	2,258.17	2,212.86	24.57	9.59	168.49	-314.12	-198.50	1,533.45	1,514.74	18.71	81.950		
3,000.00	2,653.63	2,296.07	2,249.25	25.85	9.81	168.46	-323.61	-203.18	1,611.76	1,592.64	19.12	84.300		
3,100.00	2,732.62	2,334.00	2,285.55	27.14	10.03	168.44	-333.26	-208.46	1,690.99	1,671.47	19.52	86.608		
3,200.00	2,811.61	2,384.16	2,333.43	28.42	10.33	168.43	-346.23	-215.88	1,770.84	1,750.78	20.06	88.291		
3,300.00	2,890.59	2,436.43	2,383.25	29.71	10.65	168.41	-359.95	-223.74	1,850.95	1,830.34	20.61	89.800		
3,400.00	2,969.58	2,492.69	2,436.81	31.00	10.99	168.39	-374.92	-232.25	1,931.24	1,910.03	21.21	91.040		
3,500.00	3,048.57	2,576.65	2,516.77	32.29	11.51	168.34	-397.32	-244.67	2,011.47	1,989.36	22.10	91.002		
3,600.00	3,127.56	2,727.25	2,661.40	33.58	12.39	168.29	-434.74	-263.56	2,089.86	2,066.20	23.66	88.337		
3,700.00	3,206.55	2,754.91	2,688.05	34.87	12.55	168.29	-441.35	-266.92	2,167.45	2,143.48	23.98	90.401		
3,800.00	3,285.53	2,789.50	2,721.31	36.16	12.76	168.29	-449.72	-271.46	2,245.83	2,221.47	24.36	92.194		
3,900.00	3,364.52	2,812.00	2,742.89	37.45	12.89	168.29	-455.23	-274.63	2,325.01	2,300.39	24.62	94.442		
4,000.00	3,443.51	2,863.23	2,791.84	38.74	13.20	168.29	-468.37	-282.07	2,404.69	2,379.51	25.18	95.513		
4,100.00	3,522.50	2,955.14	2,879.39	40.04	13.77	168.22	-493.31	-294.68	2,484.55	2,458.38	26.16	94.962		
4,200.00	3,601.49	3,042.96	2,963.41	41.33	14.30	168.15	-516.45	-305.49	2,563.26	2,536.15	27.11	94.549		
4,300.00	3,680.47	3,075.46	2,994.45	42.63	14.50	168.12	-525.23	-309.44	2,642.20	2,614.71	27.49	96.129		
4,400.00	3,759.46	3,116.87	3,033.84	43.92	14.76	168.08	-536.89	-314.68	2,721.77	2,693.82	27.96	97.356		
4,500.00	3,838.45	3,186.67	3,100.15	45.22	15.20	167.99	-556.90	-323.22	2,801.39	2,772.65	28.73	97.491		
4,600.00	3,917.44	3,329.17	3,236.44	46.51	16.06	167.84	-595.49	-338.66	2,879.23	2,848.96	30.27	95.127		
4,700.00	3,996.43	3,386.00	3,290.90	47.81	16.40	167.80	-610.61	-344.69	2,957.20	2,926.30	30.90	95.693		
4,800.00	4,075.42	3,386.00	3,290.90	49.10	16.40	167.80	-610.61	-344.69	3,035.74	3,004.79	30.95	98.090		
4,900.00	4,154.40	3,432.98	3,335.72	50.40	16.70	167.75	-623.60	-350.08	3,114.69	3,083.20	31.49	98.919		
5,000.00	4,233.39	3,481.00	3,381.25	51.70	17.00	167.70	-637.57	-356.22	3,194.64	3,162.60	32.04	99.714		

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-20-01
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-20-01	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	4,312.38	3,630.16	3,523.52	52.99	17.93	167.61	-678.47	-374.37	3,274.11	3,240.47	33.65	97.312		
5,200.00	4,391.37	3,696.32	3,587.04	54.29	18.33	167.58	-695.54	-381.56	3,351.93	3,317.55	34.38	97.496		
5,300.00	4,470.36	3,733.53	3,622.65	55.59	18.55	167.56	-705.56	-385.55	3,430.11	3,395.29	34.82	98.509		
5,400.00	4,549.34	3,768.00	3,655.52	56.89	18.76	167.52	-715.25	-389.24	3,508.75	3,473.52	35.23	99.590		
5,500.00	4,628.33	3,817.19	3,702.32	58.18	19.07	167.47	-729.45	-394.56	3,587.73	3,551.92	35.81	100.197		
5,600.00	4,707.32	10,420.81	6,966.20	59.48	91.49	130.23	-1,596.18	2,732.24	3,645.45	3,528.38	117.07	31.140		
5,700.00	4,786.31	10,440.12	6,966.11	60.78	91.98	129.97	-1,594.93	2,751.50	3,615.90	3,495.75	120.15	30.096		
5,800.00	4,865.30	10,473.00	6,965.73	62.08	92.81	129.52	-1,593.54	2,784.35	3,588.68	3,465.13	123.55	29.047		
5,900.00	4,944.28	10,473.00	6,965.73	63.38	92.81	129.52	-1,593.54	2,784.35	3,563.61	3,437.42	126.20	28.238		
6,000.00	5,023.27	10,512.46	6,964.91	64.68	93.82	128.98	-1,592.74	2,823.79	3,540.83	3,411.04	129.78	27.283		
6,100.00	5,102.26	10,543.29	6,963.99	65.97	94.61	128.55	-1,592.55	2,854.60	3,520.27	3,387.10	133.17	26.435		
6,200.00	5,181.25	10,569.00	6,963.04	67.27	95.27	128.18	-1,592.69	2,880.30	3,502.00	3,365.58	136.42	25.671		
6,300.00	5,260.24	10,608.84	6,961.55	68.57	96.31	127.62	-1,593.16	2,920.11	3,486.01	3,345.98	140.03	24.895		
6,400.00	5,339.23	10,644.39	6,960.42	69.87	97.23	127.11	-1,593.68	2,955.64	3,472.30	3,328.80	143.50	24.197		
6,500.00	5,418.21	10,683.51	6,959.36	71.17	98.24	126.56	-1,594.36	2,994.74	3,460.89	3,313.84	147.05	23.536		
6,600.00	5,497.20	10,726.59	6,958.29	72.47	99.36	125.95	-1,595.19	3,037.79	3,451.69	3,301.01	150.68	22.908		
6,700.00	5,576.19	10,759.00	6,957.53	73.77	100.20	125.49	-1,595.87	3,070.19	3,444.74	3,290.78	153.96	22.374		
6,800.00	5,655.18	10,803.43	6,956.65	75.07	101.36	124.86	-1,596.95	3,114.59	3,440.08	3,282.53	157.55	21.835		
6,900.00	5,734.17	10,839.39	6,956.12	76.37	102.30	124.35	-1,597.95	3,150.54	3,437.78	3,276.95	160.83	21.375		
6,948.56	5,772.52	10,858.44	6,955.91	77.00	102.79	124.08	-1,598.53	3,169.58	3,437.52	3,275.07	162.45	21.161		
7,000.00	5,813.15	10,891.53	6,955.83	77.67	103.66	123.62	-1,599.44	3,202.66	3,437.77	3,273.22	164.54	20.893		
7,100.00	5,892.14	10,960.21	6,956.98	78.97	105.45	122.67	-1,600.68	3,271.31	3,439.66	3,270.96	168.69	20.390		
7,200.00	5,971.13	11,018.69	6,957.89	80.27	106.98	121.86	-1,601.61	3,329.78	3,443.42	3,270.93	172.48	19.964		
7,300.00	6,050.12	11,073.97	6,958.11	81.57	108.43	121.09	-1,602.63	3,385.05	3,449.14	3,273.02	176.13	19.583		
7,400.00	6,129.11	11,127.08	6,958.32	82.86	109.82	120.35	-1,603.63	3,438.15	3,456.91	3,277.28	179.63	19.245		
7,500.00	6,208.09	11,231.63	6,958.80	84.16	112.56	118.90	-1,604.94	3,542.69	3,466.40	3,281.71	184.70	18.768		
7,600.00	6,287.08	11,290.86	6,959.14	85.46	114.11	118.08	-1,605.12	3,601.92	3,477.32	3,289.06	188.26	18.471		
7,700.00	6,366.07	11,350.80	6,959.74	86.76	115.68	117.26	-1,605.21	3,661.85	3,490.17	3,298.40	191.77	18.200		
7,800.00	6,445.06	11,415.88	6,959.55	88.06	117.39	116.36	-1,605.29	3,726.94	3,504.81	3,309.45	195.36	17.940		
7,900.00	6,524.05	11,581.46	6,961.31	89.36	121.72	114.11	-1,601.87	3,892.44	3,519.98	3,317.97	202.01	17.425		
8,000.00	6,603.03	11,659.08	6,962.85	90.66	123.75	113.07	-1,598.97	3,969.99	3,536.41	3,330.60	205.82	17.182		
8,100.00	6,682.02	11,777.82	6,964.14	91.96	126.85	111.48	-1,593.42	4,088.59	3,554.20	3,343.42	210.77	16.863		
8,133.44	6,708.44	11,785.27	6,964.23	92.40	127.05	111.38	-1,592.82	4,096.02	3,560.16	3,348.72	211.44	16.838		
8,150.00	6,721.39	11,828.86	6,964.67	92.62	128.18	109.41	-1,590.29	4,139.54	3,563.22	3,350.26	212.96	16.732		
8,200.00	6,758.90	11,860.39	6,965.00	93.34	129.00	105.31	-1,588.30	4,171.00	3,571.94	3,357.33	214.60	16.644		
8,250.00	6,793.76	11,895.17	6,965.36	94.13	129.91	101.88	-1,586.09	4,205.71	3,580.04	3,363.65	216.39	16.544		
8,300.00	6,825.72	11,900.00	6,965.41	95.00	130.04	99.31	-1,585.79	4,210.52	3,587.54	3,370.21	217.33	16.507		
8,350.00	6,854.52	11,900.00	6,965.41	95.93	130.04	97.20	-1,585.79	4,210.52	3,594.59	3,376.44	218.14	16.478		
8,400.00	6,879.97	11,900.00	6,965.41	96.92	130.04	95.43	-1,585.79	4,210.52	3,601.13	3,382.17	218.97	16.446		
8,450.00	6,901.84	11,900.00	6,965.41	97.95	130.04	93.96	-1,585.79	4,210.52	3,607.13	3,387.34	219.79	16.412		
8,500.00	6,920.00	11,900.00	6,965.41	99.02	130.04	92.75	-1,585.79	4,210.52	3,612.54	3,391.93	220.61	16.375		
8,550.00	6,934.28	11,900.00	6,965.41	100.12	130.04	91.78	-1,585.79	4,210.52	3,617.32	3,395.90	221.42	16.337		
8,600.00	6,944.59	11,900.00	6,965.41	101.22	130.04	91.03	-1,585.79	4,210.52	3,621.44	3,399.24	222.19	16.299		
8,650.00	6,950.84	11,900.00	6,965.41	102.33	130.04	90.50	-1,585.79	4,210.52	3,624.86	3,401.93	222.94	16.260		
8,701.16	6,953.00	11,900.00	6,965.41	103.44	130.04	90.16	-1,585.79	4,210.52	3,627.63	3,403.98	223.65	16.220		
8,800.00	6,953.00	11,900.00	6,965.41	105.59	130.04	90.16	-1,585.79	4,210.52	3,633.57	3,408.66	224.91	16.155		
8,900.00	6,953.00	11,900.00	6,965.41	107.79	130.04	90.16	-1,585.79	4,210.52	3,642.31	3,416.26	226.05	16.113		
9,000.00	6,953.00	11,900.00	6,965.41	110.02	130.04	90.16	-1,585.79	4,210.52	3,653.76	3,426.73	227.04	16.093 SF		
9,100.00	6,953.00	11,900.00	6,965.41	112.26	130.04	90.16	-1,585.79	4,210.52	3,667.91	3,440.03	227.88	16.095		
9,200.00	6,953.00	11,900.00	6,965.41	114.52	130.04	90.16	-1,585.79	4,210.52	3,684.72	3,456.13	228.59	16.120		
9,300.00	6,953.00	11,900.00	6,965.41	116.80	130.04	90.16	-1,585.79	4,210.52	3,704.15	3,475.00	229.14	16.165		
9,400.00	6,953.00	11,900.00	6,965.41	119.10	130.04	90.16	-1,585.79	4,210.52	3,726.16	3,496.60	229.56	16.232		

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-20-01
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-20-01	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												
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					
9,500.00	6,953.00	11,900.00	6,965.41	121.42	130.04	90.16	-1,585.79	4,210.52	3,750.71	3,520.87	229.84	16.318						
9,600.00	6,953.00	11,900.00	6,965.41	123.75	130.04	90.16	-1,585.79	4,210.52	3,777.75	3,547.76	230.00	16.425						
9,700.00	6,953.00	11,900.00	6,965.41	126.10	130.04	90.16	-1,585.79	4,210.52	3,807.23	3,577.21	230.02	16.552						
9,800.00	6,953.00	11,900.00	6,965.41	128.46	130.04	90.16	-1,585.79	4,210.52	3,839.08	3,609.16	229.92	16.697						
9,900.00	6,953.00	11,900.00	6,965.41	130.84	130.04	90.16	-1,585.79	4,210.52	3,873.26	3,643.54	229.71	16.861						
10,000.00	6,953.00	11,900.00	6,965.41	133.23	130.04	90.16	-1,585.79	4,210.52	3,909.69	3,680.30	229.39	17.044						
10,100.00	6,953.00	11,900.00	6,965.41	135.63	130.04	90.16	-1,585.79	4,210.52	3,948.32	3,719.35	228.97	17.244						
10,200.00	6,953.00	11,900.00	6,965.41	138.04	130.04	90.16	-1,585.79	4,210.52	3,989.09	3,760.64	228.45	17.462						
10,300.00	6,953.00	11,900.00	6,965.41	140.46	130.04	90.16	-1,585.79	4,210.52	4,031.92	3,804.08	227.84	17.696						
10,400.00	6,953.00	11,900.00	6,965.41	142.90	130.04	90.16	-1,585.79	4,210.52	4,076.76	3,849.60	227.16	17.947						
10,500.00	6,953.00	11,900.00	6,965.41	145.34	130.04	90.16	-1,585.79	4,210.52	4,123.53	3,897.14	226.39	18.214						
10,600.00	6,953.00	11,900.00	6,965.41	147.80	130.04	90.16	-1,585.79	4,210.52	4,172.18	3,946.62	225.56	18.497						
10,700.00	6,953.00	11,900.00	6,965.41	150.26	130.04	90.16	-1,585.79	4,210.52	4,222.64	3,997.97	224.67	18.795						
10,800.00	6,953.00	11,900.00	6,965.41	152.73	130.04	90.16	-1,585.79	4,210.52	4,274.84	4,051.11	223.72	19.108						
10,900.00	6,953.00	11,900.00	6,965.41	155.21	130.04	90.16	-1,585.79	4,210.52	4,328.72	4,105.99	222.73	19.435						
11,000.00	6,953.00	11,900.00	6,965.41	157.70	130.04	90.16	-1,585.79	4,210.52	4,384.22	4,162.53	221.69	19.777						
11,100.00	6,953.00	11,900.00	6,965.41	160.20	130.04	90.16	-1,585.79	4,210.52	4,441.27	4,220.67	220.61	20.132						
11,200.00	6,953.00	11,900.00	6,965.41	162.70	130.04	90.16	-1,585.79	4,210.52	4,499.83	4,280.34	219.50	20.501						
11,300.00	6,953.00	11,900.00	6,965.41	165.21	130.04	90.16	-1,585.79	4,210.52	4,559.83	4,341.47	218.36	20.883						
11,400.00	6,953.00	11,900.00	6,965.41	167.73	130.04	90.16	-1,585.79	4,210.52	4,621.21	4,404.02	217.19	21.277						
11,500.00	6,953.00	11,900.00	6,965.41	170.25	130.04	90.16	-1,585.79	4,210.52	4,683.93	4,467.92	216.01	21.684						
11,600.00	6,953.00	11,900.00	6,965.41	172.78	130.04	90.16	-1,585.79	4,210.52	4,747.92	4,533.11	214.81	22.102						
11,700.00	6,953.00	11,900.00	6,965.41	175.31	130.04	90.16	-1,585.79	4,210.52	4,813.14	4,599.54	213.60	22.533						
11,800.00	6,953.00	11,900.00	6,965.41	177.85	130.04	90.16	-1,585.79	4,210.52	4,879.54	4,667.15	212.39	22.975						
11,900.00	6,953.00	11,900.00	6,965.41	180.40	130.04	90.16	-1,585.79	4,210.52	4,947.07	4,735.90	211.16	23.428						
12,000.00	6,953.00	11,900.00	6,965.41	182.95	130.04	90.16	-1,585.79	4,210.52	5,015.68	4,805.74	209.94	23.891						
12,100.00	6,953.00	11,900.00	6,965.41	185.50	130.04	90.16	-1,585.79	4,210.52	5,085.33	4,876.62	208.71	24.365						
12,200.00	6,953.00	11,900.00	6,965.41	188.06	130.04	90.16	-1,585.79	4,210.52	5,155.98	4,948.50	207.49	24.850						
12,300.00	6,953.00	11,900.00	6,965.41	190.63	130.04	90.16	-1,585.79	4,210.52	5,227.59	5,021.33	206.27	25.344						
12,400.00	6,953.00	11,900.00	6,965.41	193.20	130.04	90.16	-1,585.79	4,210.52	5,300.12	5,095.07	205.05	25.848						
12,500.00	6,953.00	11,900.00	6,965.41	195.77	130.04	90.16	-1,585.79	4,210.52	5,373.53	5,169.69	203.85	26.361						
12,600.00	6,953.00	11,900.00	6,965.41	198.35	130.04	90.16	-1,585.79	4,210.52	5,447.79	5,245.14	202.65	26.883						
12,700.00	6,953.00	11,900.00	6,965.41	200.93	130.04	90.16	-1,585.79	4,210.52	5,522.86	5,321.40	201.46	27.414						
12,800.00	6,953.00	11,900.00	6,965.41	203.51	130.04	90.16	-1,585.79	4,210.52	5,598.71	5,398.43	200.28	27.954						
12,900.00	6,953.00	11,900.00	6,965.41	206.10	130.04	90.16	-1,585.79	4,210.52	5,675.31	5,476.19	199.12	28.502						
13,000.00	6,953.00	11,900.00	6,965.41	208.69	130.04	90.16	-1,585.79	4,210.52	5,752.63	5,554.65	197.97	29.058						
13,100.00	6,953.00	11,900.00	6,965.41	211.29	130.04	90.16	-1,585.79	4,210.52	5,830.63	5,633.80	196.84	29.622						
13,200.00	6,953.00	11,900.00	6,965.41	213.88	130.04	90.16	-1,585.79	4,210.52	5,909.30	5,713.59	195.71	30.193						
13,300.00	6,953.00	11,900.00	6,965.41	216.48	130.04	90.16	-1,585.79	4,210.52	5,988.61	5,794.00	194.61	30.772						
13,400.00	6,953.00	11,900.00	6,965.41	219.09	130.04	90.16	-1,585.79	4,210.52	6,068.52	5,875.00	193.52	31.359						
13,500.00	6,953.00	11,900.00	6,965.41	221.69	130.04	90.16	-1,585.79	4,210.52	6,149.03	5,956.58	192.45	31.952						
13,600.00	6,953.00	11,900.00	6,965.41	224.30	130.04	90.16	-1,585.79	4,210.52	6,230.10	6,038.71	191.39	32.552						
13,700.00	6,953.00	11,900.00	6,965.41	226.92	130.04	90.16	-1,585.79	4,210.52	6,311.71	6,121.36	190.35	33.159						
13,800.00	6,953.00	11,900.00	6,965.41	229.53	130.04	90.16	-1,585.79	4,210.52	6,393.85	6,204.52	189.32	33.772						
13,900.00	6,953.00	11,900.00	6,965.41	232.15	130.04	90.16	-1,585.79	4,210.52	6,476.48	6,288.17	188.32	34.392						
14,000.00	6,953.00	11,900.00	6,965.41	234.77	130.04	90.16	-1,585.79	4,210.52	6,559.60	6,372.28	187.33	35.017						
14,100.00	6,953.00	11,900.00	6,965.41	237.39	130.04	90.16	-1,585.79	4,210.52	6,643.19	6,456.84	186.35	35.649						
14,200.00	6,953.00	11,900.00	6,965.41	240.01	130.04	90.16	-1,585.79	4,210.52	6,727.22	6,541.83	185.40	36.286						
14,300.00	6,953.00	11,900.00	6,965.41	242.64	130.04	90.16	-1,585.79	4,210.52	6,811.69	6,627.23	184.46	36.928						
14,400.00	6,953.00	11,900.00	6,965.41	245.27	130.04	90.16	-1,585.79	4,210.52	6,896.57	6,713.04	183.53	37.577						
14,500.00	6,953.00	11,900.00	6,965.41	247.90	130.04	90.16	-1,585.79	4,210.52	6,981.85	6,799.22	182.63	38.230						
14,600.00	6,953.00	11,900.00	6,965.41	250.53	130.04	90.16	-1,585.79	4,210.52	7,067.52	6,885.78	181.74	38.888						

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-20-01
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-20-01	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		
14,700.00	6,953.00	11,900.00	6,965.41	253.16	130.04	90.16	-1,585.79	4,210.52	7,153.56	6,972.69	180.87	39.552		
14,800.00	6,953.00	11,900.00	6,965.41	255.80	130.04	90.16	-1,585.79	4,210.52	7,239.95	7,059.94	180.01	40.220		
14,900.00	6,953.00	11,900.00	6,965.41	258.43	130.04	90.16	-1,585.79	4,210.52	7,326.70	7,147.53	179.17	40.893		
15,000.00	6,953.00	11,900.00	6,965.41	261.07	130.04	90.16	-1,585.79	4,210.52	7,413.78	7,235.43	178.34	41.570		
15,100.00	6,953.00	11,900.00	6,965.41	263.71	130.04	90.16	-1,585.79	4,210.52	7,501.18	7,323.64	177.53	42.252		
15,200.00	6,953.00	11,900.00	6,965.41	266.36	130.04	90.16	-1,585.79	4,210.52	7,588.89	7,412.15	176.74	42.938		
15,300.00	6,953.00	11,900.00	6,965.41	269.00	130.04	90.16	-1,585.79	4,210.52	7,676.90	7,500.94	175.96	43.628		
15,400.00	6,953.00	11,900.00	6,965.41	271.65	130.04	90.16	-1,585.79	4,210.52	7,765.20	7,590.00	175.20	44.322		
15,500.00	6,953.00	11,900.00	6,965.41	274.29	130.04	90.16	-1,585.79	4,210.52	7,853.78	7,679.33	174.45	45.020		
15,600.00	6,953.00	11,900.00	6,965.41	276.94	130.04	90.16	-1,585.79	4,210.52	7,942.64	7,768.92	173.72	45.722		
15,700.00	6,953.00	11,900.00	6,965.41	279.59	130.04	90.16	-1,585.79	4,210.52	8,031.75	7,858.76	173.00	46.427		
15,800.00	6,953.00	11,900.00	6,965.41	282.24	130.04	90.16	-1,585.79	4,210.52	8,121.12	7,948.83	172.29	47.136		
15,900.00	6,953.00	11,900.00	6,965.41	284.90	130.04	90.16	-1,585.79	4,210.52	8,210.74	8,039.14	171.60	47.848		
16,000.00	6,953.00	11,900.00	6,965.41	287.55	130.04	90.16	-1,585.79	4,210.52	8,300.59	8,129.67	170.92	48.564		
16,100.00	6,953.00	11,900.00	6,965.41	290.20	130.04	90.16	-1,585.79	4,210.52	8,390.67	8,220.41	170.25	49.283		
16,200.00	6,953.00	11,900.00	6,965.41	292.86	130.04	90.16	-1,585.79	4,210.52	8,480.97	8,311.37	169.60	50.005		
16,300.00	6,953.00	11,900.00	6,965.41	295.52	130.04	90.16	-1,585.79	4,210.52	8,571.49	8,402.53	168.96	50.730		
16,400.00	6,953.00	11,900.00	6,965.41	298.18	130.04	90.16	-1,585.79	4,210.52	8,662.22	8,493.88	168.34	51.458		
16,500.00	6,953.00	11,900.00	6,965.41	300.84	130.04	90.16	-1,585.79	4,210.52	8,753.15	8,585.43	167.72	52.189		
16,600.00	6,953.00	11,900.00	6,965.41	303.50	130.04	90.16	-1,585.79	4,210.52	8,844.27	8,677.16	167.12	52.923		
16,700.00	6,953.00	11,900.00	6,965.41	306.16	130.04	90.16	-1,585.79	4,210.52	8,935.59	8,769.06	166.53	53.659		
16,800.00	6,953.00	11,900.00	6,965.41	308.82	130.04	90.16	-1,585.79	4,210.52	9,027.09	8,861.14	165.95	54.398		
16,900.00	6,953.00	11,900.00	6,965.41	311.49	130.04	90.16	-1,585.79	4,210.52	9,118.76	8,953.39	165.38	55.139		
17,000.00	6,953.00	11,900.00	6,965.41	314.15	130.04	90.16	-1,585.79	4,210.52	9,210.62	9,045.79	164.82	55.883		
17,100.00	6,953.00	11,900.00	6,965.41	316.82	130.04	90.16	-1,585.79	4,210.52	9,302.63	9,138.36	164.27	56.629		
17,200.00	6,953.00	11,900.00	6,965.41	319.48	130.04	90.16	-1,585.79	4,210.52	9,394.82	9,231.08	163.74	57.377		
17,300.00	6,953.00	11,900.00	6,965.41	322.15	130.04	90.16	-1,585.79	4,210.52	9,487.16	9,323.94	163.21	58.127		
17,400.00	6,953.00	11,900.00	6,965.41	324.82	130.04	90.16	-1,585.79	4,210.52	9,579.65	9,416.95	162.70	58.880		
17,500.00	6,953.00	11,900.00	6,965.41	327.49	130.04	90.16	-1,585.79	4,210.52	9,672.29	9,510.10	162.19	59.634		
17,600.00	6,953.00	11,900.00	6,965.41	330.16	130.04	90.16	-1,585.79	4,210.52	9,765.08	9,603.38	161.70	60.391		
17,700.00	6,953.00	11,900.00	6,965.41	332.83	130.04	90.16	-1,585.79	4,210.52	9,858.01	9,696.80	161.21	61.149		
17,800.00	6,953.00	11,900.00	6,965.41	335.50	130.04	90.16	-1,585.79	4,210.52	9,951.08	9,790.34	160.74	61.910		
17,900.00	6,953.00	11,900.00	6,965.41	338.17	130.04	90.16	-1,585.79	4,210.52	10,044.28	9,884.01	160.27	62.671		
18,000.00	6,953.00	11,900.00	6,965.41	340.85	130.04	90.16	-1,585.79	4,210.52	10,137.61	9,977.80	159.81	63.435		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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		
0.00	0.00	2.00	2.00	0.00	0.00	-92.11	-1.46	-39.58	39.61					
100.00	100.00	101.81	101.81	0.27	0.16	-91.97	-1.37	-39.83	39.85	39.43	0.43	93.324 ES		
200.00	199.98	201.59	201.58	0.63	0.31	-156.00	-1.11	-40.55	42.15	41.21	0.94	44.853		
300.00	299.84	301.15	301.14	0.99	0.64	-158.00	-0.77	-41.76	48.16	46.52	1.64	29.455		
400.00	399.45	400.67	400.65	1.36	1.00	-160.68	-0.38	-43.23	57.75	55.39	2.36	24.479		
500.00	498.70	499.74	499.70	1.76	1.36	-163.37	0.04	-44.69	70.74	67.65	3.08	22.931		
600.00	597.47	597.97	597.92	2.18	1.71	-165.87	0.26	-46.39	87.46	83.65	3.81	22.955		
700.00	695.62	696.62	696.56	2.63	2.06	-168.51	-0.41	-47.56	107.39	102.86	4.53	23.700		
800.00	793.06	793.53	793.46	3.11	2.40	-170.81	-1.54	-48.20	130.48	125.23	5.25	24.863		
900.00	889.64	886.37	886.24	3.64	2.72	-173.07	-4.39	-49.46	158.33	152.37	5.95	26.591		
1,000.00	985.27	976.52	976.20	4.22	3.05	-175.39	-9.83	-51.82	191.82	185.17	6.65	28.850		
1,100.00	1,079.82	1,065.82	1,065.11	4.84	3.37	-177.59	-17.52	-54.80	230.39	223.05	7.34	31.376		
1,200.00	1,173.17	1,150.68	1,149.35	5.52	3.69	-179.63	-27.21	-57.99	273.87	265.85	8.02	34.154		
1,300.00	1,265.21	1,234.53	1,232.28	6.26	4.02	178.44	-39.15	-61.40	322.09	313.39	8.70	37.025		
1,400.00	1,355.84	1,312.26	1,308.87	7.06	4.34	176.80	-51.94	-64.84	374.78	365.43	9.35	40.084		
1,500.00	1,444.94	1,384.80	1,380.04	7.92	4.65	175.42	-65.37	-68.96	432.34	422.37	9.97	43.357		
1,600.00	1,532.39	1,452.91	1,446.59	8.84	4.95	174.31	-78.92	-73.97	494.56	484.00	10.57	46.801		
1,700.00	1,618.11	1,516.74	1,508.63	9.83	5.25	173.30	-92.91	-79.38	561.10	549.96	11.14	50.363		
1,800.00	1,701.97	1,584.65	1,574.31	10.89	5.57	172.28	-109.03	-85.52	631.32	619.55	11.77	53.635		
1,900.00	1,783.88	1,654.17	1,641.54	12.02	5.92	171.36	-125.61	-91.72	703.99	691.56	12.43	56.633		
1,991.28	1,856.86	1,705.65	1,691.28	13.11	6.19	170.68	-138.01	-96.43	772.59	759.65	12.94	59.728		
2,000.00	1,863.75	1,710.17	1,695.64	13.21	6.21	170.65	-139.12	-96.88	779.28	766.30	12.98	60.016		
2,100.00	1,942.74	1,760.89	1,744.46	14.45	6.48	170.37	-151.80	-102.19	856.53	843.06	13.48	63.561		
2,200.00	2,021.72	1,809.73	1,791.30	15.69	6.74	170.13	-164.44	-107.90	934.75	920.80	13.95	67.001		
2,300.00	2,100.71	1,857.00	1,836.44	16.95	6.99	169.93	-177.04	-113.98	1,013.89	999.47	14.41	70.341		
2,400.00	2,179.70	1,893.33	1,870.96	18.21	7.20	169.78	-187.15	-119.14	1,094.12	1,079.35	14.77	74.069		
2,500.00	2,258.69	1,927.75	1,903.42	19.47	7.40	169.64	-197.21	-124.53	1,175.62	1,160.51	15.11	77.809		
2,600.00	2,337.68	1,953.00	1,927.09	20.74	7.55	169.54	-204.90	-128.81	1,258.31	1,242.96	15.35	81.992		
2,700.00	2,416.66	2,004.03	1,974.65	22.02	7.88	169.32	-221.05	-137.83	1,341.64	1,325.76	15.88	84.482		
2,800.00	2,495.65	2,048.00	2,015.39	23.29	8.15	169.13	-235.54	-145.82	1,425.61	1,409.27	16.34	87.253		
2,900.00	2,574.64	2,116.10	2,078.44	24.57	8.60	168.84	-258.27	-157.89	1,509.58	1,492.50	17.08	88.381		
3,000.00	2,653.63	2,177.35	2,135.29	25.85	9.01	168.58	-278.70	-168.02	1,592.95	1,575.20	17.75	89.735		
3,100.00	2,732.62	2,229.02	2,183.04	27.14	9.36	168.32	-296.72	-176.03	1,676.39	1,658.06	18.32	91.493		
3,200.00	2,811.61	2,343.09	2,288.56	28.42	10.13	167.71	-337.34	-191.12	1,759.16	1,739.53	19.62	89.653		
3,300.00	2,890.59	2,404.15	2,345.25	29.71	10.54	167.40	-358.95	-197.96	1,840.80	1,820.48	20.32	90.574		
3,400.00	2,969.58	2,463.31	2,400.17	31.00	10.95	167.11	-380.03	-204.24	1,922.27	1,901.26	21.01	91.495		
3,500.00	3,048.57	2,517.97	2,450.84	32.29	11.32	166.84	-399.73	-209.93	2,003.81	1,982.17	21.65	92.559		
3,600.00	3,127.56	2,610.85	2,537.14	33.58	11.95	166.44	-432.80	-219.16	2,085.01	2,062.28	22.73	91.716		
3,700.00	3,206.55	2,735.10	2,653.90	34.87	12.77	166.06	-473.81	-230.06	2,164.50	2,140.34	24.15	89.617		
3,800.00	3,285.53	2,793.71	2,709.44	36.16	13.14	165.95	-491.76	-235.41	2,243.36	2,218.53	24.83	90.360		
3,900.00	3,364.52	2,835.36	2,748.97	37.45	13.41	165.90	-504.19	-239.64	2,322.44	2,297.13	25.31	91.744		
4,000.00	3,443.51	2,867.85	2,779.69	38.74	13.62	165.86	-514.13	-243.22	2,402.22	2,376.52	25.70	93.470		
4,100.00	3,522.50	2,908.00	2,817.49	40.04	13.88	165.81	-526.81	-247.97	2,482.72	2,456.55	26.17	94.866		
4,200.00	3,601.49	3,053.93	2,955.79	41.33	14.81	165.66	-570.69	-263.39	2,561.77	2,533.97	27.80	92.161		
4,300.00	3,680.47	3,114.53	3,013.56	42.63	15.19	165.63	-587.91	-269.63	2,640.34	2,611.85	28.48	92.694		
4,400.00	3,759.46	3,175.07	3,071.34	43.92	15.57	165.62	-604.75	-276.18	2,718.94	2,689.77	29.17	93.208		
4,500.00	3,838.45	3,195.00	3,090.37	45.22	15.69	165.62	-610.22	-278.41	2,797.87	2,768.44	29.42	95.090		
4,600.00	3,917.44	3,245.20	3,138.20	46.51	16.01	165.62	-624.22	-284.41	2,877.14	2,847.14	30.00	95.915		
4,700.00	3,996.43	3,290.00	3,180.67	47.81	16.29	165.62	-637.20	-290.33	2,957.29	2,926.78	30.51	96.920		
4,800.00	4,075.42	3,358.51	3,245.59	49.10	16.73	165.61	-657.11	-299.45	3,037.66	3,006.37	31.29	97.092		
4,900.00	4,154.40	3,422.65	3,306.57	50.40	17.14	165.62	-675.28	-307.55	3,117.35	3,085.34	32.01	97.384		
5,000.00	4,233.39	3,466.33	3,348.08	51.70	17.42	165.63	-687.54	-313.40	3,197.33	3,164.81	32.51	98.334		

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-20-01
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-20-01	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	4,312.38	3,506.96	3,386.65	52.99	17.68	165.64	-698.98	-319.08	3,277.62	3,244.64	32.99	99.360		
5,200.00	4,391.37	3,545.70	3,423.32	54.29	17.94	165.64	-710.22	-324.52	3,358.29	3,324.84	33.44	100.423		
5,300.00	4,470.36	3,577.00	3,452.87	55.59	18.14	165.64	-719.58	-328.91	3,439.31	3,405.50	33.82	101.709		
5,400.00	4,549.34	3,608.03	3,482.05	56.89	18.35	165.63	-729.14	-333.34	3,520.80	3,486.61	34.19	102.969		
5,500.00	4,628.33	3,633.61	3,506.01	58.18	18.53	165.62	-737.28	-337.09	3,602.82	3,568.31	34.51	104.401		
5,600.00	4,707.32	3,672.00	3,541.79	59.48	18.80	165.59	-749.93	-342.89	3,685.38	3,650.41	34.97	105.383		
5,700.00	4,786.31	3,672.00	3,541.79	60.78	18.80	165.59	-749.93	-342.89	3,768.36	3,733.36	35.00	107.674		
5,800.00	4,865.30	3,672.00	3,541.79	62.08	18.80	165.59	-749.93	-342.89	3,852.14	3,817.12	35.02	109.995		
5,900.00	4,944.28	3,721.07	3,587.08	63.38	19.16	165.54	-767.21	-350.47	3,935.83	3,900.20	35.63	110.474		
6,000.00	5,023.27	10,785.61	7,114.56	64.68	95.30	128.43	-1,949.79	2,829.66	3,922.17	3,790.56	131.61	29.802		
6,100.00	5,102.26	10,816.74	7,115.16	65.97	96.09	128.06	-1,948.67	2,860.76	3,903.00	3,768.18	134.82	28.950		
6,200.00	5,181.25	10,855.00	7,115.85	67.27	97.07	127.59	-1,947.66	2,899.00	3,885.86	3,747.66	138.20	28.118		
6,300.00	5,260.24	10,881.98	7,116.25	68.57	97.76	127.26	-1,947.19	2,925.97	3,870.74	3,729.44	141.30	27.394		
6,400.00	5,339.23	10,916.80	7,116.57	69.87	98.65	126.83	-1,946.87	2,960.79	3,857.65	3,713.07	144.59	26.681		
6,500.00	5,418.21	10,950.00	7,116.67	71.17	99.50	126.42	-1,946.88	2,993.99	3,846.62	3,698.81	147.81	26.023		
6,600.00	5,497.20	10,999.98	7,116.60	72.47	100.79	125.79	-1,947.20	3,043.97	3,837.58	3,686.09	151.48	25.334		
6,700.00	5,576.19	11,109.85	7,116.66	73.77	103.62	124.42	-1,946.92	3,153.83	3,829.89	3,673.13	156.77	24.431		
6,800.00	5,655.18	11,188.45	7,117.32	75.07	105.64	123.44	-1,945.34	3,232.41	3,823.25	3,662.07	161.18	23.720		
6,900.00	5,734.17	11,237.00	7,117.85	76.37	106.89	122.84	-1,944.62	3,280.95	3,818.77	3,654.01	164.76	23.178		
7,000.00	5,813.15	11,279.55	7,118.16	77.67	107.99	122.31	-1,944.18	3,323.50	3,816.21	3,648.06	168.15	22.696		
7,100.00	5,892.14	11,441.83	7,117.38	78.97	112.19	120.27	-1,940.58	3,485.73	3,814.84	3,640.00	174.84	21.819		
7,173.90	5,950.52	11,474.29	7,117.44	79.93	113.03	119.87	-1,939.37	3,518.16	3,814.37	3,637.02	177.34	21.508		
7,200.00	5,971.13	11,490.18	7,117.58	80.27	113.44	119.67	-1,938.72	3,534.04	3,814.43	3,636.08	178.34	21.388		
7,300.00	6,050.12	11,523.00	7,118.15	81.57	114.28	119.27	-1,937.29	3,566.82	3,815.82	3,634.47	181.35	21.041		
7,400.00	6,129.11	11,562.03	7,119.06	82.86	115.29	118.79	-1,935.74	3,605.82	3,819.27	3,634.80	184.47	20.704		
7,500.00	6,208.09	11,588.34	7,119.71	84.16	115.98	118.47	-1,934.96	3,632.10	3,824.98	3,637.82	187.16	20.437		
7,600.00	6,287.08	11,619.00	7,120.49	85.46	116.77	118.09	-1,934.32	3,662.75	3,832.90	3,643.00	189.90	20.184		
7,700.00	6,366.07	11,672.37	7,121.67	86.76	118.16	117.43	-1,933.48	3,716.09	3,842.81	3,649.57	193.24	19.886		
7,800.00	6,445.06	11,809.00	7,123.30	88.06	121.72	115.75	-1,930.14	3,852.67	3,853.94	3,654.94	199.00	19.366		
7,900.00	6,524.05	11,809.00	7,123.30	89.36	121.72	115.75	-1,930.14	3,852.67	3,866.51	3,665.87	200.64	19.271		
8,000.00	6,603.03	11,845.65	7,123.52	90.66	122.68	115.30	-1,929.13	3,889.30	3,881.00	3,677.72	203.28	19.092		
8,100.00	6,682.02	11,860.82	7,123.54	91.96	123.07	115.11	-1,928.99	3,904.47	3,897.99	3,692.82	205.17	18.999		
8,133.44	6,708.44	11,865.83	7,123.54	92.40	123.20	115.05	-1,928.98	3,909.48	3,904.17	3,698.40	205.77	18.973		
8,150.00	6,721.39	11,868.36	7,123.54	92.62	123.27	113.60	-1,928.98	3,912.01	3,907.30	3,701.23	206.07	18.961		
8,200.00	6,758.90	11,905.00	7,123.39	93.34	124.23	109.40	-1,929.50	3,948.65	3,917.10	3,709.17	207.93	18.839		
8,250.00	6,793.76	11,905.00	7,123.39	94.13	124.23	106.25	-1,929.50	3,948.65	3,926.20	3,717.55	208.64	18.818		
8,300.00	6,825.72	11,905.00	7,123.39	95.00	124.23	103.57	-1,929.50	3,948.65	3,935.17	3,725.79	209.38	18.794		
8,350.00	6,854.52	11,905.00	7,123.39	95.93	124.23	101.27	-1,929.50	3,948.65	3,943.94	3,733.80	210.13	18.769		
8,400.00	6,879.97	11,945.46	7,122.97	96.92	125.29	99.00	-1,930.64	3,989.09	3,952.21	3,739.95	212.26	18.620		
8,450.00	6,901.84	11,984.39	7,122.31	97.95	126.32	97.10	-1,931.79	4,028.00	3,959.72	3,745.37	214.36	18.472		
8,500.00	6,920.00	12,053.78	7,120.55	99.02	128.15	95.37	-1,933.78	4,097.34	3,966.27	3,748.76	217.51	18.235		
8,550.00	6,934.28	12,120.55	7,118.23	100.12	129.91	94.04	-1,935.22	4,164.05	3,971.39	3,750.81	220.58	18.004		
8,600.00	6,944.59	12,168.84	7,116.47	101.22	131.18	93.14	-1,936.20	4,212.30	3,975.33	3,752.29	223.04	17.823		
8,650.00	6,950.84	12,180.00	7,116.07	102.33	131.48	92.62	-1,936.43	4,223.45	3,978.25	3,754.00	224.25	17.740		
8,701.16	6,953.00	12,180.00	7,116.07	103.44	131.48	92.32	-1,936.43	4,223.45	3,980.58	3,755.52	225.06	17.687		
8,800.00	6,953.00	12,180.00	7,116.07	105.59	131.48	92.32	-1,936.43	4,223.45	3,985.66	3,759.14	226.52	17.595		
8,900.00	6,953.00	12,180.00	7,116.07	107.79	131.48	92.32	-1,936.43	4,223.45	3,993.29	3,765.41	227.88	17.524		
9,000.00	6,953.00	12,180.00	7,116.07	110.02	131.48	92.32	-1,936.43	4,223.45	4,003.39	3,774.27	229.12	17.473		
9,100.00	6,953.00	12,180.00	7,116.07	112.26	131.48	92.32	-1,936.43	4,223.45	4,015.97	3,785.73	230.24	17.443		
9,200.00	6,953.00	12,180.00	7,116.07	114.52	131.48	92.32	-1,936.43	4,223.45	4,030.98	3,799.74	231.24	17.432 SF		
9,300.00	6,953.00	12,180.00	7,116.07	116.80	131.48	92.32	-1,936.43	4,223.45	4,048.42	3,816.30	232.12	17.441		
9,400.00	6,953.00	12,180.00	7,116.07	119.10	131.48	92.32	-1,936.43	4,223.45	4,068.23	3,835.35	232.88	17.469		

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-20-01
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-20-01	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											
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				
9,500.00	6,953.00	12,180.00	7,116.07	121.42	131.48	92.32	-1,936.43	4,223.45	4,090.40	3,856.87	233.52	17.516					
9,600.00	6,953.00	12,180.00	7,116.07	123.75	131.48	92.32	-1,936.43	4,223.45	4,114.87	3,880.82	234.05	17.581					
9,700.00	6,953.00	12,180.00	7,116.07	126.10	131.48	92.32	-1,936.43	4,223.45	4,141.62	3,907.16	234.46	17.664					
9,800.00	6,953.00	12,180.00	7,116.07	128.46	131.48	92.32	-1,936.43	4,223.45	4,170.59	3,935.83	234.77	17.765					
9,900.00	6,953.00	12,180.00	7,116.07	130.84	131.48	92.32	-1,936.43	4,223.45	4,201.75	3,966.78	234.97	17.882					
10,000.00	6,953.00	12,180.00	7,116.07	133.23	131.48	92.32	-1,936.43	4,223.45	4,235.03	3,999.97	235.06	18.017					
10,100.00	6,953.00	12,180.00	7,116.07	135.63	131.48	92.32	-1,936.43	4,223.45	4,270.40	4,035.34	235.06	18.167					
10,200.00	6,953.00	12,180.00	7,116.07	138.04	131.48	92.32	-1,936.43	4,223.45	4,307.81	4,072.84	234.97	18.333					
10,300.00	6,953.00	12,180.00	7,116.07	140.46	131.48	92.32	-1,936.43	4,223.45	4,347.19	4,112.40	234.79	18.515					
10,400.00	6,953.00	12,180.00	7,116.07	142.90	131.48	92.32	-1,936.43	4,223.45	4,388.49	4,153.97	234.52	18.712					
10,500.00	6,953.00	12,180.00	7,116.07	145.34	131.48	92.32	-1,936.43	4,223.45	4,431.67	4,197.49	234.18	18.924					
10,600.00	6,953.00	12,180.00	7,116.07	147.80	131.48	92.32	-1,936.43	4,223.45	4,476.67	4,242.90	233.77	19.150					
10,700.00	6,953.00	12,180.00	7,116.07	150.26	131.48	92.32	-1,936.43	4,223.45	4,523.42	4,290.14	233.29	19.390					
10,800.00	6,953.00	12,180.00	7,116.07	152.73	131.48	92.32	-1,936.43	4,223.45	4,571.89	4,339.15	232.74	19.643					
10,900.00	6,953.00	12,180.00	7,116.07	155.21	131.48	92.32	-1,936.43	4,223.45	4,622.02	4,389.87	232.14	19.910					
11,000.00	6,953.00	12,180.00	7,116.07	157.70	131.48	92.32	-1,936.43	4,223.45	4,673.74	4,442.25	231.49	20.190					
11,100.00	6,953.00	12,180.00	7,116.07	160.20	131.48	92.32	-1,936.43	4,223.45	4,727.02	4,496.23	230.79	20.482					
11,200.00	6,953.00	12,180.00	7,116.07	162.70	131.48	92.32	-1,936.43	4,223.45	4,781.79	4,551.75	230.04	20.787					
11,300.00	6,953.00	12,180.00	7,116.07	165.21	131.48	92.32	-1,936.43	4,223.45	4,838.01	4,608.76	229.25	21.103					
11,400.00	6,953.00	12,180.00	7,116.07	167.73	131.48	92.32	-1,936.43	4,223.45	4,895.63	4,667.20	228.43	21.431					
11,500.00	6,953.00	12,180.00	7,116.07	170.25	131.48	92.32	-1,936.43	4,223.45	4,954.60	4,727.02	227.58	21.771					
11,600.00	6,953.00	12,180.00	7,116.07	172.78	131.48	92.32	-1,936.43	4,223.45	5,014.87	4,788.17	226.70	22.121					
11,700.00	6,953.00	12,180.00	7,116.07	175.31	131.48	92.32	-1,936.43	4,223.45	5,076.39	4,850.59	225.79	22.482					
11,800.00	6,953.00	12,180.00	7,116.07	177.85	131.48	92.32	-1,936.43	4,223.45	5,139.12	4,914.25	224.87	22.854					
11,900.00	6,953.00	12,180.00	7,116.07	180.40	131.48	92.32	-1,936.43	4,223.45	5,203.02	4,979.09	223.93	23.235					
12,000.00	6,953.00	12,180.00	7,116.07	182.95	131.48	92.32	-1,936.43	4,223.45	5,268.04	5,045.07	222.97	23.627					
12,100.00	6,953.00	12,180.00	7,116.07	185.50	131.48	92.32	-1,936.43	4,223.45	5,334.14	5,112.14	222.00	24.028					
12,200.00	6,953.00	12,180.00	7,116.07	188.06	131.48	92.32	-1,936.43	4,223.45	5,401.29	5,180.27	221.02	24.438					
12,300.00	6,953.00	12,180.00	7,116.07	190.63	131.48	92.32	-1,936.43	4,223.45	5,469.44	5,249.41	220.03	24.858					
12,400.00	6,953.00	12,180.00	7,116.07	193.20	131.48	92.32	-1,936.43	4,223.45	5,538.55	5,319.52	219.04	25.286					
12,500.00	6,953.00	12,180.00	7,116.07	195.77	131.48	92.32	-1,936.43	4,223.45	5,608.60	5,390.56	218.04	25.723					
12,600.00	6,953.00	12,180.00	7,116.07	198.35	131.48	92.32	-1,936.43	4,223.45	5,679.55	5,462.51	217.04	26.168					
12,700.00	6,953.00	12,180.00	7,116.07	200.93	131.48	92.32	-1,936.43	4,223.45	5,751.35	5,535.31	216.04	26.622					
12,800.00	6,953.00	12,180.00	7,116.07	203.51	131.48	92.32	-1,936.43	4,223.45	5,823.99	5,608.95	215.04	27.083					
12,900.00	6,953.00	12,180.00	7,116.07	206.10	131.48	92.32	-1,936.43	4,223.45	5,897.44	5,683.39	214.05	27.552					
13,000.00	6,953.00	12,180.00	7,116.07	208.69	131.48	92.32	-1,936.43	4,223.45	5,971.65	5,758.59	213.06	28.028					
13,100.00	6,953.00	12,180.00	7,116.07	211.29	131.48	92.32	-1,936.43	4,223.45	6,046.60	5,834.53	212.07	28.512					
13,200.00	6,953.00	12,180.00	7,116.07	213.88	131.48	92.32	-1,936.43	4,223.45	6,122.28	5,911.18	211.10	29.002					
13,300.00	6,953.00	12,180.00	7,116.07	216.48	131.48	92.32	-1,936.43	4,223.45	6,198.64	5,988.51	210.12	29.500					
13,400.00	6,953.00	12,180.00	7,116.07	219.09	131.48	92.32	-1,936.43	4,223.45	6,275.66	6,066.50	209.16	30.004					
13,500.00	6,953.00	12,180.00	7,116.07	221.69	131.48	92.32	-1,936.43	4,223.45	6,353.33	6,145.12	208.20	30.515					
13,600.00	6,953.00	12,180.00	7,116.07	224.30	131.48	92.32	-1,936.43	4,223.45	6,431.61	6,224.35	207.26	31.032					
13,700.00	6,953.00	12,180.00	7,116.07	226.92	131.48	92.32	-1,936.43	4,223.45	6,510.49	6,304.16	206.32	31.555					
13,800.00	6,953.00	12,180.00	7,116.07	229.53	131.48	92.32	-1,936.43	4,223.45	6,589.94	6,384.54	205.40	32.084					
13,900.00	6,953.00	12,180.00	7,116.07	232.15	131.48	92.32	-1,936.43	4,223.45	6,669.94	6,465.46	204.48	32.619					
14,000.00	6,953.00	12,180.00	7,116.07	234.77	131.48	92.32	-1,936.43	4,223.45	6,750.48	6,546.90	203.57	33.160					
14,100.00	6,953.00	12,180.00	7,116.07	237.39	131.48	92.32	-1,936.43	4,223.45	6,831.53	6,628.85	202.68	33.706					
14,200.00	6,953.00	12,180.00	7,116.07	240.01	131.48	92.32	-1,936.43	4,223.45	6,913.08	6,711.28	201.80	34.257					
14,300.00	6,953.00	12,180.00	7,116.07	242.64	131.48	92.32	-1,936.43	4,223.45	6,995.10	6,794.17	200.93	34.814					
14,400.00	6,953.00	12,180.00	7,116.07	245.27	131.48	92.32	-1,936.43	4,223.45	7,077.59	6,877.52	200.07	35.375					
14,500.00	6,953.00	12,180.00	7,116.07	247.90	131.48	92.32	-1,936.43	4,223.45	7,160.52	6,961.30	199.23	35.942					
14,600.00	6,953.00	12,180.00	7,116.07	250.53	131.48	92.32	-1,936.43	4,223.45	7,243.89	7,045.50	198.39	36.513					

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-20-01
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-20-01	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		
14,700.00	6,953.00	12,180.00	7,116.07	253.16	131.48	92.32	-1,936.43	4,223.45	7,327.67	7,130.10	197.57	37.089		
14,800.00	6,953.00	12,180.00	7,116.07	255.80	131.48	92.32	-1,936.43	4,223.45	7,411.86	7,215.09	196.76	37.669		
14,900.00	6,953.00	12,180.00	7,116.07	258.43	131.48	92.32	-1,936.43	4,223.45	7,496.43	7,300.46	195.97	38.254		
15,000.00	6,953.00	12,180.00	7,116.07	261.07	131.48	92.32	-1,936.43	4,223.45	7,581.38	7,386.20	195.18	38.843		
15,100.00	6,953.00	12,180.00	7,116.07	263.71	131.48	92.32	-1,936.43	4,223.45	7,666.69	7,472.28	194.41	39.436		
15,200.00	6,953.00	12,180.00	7,116.07	266.36	131.48	92.32	-1,936.43	4,223.45	7,752.35	7,558.70	193.65	40.033		
15,300.00	6,953.00	12,180.00	7,116.07	269.00	131.48	92.32	-1,936.43	4,223.45	7,838.35	7,645.45	192.90	40.634		
15,400.00	6,953.00	12,180.00	7,116.07	271.65	131.48	92.32	-1,936.43	4,223.45	7,924.69	7,732.52	192.17	41.238		
15,500.00	6,953.00	12,180.00	7,116.07	274.29	131.48	92.32	-1,936.43	4,223.45	8,011.33	7,819.89	191.44	41.847		
15,600.00	6,953.00	12,180.00	7,116.07	276.94	131.48	92.32	-1,936.43	4,223.45	8,098.29	7,907.56	190.73	42.459		
15,700.00	6,953.00	12,180.00	7,116.07	279.59	131.48	92.32	-1,936.43	4,223.45	8,185.54	7,995.51	190.03	43.074		
15,800.00	6,953.00	12,180.00	7,116.07	282.24	131.48	92.32	-1,936.43	4,223.45	8,273.09	8,083.74	189.35	43.693		
15,900.00	6,953.00	12,180.00	7,116.07	284.90	131.48	92.32	-1,936.43	4,223.45	8,360.91	8,172.24	188.67	44.315		
16,000.00	6,953.00	12,180.00	7,116.07	287.55	131.48	92.32	-1,936.43	4,223.45	8,449.00	8,261.00	188.01	44.940		
16,100.00	6,953.00	12,180.00	7,116.07	290.20	131.48	92.32	-1,936.43	4,223.45	8,537.36	8,350.01	187.35	45.569		
16,200.00	6,953.00	12,180.00	7,116.07	292.86	131.48	92.32	-1,936.43	4,223.45	8,625.97	8,439.26	186.71	46.200		
16,300.00	6,953.00	12,180.00	7,116.07	295.52	131.48	92.32	-1,936.43	4,223.45	8,714.82	8,528.75	186.08	46.834		
16,400.00	6,953.00	12,180.00	7,116.07	298.18	131.48	92.32	-1,936.43	4,223.45	8,803.92	8,618.46	185.46	47.471		
16,500.00	6,953.00	12,180.00	7,116.07	300.84	131.48	92.32	-1,936.43	4,223.45	8,893.25	8,708.40	184.85	48.111		
16,600.00	6,953.00	12,180.00	7,116.07	303.50	131.48	92.32	-1,936.43	4,223.45	8,982.80	8,798.55	184.25	48.753		
16,700.00	6,953.00	12,180.00	7,116.07	306.16	131.48	92.32	-1,936.43	4,223.45	9,072.57	8,888.91	183.66	49.398		
16,800.00	6,953.00	12,180.00	7,116.07	308.82	131.48	92.32	-1,936.43	4,223.45	9,162.55	8,979.47	183.08	50.046		
16,900.00	6,953.00	12,180.00	7,116.07	311.49	131.48	92.32	-1,936.43	4,223.45	9,252.74	9,070.22	182.51	50.696		
17,000.00	6,953.00	12,180.00	7,116.07	314.15	131.48	92.32	-1,936.43	4,223.45	9,343.13	9,161.17	181.96	51.348		
17,100.00	6,953.00	12,180.00	7,116.07	316.82	131.48	92.32	-1,936.43	4,223.45	9,433.71	9,252.30	181.41	52.003		
17,200.00	6,953.00	12,180.00	7,116.07	319.48	131.48	92.32	-1,936.43	4,223.45	9,524.48	9,343.61	180.87	52.660		
17,300.00	6,953.00	12,180.00	7,116.07	322.15	131.48	92.32	-1,936.43	4,223.45	9,615.43	9,435.09	180.34	53.319		
17,400.00	6,953.00	12,180.00	7,116.07	324.82	131.48	92.32	-1,936.43	4,223.45	9,706.56	9,526.74	179.82	53.980		
17,500.00	6,953.00	12,180.00	7,116.07	327.49	131.48	92.32	-1,936.43	4,223.45	9,797.87	9,618.56	179.31	54.643		
17,600.00	6,953.00	12,180.00	7,116.07	330.16	131.48	92.32	-1,936.43	4,223.45	9,889.34	9,710.53	178.81	55.308		
17,700.00	6,953.00	12,180.00	7,116.07	332.83	131.48	92.32	-1,936.43	4,223.45	9,980.97	9,802.66	178.31	55.975		
17,800.00	6,953.00	12,180.00	7,116.07	335.50	131.48	92.32	-1,936.43	4,223.45	10,072.77	9,894.94	177.83	56.643		
17,900.00	6,953.00	12,180.00	7,116.07	338.17	131.48	92.32	-1,936.43	4,223.45	10,164.72	9,987.37	177.35	57.314		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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		
0.00	0.00	2.00	2.00	0.00	0.00	-93.15	-1.09	-19.79	19.82					
100.00	100.00	102.05	102.05	0.27	0.16	-93.10	-1.07	-19.66	19.69	19.26	0.43	46.095		
108.63	108.63	110.68	110.68	0.30	0.17	-156.55	-1.06	-19.64	19.68	19.21	0.47	41.753 CC, ES		
200.00	199.98	202.09	202.09	0.63	0.31	-158.31	-1.00	-19.29	20.92	19.98	0.94	22.293		
300.00	299.84	302.01	302.00	0.99	0.65	-162.35	-0.81	-18.72	25.27	23.64	1.63	15.476		
400.00	399.45	401.62	401.62	1.36	1.00	-166.51	-0.50	-18.18	33.09	30.73	2.36	14.039 SF		
500.00	498.70	500.83	500.82	1.76	1.35	-169.68	-0.09	-17.89	44.63	41.55	3.08	14.494		
600.00	597.47	599.31	599.30	2.18	1.70	-171.85	0.37	-18.03	60.07	56.28	3.79	15.829		
700.00	695.62	696.77	696.76	2.63	2.03	-173.30	0.70	-18.88	79.69	75.19	4.51	17.690		
800.00	793.06	793.62	793.60	3.11	2.36	-174.19	1.13	-20.35	103.30	98.08	5.22	19.802		
900.00	889.64	889.40	889.36	3.64	2.70	-174.77	1.71	-22.05	130.46	124.53	5.93	21.995		
1,000.00	985.27	981.33	981.25	4.22	3.02	-175.46	1.19	-24.57	162.22	155.59	6.63	24.461		
1,100.00	1,079.82	1,071.15	1,070.94	4.84	3.33	-176.83	-2.41	-27.49	198.99	191.67	7.32	27.187		
1,200.00	1,173.17	1,158.00	1,157.45	5.52	3.63	-178.64	-9.50	-30.46	240.80	232.81	7.99	30.130		
1,300.00	1,265.21	1,244.94	1,243.88	6.26	3.94	-179.72	-18.27	-33.77	287.00	278.33	8.68	33.075		
1,400.00	1,355.84	1,328.43	1,326.77	7.06	4.25	-178.35	-27.74	-36.96	336.93	327.58	9.35	36.029		
1,500.00	1,444.94	1,404.75	1,402.23	7.92	4.54	-177.00	-38.76	-39.76	391.16	381.17	9.99	39.165		
1,600.00	1,532.39	1,476.66	1,472.98	8.84	4.83	-175.72	-51.20	-43.04	450.20	439.60	10.60	42.464		
1,700.00	1,618.11	1,546.55	1,541.42	9.83	5.11	-174.52	-64.88	-46.72	513.53	502.32	11.21	45.799		
1,800.00	1,701.97	1,621.31	1,614.62	10.89	5.43	-173.53	-79.35	-51.29	580.07	568.19	11.88	48.814		
1,900.00	1,783.88	1,687.87	1,679.92	12.02	5.72	-172.88	-91.35	-55.99	649.27	636.77	12.49	51.963		
1,991.28	1,856.86	1,735.98	1,726.91	13.11	5.94	-172.34	-100.92	-59.82	715.72	702.78	12.95	55.285		
2,000.00	1,863.75	1,740.38	1,731.20	13.21	5.96	-172.31	-101.86	-60.20	722.23	709.24	12.99	55.590		
2,100.00	1,942.74	1,787.44	1,776.83	14.45	6.18	-171.98	-112.56	-64.38	797.73	784.30	13.43	59.404		
2,200.00	2,021.72	1,830.22	1,817.95	15.69	6.39	-171.63	-123.54	-68.62	874.86	861.03	13.83	63.266		
2,300.00	2,100.71	1,872.53	1,858.25	16.95	6.61	-171.24	-135.59	-73.20	953.50	939.27	14.23	67.008		
2,400.00	2,179.70	1,916.74	1,899.98	18.21	6.85	-170.79	-149.35	-78.06	1,033.26	1,018.59	14.66	70.462		
2,500.00	2,258.69	1,953.00	1,933.91	19.47	7.05	-170.39	-161.51	-82.05	1,114.00	1,098.99	15.01	74.199		
2,600.00	2,337.68	2,008.72	1,985.63	20.74	7.38	-169.75	-181.34	-88.06	1,195.36	1,179.75	15.61	76.598		
2,700.00	2,416.66	2,048.00	2,021.86	22.02	7.61	-169.30	-195.95	-92.18	1,277.27	1,261.25	16.01	79.770		
2,800.00	2,495.65	2,101.17	2,070.61	23.29	7.95	-168.71	-216.44	-97.71	1,359.62	1,343.02	16.60	81.899		
2,900.00	2,574.64	2,145.54	2,111.05	24.57	8.24	-168.23	-234.08	-102.38	1,442.50	1,425.41	17.09	84.408		
3,000.00	2,653.63	2,201.63	2,162.07	25.85	8.61	-167.67	-256.60	-108.33	1,525.63	1,507.89	17.73	86.025		
3,100.00	2,732.62	2,263.23	2,218.18	27.14	9.03	-167.13	-281.19	-114.89	1,608.72	1,590.26	18.45	87.178		
3,200.00	2,811.61	2,337.03	2,285.56	28.42	9.54	-166.56	-310.40	-122.17	1,691.36	1,672.04	19.33	87.503		
3,300.00	2,890.59	2,393.61	2,337.28	29.71	9.93	-166.16	-332.71	-127.46	1,773.74	1,753.74	20.00	88.670		
3,400.00	2,969.58	2,453.72	2,392.23	31.00	10.35	-165.77	-356.44	-132.99	1,856.10	1,835.37	20.73	89.549		
3,500.00	3,048.57	2,519.13	2,452.03	32.29	10.81	-165.36	-382.34	-138.64	1,938.26	1,916.74	21.52	90.053		
3,600.00	3,127.56	2,564.84	2,493.88	33.58	11.13	-165.12	-400.23	-142.75	2,020.44	1,998.37	22.07	91.527		
3,700.00	3,206.55	2,607.58	2,533.20	34.87	11.43	-164.96	-416.32	-147.49	2,103.01	2,080.42	22.59	93.105		
3,800.00	3,285.53	2,693.01	2,612.20	36.16	12.03	-164.74	-447.10	-157.96	2,185.56	2,161.95	23.61	92.576		
3,900.00	3,364.52	2,753.65	2,668.58	37.45	12.44	-164.62	-468.23	-165.10	2,267.38	2,243.05	24.32	93.214		
4,000.00	3,443.51	2,800.18	2,711.96	38.74	12.76	-164.57	-483.89	-171.26	2,349.42	2,324.55	24.87	94.470		
4,100.00	3,522.50	2,838.92	2,748.10	40.04	13.03	-164.55	-496.68	-176.85	2,431.79	2,406.47	25.32	96.039		
4,200.00	3,601.49	2,874.34	2,781.05	41.33	13.27	-164.53	-508.53	-182.19	2,514.62	2,488.89	25.73	97.720		
4,300.00	3,680.47	2,908.00	2,812.27	42.63	13.50	-164.51	-519.97	-187.47	2,597.92	2,571.79	26.13	99.440		
4,400.00	3,759.46	2,945.33	2,846.77	43.92	13.77	-164.49	-532.92	-193.44	2,681.63	2,655.06	26.57	100.938		
4,500.00	3,838.45	2,980.93	2,879.54	45.22	14.03	-164.46	-545.59	-199.17	2,765.71	2,738.72	26.99	102.471		
4,600.00	3,917.44	3,058.39	2,950.68	46.51	14.59	-164.38	-573.62	-211.52	2,850.01	2,822.10	27.92	102.086		
4,700.00	3,996.43	3,217.87	3,098.96	47.81	15.71	-164.29	-627.69	-234.34	2,932.33	2,902.54	29.79	98.422		
4,800.00	4,075.42	3,258.16	3,136.59	49.10	15.99	-164.27	-640.97	-239.83	3,014.31	2,984.03	30.28	99.564		
4,900.00	4,154.40	3,290.00	3,166.27	50.40	16.21	-164.25	-651.63	-244.25	3,096.62	3,065.96	30.66	100.997		

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-20-01
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-20-01	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	4,233.39	3,320.71	3,194.80	51.70	16.43	164.24	-662.11	-248.64	3,179.39	3,148.36	31.04	102.441		
5,100.00	4,312.38	3,345.55	3,217.79	52.99	16.61	164.22	-670.77	-252.37	3,262.71	3,231.37	31.34	104.095		
5,200.00	4,391.37	3,386.00	3,255.02	54.29	16.90	164.19	-685.22	-258.76	3,346.63	3,314.79	31.84	105.121		
5,300.00	4,470.36	3,407.23	3,274.50	55.59	17.06	164.18	-692.93	-262.19	3,430.82	3,398.72	32.10	106.865		
5,400.00	4,549.34	3,653.24	3,502.01	56.89	18.85	163.95	-780.29	-295.38	3,513.89	3,478.85	35.04	100.280		
5,500.00	4,628.33	3,672.00	3,519.41	58.18	18.98	163.92	-787.05	-297.14	3,595.36	3,560.07	35.30	101.865		
5,600.00	4,707.32	3,714.97	3,559.10	59.48	19.30	163.84	-803.02	-301.19	3,677.11	3,641.26	35.85	102.568		
5,700.00	4,786.31	3,738.06	3,580.29	60.78	19.47	163.80	-811.88	-303.49	3,759.51	3,723.34	36.16	103.959		
5,800.00	4,865.30	3,768.00	3,607.64	62.08	19.69	163.74	-823.66	-306.61	3,842.42	3,805.86	36.56	105.096		
5,900.00	4,944.28	3,798.14	3,635.08	63.38	19.92	163.67	-835.70	-309.85	3,925.71	3,888.75	36.97	106.199		
6,000.00	5,023.27	3,843.41	3,676.28	64.68	20.27	163.58	-853.82	-314.79	4,009.18	3,971.62	37.56	106.739		
6,100.00	5,102.26	3,914.43	3,740.87	65.97	20.82	163.44	-882.31	-322.52	4,092.69	4,054.21	38.48	106.357		
6,200.00	5,181.25	4,135.26	3,943.76	67.27	22.47	163.09	-966.76	-343.76	4,174.89	4,133.66	41.23	101.268		
6,300.00	5,260.24	11,014.05	7,252.27	68.57	97.42	126.96	-2,278.45	2,928.12	4,226.87	4,086.18	140.70	30.043		
6,400.00	5,339.23	11,046.00	7,251.90	69.87	98.23	126.60	-2,278.57	2,960.07	4,214.54	4,070.73	143.81	29.307		
6,500.00	5,418.21	11,143.77	7,251.57	71.17	100.72	125.48	-2,278.26	3,057.83	4,203.82	4,055.25	148.57	28.295		
6,600.00	5,497.20	11,235.59	7,251.74	72.47	103.05	124.43	-2,276.62	3,149.64	4,194.06	4,040.88	153.18	27.380		
6,700.00	5,576.19	11,275.67	7,251.85	73.77	104.07	123.98	-2,275.78	3,189.72	4,185.79	4,029.30	156.49	26.748		
6,800.00	5,655.18	11,316.39	7,252.27	75.07	105.11	123.51	-2,274.96	3,230.42	4,179.36	4,019.57	159.79	26.156		
6,900.00	5,734.17	11,388.25	7,253.41	76.37	106.94	122.70	-2,273.42	3,302.25	4,174.63	4,010.76	163.87	25.476		
7,000.00	5,813.15	11,464.09	7,254.41	77.67	108.88	121.84	-2,271.41	3,378.07	4,171.17	4,003.12	168.04	24.822		
7,100.00	5,892.14	11,533.65	7,255.52	78.97	110.66	121.06	-2,269.28	3,447.58	4,169.18	3,997.14	172.03	24.235		
7,200.00	5,971.13	11,634.19	7,256.58	80.27	113.23	119.92	-2,265.63	3,548.05	4,168.40	3,991.57	176.82	23.574		
7,204.72	5,974.86	11,638.87	7,256.60	80.33	113.35	119.86	-2,265.44	3,552.73	4,168.39	3,991.34	177.05	23.544		
7,300.00	6,050.12	11,662.55	7,256.71	81.57	113.95	119.59	-2,264.67	3,576.39	4,169.22	3,989.54	179.68	23.203		
7,400.00	6,129.11	11,714.00	7,256.80	82.86	115.27	119.01	-2,263.19	3,627.82	4,171.96	3,988.84	183.12	22.783		
7,500.00	6,208.09	11,773.62	7,256.56	84.16	116.81	118.33	-2,261.56	3,687.41	4,176.38	3,989.64	186.74	22.365		
7,600.00	6,287.08	11,865.81	7,255.55	85.46	119.18	117.27	-2,258.49	3,779.55	4,182.03	3,990.81	191.22	21.870		
7,700.00	6,366.07	11,931.60	7,255.01	86.76	120.87	116.52	-2,255.80	3,845.29	4,188.96	3,994.03	194.93	21.490		
7,800.00	6,445.06	11,980.02	7,255.06	88.06	122.12	115.97	-2,253.76	3,893.66	4,197.58	3,999.47	198.10	21.189		
7,900.00	6,524.05	12,023.32	7,255.38	89.36	123.24	115.48	-2,251.98	3,936.92	4,207.92	4,006.84	201.08	20.927		
8,000.00	6,603.03	12,061.95	7,255.51	90.66	124.24	115.04	-2,250.57	3,975.52	4,220.08	4,016.22	203.86	20.701		
8,100.00	6,682.02	12,105.14	7,255.44	91.96	125.35	114.55	-2,249.21	4,018.70	4,234.05	4,027.35	206.70	20.484		
8,133.44	6,708.44	12,131.29	7,255.29	92.40	126.03	114.26	-2,248.40	4,044.83	4,239.08	4,031.11	207.97	20.383		
8,150.00	6,721.39	12,144.46	7,255.19	92.62	126.37	112.76	-2,247.98	4,057.99	4,241.59	4,032.98	208.61	20.332		
8,200.00	6,758.90	12,187.29	7,254.75	93.34	127.48	108.73	-2,246.54	4,100.79	4,248.91	4,038.25	210.66	20.169		
8,250.00	6,793.76	12,221.75	7,254.32	94.13	128.38	105.47	-2,245.33	4,135.23	4,255.78	4,043.25	212.53	20.025		
8,300.00	6,825.72	12,258.52	7,253.86	95.00	129.33	102.72	-2,244.04	4,171.98	4,262.13	4,047.62	214.50	19.870		
8,350.00	6,854.52	12,295.00	7,253.40	95.93	130.28	100.44	-2,242.76	4,208.43	4,267.82	4,051.30	216.52	19.711		
8,400.00	6,879.97	12,295.00	7,253.40	96.92	130.28	98.80	-2,242.76	4,208.43	4,272.99	4,055.50	217.50	19.646		
8,450.00	6,901.84	12,295.00	7,253.40	97.95	130.28	97.44	-2,242.76	4,208.43	4,277.76	4,059.27	218.48	19.579		
8,500.00	6,920.00	12,295.00	7,253.40	99.02	130.28	96.33	-2,242.76	4,208.43	4,282.07	4,062.61	219.46	19.511		
8,550.00	6,934.28	12,295.00	7,253.40	100.12	130.28	95.44	-2,242.76	4,208.43	4,285.92	4,065.49	220.43	19.443		
8,600.00	6,944.59	12,295.00	7,253.40	101.22	130.28	94.76	-2,242.76	4,208.43	4,289.26	4,067.88	221.38	19.375		
8,650.00	6,950.84	12,295.00	7,253.40	102.33	130.28	94.28	-2,242.76	4,208.43	4,292.08	4,069.79	222.29	19.309		
8,701.16	6,953.00	12,295.00	7,253.40	103.44	130.28	93.99	-2,242.76	4,208.43	4,294.39	4,071.22	223.17	19.243		
8,800.00	6,953.00	12,295.00	7,253.40	105.59	130.28	93.99	-2,242.76	4,208.43	4,299.43	4,074.65	224.78	19.127		
8,900.00	6,953.00	12,295.00	7,253.40	107.79	130.28	93.99	-2,242.76	4,208.43	4,306.84	4,080.52	226.31	19.031		
9,000.00	6,953.00	12,295.00	7,253.40	110.02	130.28	93.99	-2,242.76	4,208.43	4,316.54	4,088.80	227.74	18.954		
9,100.00	6,953.00	12,295.00	7,253.40	112.26	130.28	93.99	-2,242.76	4,208.43	4,328.54	4,099.46	229.08	18.896		
9,200.00	6,953.00	12,295.00	7,253.40	114.52	130.28	93.99	-2,242.76	4,208.43	4,342.81	4,112.50	230.30	18.857		
9,300.00	6,953.00	12,295.00	7,253.40	116.80	130.28	93.99	-2,242.76	4,208.43	4,359.32	4,127.89	231.43	18.836		

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-20-01
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-20-01	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		
9,400.00	6,953.00	12,295.00	7,253.40	119.10	130.28	93.99	-2,242.76	4,208.43	4,378.06	4,145.60	232.46	18.834		
9,500.00	6,953.00	12,295.00	7,253.40	121.42	130.28	93.99	-2,242.76	4,208.43	4,398.99	4,165.61	233.38	18.849		
9,600.00	6,953.00	12,295.00	7,253.40	123.75	130.28	93.99	-2,242.76	4,208.43	4,422.08	4,187.88	234.20	18.882		
9,700.00	6,953.00	12,295.00	7,253.40	126.10	130.28	93.99	-2,242.76	4,208.43	4,447.30	4,212.38	234.92	18.931		
9,800.00	6,953.00	12,295.00	7,253.40	128.46	130.28	93.99	-2,242.76	4,208.43	4,474.62	4,239.08	235.54	18.997		
9,900.00	6,953.00	12,295.00	7,253.40	130.84	130.28	93.99	-2,242.76	4,208.43	4,503.99	4,267.92	236.07	19.079		
10,000.00	6,953.00	12,295.00	7,253.40	133.23	130.28	93.99	-2,242.76	4,208.43	4,535.38	4,298.87	236.50	19.177		
10,100.00	6,953.00	12,295.00	7,253.40	135.63	130.28	93.99	-2,242.76	4,208.43	4,568.74	4,331.89	236.85	19.290		
10,200.00	6,953.00	12,295.00	7,253.40	138.04	130.28	93.99	-2,242.76	4,208.43	4,604.03	4,366.92	237.11	19.418		
10,300.00	6,953.00	12,295.00	7,253.40	140.46	130.28	93.99	-2,242.76	4,208.43	4,641.20	4,403.92	237.28	19.560		
10,400.00	6,953.00	12,295.00	7,253.40	142.90	130.28	93.99	-2,242.76	4,208.43	4,680.22	4,442.85	237.38	19.717		
10,500.00	6,953.00	12,295.00	7,253.40	145.34	130.28	93.99	-2,242.76	4,208.43	4,721.04	4,483.64	237.39	19.887		
10,600.00	6,953.00	12,295.00	7,253.40	147.80	130.28	93.99	-2,242.76	4,208.43	4,763.60	4,526.26	237.34	20.071		
10,700.00	6,953.00	12,295.00	7,253.40	150.26	130.28	93.99	-2,242.76	4,208.43	4,807.87	4,570.65	237.22	20.268		
10,800.00	6,953.00	12,295.00	7,253.40	152.73	130.28	93.99	-2,242.76	4,208.43	4,853.79	4,616.76	237.03	20.478		
10,900.00	6,953.00	12,295.00	7,253.40	155.21	130.28	93.99	-2,242.76	4,208.43	4,901.33	4,664.55	236.78	20.700		
11,000.00	6,953.00	12,295.00	7,253.40	157.70	130.28	93.99	-2,242.76	4,208.43	4,950.43	4,713.95	236.48	20.934		
11,100.00	6,953.00	12,295.00	7,253.40	160.20	130.28	93.99	-2,242.76	4,208.43	5,001.04	4,764.92	236.12	21.180		
11,200.00	6,953.00	12,295.00	7,253.40	162.70	130.28	93.99	-2,242.76	4,208.43	5,053.13	4,817.42	235.71	21.438		
11,300.00	6,953.00	12,295.00	7,253.40	165.21	130.28	93.99	-2,242.76	4,208.43	5,106.65	4,871.39	235.26	21.706		
11,400.00	6,953.00	12,295.00	7,253.40	167.73	130.28	93.99	-2,242.76	4,208.43	5,161.55	4,926.78	234.77	21.986		
11,500.00	6,953.00	12,295.00	7,253.40	170.25	130.28	93.99	-2,242.76	4,208.43	5,217.79	4,983.55	234.23	22.276		
11,600.00	6,953.00	12,295.00	7,253.40	172.78	130.28	93.99	-2,242.76	4,208.43	5,275.32	5,041.65	233.67	22.576		
11,700.00	6,953.00	12,295.00	7,253.40	175.31	130.28	93.99	-2,242.76	4,208.43	5,334.11	5,101.04	233.07	22.887		
11,800.00	6,953.00	12,295.00	7,253.40	177.85	130.28	93.99	-2,242.76	4,208.43	5,394.11	5,161.67	232.44	23.207		
11,900.00	6,953.00	12,295.00	7,253.40	180.40	130.28	93.99	-2,242.76	4,208.43	5,455.28	5,223.50	231.78	23.536		
12,000.00	6,953.00	12,295.00	7,253.40	182.95	130.28	93.99	-2,242.76	4,208.43	5,517.59	5,286.49	231.10	23.875		
12,100.00	6,953.00	12,295.00	7,253.40	185.50	130.28	93.99	-2,242.76	4,208.43	5,581.00	5,350.60	230.40	24.223		
12,200.00	6,953.00	12,295.00	7,253.40	188.06	130.28	93.99	-2,242.76	4,208.43	5,645.46	5,415.78	229.68	24.580		
12,300.00	6,953.00	12,295.00	7,253.40	190.63	130.28	93.99	-2,242.76	4,208.43	5,710.95	5,482.01	228.95	24.945		
12,400.00	6,953.00	12,295.00	7,253.40	193.20	130.28	93.99	-2,242.76	4,208.43	5,777.43	5,549.23	228.20	25.318		
12,500.00	6,953.00	12,295.00	7,253.40	195.77	130.28	93.99	-2,242.76	4,208.43	5,844.86	5,617.43	227.43	25.699		
12,600.00	6,953.00	12,295.00	7,253.40	198.35	130.28	93.99	-2,242.76	4,208.43	5,913.21	5,686.55	226.66	26.088		
12,700.00	6,953.00	12,295.00	7,253.40	200.93	130.28	93.99	-2,242.76	4,208.43	5,982.46	5,756.58	225.88	26.485		
12,800.00	6,953.00	12,295.00	7,253.40	203.51	130.28	93.99	-2,242.76	4,208.43	6,052.56	5,827.47	225.10	26.889		
12,900.00	6,953.00	12,295.00	7,253.40	206.10	130.28	93.99	-2,242.76	4,208.43	6,123.50	5,899.19	224.30	27.300		
13,000.00	6,953.00	12,295.00	7,253.40	208.69	130.28	93.99	-2,242.76	4,208.43	6,195.23	5,971.73	223.51	27.718		
13,100.00	6,953.00	12,295.00	7,253.40	211.29	130.28	93.99	-2,242.76	4,208.43	6,267.75	6,045.04	222.71	28.143		
13,200.00	6,953.00	12,295.00	7,253.40	213.88	130.28	93.99	-2,242.76	4,208.43	6,341.01	6,119.10	221.91	28.575		
13,300.00	6,953.00	12,295.00	7,253.40	216.48	130.28	93.99	-2,242.76	4,208.43	6,414.99	6,193.88	221.11	29.013		
13,400.00	6,953.00	12,295.00	7,253.40	219.09	130.28	93.99	-2,242.76	4,208.43	6,489.67	6,269.36	220.31	29.457		
13,500.00	6,953.00	12,295.00	7,253.40	221.69	130.28	93.99	-2,242.76	4,208.43	6,565.02	6,345.51	219.51	29.908		
13,600.00	6,953.00	12,295.00	7,253.40	224.30	130.28	93.99	-2,242.76	4,208.43	6,641.02	6,422.31	218.71	30.364		
13,700.00	6,953.00	12,295.00	7,253.40	226.92	130.28	93.99	-2,242.76	4,208.43	6,717.66	6,499.73	217.92	30.826		
13,800.00	6,953.00	12,295.00	7,253.40	229.53	130.28	93.99	-2,242.76	4,208.43	6,794.90	6,577.76	217.13	31.294		
13,900.00	6,953.00	12,295.00	7,253.40	232.15	130.28	93.99	-2,242.76	4,208.43	6,872.72	6,656.37	216.35	31.767		
14,000.00	6,953.00	12,295.00	7,253.40	234.77	130.28	93.99	-2,242.76	4,208.43	6,951.12	6,735.55	215.57	32.245		
14,100.00	6,953.00	12,295.00	7,253.40	237.39	130.28	93.99	-2,242.76	4,208.43	7,030.06	6,815.26	214.80	32.729		
14,200.00	6,953.00	12,295.00	7,253.40	240.01	130.28	93.99	-2,242.76	4,208.43	7,109.53	6,895.50	214.03	33.217		
14,300.00	6,953.00	12,295.00	7,253.40	242.64	130.28	93.99	-2,242.76	4,208.43	7,189.52	6,976.25	213.27	33.711		
14,400.00	6,953.00	12,295.00	7,253.40	245.27	130.28	93.99	-2,242.76	4,208.43	7,270.00	7,057.48	212.52	34.209		
14,500.00	6,953.00	12,295.00	7,253.40	247.90	130.28	93.99	-2,242.76	4,208.43	7,350.96	7,139.18	211.77	34.711		

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-20-01
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-20-01	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		
14,600.00	6,953.00	12,295.00	7,253.40	250.53	130.28	93.99	-2,242.76	4,208.43	7,432.38	7,221.35	211.03	35.219		
14,700.00	6,953.00	12,295.00	7,253.40	253.16	130.28	93.99	-2,242.76	4,208.43	7,514.25	7,303.95	210.30	35.730		
14,800.00	6,953.00	12,295.00	7,253.40	255.80	130.28	93.99	-2,242.76	4,208.43	7,596.56	7,386.98	209.58	36.246		
14,900.00	6,953.00	12,295.00	7,253.40	258.43	130.28	93.99	-2,242.76	4,208.43	7,679.28	7,470.42	208.87	36.766		
15,000.00	6,953.00	12,295.00	7,253.40	261.07	130.28	93.99	-2,242.76	4,208.43	7,762.42	7,554.25	208.16	37.290		
15,100.00	6,953.00	12,295.00	7,253.40	263.71	130.28	93.99	-2,242.76	4,208.43	7,845.94	7,638.48	207.47	37.818		
15,200.00	6,953.00	12,295.00	7,253.40	266.36	130.28	93.99	-2,242.76	4,208.43	7,929.85	7,723.07	206.78	38.350		
15,300.00	6,953.00	12,295.00	7,253.40	269.00	130.28	93.99	-2,242.76	4,208.43	8,014.13	7,808.03	206.10	38.885		
15,400.00	6,953.00	12,295.00	7,253.40	271.65	130.28	93.99	-2,242.76	4,208.43	8,098.76	7,893.34	205.43	39.424		
15,500.00	6,953.00	12,295.00	7,253.40	274.29	130.28	93.99	-2,242.76	4,208.43	8,183.74	7,978.98	204.77	39.967		
15,600.00	6,953.00	12,295.00	7,253.40	276.94	130.28	93.99	-2,242.76	4,208.43	8,269.06	8,064.95	204.11	40.512		
15,700.00	6,953.00	12,295.00	7,253.40	279.59	130.28	93.99	-2,242.76	4,208.43	8,354.71	8,151.24	203.47	41.062		
15,800.00	6,953.00	12,295.00	7,253.40	282.24	130.28	93.99	-2,242.76	4,208.43	8,440.66	8,237.83	202.83	41.614		
15,900.00	6,953.00	12,295.00	7,253.40	284.90	130.28	93.99	-2,242.76	4,208.43	8,526.93	8,324.72	202.21	42.169		
16,000.00	6,953.00	12,295.00	7,253.40	287.55	130.28	93.99	-2,242.76	4,208.43	8,613.49	8,411.90	201.59	42.728		
16,100.00	6,953.00	12,295.00	7,253.40	290.20	130.28	93.99	-2,242.76	4,208.43	8,700.34	8,499.36	200.98	43.289		
16,200.00	6,953.00	12,295.00	7,253.40	292.86	130.28	93.99	-2,242.76	4,208.43	8,787.47	8,587.09	200.38	43.854		
16,300.00	6,953.00	12,295.00	7,253.40	295.52	130.28	93.99	-2,242.76	4,208.43	8,874.87	8,675.08	199.79	44.421		
16,400.00	6,953.00	12,295.00	7,253.40	298.18	130.28	93.99	-2,242.76	4,208.43	8,962.54	8,763.33	199.21	44.991		
16,500.00	6,953.00	12,295.00	7,253.40	300.84	130.28	93.99	-2,242.76	4,208.43	9,050.46	8,851.82	198.63	45.563		
16,600.00	6,953.00	12,295.00	7,253.40	303.50	130.28	93.99	-2,242.76	4,208.43	9,138.63	8,940.56	198.07	46.139		
16,700.00	6,953.00	12,295.00	7,253.40	306.16	130.28	93.99	-2,242.76	4,208.43	9,227.04	9,029.52	197.51	46.716		
16,800.00	6,953.00	12,295.00	7,253.40	308.82	130.28	93.99	-2,242.76	4,208.43	9,315.68	9,118.72	196.96	47.296		
16,900.00	6,953.00	12,295.00	7,253.40	311.49	130.28	93.99	-2,242.76	4,208.43	9,404.55	9,208.13	196.42	47.879		
17,000.00	6,953.00	12,295.00	7,253.40	314.15	130.28	93.99	-2,242.76	4,208.43	9,493.65	9,297.75	195.89	48.463		
17,100.00	6,953.00	12,295.00	7,253.40	316.82	130.28	93.99	-2,242.76	4,208.43	9,582.96	9,387.59	195.37	49.050		
17,200.00	6,953.00	12,295.00	7,253.40	319.48	130.28	93.99	-2,242.76	4,208.43	9,672.47	9,477.62	194.86	49.639		
17,300.00	6,953.00	12,295.00	7,253.40	322.15	130.28	93.99	-2,242.76	4,208.43	9,762.20	9,567.85	194.35	50.231		
17,400.00	6,953.00	12,295.00	7,253.40	324.82	130.28	93.99	-2,242.76	4,208.43	9,852.11	9,658.27	193.85	50.824		
17,500.00	6,953.00	12,295.00	7,253.40	327.49	130.28	93.99	-2,242.76	4,208.43	9,942.23	9,748.87	193.36	51.419		
17,600.00	6,953.00	12,295.00	7,253.40	330.16	130.28	93.99	-2,242.76	4,208.43	10,032.53	9,839.65	192.87	52.016		
17,700.00	6,953.00	12,295.00	7,253.40	332.83	130.28	93.99	-2,242.76	4,208.43	10,123.01	9,930.61	192.40	52.615		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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		
0.00	0.00	7.79	7.79	0.00	0.01	-90.92	-5.47	-339.52	339.56					
100.00	100.00	105.12	105.12	0.27	0.15	-90.95	-5.62	-339.96	340.02	339.60	0.42	819.151		
200.00	199.98	201.31	201.28	0.63	0.44	-154.32	-4.65	-341.29	342.96	341.89	1.07	320.969		
300.00	299.84	300.65	300.43	0.99	0.81	-153.67	1.15	-343.45	349.78	347.99	1.79	195.316		
400.00	399.45	399.06	398.22	1.36	1.18	-152.47	11.85	-345.67	359.86	357.32	2.54	141.949		
500.00	498.70	495.08	493.18	1.76	1.57	-151.02	25.82	-348.24	373.67	370.36	3.30	113.157		
600.00	597.47	586.04	582.70	2.18	1.97	-149.54	41.50	-351.73	391.94	387.86	4.08	96.053		
700.00	695.62	676.95	671.55	2.63	2.40	-147.92	60.15	-356.51	415.00	410.10	4.89	84.831		
800.00	793.06	762.67	754.62	3.11	2.84	-146.31	80.42	-362.32	442.92	437.21	5.71	77.529		
900.00	889.64	850.46	839.09	3.64	3.32	-144.73	103.14	-369.75	475.68	469.10	6.58	72.302		
1,000.00	985.27	939.77	924.17	4.22	3.84	-143.08	129.11	-377.76	512.23	504.73	7.50	68.315		
1,100.00	1,079.82	1,028.70	1,008.39	4.84	4.38	-141.57	156.46	-385.92	551.98	543.53	8.46	65.277		
1,200.00	1,173.17	1,113.19	1,087.80	5.52	4.93	-140.17	184.21	-393.84	594.88	585.45	9.43	63.085		
1,300.00	1,265.21	1,198.11	1,166.87	6.26	5.49	-138.82	213.99	-402.33	641.23	630.78	10.45	61.355		
1,400.00	1,355.84	1,284.77	1,247.66	7.06	6.09	-137.70	244.13	-411.01	689.91	678.38	11.53	59.853		
1,500.00	1,444.94	1,365.76	1,323.03	7.92	6.65	-136.77	272.49	-419.57	741.35	728.77	12.59	58.897		
1,600.00	1,532.39	1,450.46	1,401.01	8.84	7.26	-135.78	304.38	-428.19	795.16	781.42	13.74	57.870		
1,700.00	1,618.11	1,533.37	1,476.60	9.83	7.88	-134.76	337.53	-436.14	851.03	836.09	14.94	56.961		
1,800.00	1,701.97	1,609.99	1,546.53	10.89	8.46	-133.89	367.88	-443.75	909.14	893.04	16.10	56.475		
1,900.00	1,783.88	1,687.84	1,618.28	12.02	9.03	-133.26	396.85	-452.35	969.63	952.34	17.29	56.073		
1,991.28	1,856.86	1,762.00	1,686.82	13.11	9.57	-132.80	424.02	-460.24	1,026.17	1,007.73	18.43	55.672		
2,000.00	1,863.75	1,773.26	1,697.21	13.21	9.66	-132.89	428.20	-461.38	1,031.61	1,013.01	18.60	55.471		
2,100.00	1,942.74	1,839.24	1,757.45	14.45	10.16	-133.29	454.23	-468.15	1,094.67	1,074.95	19.71	55.534		
2,200.00	2,021.72	1,905.55	1,817.15	15.69	10.69	-133.53	482.23	-475.22	1,158.53	1,137.68	20.85	55.562		
2,300.00	2,100.71	1,992.17	1,895.32	16.95	11.37	-133.86	518.23	-485.10	1,222.92	1,200.66	22.26	54.938		
2,400.00	2,179.70	2,095.11	1,989.00	18.21	12.17	-134.25	559.82	-494.53	1,285.24	1,261.37	23.87	53.842		
2,500.00	2,258.69	2,208.54	2,092.86	19.47	13.03	-134.69	604.45	-503.79	1,346.97	1,321.37	25.60	52.607		
2,600.00	2,337.68	2,303.16	2,179.46	20.74	13.74	-134.97	642.25	-508.62	1,406.13	1,379.02	27.11	51.867		
2,700.00	2,416.66	2,376.90	2,247.20	22.02	14.29	-135.19	671.12	-512.60	1,465.48	1,437.12	28.36	51.667		
2,800.00	2,495.65	2,445.84	2,309.55	23.29	14.82	-135.28	700.28	-516.30	1,525.31	1,495.73	29.58	51.571		
2,900.00	2,574.64	2,506.76	2,364.28	24.57	15.32	-135.32	726.81	-520.05	1,585.96	1,555.26	30.70	51.661		
3,000.00	2,653.63	2,577.16	2,427.40	25.85	15.89	-135.36	757.57	-525.06	1,647.37	1,615.42	31.95	51.557		
3,100.00	2,732.62	2,653.30	2,495.77	27.14	16.50	-135.41	790.60	-530.71	1,708.99	1,675.72	33.28	51.353		
3,200.00	2,811.61	2,732.12	2,567.50	28.42	17.11	-135.56	822.61	-537.05	1,770.68	1,736.07	34.61	51.155		
3,300.00	2,890.59	2,816.32	2,645.02	29.71	17.74	-135.80	854.72	-544.04	1,832.22	1,796.24	35.98	50.920		
3,400.00	2,969.58	2,889.64	2,712.71	31.00	18.28	-136.02	882.22	-550.22	1,893.78	1,856.59	37.19	50.916		
3,500.00	3,048.57	2,957.15	2,775.00	32.29	18.78	-136.20	907.58	-556.16	1,955.67	1,917.34	38.32	51.034		
3,600.00	3,127.56	3,032.62	2,844.91	33.58	19.33	-136.44	935.08	-563.38	2,018.01	1,978.46	39.55	51.027		
3,700.00	3,206.55	3,123.12	2,928.36	34.87	20.00	-136.65	969.18	-571.30	2,079.88	2,038.89	40.99	50.742		
3,800.00	3,285.53	3,195.00	2,994.83	36.16	20.53	-136.83	995.74	-577.83	2,141.94	2,099.77	42.17	50.791		
3,900.00	3,364.52	3,265.38	3,059.94	37.45	21.04	-137.01	1,021.62	-584.47	2,204.27	2,160.94	43.33	50.872		
4,000.00	3,443.51	3,339.16	3,128.05	38.74	21.58	-137.17	1,049.11	-591.43	2,266.67	2,222.14	44.53	50.902		
4,100.00	3,522.50	3,419.94	3,203.24	40.04	22.16	-137.39	1,077.51	-599.46	2,329.24	2,283.43	45.81	50.846		
4,200.00	3,601.49	3,504.37	3,281.56	41.33	22.77	-137.58	1,108.06	-607.29	2,391.42	2,344.27	47.15	50.746		
4,300.00	3,680.47	3,583.44	3,336.11	42.63	23.21	-137.69	1,130.01	-612.94	2,453.96	2,405.81	48.14	50.971		
4,400.00	3,759.46	3,638.76	3,405.35	43.92	23.78	-137.81	1,158.69	-620.43	2,516.90	2,467.51	49.39	50.962		
4,500.00	3,838.45	3,707.74	3,468.42	45.22	24.30	-137.88	1,185.80	-627.17	2,579.88	2,529.33	50.55	51.034		
4,600.00	3,917.44	3,788.00	3,523.48	46.51	24.77	-137.94	1,209.48	-633.43	2,643.33	2,591.74	51.59	51.239		
4,700.00	3,996.43	3,850.76	3,598.41	47.81	25.43	-137.98	1,243.54	-641.98	2,706.94	2,653.95	53.00	51.077		
4,800.00	4,075.42	3,917.33	3,657.96	49.10	25.99	-137.96	1,272.57	-648.62	2,770.59	2,716.40	54.18	51.132		
4,900.00	4,154.40	3,977.36	3,711.64	50.40	26.48	-137.94	1,298.67	-654.91	2,834.62	2,779.35	55.27	51.289		
5,000.00	4,233.39	4,031.08	3,759.83	51.70	26.93	-137.94	1,321.61	-661.01	2,899.21	2,842.97	56.24	51.553		

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-20-01
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-20-01	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	4,312.38	4,166.77	3,883.04	52.99	28.01	-138.03	1,376.25	-676.57	2,963.81	2,905.36	58.45	50.703		
5,200.00	4,391.37	4,282.11	3,989.95	54.29	28.84	-138.22	1,417.92	-688.15	3,026.63	2,966.40	60.23	50.250		
5,300.00	4,470.36	10,599.43	7,141.98	55.59	89.39	-128.66	2,710.09	2,337.65	3,073.67	3,000.77	72.91	42.160		
5,400.00	4,549.34	10,640.00	7,142.35	56.89	90.38	-128.30	2,710.12	2,378.21	2,992.03	2,917.24	74.78	40.011		
5,500.00	4,628.33	10,673.80	7,142.83	58.18	91.22	-127.98	2,710.27	2,412.01	2,910.80	2,834.08	76.72	37.941		
5,600.00	4,707.32	10,710.81	7,143.53	59.48	92.14	-127.63	2,710.62	2,449.01	2,830.06	2,751.32	78.73	35.944		
5,700.00	4,786.31	10,755.29	7,144.57	60.78	93.24	-127.19	2,711.26	2,493.48	2,749.78	2,668.96	80.82	34.022		
5,800.00	4,865.30	10,813.82	7,146.00	62.08	94.70	-126.57	2,712.14	2,551.98	2,669.69	2,586.72	82.97	32.177		
5,900.00	4,944.28	10,863.43	7,147.26	63.38	95.94	-126.03	2,712.86	2,601.57	2,589.75	2,504.55	85.20	30.397		
6,000.00	5,023.27	10,909.53	7,148.61	64.68	97.09	-125.49	2,713.61	2,647.64	2,510.19	2,422.67	87.51	28.683		
6,100.00	5,102.26	10,989.44	7,150.88	65.97	99.10	-124.51	2,714.96	2,727.51	2,430.79	2,340.97	89.82	27.064		
6,200.00	5,181.25	11,067.11	7,152.10	67.27	101.06	-123.46	2,716.12	2,805.16	2,350.82	2,258.62	92.20	25.497		
6,300.00	5,260.24	11,135.89	7,152.58	68.57	102.80	-122.44	2,717.31	2,873.93	2,270.72	2,176.01	94.71	23.976		
6,400.00	5,339.23	11,209.45	7,152.37	69.87	104.66	-121.23	2,718.69	2,947.47	2,190.44	2,093.14	97.30	22.511		
6,500.00	5,418.21	11,245.81	7,152.21	71.17	105.58	-120.59	2,719.45	2,983.83	2,110.39	2,010.17	100.22	21.057		
6,600.00	5,497.20	11,281.36	7,152.39	72.47	106.49	-119.95	2,720.31	3,019.36	2,031.16	1,927.84	103.31	19.660		
6,700.00	5,576.19	11,324.51	7,153.04	73.77	107.59	-119.13	2,721.49	3,062.49	1,952.76	1,846.24	106.52	18.332		
6,800.00	5,655.18	11,385.22	7,153.89	75.07	109.14	-117.91	2,723.31	3,123.17	1,874.77	1,764.98	109.78	17.077		
6,900.00	5,734.17	11,434.01	7,154.47	76.37	110.39	-116.85	2,724.91	3,171.93	1,797.18	1,683.82	113.35	15.855		
7,000.00	5,813.15	11,478.30	7,155.23	77.67	111.52	-115.83	2,726.56	3,216.19	1,720.42	1,603.22	117.19	14.680		
7,100.00	5,892.14	11,536.49	7,156.45	78.97	113.02	-114.41	2,728.96	3,274.31	1,644.48	1,523.34	121.14	13.575		
7,200.00	5,971.13	11,602.86	7,157.37	80.27	114.72	-112.64	2,731.67	3,340.62	1,568.79	1,443.53	125.26	12.524		
7,300.00	6,050.12	11,653.55	7,157.99	81.57	116.03	-111.18	2,733.80	3,391.26	1,493.79	1,363.91	129.88	11.501		
7,400.00	6,129.11	11,706.25	7,158.78	82.86	117.39	-109.56	2,736.19	3,443.89	1,419.82	1,285.00	134.82	10.531		
7,500.00	6,208.09	11,762.53	7,159.50	84.16	118.84	-107.69	2,738.98	3,500.11	1,346.86	1,206.77	140.10	9.614		
7,600.00	6,287.08	11,817.51	7,160.03	85.46	120.26	-105.71	2,741.94	3,555.01	1,275.08	1,129.24	145.84	8.743		
7,700.00	6,366.07	11,871.92	7,160.57	86.76	121.67	-103.60	2,745.01	3,609.32	1,204.75	1,052.69	152.05	7.923		
7,800.00	6,445.06	11,931.57	7,161.13	88.06	123.21	-101.11	2,748.43	3,668.87	1,136.01	977.35	158.66	7.160		
7,900.00	6,524.05	11,991.74	7,161.55	89.36	124.78	-98.40	2,751.77	3,728.95	1,068.99	903.24	165.75	6.449		
8,000.00	6,603.03	12,051.39	7,161.80	90.66	126.32	-95.50	2,754.98	3,788.51	1,004.08	830.71	173.37	5.792		
8,100.00	6,682.02	12,109.16	7,161.90	91.96	127.82	-92.49	2,758.01	3,846.20	941.79	760.25	181.54	5.188		
8,133.44	6,708.44	12,128.18	7,161.92	92.40	128.32	-91.45	2,759.00	3,865.20	921.66	737.28	184.38	4.999		
8,150.00	6,721.39	12,137.79	7,161.92	92.62	128.57	-93.02	2,759.51	3,874.79	911.94	726.14	185.80	4.908		
8,200.00	6,758.90	12,169.09	7,161.92	93.34	129.38	-96.94	2,761.14	3,906.05	884.55	694.41	190.14	4.652		
8,250.00	6,793.76	12,203.67	7,161.90	94.13	130.28	-99.83	2,762.95	3,940.58	860.16	665.66	194.50	4.422		
8,300.00	6,825.72	12,235.00	7,161.86	95.00	131.10	-102.18	2,764.59	3,971.87	838.88	639.83	199.04	4.215		
8,350.00	6,854.52	12,235.00	7,161.86	95.93	131.10	-105.04	2,764.59	3,971.87	821.95	617.52	204.43	4.021		
8,400.00	6,879.97	12,235.00	7,161.86	96.92	131.10	-107.10	2,764.59	3,971.87	810.39	601.08	209.31	3.872		
8,450.00	6,901.84	12,235.00	7,161.86	97.95	131.10	-108.45	2,764.59	3,971.87	804.51	591.04	213.46	3.769		
8,475.23	6,911.48	12,235.00	7,161.86	98.49	131.10	-108.88	2,764.59	3,971.87	803.76	588.52	215.23	3.734		
8,500.00	6,920.00	12,235.00	7,161.86	99.02	131.10	-109.14	2,764.59	3,971.87	804.48	587.75	216.73	3.712		
8,550.00	6,934.28	12,235.00	7,161.86	100.12	131.10	-109.20	2,764.59	3,971.87	810.31	591.30	219.00	3.700 SF		
8,600.00	6,944.59	12,235.00	7,161.86	101.22	131.10	-108.63	2,764.59	3,971.87	821.82	601.54	220.28	3.731		
8,650.00	6,950.84	12,235.00	7,161.86	102.33	131.10	-107.41	2,764.59	3,971.87	838.70	618.08	220.62	3.802		
8,701.16	6,953.00	12,235.00	7,161.86	103.44	131.10	-105.46	2,764.59	3,971.87	861.07	640.95	220.12	3.912		
8,800.00	6,953.00	12,235.00	7,161.86	105.59	131.10	-105.46	2,764.59	3,971.87	913.02	695.32	217.70	4.194		
8,900.00	6,953.00	12,235.00	7,161.86	107.79	131.10	-105.46	2,764.59	3,971.87	973.00	758.87	214.13	4.544		
9,000.00	6,953.00	12,235.00	7,161.86	110.02	131.10	-105.46	2,764.59	3,971.87	1,039.17	829.22	209.95	4.950		
9,100.00	6,953.00	12,235.00	7,161.86	112.26	131.10	-105.46	2,764.59	3,971.87	1,110.40	904.89	205.52	5.403		
9,200.00	6,953.00	12,235.00	7,161.86	114.52	131.10	-105.46	2,764.59	3,971.87	1,185.80	984.74	201.07	5.898		
9,300.00	6,953.00	12,235.00	7,161.86	116.80	131.10	-105.46	2,764.59	3,971.87	1,264.62	1,067.87	196.75	6.428		
9,400.00	6,953.00	12,235.00	7,161.86	119.10	131.10	-105.46	2,764.59	3,971.87	1,346.25	1,153.61	192.64	6.988		

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-20-01
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-20-01	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		
9,500.00	6,953.00	12,235.00	7,161.86	121.42	131.10	-105.46	2,764.59	3,971.87	1,430.22	1,241.42	188.79	7.576		
9,600.00	6,953.00	12,235.00	7,161.86	123.75	131.10	-105.46	2,764.59	3,971.87	1,516.13	1,330.92	185.21	8.186		
9,700.00	6,953.00	12,235.00	7,161.86	126.10	131.10	-105.46	2,764.59	3,971.87	1,603.68	1,421.78	181.90	8.816		
9,800.00	6,953.00	12,235.00	7,161.86	128.46	131.10	-105.46	2,764.59	3,971.87	1,692.61	1,513.76	178.84	9.464		
9,900.00	6,953.00	12,235.00	7,161.86	130.84	131.10	-105.46	2,764.59	3,971.87	1,782.71	1,606.68	176.03	10.127		
10,000.00	6,953.00	12,235.00	7,161.86	133.23	131.10	-105.46	2,764.59	3,971.87	1,873.81	1,700.38	173.44	10.804		
10,100.00	6,953.00	12,235.00	7,161.86	135.63	131.10	-105.46	2,764.59	3,971.87	1,965.78	1,794.74	171.05	11.493		
10,200.00	6,953.00	12,235.00	7,161.86	138.04	131.10	-105.46	2,764.59	3,971.87	2,058.50	1,889.66	168.85	12.192		
10,300.00	6,953.00	12,235.00	7,161.86	140.46	131.10	-105.46	2,764.59	3,971.87	2,151.88	1,985.06	166.81	12.900		
10,400.00	6,953.00	12,235.00	7,161.86	142.90	131.10	-105.46	2,764.59	3,971.87	2,245.82	2,080.88	164.94	13.616		
10,500.00	6,953.00	12,235.00	7,161.86	145.34	131.10	-105.46	2,764.59	3,971.87	2,340.26	2,177.07	163.20	14.340		
10,600.00	6,953.00	12,235.00	7,161.86	147.80	131.10	-105.46	2,764.59	3,971.87	2,435.15	2,273.57	161.58	15.070		
10,700.00	6,953.00	12,235.00	7,161.86	150.26	131.10	-105.46	2,764.59	3,971.87	2,530.43	2,370.35	160.09	15.807		
10,800.00	6,953.00	12,235.00	7,161.86	152.73	131.10	-105.46	2,764.59	3,971.87	2,626.07	2,467.37	158.70	16.548		
10,900.00	6,953.00	12,235.00	7,161.86	155.21	131.10	-105.46	2,764.59	3,971.87	2,722.01	2,564.62	157.40	17.294		
11,000.00	6,953.00	12,235.00	7,161.86	157.70	131.10	-105.46	2,764.59	3,971.87	2,818.24	2,662.06	156.19	18.044		
11,100.00	6,953.00	12,235.00	7,161.86	160.20	131.10	-105.46	2,764.59	3,971.87	2,914.73	2,759.67	155.06	18.798		
11,200.00	6,953.00	12,235.00	7,161.86	162.70	131.10	-105.46	2,764.59	3,971.87	3,011.44	2,857.44	154.00	19.555		
11,300.00	6,953.00	12,235.00	7,161.86	165.21	131.10	-105.46	2,764.59	3,971.87	3,108.36	2,955.35	153.00	20.316		
11,400.00	6,953.00	12,235.00	7,161.86	167.73	131.10	-105.46	2,764.59	3,971.87	3,205.47	3,053.39	152.07	21.079		
11,500.00	6,953.00	12,235.00	7,161.86	170.25	131.10	-105.46	2,764.59	3,971.87	3,302.75	3,151.55	151.20	21.844		
11,600.00	6,953.00	12,235.00	7,161.86	172.78	131.10	-105.46	2,764.59	3,971.87	3,400.19	3,249.82	150.37	22.612		
11,700.00	6,953.00	12,235.00	7,161.86	175.31	131.10	-105.46	2,764.59	3,971.87	3,497.77	3,348.18	149.59	23.382		
11,800.00	6,953.00	12,235.00	7,161.86	177.85	131.10	-105.46	2,764.59	3,971.87	3,595.49	3,446.63	148.86	24.153		
11,900.00	6,953.00	12,235.00	7,161.86	180.40	131.10	-105.46	2,764.59	3,971.87	3,693.33	3,545.16	148.17	24.927		
12,000.00	6,953.00	12,235.00	7,161.86	182.95	131.10	-105.46	2,764.59	3,971.87	3,791.28	3,643.77	147.51	25.701		
12,100.00	6,953.00	12,235.00	7,161.86	185.50	131.10	-105.46	2,764.59	3,971.87	3,889.34	3,742.44	146.89	26.478		
12,200.00	6,953.00	12,235.00	7,161.86	188.06	131.10	-105.46	2,764.59	3,971.87	3,987.49	3,841.19	146.30	27.255		
12,300.00	6,953.00	12,235.00	7,161.86	190.63	131.10	-105.46	2,764.59	3,971.87	4,085.73	3,939.99	145.75	28.033		
12,400.00	6,953.00	12,235.00	7,161.86	193.20	131.10	-105.46	2,764.59	3,971.87	4,184.06	4,038.84	145.22	28.813		
12,500.00	6,953.00	12,235.00	7,161.86	195.77	131.10	-105.46	2,764.59	3,971.87	4,282.46	4,137.75	144.71	29.593		
12,600.00	6,953.00	12,235.00	7,161.86	198.35	131.10	-105.46	2,764.59	3,971.87	4,380.94	4,236.70	144.23	30.374		
12,700.00	6,953.00	12,235.00	7,161.86	200.93	131.10	-105.46	2,764.59	3,971.87	4,479.48	4,335.70	143.78	31.156		
12,800.00	6,953.00	12,235.00	7,161.86	203.51	131.10	-105.46	2,764.59	3,971.87	4,578.08	4,434.74	143.34	31.938		
12,900.00	6,953.00	12,235.00	7,161.86	206.10	131.10	-105.46	2,764.59	3,971.87	4,676.75	4,533.82	142.93	32.721		
13,000.00	6,953.00	12,235.00	7,161.86	208.69	131.10	-105.46	2,764.59	3,971.87	4,775.47	4,632.94	142.53	33.504		
13,100.00	6,953.00	12,235.00	7,161.86	211.29	131.10	-105.46	2,764.59	3,971.87	4,874.24	4,732.09	142.16	34.288		
13,200.00	6,953.00	12,235.00	7,161.86	213.88	131.10	-105.46	2,764.59	3,971.87	4,973.07	4,831.27	141.79	35.072		
13,300.00	6,953.00	12,235.00	7,161.86	216.48	131.10	-105.46	2,764.59	3,971.87	5,071.93	4,930.48	141.45	35.857		
13,400.00	6,953.00	12,235.00	7,161.86	219.09	131.10	-105.46	2,764.59	3,971.87	5,170.85	5,029.72	141.12	36.641		
13,500.00	6,953.00	12,235.00	7,161.86	221.69	131.10	-105.46	2,764.59	3,971.87	5,269.80	5,128.99	140.81	37.426		
13,600.00	6,953.00	12,235.00	7,161.86	224.30	131.10	-105.46	2,764.59	3,971.87	5,368.79	5,228.29	140.50	38.211		
13,700.00	6,953.00	12,235.00	7,161.86	226.92	131.10	-105.46	2,764.59	3,971.87	5,467.82	5,327.60	140.21	38.996		
13,800.00	6,953.00	12,235.00	7,161.86	229.53	131.10	-105.46	2,764.59	3,971.87	5,566.88	5,426.95	139.94	39.782		
13,900.00	6,953.00	12,235.00	7,161.86	232.15	131.10	-105.46	2,764.59	3,971.87	5,665.98	5,526.31	139.67	40.567		
14,000.00	6,953.00	12,235.00	7,161.86	234.77	131.10	-105.46	2,764.59	3,971.87	5,765.10	5,625.69	139.42	41.352		
14,100.00	6,953.00	12,235.00	7,161.86	237.39	131.10	-105.46	2,764.59	3,971.87	5,864.26	5,725.09	139.17	42.137		
14,200.00	6,953.00	12,235.00	7,161.86	240.01	131.10	-105.46	2,764.59	3,971.87	5,963.45	5,824.51	138.94	42.923		
14,300.00	6,953.00	12,235.00	7,161.86	242.64	131.10	-105.46	2,764.59	3,971.87	6,062.66	5,923.95	138.71	43.708		
14,400.00	6,953.00	12,235.00	7,161.86	245.27	131.10	-105.46	2,764.59	3,971.87	6,161.90	6,023.40	138.49	44.493		
14,500.00	6,953.00	12,235.00	7,161.86	247.90	131.10	-105.46	2,764.59	3,971.87	6,261.16	6,122.87	138.28	45.277		
14,600.00	6,953.00	12,235.00	7,161.86	250.53	131.10	-105.46	2,764.59	3,971.87	6,360.44	6,222.36	138.08	46.062		

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-20-01
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-20-01	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		
14,700.00	6,953.00	12,235.00	7,161.86	253.16	131.10	-105.46	2,764.59	3,971.87	6,459.75	6,321.86	137.89	46.847		
14,800.00	6,953.00	12,235.00	7,161.86	255.80	131.10	-105.46	2,764.59	3,971.87	6,559.08	6,421.37	137.71	47.631		
14,900.00	6,953.00	12,235.00	7,161.86	258.43	131.10	-105.46	2,764.59	3,971.87	6,658.42	6,520.90	137.53	48.415		
15,000.00	6,953.00	12,235.00	7,161.86	261.07	131.10	-105.46	2,764.59	3,971.87	6,757.79	6,620.43	137.36	49.199		
15,100.00	6,953.00	12,235.00	7,161.86	263.71	131.10	-105.46	2,764.59	3,971.87	6,857.18	6,719.98	137.19	49.982		
15,200.00	6,953.00	12,235.00	7,161.86	266.36	131.10	-105.46	2,764.59	3,971.87	6,956.58	6,819.55	137.03	50.765		
15,300.00	6,953.00	12,235.00	7,161.86	269.00	131.10	-105.46	2,764.59	3,971.87	7,056.00	6,919.12	136.88	51.548		
15,400.00	6,953.00	12,235.00	7,161.86	271.65	131.10	-105.46	2,764.59	3,971.87	7,155.44	7,018.70	136.73	52.331		
15,500.00	6,953.00	12,235.00	7,161.86	274.29	131.10	-105.46	2,764.59	3,971.87	7,254.89	7,118.29	136.59	53.113		
15,600.00	6,953.00	12,235.00	7,161.86	276.94	131.10	-105.46	2,764.59	3,971.87	7,354.35	7,217.90	136.46	53.895		
15,700.00	6,953.00	12,235.00	7,161.86	279.59	131.10	-105.46	2,764.59	3,971.87	7,453.84	7,317.51	136.33	54.677		
15,800.00	6,953.00	12,235.00	7,161.86	282.24	131.10	-105.46	2,764.59	3,971.87	7,553.33	7,417.13	136.20	55.458		
15,900.00	6,953.00	12,235.00	7,161.86	284.90	131.10	-105.46	2,764.59	3,971.87	7,652.84	7,516.76	136.08	56.238		
16,000.00	6,953.00	12,235.00	7,161.86	287.55	131.10	-105.46	2,764.59	3,971.87	7,752.36	7,616.40	135.96	57.019		
16,100.00	6,953.00	12,235.00	7,161.86	290.20	131.10	-105.46	2,764.59	3,971.87	7,851.89	7,716.04	135.85	57.799		
16,200.00	6,953.00	12,235.00	7,161.86	292.86	131.10	-105.46	2,764.59	3,971.87	7,951.44	7,815.69	135.74	58.578		
16,300.00	6,953.00	12,235.00	7,161.86	295.52	131.10	-105.46	2,764.59	3,971.87	8,050.99	7,915.35	135.64	59.357		
16,400.00	6,953.00	12,235.00	7,161.86	298.18	131.10	-105.46	2,764.59	3,971.87	8,150.56	8,015.02	135.54	60.136		
16,500.00	6,953.00	12,235.00	7,161.86	300.84	131.10	-105.46	2,764.59	3,971.87	8,250.13	8,114.69	135.44	60.914		
16,600.00	6,953.00	12,235.00	7,161.86	303.50	131.10	-105.46	2,764.59	3,971.87	8,349.72	8,214.37	135.35	61.691		
16,700.00	6,953.00	12,235.00	7,161.86	306.16	131.10	-105.46	2,764.59	3,971.87	8,449.32	8,314.06	135.26	62.468		
16,800.00	6,953.00	12,235.00	7,161.86	308.82	131.10	-105.46	2,764.59	3,971.87	8,548.92	8,413.75	135.17	63.245		
16,900.00	6,953.00	12,235.00	7,161.86	311.49	131.10	-105.46	2,764.59	3,971.87	8,648.54	8,513.45	135.09	64.021		
17,000.00	6,953.00	12,235.00	7,161.86	314.15	131.10	-105.46	2,764.59	3,971.87	8,748.16	8,613.15	135.01	64.796		
17,100.00	6,953.00	12,235.00	7,161.86	316.82	131.10	-105.46	2,764.59	3,971.87	8,847.80	8,712.86	134.93	65.571		
17,200.00	6,953.00	12,235.00	7,161.86	319.48	131.10	-105.46	2,764.59	3,971.87	8,947.44	8,812.58	134.86	66.346		
17,300.00	6,953.00	12,235.00	7,161.86	322.15	131.10	-105.46	2,764.59	3,971.87	9,047.09	8,912.30	134.79	67.120		
17,400.00	6,953.00	12,235.00	7,161.86	324.82	131.10	-105.46	2,764.59	3,971.87	9,146.74	9,012.02	134.72	67.893		
17,500.00	6,953.00	12,235.00	7,161.86	327.49	131.10	-105.46	2,764.59	3,971.87	9,246.41	9,111.75	134.66	68.666		
17,600.00	6,953.00	12,235.00	7,161.86	330.16	131.10	-105.46	2,764.59	3,971.87	9,346.08	9,211.48	134.60	69.438		
17,700.00	6,953.00	12,235.00	7,161.86	332.83	131.10	-105.46	2,764.59	3,971.87	9,445.76	9,311.22	134.54	70.209		
17,800.00	6,953.00	12,235.00	7,161.86	335.50	131.10	-105.46	2,764.59	3,971.87	9,545.44	9,410.96	134.48	70.980		
17,900.00	6,953.00	12,235.00	7,161.86	338.17	131.10	-105.46	2,764.59	3,971.87	9,645.13	9,510.71	134.43	71.751		
18,000.00	6,953.00	12,235.00	7,161.86	340.85	131.10	-105.46	2,764.59	3,971.87	9,744.83	9,610.46	134.37	72.520		
18,100.00	6,953.00	12,235.00	7,161.86	343.52	131.10	-105.46	2,764.59	3,971.87	9,844.53	9,710.21	134.32	73.290		
18,200.00	6,953.00	12,235.00	7,161.86	346.19	131.10	-105.46	2,764.59	3,971.87	9,944.24	9,809.97	134.28	74.058		
18,300.00	6,953.00	12,235.00	7,161.86	348.87	131.10	-105.46	2,764.59	3,971.87	10,043.96	9,909.73	134.23	74.826		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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	-90.91	-5.10	-319.73	319.77					
100.00	100.00	105.92	105.92	0.27	0.15	-90.88	-4.94	-319.91	319.95	319.53	0.41	771.439 ES		
200.00	199.98	203.97	203.97	0.63	0.45	-154.42	-4.86	-320.50	322.13	321.05	1.08	298.387		
300.00	299.84	303.60	303.59	0.99	0.81	-154.84	-5.28	-321.49	327.85	326.06	1.80	182.364		
400.00	399.45	401.00	400.97	1.36	1.15	-155.19	-4.20	-322.97	337.24	334.73	2.51	134.221		
500.00	498.70	497.71	497.50	1.76	1.50	-155.04	0.93	-325.24	350.46	347.23	3.23	108.500		
600.00	597.47	596.41	595.65	2.18	1.87	-154.32	11.00	-327.78	366.91	362.94	3.97	92.399		
700.00	695.62	687.75	686.04	2.63	2.22	-153.35	23.67	-331.02	387.40	382.69	4.71	82.182		
800.00	793.06	780.00	776.84	3.11	2.60	-152.18	39.38	-335.34	412.11	406.62	5.49	75.067		
900.00	889.64	869.44	864.22	3.64	3.00	-150.87	57.66	-340.58	441.11	434.82	6.29	70.109		
1,000.00	985.27	958.94	950.97	4.22	3.43	-149.46	78.73	-347.04	474.53	467.39	7.14	66.506		
1,100.00	1,079.82	1,044.68	1,033.43	4.84	3.88	-148.07	101.13	-354.03	511.92	503.92	8.00	63.999		
1,200.00	1,173.17	1,128.70	1,113.63	5.52	4.35	-146.73	124.90	-361.87	553.39	544.50	8.89	62.240		
1,300.00	1,265.21	1,215.25	1,195.75	6.26	4.85	-145.44	150.82	-370.65	598.45	588.60	9.84	60.790		
1,400.00	1,355.84	1,306.21	1,281.63	7.06	5.40	-144.22	179.40	-379.66	646.06	635.18	10.88	59.361		
1,500.00	1,444.94	1,400.00	1,369.44	7.92	6.00	-142.96	211.28	-387.88	695.46	683.46	12.00	57.935		
1,600.00	1,532.39	1,482.25	1,446.58	8.84	6.53	-141.98	239.05	-394.52	746.70	733.64	13.06	57.181		
1,700.00	1,618.11	1,553.03	1,513.07	9.83	6.98	-141.19	262.31	-401.40	801.53	787.51	14.02	57.163		
1,800.00	1,701.97	1,624.42	1,580.46	10.89	7.43	-140.59	284.44	-409.48	859.75	844.75	15.00	57.334		
1,900.00	1,783.88	1,698.46	1,650.69	12.02	7.90	-140.17	305.96	-418.81	921.01	905.00	16.01	57.524		
1,991.28	1,856.86	1,773.98	1,721.96	13.11	8.39	-139.79	329.13	-428.08	978.71	961.66	17.05	57.414		
2,000.00	1,863.75	1,781.73	1,729.24	13.21	8.44	-139.85	331.61	-428.99	984.28	967.13	17.16	57.367		
2,100.00	1,942.74	1,869.28	1,811.14	14.45	9.03	-140.31	361.04	-438.56	1,047.69	1,029.30	18.39	56.963		
2,200.00	2,021.72	1,944.47	1,880.94	15.69	9.55	-140.56	387.88	-446.36	1,110.88	1,091.35	19.53	56.895		
2,300.00	2,100.71	2,028.03	1,958.08	16.95	10.15	-140.72	418.86	-454.81	1,173.98	1,153.20	20.78	56.487		
2,400.00	2,179.70	2,103.19	2,027.43	18.21	10.68	-140.84	446.91	-462.17	1,236.86	1,214.91	21.95	56.357		
2,500.00	2,258.69	2,184.01	2,102.37	19.47	11.26	-141.02	476.02	-470.41	1,299.96	1,276.78	23.18	56.078		
2,600.00	2,337.68	2,270.85	2,182.40	20.74	11.88	-141.10	508.75	-478.43	1,362.43	1,337.92	24.51	55.595		
2,700.00	2,416.66	2,351.04	2,256.65	22.02	12.46	-141.22	538.14	-485.79	1,424.78	1,399.03	25.75	55.328		
2,800.00	2,495.65	2,444.48	2,342.72	23.29	13.14	-141.28	573.67	-493.48	1,486.48	1,459.30	27.18	54.684		
2,900.00	2,574.64	2,515.52	2,407.84	24.57	13.66	-141.28	601.49	-499.16	1,548.11	1,519.76	28.35	54.611		
3,000.00	2,653.63	2,584.98	2,471.51	25.85	14.18	-141.28	628.60	-505.09	1,610.15	1,580.66	29.49	54.597		
3,100.00	2,732.62	2,654.96	2,535.79	27.14	14.70	-141.30	655.52	-511.50	1,672.63	1,641.99	30.63	54.602		
3,200.00	2,811.61	2,727.07	2,602.54	28.42	15.22	-141.39	681.88	-518.54	1,735.44	1,703.65	31.78	54.602		
3,300.00	2,890.59	2,807.55	2,677.69	29.71	15.78	-141.56	709.50	-526.61	1,798.29	1,765.28	33.01	54.477		
3,400.00	2,969.58	2,890.85	2,755.60	31.00	16.36	-141.73	737.83	-534.80	1,860.99	1,826.72	34.27	54.299		
3,500.00	3,048.57	2,962.05	2,821.94	32.29	16.85	-141.84	762.74	-541.70	1,923.65	1,888.27	35.38	54.365		
3,600.00	3,127.56	3,032.39	2,887.83	33.58	17.34	-141.98	786.25	-548.96	1,986.69	1,950.22	36.47	54.472		
3,700.00	3,206.55	3,106.66	2,957.37	34.87	17.85	-142.13	811.14	-556.75	2,049.89	2,012.29	37.61	54.508		
3,800.00	3,285.53	3,173.84	3,020.02	36.16	18.32	-142.23	834.27	-563.97	2,113.36	2,074.70	38.66	54.661		
3,900.00	3,364.52	3,270.17	3,109.45	37.45	19.01	-142.32	868.60	-574.21	2,176.84	2,136.71	40.13	54.240		
4,000.00	3,443.51	3,377.63	3,208.98	38.74	19.78	-142.38	907.86	-584.17	2,239.28	2,197.51	41.77	53.605		
4,100.00	3,522.50	3,474.99	3,299.71	40.04	20.47	-142.47	942.20	-592.25	2,300.88	2,257.64	43.25	53.204		
4,200.00	3,601.49	3,560.89	3,380.66	41.33	21.04	-142.62	970.14	-599.08	2,362.05	2,317.53	44.52	53.056		
4,300.00	3,680.47	3,638.72	3,454.07	42.63	21.55	-142.75	995.26	-605.18	2,423.12	2,377.43	45.69	53.037		
4,400.00	3,759.46	3,698.73	3,510.55	43.92	21.95	-142.84	1,014.93	-610.00	2,484.42	2,437.79	46.63	53.274		
4,500.00	3,838.45	3,744.91	3,553.71	45.22	22.27	-142.89	1,030.81	-614.22	2,546.65	2,499.24	47.41	53.718		
4,600.00	3,917.44	3,800.63	3,605.39	46.51	22.67	-142.92	1,050.84	-619.92	2,609.78	2,561.46	48.32	54.009		
4,700.00	3,996.43	3,864.00	3,663.99	47.81	23.13	-142.94	1,074.02	-626.68	2,673.34	2,623.99	49.35	54.170		
4,800.00	4,075.42	3,928.65	3,723.65	49.10	23.61	-142.95	1,097.86	-633.87	2,737.26	2,686.86	50.40	54.307		
4,900.00	4,154.40	3,995.82	3,785.61	50.40	24.11	-142.96	1,122.59	-641.68	2,801.56	2,750.07	51.49	54.410		
5,000.00	4,233.39	4,082.45	3,865.78	51.70	24.74	-143.00	1,153.79	-651.91	2,865.98	2,813.13	52.85	54.229		

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-20-01
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-20-01	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	4,312.38	4,214.80	3,989.12	52.99	25.67	-143.10	1,199.71	-665.80	2,929.24	2,874.43	54.82	53.434		
5,200.00	4,391.37	4,333.13	4,100.30	54.29	26.48	-143.23	1,238.75	-676.57	2,991.38	2,934.84	56.55	52.903		
5,300.00	4,470.36	10,760.00	7,275.12	55.59	91.46	-139.41	2,394.58	2,428.76	3,052.41	2,988.60	63.81	47.834		
5,400.00	4,549.34	10,783.52	7,274.67	56.89	92.05	-139.30	2,394.55	2,452.27	2,968.02	2,902.84	65.18	45.536		
5,500.00	4,628.33	10,813.49	7,274.14	58.18	92.80	-139.15	2,394.97	2,482.23	2,884.10	2,817.49	66.61	43.301		
5,600.00	4,707.32	10,855.00	7,273.45	59.48	93.85	-138.90	2,396.43	2,523.71	2,800.67	2,732.58	68.10	41.128		
5,700.00	4,786.31	10,877.50	7,273.17	60.78	94.41	-138.75	2,397.46	2,546.19	2,717.66	2,648.00	69.66	39.013		
5,800.00	4,865.30	10,912.97	7,273.05	62.08	95.31	-138.52	2,398.90	2,581.62	2,635.13	2,563.87	71.27	36.975		
5,900.00	4,944.28	10,951.00	7,273.35	63.38	96.27	-138.28	2,400.23	2,619.63	2,553.07	2,480.15	72.92	35.013		
6,000.00	5,023.27	10,976.84	7,273.84	64.68	96.93	-138.12	2,401.11	2,645.46	2,471.59	2,396.92	74.66	33.103		
6,100.00	5,102.26	11,004.83	7,274.69	65.97	97.64	-137.94	2,402.16	2,673.41	2,390.85	2,314.36	76.48	31.261		
6,200.00	5,181.25	11,046.00	7,276.55	67.27	98.69	-137.66	2,403.92	2,714.50	2,310.95	2,232.63	78.32	29.506		
6,300.00	5,260.24	11,104.76	7,279.50	68.57	100.18	-137.26	2,406.32	2,773.13	2,231.43	2,151.29	80.13	27.846		
6,400.00	5,339.23	11,278.32	7,284.76	69.87	104.61	-136.03	2,408.52	2,946.57	2,150.33	2,069.27	81.06	26.528		
6,500.00	5,418.21	11,387.81	7,285.79	71.17	107.40	-135.31	2,403.95	3,055.95	2,066.66	1,984.56	82.11	25.171		
6,600.00	5,497.20	11,472.63	7,285.90	72.47	109.55	-134.77	2,398.00	3,140.56	1,982.03	1,898.78	83.26	23.806		
6,700.00	5,576.19	11,543.99	7,285.30	73.77	111.36	-134.28	2,392.15	3,211.68	1,896.69	1,812.15	84.54	22.435		
6,800.00	5,655.18	11,599.90	7,284.42	75.07	112.79	-133.83	2,387.75	3,267.40	1,811.11	1,725.01	86.11	21.033		
6,900.00	5,734.17	11,648.86	7,283.39	76.37	114.04	-133.37	2,384.27	3,316.24	1,725.50	1,637.62	87.88	19.635		
7,000.00	5,813.15	11,694.69	7,282.35	77.67	115.21	-132.87	2,381.46	3,361.96	1,640.08	1,550.25	89.83	18.257		
7,100.00	5,892.14	11,735.18	7,281.40	78.97	116.25	-132.36	2,379.41	3,402.39	1,554.93	1,462.88	92.05	16.893		
7,200.00	5,971.13	11,772.43	7,280.63	80.27	117.22	-131.82	2,378.07	3,439.61	1,470.32	1,375.78	94.54	15.552		
7,300.00	6,050.12	11,811.33	7,279.96	81.57	118.22	-131.18	2,377.28	3,478.49	1,386.33	1,289.09	97.24	14.257		
7,400.00	6,129.11	11,864.10	7,279.07	82.86	119.59	-130.19	2,376.70	3,531.25	1,302.72	1,202.86	99.85	13.046		
7,500.00	6,208.09	11,914.57	7,278.13	84.16	120.90	-129.10	2,376.38	3,581.71	1,219.28	1,116.50	102.78	11.863		
7,600.00	6,287.08	11,958.06	7,277.53	85.46	122.03	-128.05	2,376.25	3,625.20	1,136.36	1,030.13	106.23	10.697		
7,700.00	6,366.07	12,000.00	7,277.30	86.76	123.12	-126.92	2,376.27	3,667.14	1,054.14	944.01	110.14	9.571		
7,800.00	6,445.06	12,045.10	7,277.48	88.06	124.29	-125.58	2,376.50	3,712.24	972.80	858.38	114.42	8.502		
7,900.00	6,524.05	12,095.00	7,278.30	89.36	125.59	-123.89	2,377.11	3,762.13	892.57	773.47	119.10	7.494		
8,000.00	6,603.03	12,140.92	7,279.42	90.66	126.79	-122.11	2,377.91	3,808.02	813.33	688.64	124.70	6.523		
8,100.00	6,682.02	12,191.00	7,280.83	91.96	128.10	-119.87	2,378.98	3,858.07	735.07	604.02	131.05	5.609		
8,133.44	6,708.44	12,210.01	7,281.42	92.40	128.60	-118.92	2,379.48	3,877.06	709.17	575.86	133.30	5.320		
8,150.00	6,721.39	12,218.22	7,281.69	92.62	128.81	-120.54	2,379.72	3,885.27	696.55	562.00	134.55	5.177		
8,200.00	6,758.90	12,245.17	7,282.64	93.34	129.52	-124.54	2,380.67	3,912.19	660.51	521.97	138.54	4.768		
8,250.00	6,793.76	12,275.20	7,283.80	94.13	130.30	-127.52	2,381.98	3,942.16	627.81	484.97	142.83	4.395		
8,300.00	6,825.72	12,311.90	7,285.34	95.00	131.26	-129.57	2,383.84	3,978.78	598.69	451.56	147.13	4.069		
8,350.00	6,854.52	12,353.15	7,287.09	95.93	132.34	-130.98	2,385.94	4,019.94	573.13	421.71	151.43	3.785		
8,400.00	6,879.97	12,396.70	7,288.93	96.92	133.48	-131.96	2,388.17	4,063.40	551.26	395.52	155.74	3.540		
8,450.00	6,901.84	12,415.00	7,289.70	97.95	133.96	-133.21	2,389.10	4,081.66	533.87	372.09	161.78	3.300		
8,500.00	6,920.00	12,415.00	7,289.70	99.02	133.96	-134.32	2,389.10	4,081.66	524.25	356.05	168.20	3.117		
8,530.86	6,929.28	12,415.00	7,289.70	99.70	133.96	-134.73	2,389.10	4,081.66	522.59	351.16	171.43	3.048		
8,550.00	6,934.28	12,415.00	7,289.70	100.12	133.96	-134.88	2,389.10	4,081.66	523.23	350.13	173.10	3.023		
8,600.00	6,944.59	12,415.00	7,289.70	101.22	133.96	-134.90	2,389.10	4,081.66	530.86	354.68	176.18	3.013 SF		
8,650.00	6,950.84	12,415.00	7,289.70	102.33	133.96	-134.37	2,389.10	4,081.66	546.73	369.29	177.44	3.081		
8,701.16	6,953.00	12,415.00	7,289.70	103.44	133.96	-133.21	2,389.10	4,081.66	570.65	393.51	177.14	3.222		
8,800.00	6,953.00	12,415.00	7,289.70	105.59	133.96	-133.21	2,389.10	4,081.66	629.24	455.07	174.17	3.613		
8,900.00	6,953.00	12,415.00	7,289.70	107.79	133.96	-133.21	2,389.10	4,081.66	697.82	527.94	169.88	4.108		
9,000.00	6,953.00	12,415.00	7,289.70	110.02	133.96	-133.21	2,389.10	4,081.66	773.29	608.05	165.24	4.680		
9,100.00	6,953.00	12,415.00	7,289.70	112.26	133.96	-133.21	2,389.10	4,081.66	853.81	693.07	160.74	5.312		
9,200.00	6,953.00	12,415.00	7,289.70	114.52	133.96	-133.21	2,389.10	4,081.66	938.09	781.49	156.60	5.990		
9,300.00	6,953.00	12,415.00	7,289.70	116.80	133.96	-133.21	2,389.10	4,081.66	1,025.19	872.31	152.88	6.706		
9,400.00	6,953.00	12,415.00	7,289.70	119.10	133.96	-133.21	2,389.10	4,081.66	1,114.47	964.89	149.58	7.451		

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-20-01
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-20-01	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		
9,500.00	6,953.00	12,415.00	7,289.70	121.42	133.96	-133.21	2,389.10	4,081.66	1,205.43	1,058.76	146.66	8.219		
9,600.00	6,953.00	12,415.00	7,289.70	123.75	133.96	-133.21	2,389.10	4,081.66	1,297.72	1,153.63	144.09	9.006		
9,700.00	6,953.00	12,415.00	7,289.70	126.10	133.96	-133.21	2,389.10	4,081.66	1,391.07	1,249.26	141.81	9.809		
9,800.00	6,953.00	12,415.00	7,289.70	128.46	133.96	-133.21	2,389.10	4,081.66	1,485.29	1,345.50	139.80	10.625		
9,900.00	6,953.00	12,415.00	7,289.70	130.84	133.96	-133.21	2,389.10	4,081.66	1,580.23	1,442.22	138.00	11.451		
10,000.00	6,953.00	12,415.00	7,289.70	133.23	133.96	-133.21	2,389.10	4,081.66	1,675.75	1,539.35	136.40	12.286		
10,100.00	6,953.00	12,415.00	7,289.70	135.63	133.96	-133.21	2,389.10	4,081.66	1,771.76	1,636.80	134.96	13.128		
10,200.00	6,953.00	12,415.00	7,289.70	138.04	133.96	-133.21	2,389.10	4,081.66	1,868.20	1,734.53	133.67	13.976		
10,300.00	6,953.00	12,415.00	7,289.70	140.46	133.96	-133.21	2,389.10	4,081.66	1,964.99	1,832.49	132.50	14.830		
10,400.00	6,953.00	12,415.00	7,289.70	142.90	133.96	-133.21	2,389.10	4,081.66	2,062.08	1,930.64	131.44	15.688		
10,500.00	6,953.00	12,415.00	7,289.70	145.34	133.96	-133.21	2,389.10	4,081.66	2,159.45	2,028.97	130.48	16.550		
10,600.00	6,953.00	12,415.00	7,289.70	147.80	133.96	-133.21	2,389.10	4,081.66	2,257.04	2,127.44	129.60	17.416		
10,700.00	6,953.00	12,415.00	7,289.70	150.26	133.96	-133.21	2,389.10	4,081.66	2,354.83	2,226.04	128.79	18.284		
10,800.00	6,953.00	12,415.00	7,289.70	152.73	133.96	-133.21	2,389.10	4,081.66	2,452.81	2,324.75	128.06	19.154		
10,900.00	6,953.00	12,415.00	7,289.70	155.21	133.96	-133.21	2,389.10	4,081.66	2,550.93	2,423.56	127.38	20.027		
11,000.00	6,953.00	12,415.00	7,289.70	157.70	133.96	-133.21	2,389.10	4,081.66	2,649.20	2,522.46	126.75	20.901		
11,100.00	6,953.00	12,415.00	7,289.70	160.20	133.96	-133.21	2,389.10	4,081.66	2,747.60	2,621.43	126.17	21.777		
11,200.00	6,953.00	12,415.00	7,289.70	162.70	133.96	-133.21	2,389.10	4,081.66	2,846.11	2,720.47	125.63	22.654		
11,300.00	6,953.00	12,415.00	7,289.70	165.21	133.96	-133.21	2,389.10	4,081.66	2,944.71	2,819.58	125.13	23.532		
11,400.00	6,953.00	12,415.00	7,289.70	167.73	133.96	-133.21	2,389.10	4,081.66	3,043.41	2,918.74	124.67	24.412		
11,500.00	6,953.00	12,415.00	7,289.70	170.25	133.96	-133.21	2,389.10	4,081.66	3,142.19	3,017.95	124.24	25.292		
11,600.00	6,953.00	12,415.00	7,289.70	172.78	133.96	-133.21	2,389.10	4,081.66	3,241.05	3,117.21	123.84	26.172		
11,700.00	6,953.00	12,415.00	7,289.70	175.31	133.96	-133.21	2,389.10	4,081.66	3,339.97	3,216.51	123.46	27.053		
11,800.00	6,953.00	12,415.00	7,289.70	177.85	133.96	-133.21	2,389.10	4,081.66	3,438.95	3,315.85	123.11	27.935		
11,900.00	6,953.00	12,415.00	7,289.70	180.40	133.96	-133.21	2,389.10	4,081.66	3,538.00	3,415.22	122.77	28.817		
12,000.00	6,953.00	12,415.00	7,289.70	182.95	133.96	-133.21	2,389.10	4,081.66	3,637.09	3,514.63	122.46	29.699		
12,100.00	6,953.00	12,415.00	7,289.70	185.50	133.96	-133.21	2,389.10	4,081.66	3,736.24	3,614.06	122.17	30.582		
12,200.00	6,953.00	12,415.00	7,289.70	188.06	133.96	-133.21	2,389.10	4,081.66	3,835.42	3,713.53	121.90	31.464		
12,300.00	6,953.00	12,415.00	7,289.70	190.63	133.96	-133.21	2,389.10	4,081.66	3,934.65	3,813.01	121.64	32.347		
12,400.00	6,953.00	12,415.00	7,289.70	193.20	133.96	-133.21	2,389.10	4,081.66	4,033.92	3,912.52	121.39	33.230		
12,500.00	6,953.00	12,415.00	7,289.70	195.77	133.96	-133.21	2,389.10	4,081.66	4,133.22	4,012.06	121.16	34.112		
12,600.00	6,953.00	12,415.00	7,289.70	198.35	133.96	-133.21	2,389.10	4,081.66	4,232.56	4,111.61	120.95	34.995		
12,700.00	6,953.00	12,415.00	7,289.70	200.93	133.96	-133.21	2,389.10	4,081.66	4,331.92	4,211.18	120.74	35.877		
12,800.00	6,953.00	12,415.00	7,289.70	203.51	133.96	-133.21	2,389.10	4,081.66	4,431.32	4,310.77	120.55	36.759		
12,900.00	6,953.00	12,415.00	7,289.70	206.10	133.96	-133.21	2,389.10	4,081.66	4,530.74	4,410.37	120.37	37.641		
13,000.00	6,953.00	12,415.00	7,289.70	208.69	133.96	-133.21	2,389.10	4,081.66	4,630.18	4,509.99	120.19	38.523		
13,100.00	6,953.00	12,415.00	7,289.70	211.29	133.96	-133.21	2,389.10	4,081.66	4,729.65	4,609.62	120.03	39.405		
13,200.00	6,953.00	12,415.00	7,289.70	213.88	133.96	-133.21	2,389.10	4,081.66	4,829.14	4,709.27	119.87	40.286		
13,300.00	6,953.00	12,415.00	7,289.70	216.48	133.96	-133.21	2,389.10	4,081.66	4,928.65	4,808.93	119.72	41.167		
13,400.00	6,953.00	12,415.00	7,289.70	219.09	133.96	-133.21	2,389.10	4,081.66	5,028.19	4,908.60	119.59	42.047		
13,500.00	6,953.00	12,415.00	7,289.70	221.69	133.96	-133.21	2,389.10	4,081.66	5,127.74	5,008.28	119.45	42.927		
13,600.00	6,953.00	12,415.00	7,289.70	224.30	133.96	-133.21	2,389.10	4,081.66	5,227.30	5,107.97	119.33	43.807		
13,700.00	6,953.00	12,415.00	7,289.70	226.92	133.96	-133.21	2,389.10	4,081.66	5,326.88	5,207.68	119.21	44.686		
13,800.00	6,953.00	12,415.00	7,289.70	229.53	133.96	-133.21	2,389.10	4,081.66	5,426.48	5,307.39	119.09	45.564		
13,900.00	6,953.00	12,415.00	7,289.70	232.15	133.96	-133.21	2,389.10	4,081.66	5,526.10	5,407.11	118.99	46.443		
14,000.00	6,953.00	12,415.00	7,289.70	234.77	133.96	-133.21	2,389.10	4,081.66	5,625.72	5,506.84	118.89	47.320		
14,100.00	6,953.00	12,415.00	7,289.70	237.39	133.96	-133.21	2,389.10	4,081.66	5,725.36	5,606.57	118.79	48.197		
14,200.00	6,953.00	12,415.00	7,289.70	240.01	133.96	-133.21	2,389.10	4,081.66	5,825.01	5,706.31	118.70	49.074		
14,300.00	6,953.00	12,415.00	7,289.70	242.64	133.96	-133.21	2,389.10	4,081.66	5,924.68	5,806.06	118.61	49.950		
14,400.00	6,953.00	12,415.00	7,289.70	245.27	133.96	-133.21	2,389.10	4,081.66	6,024.35	5,905.82	118.53	50.826		
14,500.00	6,953.00	12,415.00	7,289.70	247.90	133.96	-133.21	2,389.10	4,081.66	6,124.04	6,005.58	118.45	51.700		
14,600.00	6,953.00	12,415.00	7,289.70	250.53	133.96	-133.21	2,389.10	4,081.66	6,223.73	6,105.35	118.38	52.575		

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-20-01
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-20-01	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		
14,700.00	6,953.00	12,415.00	7,289.70	253.16	133.96	-133.21	2,389.10	4,081.66	6,323.44	6,205.13	118.31	53.448		
14,800.00	6,953.00	12,415.00	7,289.70	255.80	133.96	-133.21	2,389.10	4,081.66	6,423.15	6,304.91	118.24	54.321		
14,900.00	6,953.00	12,415.00	7,289.70	258.43	133.96	-133.21	2,389.10	4,081.66	6,522.87	6,404.69	118.18	55.194		
15,000.00	6,953.00	12,415.00	7,289.70	261.07	133.96	-133.21	2,389.10	4,081.66	6,622.61	6,504.48	118.12	56.066		
15,100.00	6,953.00	12,415.00	7,289.70	263.71	133.96	-133.21	2,389.10	4,081.66	6,722.34	6,604.28	118.07	56.937		
15,200.00	6,953.00	12,415.00	7,289.70	266.36	133.96	-133.21	2,389.10	4,081.66	6,822.09	6,704.08	118.02	57.807		
15,300.00	6,953.00	12,415.00	7,289.70	269.00	133.96	-133.21	2,389.10	4,081.66	6,921.85	6,803.88	117.97	58.677		
15,400.00	6,953.00	12,415.00	7,289.70	271.65	133.96	-133.21	2,389.10	4,081.66	7,021.61	6,903.69	117.92	59.546		
15,500.00	6,953.00	12,415.00	7,289.70	274.29	133.96	-133.21	2,389.10	4,081.66	7,121.37	7,003.50	117.88	60.414		
15,600.00	6,953.00	12,415.00	7,289.70	276.94	133.96	-133.21	2,389.10	4,081.66	7,221.15	7,103.31	117.84	61.281		
15,700.00	6,953.00	12,415.00	7,289.70	279.59	133.96	-133.21	2,389.10	4,081.66	7,320.93	7,203.13	117.80	62.148		
15,800.00	6,953.00	12,415.00	7,289.70	282.24	133.96	-133.21	2,389.10	4,081.66	7,420.72	7,302.95	117.76	63.014		
15,900.00	6,953.00	12,415.00	7,289.70	284.90	133.96	-133.21	2,389.10	4,081.66	7,520.51	7,402.78	117.73	63.879		
16,000.00	6,953.00	12,415.00	7,289.70	287.55	133.96	-133.21	2,389.10	4,081.66	7,620.31	7,502.61	117.70	64.744		
16,100.00	6,953.00	12,415.00	7,289.70	290.20	133.96	-133.21	2,389.10	4,081.66	7,720.11	7,602.44	117.67	65.607		
16,200.00	6,953.00	12,415.00	7,289.70	292.86	133.96	-133.21	2,389.10	4,081.66	7,819.92	7,702.27	117.65	66.470		
16,300.00	6,953.00	12,415.00	7,289.70	295.52	133.96	-133.21	2,389.10	4,081.66	7,919.73	7,802.11	117.62	67.332		
16,400.00	6,953.00	12,415.00	7,289.70	298.18	133.96	-133.21	2,389.10	4,081.66	8,019.55	7,901.95	117.60	68.194		
16,500.00	6,953.00	12,415.00	7,289.70	300.84	133.96	-133.21	2,389.10	4,081.66	8,119.37	8,001.79	117.58	69.054		
16,600.00	6,953.00	12,415.00	7,289.70	303.50	133.96	-133.21	2,389.10	4,081.66	8,219.19	8,101.63	117.56	69.914		
16,700.00	6,953.00	12,415.00	7,289.70	306.16	133.96	-133.21	2,389.10	4,081.66	8,319.02	8,201.48	117.55	70.773		
16,800.00	6,953.00	12,415.00	7,289.70	308.82	133.96	-133.21	2,389.10	4,081.66	8,418.86	8,301.33	117.53	71.631		
16,900.00	6,953.00	12,415.00	7,289.70	311.49	133.96	-133.21	2,389.10	4,081.66	8,518.70	8,401.18	117.52	72.488		
17,000.00	6,953.00	12,415.00	7,289.70	314.15	133.96	-133.21	2,389.10	4,081.66	8,618.54	8,501.03	117.51	73.344		
17,100.00	6,953.00	12,415.00	7,289.70	316.82	133.96	-133.21	2,389.10	4,081.66	8,718.38	8,600.88	117.50	74.199		
17,200.00	6,953.00	12,415.00	7,289.70	319.48	133.96	-133.21	2,389.10	4,081.66	8,818.23	8,700.74	117.49	75.054		
17,300.00	6,953.00	12,415.00	7,289.70	322.15	133.96	-133.21	2,389.10	4,081.66	8,918.09	8,800.60	117.49	75.907		
17,400.00	6,953.00	12,415.00	7,289.70	324.82	133.96	-133.21	2,389.10	4,081.66	9,017.94	8,900.46	117.48	76.760		
17,500.00	6,953.00	12,415.00	7,289.70	327.49	133.96	-133.21	2,389.10	4,081.66	9,117.80	9,000.32	117.48	77.612		
17,600.00	6,953.00	12,415.00	7,289.70	330.16	133.96	-133.21	2,389.10	4,081.66	9,217.66	9,100.18	117.48	78.463		
17,700.00	6,953.00	12,415.00	7,289.70	332.83	133.96	-133.21	2,389.10	4,081.66	9,317.53	9,200.05	117.48	79.313		
17,800.00	6,953.00	12,415.00	7,289.70	335.50	133.96	-133.21	2,389.10	4,081.66	9,417.40	9,299.92	117.48	80.162		
17,900.00	6,953.00	12,415.00	7,289.70	338.17	133.96	-133.21	2,389.10	4,081.66	9,517.27	9,399.78	117.48	81.010		
18,000.00	6,953.00	12,415.00	7,289.70	340.85	133.96	-133.21	2,389.10	4,081.66	9,617.14	9,499.65	117.49	81.857		
18,100.00	6,953.00	12,415.00	7,289.70	343.52	133.96	-133.21	2,389.10	4,081.66	9,717.02	9,599.52	117.49	82.703		
18,200.00	6,953.00	12,415.00	7,289.70	346.19	133.96	-133.21	2,389.10	4,081.66	9,816.89	9,699.39	117.50	83.548		
18,300.00	6,953.00	12,415.00	7,289.70	348.87	133.96	-133.21	2,389.10	4,081.66	9,916.77	9,799.27	117.51	84.393		
18,400.00	6,953.00	12,415.00	7,289.70	351.55	133.96	-133.21	2,389.10	4,081.66	10,016.66	9,899.14	117.52	85.236		
18,500.00	6,953.00	12,415.00	7,289.70	354.22	133.96	-133.21	2,389.10	4,081.66	10,116.54	9,999.02	117.53	86.079		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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	-4.74	-299.66	299.69					
100.00	100.00	106.27	106.27	0.27	0.15	-90.96	-5.02	-299.78	299.82	299.41	0.42	721.805		
200.00	199.98	202.96	202.96	0.63	0.45	-154.61	-5.53	-300.45	302.11	301.03	1.08	280.169		
300.00	299.84	300.66	300.64	0.99	0.80	-155.03	-5.91	-302.12	308.55	306.76	1.79	172.098		
400.00	399.45	398.08	398.03	1.36	1.15	-155.70	-6.55	-304.36	318.80	316.28	2.51	126.931		
500.00	498.70	499.18	499.09	1.76	1.51	-156.27	-5.48	-306.77	332.26	329.03	3.24	102.655		
600.00	597.47	598.36	598.11	2.18	1.86	-156.31	-0.40	-308.95	348.50	344.54	3.96	88.027		
700.00	695.62	696.11	695.41	2.63	2.21	-155.89	8.64	-311.21	367.79	363.09	4.69	78.349		
800.00	793.06	787.78	786.19	3.11	2.55	-155.09	20.94	-314.32	391.06	385.63	5.44	71.951		
900.00	889.64	880.62	877.39	3.64	2.93	-153.87	37.66	-318.63	418.52	412.30	6.22	67.330		
1,000.00	985.27	972.50	967.04	4.22	3.33	-152.52	57.19	-323.61	449.77	442.74	7.03	63.944		
1,100.00	1,079.82	1,064.00	1,055.85	4.84	3.76	-151.20	78.48	-329.14	484.67	476.78	7.89	61.422		
1,200.00	1,173.17	1,157.27	1,146.01	5.52	4.22	-149.96	101.67	-334.85	522.63	513.83	8.80	59.383		
1,300.00	1,265.21	1,241.48	1,227.41	6.26	4.65	-149.03	122.52	-340.37	563.81	554.13	9.68	58.243		
1,400.00	1,355.84	1,326.33	1,309.42	7.06	5.09	-148.29	143.30	-346.83	608.67	598.08	10.59	57.486		
1,500.00	1,444.94	1,405.92	1,386.01	7.92	5.51	-147.58	163.89	-353.55	656.96	645.47	11.49	57.185		
1,600.00	1,532.39	1,483.92	1,460.70	8.84	5.95	-146.88	185.05	-361.12	708.94	696.53	12.41	57.129		
1,700.00	1,618.11	1,563.03	1,535.85	9.83	6.41	-146.10	208.35	-369.36	764.09	750.71	13.38	57.112		
1,800.00	1,701.97	1,643.14	1,611.88	10.89	6.89	-145.41	232.07	-377.95	821.90	807.51	14.39	57.115		
1,900.00	1,783.88	1,718.66	1,683.53	12.02	7.35	-144.78	254.45	-386.26	882.27	866.88	15.39	57.344		
1,991.28	1,856.86	1,783.59	1,744.72	13.11	7.76	-144.13	274.85	-393.72	939.75	923.47	16.28	57.707		
2,000.00	1,863.75	1,789.51	1,750.28	13.21	7.80	-144.15	276.77	-394.43	945.36	928.99	16.37	57.738		
2,100.00	1,942.74	1,857.00	1,813.28	14.45	8.24	-144.29	299.49	-402.70	1,010.03	992.69	17.34	58.238		
2,200.00	2,021.72	1,927.53	1,878.88	15.69	8.71	-144.39	323.74	-411.82	1,075.23	1,056.87	18.37	58.540		
2,300.00	2,100.71	2,003.16	1,949.34	16.95	9.22	-144.50	349.31	-421.86	1,140.70	1,121.24	19.46	58.628		
2,400.00	2,179.70	2,082.23	2,023.07	18.21	9.76	-144.62	375.95	-432.19	1,205.99	1,185.40	20.59	58.563		
2,500.00	2,258.69	2,170.73	2,105.79	19.47	10.36	-144.76	405.33	-443.42	1,271.01	1,249.16	21.85	58.172		
2,600.00	2,337.68	2,272.62	2,200.83	20.74	11.05	-144.84	440.42	-454.22	1,334.35	1,311.06	23.29	57.299		
2,700.00	2,416.66	2,348.37	2,271.50	22.02	11.57	-144.88	466.61	-461.86	1,397.37	1,372.95	24.42	57.226		
2,800.00	2,495.65	2,425.65	2,343.64	23.29	12.09	-144.93	493.19	-469.71	1,460.45	1,434.88	25.57	57.116		
2,900.00	2,574.64	2,503.84	2,416.64	24.57	12.63	-144.97	520.05	-477.65	1,523.52	1,496.78	26.74	56.982		
3,000.00	2,653.63	2,580.36	2,488.10	25.85	13.15	-145.01	546.29	-485.42	1,586.59	1,558.70	27.88	56.898		
3,100.00	2,732.62	2,652.57	2,556.63	27.14	13.64	-145.07	570.75	-492.87	1,649.78	1,620.81	28.97	56.942		
3,200.00	2,811.61	2,720.96	2,619.90	28.42	14.10	-145.16	592.92	-500.31	1,713.36	1,683.36	30.00	57.112		
3,300.00	2,890.59	2,804.53	2,698.78	29.71	14.64	-145.31	618.95	-509.48	1,776.99	1,745.79	31.20	56.960		
3,400.00	2,969.58	2,916.41	2,804.33	31.00	15.38	-145.47	654.32	-520.54	1,839.81	1,807.05	32.75	56.172		
3,500.00	3,048.57	2,989.64	2,873.46	32.29	15.85	-145.57	677.54	-527.23	1,902.01	1,868.17	33.83	56.217		
3,600.00	3,127.56	3,047.63	2,928.32	33.58	16.23	-145.65	695.52	-532.78	1,964.59	1,929.87	34.72	56.585		
3,700.00	3,206.55	3,100.80	2,978.38	34.87	16.58	-145.71	712.46	-538.52	2,028.11	1,992.57	35.54	57.062		
3,800.00	3,285.53	3,185.05	3,057.54	36.16	17.15	-145.79	739.72	-547.96	2,091.95	2,055.17	36.78	56.882		
3,900.00	3,364.52	3,280.94	3,147.67	37.45	17.79	-145.86	770.84	-558.13	2,155.35	2,117.18	38.17	56.474		
4,000.00	3,443.51	3,334.12	3,197.65	38.74	18.15	-145.90	788.15	-563.74	2,218.74	2,179.74	39.00	56.892		
4,100.00	3,522.50	3,386.00	3,246.29	40.04	18.50	-145.93	805.07	-569.93	2,283.12	2,243.31	39.81	57.350		
4,200.00	3,601.49	3,478.97	3,333.35	41.33	19.14	-145.98	835.68	-581.19	2,347.72	2,306.54	41.18	57.011		
4,300.00	3,680.47	3,546.42	3,396.37	42.63	19.61	-145.99	858.40	-589.13	2,412.04	2,369.82	42.22	57.133		
4,400.00	3,759.46	3,613.27	3,458.64	43.92	20.08	-145.99	881.31	-597.26	2,476.67	2,433.42	43.25	57.265		
4,500.00	3,838.45	3,685.32	3,526.07	45.22	20.58	-146.03	905.02	-606.30	2,541.57	2,497.22	44.35	57.313		
4,600.00	3,917.44	3,786.66	3,620.05	46.51	21.30	-145.99	940.95	-618.30	2,605.94	2,560.05	45.88	56.793		
4,700.00	3,996.43	3,851.45	3,679.70	47.81	21.79	-145.93	965.08	-625.86	2,670.27	2,623.33	46.94	56.891		
4,800.00	4,075.42	3,915.76	3,738.87	49.10	22.27	-145.88	989.05	-633.66	2,734.93	2,686.95	47.98	57.000		
4,900.00	4,154.40	4,071.36	3,882.55	50.40	23.40	-145.78	1,046.08	-651.25	2,799.26	2,748.93	50.32	55.625		
5,000.00	4,233.39	4,147.85	3,954.47	51.70	23.92	-145.82	1,071.03	-658.66	2,861.93	2,810.45	51.47	55.599		

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-20-01
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-20-01	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	4,312.38	10,277.21	6,995.41	52.99	87.19	-146.45	2,084.71	2,297.04	2,844.59	2,788.25	56.34	50.492		
5,200.00	4,391.37	10,323.84	6,994.82	54.29	88.37	-146.44	2,083.91	2,343.66	2,760.03	2,702.61	57.42	48.068		
5,300.00	4,470.36	10,369.88	6,994.58	55.59	89.53	-146.45	2,082.55	2,389.68	2,675.61	2,617.12	58.49	45.742		
5,400.00	4,549.34	10,409.39	6,994.65	56.89	90.53	-146.48	2,081.05	2,429.16	2,591.40	2,531.81	59.59	43.489		
5,500.00	4,628.33	10,448.12	6,994.97	58.18	91.51	-146.52	2,079.58	2,467.86	2,507.52	2,446.82	60.70	41.308		
5,600.00	4,707.32	10,515.94	6,995.81	59.48	93.23	-146.59	2,076.92	2,535.62	2,423.87	2,362.18	61.69	39.291		
5,700.00	4,786.31	10,569.00	6,995.92	60.78	94.58	-146.65	2,074.57	2,588.63	2,339.56	2,276.82	62.74	37.292		
5,800.00	4,865.30	10,605.23	6,996.13	62.08	95.51	-146.70	2,073.03	2,624.82	2,255.58	2,191.68	63.90	35.300		
5,900.00	4,944.28	10,630.15	6,996.67	63.38	96.14	-146.73	2,072.13	2,649.73	2,172.42	2,107.24	65.18	33.330		
6,000.00	5,023.27	10,664.00	6,997.91	64.68	97.01	-146.77	2,071.13	2,683.54	2,090.09	2,023.65	66.44	31.458		
6,100.00	5,102.26	10,700.64	6,999.62	65.97	97.95	-146.83	2,070.13	2,720.12	2,008.36	1,940.64	67.72	29.658		
6,200.00	5,181.25	10,752.91	7,002.28	67.27	99.29	-146.92	2,068.49	2,772.30	1,926.86	1,858.01	68.85	27.987		
6,300.00	5,260.24	10,801.24	7,004.97	68.57	100.53	-147.02	2,066.87	2,820.53	1,845.59	1,775.56	70.03	26.355		
6,400.00	5,339.23	10,855.00	7,008.27	69.87	101.91	-147.14	2,065.15	2,874.16	1,764.66	1,693.51	71.14	24.805		
6,500.00	5,418.21	10,947.92	7,013.33	71.17	104.30	-147.40	2,061.56	2,966.87	1,683.28	1,611.67	71.61	23.506		
6,600.00	5,497.20	11,077.70	7,014.29	72.47	107.65	-147.64	2,057.48	3,096.55	1,598.92	1,527.52	71.40	22.393		
6,700.00	5,576.19	11,122.37	7,013.59	73.77	108.81	-147.64	2,057.33	3,141.21	1,514.45	1,441.82	72.62	20.853		
6,800.00	5,655.18	11,162.80	7,013.04	75.07	109.86	-147.59	2,057.75	3,181.64	1,430.33	1,356.33	74.00	19.328		
6,900.00	5,734.17	11,200.97	7,013.01	76.37	110.85	-147.56	2,058.12	3,219.81	1,346.85	1,271.37	75.48	17.843		
7,000.00	5,813.15	11,243.23	7,013.57	77.67	111.95	-147.55	2,058.41	3,262.06	1,264.04	1,187.11	76.93	16.431		
7,100.00	5,892.14	11,312.07	7,014.43	78.97	113.74	-147.53	2,058.80	3,330.89	1,181.19	1,103.45	77.74	15.194		
7,200.00	5,971.13	11,359.96	7,014.78	80.27	114.99	-147.50	2,059.11	3,378.78	1,098.09	1,018.97	79.12	13.879		
7,300.00	6,050.12	11,401.11	7,015.62	81.57	116.07	-147.48	2,059.53	3,419.91	1,015.75	934.95	80.79	12.572		
7,400.00	6,129.11	11,453.30	7,017.41	82.86	117.43	-147.47	2,060.14	3,472.07	934.16	851.99	82.16	11.370		
7,500.00	6,208.09	11,519.12	7,019.61	84.16	119.15	-147.55	2,060.01	3,537.85	852.28	769.40	82.88	10.283		
7,600.00	6,287.08	11,614.08	7,019.90	85.46	121.63	-147.55	2,059.87	3,632.79	768.80	686.79	82.01	9.374		
7,700.00	6,366.07	11,667.37	7,018.25	86.76	123.03	-147.34	2,060.61	3,686.06	683.86	600.58	83.28	8.212		
7,800.00	6,445.06	11,718.86	7,016.65	88.06	124.38	-147.02	2,061.67	3,737.51	599.04	514.24	84.80	7.064		
7,900.00	6,524.05	11,770.41	7,015.17	89.36	125.73	-146.59	2,062.81	3,789.03	514.37	427.87	86.50	5.947		
8,000.00	6,603.03	11,822.25	7,013.87	90.66	127.09	-146.03	2,063.86	3,840.84	429.86	341.47	88.40	4.863		
8,100.00	6,682.02	11,874.16	7,012.76	91.96	128.45	-145.20	2,065.02	3,892.73	345.60	254.86	90.74	3.809		
8,133.44	6,708.44	11,891.70	7,012.43	92.40	128.91	-144.82	2,065.46	3,910.25	317.48	225.82	91.67	3.463		
8,150.00	6,721.39	11,900.60	7,012.27	92.62	129.15	-145.82	2,065.69	3,919.15	303.71	211.54	92.17	3.295		
8,200.00	6,758.90	11,930.53	7,011.76	93.34	129.93	-148.25	2,066.48	3,949.07	263.83	169.97	93.86	2.811		
8,250.00	6,793.76	11,963.96	7,011.18	94.13	130.81	-149.92	2,067.37	3,982.48	226.76	130.76	96.00	2.362		
8,300.00	6,825.72	12,000.48	7,010.55	95.00	131.77	-150.92	2,068.34	4,018.99	192.77	94.00	98.77	1.952		
8,350.00	6,854.52	12,039.85	7,009.87	95.93	132.81	-151.28	2,069.38	4,058.33	162.16	59.76	102.40	1.584		
8,400.00	6,879.97	12,055.00	7,009.60	96.92	133.21	-152.10	2,069.78	4,073.48	137.79	22.23	115.56	1.192 Level 2		
8,436.52	6,896.30	12,055.00	7,009.60	97.67	133.21	-152.84	2,069.78	4,073.48	131.72	5.69	126.03	1.045 Level 2, CC		
8,450.00	6,901.84	12,055.00	7,009.60	97.95	133.21	-153.05	2,069.78	4,073.48	132.57	4.37	128.20	1.034 Level 2, ES, SF		
8,500.00	6,920.00	12,055.00	7,009.60	99.02	133.21	-153.55	2,069.78	4,073.48	149.33	21.25	128.09	1.166 Level 2		
8,550.00	6,934.28	12,055.00	7,009.60	100.12	133.21	-153.57	2,069.78	4,073.48	182.01	60.12	121.89	1.493 Level 3		
8,600.00	6,944.59	12,055.00	7,009.60	101.22	133.21	-153.00	2,069.78	4,073.48	223.55	107.46	116.09	1.926		
8,650.00	6,950.84	12,055.00	7,009.60	102.33	133.21	-151.43	2,069.78	4,073.48	269.65	157.55	112.11	2.405		
8,701.16	6,953.00	12,055.00	7,009.60	103.44	133.21	-147.50	2,069.78	4,073.48	319.22	209.59	109.62	2.912		
8,800.00	6,953.00	12,055.00	7,009.60	105.59	133.21	-147.50	2,069.78	4,073.48	416.76	309.88	106.88	3.899		
8,900.00	6,953.00	12,055.00	7,009.60	107.79	133.21	-147.50	2,069.78	4,073.48	515.95	410.78	105.17	4.906		
9,000.00	6,953.00	12,055.00	7,009.60	110.02	133.21	-147.50	2,069.78	4,073.48	615.40	511.38	104.02	5.916		
9,100.00	6,953.00	12,055.00	7,009.60	112.26	133.21	-147.50	2,069.78	4,073.48	715.01	611.81	103.20	6.928		
9,200.00	6,953.00	12,055.00	7,009.60	114.52	133.21	-147.50	2,069.78	4,073.48	814.71	712.12	102.59	7.941		
9,300.00	6,953.00	12,055.00	7,009.60	116.80	133.21	-147.50	2,069.78	4,073.48	914.48	812.36	102.12	8.955		
9,400.00	6,953.00	12,055.00	7,009.60	119.10	133.21	-147.50	2,069.78	4,073.48	1,014.29	912.54	101.75	9.968		

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-20-01
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-20-01	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		
9,500.00	6,953.00	12,055.00	7,009.60	121.42	133.21	-147.50	2,069.78	4,073.48	1,114.14	1,012.69	101.45	10.982		
9,600.00	6,953.00	12,055.00	7,009.60	123.75	133.21	-147.50	2,069.78	4,073.48	1,214.01	1,112.81	101.21	11.995		
9,700.00	6,953.00	12,055.00	7,009.60	126.10	133.21	-147.50	2,069.78	4,073.48	1,313.90	1,212.90	101.00	13.009		
9,800.00	6,953.00	12,055.00	7,009.60	128.46	133.21	-147.50	2,069.78	4,073.48	1,413.81	1,312.98	100.83	14.021		
9,900.00	6,953.00	12,055.00	7,009.60	130.84	133.21	-147.50	2,069.78	4,073.48	1,513.73	1,413.04	100.69	15.034		
10,000.00	6,953.00	12,055.00	7,009.60	133.23	133.21	-147.50	2,069.78	4,073.48	1,613.66	1,513.10	100.56	16.046		
10,100.00	6,953.00	12,055.00	7,009.60	135.63	133.21	-147.50	2,069.78	4,073.48	1,713.60	1,613.14	100.46	17.058		
10,200.00	6,953.00	12,055.00	7,009.60	138.04	133.21	-147.50	2,069.78	4,073.48	1,813.54	1,713.17	100.37	18.069		
10,300.00	6,953.00	12,055.00	7,009.60	140.46	133.21	-147.50	2,069.78	4,073.48	1,913.49	1,813.20	100.29	19.079		
10,400.00	6,953.00	12,055.00	7,009.60	142.90	133.21	-147.50	2,069.78	4,073.48	2,013.45	1,913.22	100.23	20.089		
10,500.00	6,953.00	12,055.00	7,009.60	145.34	133.21	-147.50	2,069.78	4,073.48	2,113.41	2,013.24	100.17	21.099		
10,600.00	6,953.00	12,055.00	7,009.60	147.80	133.21	-147.50	2,069.78	4,073.48	2,213.37	2,113.25	100.12	22.107		
10,700.00	6,953.00	12,055.00	7,009.60	150.26	133.21	-147.50	2,069.78	4,073.48	2,313.34	2,213.26	100.08	23.116		
10,800.00	6,953.00	12,055.00	7,009.60	152.73	133.21	-147.50	2,069.78	4,073.48	2,413.30	2,313.26	100.04	24.123		
10,900.00	6,953.00	12,055.00	7,009.60	155.21	133.21	-147.50	2,069.78	4,073.48	2,513.28	2,413.27	100.01	25.130		
11,000.00	6,953.00	12,055.00	7,009.60	157.70	133.21	-147.50	2,069.78	4,073.48	2,613.25	2,513.26	99.99	26.136		
11,100.00	6,953.00	12,055.00	7,009.60	160.20	133.21	-147.50	2,069.78	4,073.48	2,713.23	2,613.26	99.96	27.142		
11,200.00	6,953.00	12,055.00	7,009.60	162.70	133.21	-147.50	2,069.78	4,073.48	2,813.20	2,713.26	99.95	28.147		
11,300.00	6,953.00	12,055.00	7,009.60	165.21	133.21	-147.50	2,069.78	4,073.48	2,913.18	2,813.25	99.93	29.151		
11,400.00	6,953.00	12,055.00	7,009.60	167.73	133.21	-147.50	2,069.78	4,073.48	3,013.16	2,913.24	99.92	30.154		
11,500.00	6,953.00	12,055.00	7,009.60	170.25	133.21	-147.50	2,069.78	4,073.48	3,113.14	3,013.23	99.92	31.157		
11,600.00	6,953.00	12,055.00	7,009.60	172.78	133.21	-147.50	2,069.78	4,073.48	3,213.13	3,113.21	99.91	32.159		
11,700.00	6,953.00	12,055.00	7,009.60	175.31	133.21	-147.50	2,069.78	4,073.48	3,313.11	3,213.20	99.91	33.160		
11,800.00	6,953.00	12,055.00	7,009.60	177.85	133.21	-147.50	2,069.78	4,073.48	3,413.09	3,313.18	99.91	34.160		
11,900.00	6,953.00	12,055.00	7,009.60	180.40	133.21	-147.50	2,069.78	4,073.48	3,513.08	3,413.16	99.92	35.160		
12,000.00	6,953.00	12,055.00	7,009.60	182.95	133.21	-147.50	2,069.78	4,073.48	3,613.07	3,513.14	99.92	36.159		
12,100.00	6,953.00	12,055.00	7,009.60	185.50	133.21	-147.50	2,069.78	4,073.48	3,713.05	3,613.12	99.93	37.157		
12,200.00	6,953.00	12,055.00	7,009.60	188.06	133.21	-147.50	2,069.78	4,073.48	3,813.04	3,713.10	99.94	38.154		
12,300.00	6,953.00	12,055.00	7,009.60	190.63	133.21	-147.50	2,069.78	4,073.48	3,913.03	3,813.08	99.95	39.150		
12,400.00	6,953.00	12,055.00	7,009.60	193.20	133.21	-147.50	2,069.78	4,073.48	4,013.02	3,913.06	99.96	40.145		
12,500.00	6,953.00	12,055.00	7,009.60	195.77	133.21	-147.50	2,069.78	4,073.48	4,113.01	4,013.03	99.98	41.140		
12,600.00	6,953.00	12,055.00	7,009.60	198.35	133.21	-147.50	2,069.78	4,073.48	4,213.00	4,113.01	99.99	42.134		
12,700.00	6,953.00	12,055.00	7,009.60	200.93	133.21	-147.50	2,069.78	4,073.48	4,312.99	4,212.98	100.01	43.126		
12,800.00	6,953.00	12,055.00	7,009.60	203.51	133.21	-147.50	2,069.78	4,073.48	4,412.98	4,312.95	100.03	44.118		
12,900.00	6,953.00	12,055.00	7,009.60	206.10	133.21	-147.50	2,069.78	4,073.48	4,512.97	4,412.93	100.05	45.109		
13,000.00	6,953.00	12,055.00	7,009.60	208.69	133.21	-147.50	2,069.78	4,073.48	4,612.96	4,512.90	100.07	46.099		
13,100.00	6,953.00	12,055.00	7,009.60	211.29	133.21	-147.50	2,069.78	4,073.48	4,712.95	4,612.87	100.09	47.088		
13,200.00	6,953.00	12,055.00	7,009.60	213.88	133.21	-147.50	2,069.78	4,073.48	4,812.95	4,712.84	100.11	48.077		
13,300.00	6,953.00	12,055.00	7,009.60	216.48	133.21	-147.50	2,069.78	4,073.48	4,912.94	4,812.81	100.13	49.064		
13,400.00	6,953.00	12,055.00	7,009.60	219.09	133.21	-147.50	2,069.78	4,073.48	5,012.93	4,912.77	100.16	50.050		
13,500.00	6,953.00	12,055.00	7,009.60	221.69	133.21	-147.50	2,069.78	4,073.48	5,112.93	5,012.74	100.18	51.035		
13,600.00	6,953.00	12,055.00	7,009.60	224.30	133.21	-147.50	2,069.78	4,073.48	5,212.92	5,112.71	100.21	52.020		
13,700.00	6,953.00	12,055.00	7,009.60	226.92	133.21	-147.50	2,069.78	4,073.48	5,312.91	5,212.68	100.24	53.003		
13,800.00	6,953.00	12,055.00	7,009.60	229.53	133.21	-147.50	2,069.78	4,073.48	5,412.91	5,312.64	100.27	53.985		
13,900.00	6,953.00	12,055.00	7,009.60	232.15	133.21	-147.50	2,069.78	4,073.48	5,512.90	5,412.61	100.30	54.967		
14,000.00	6,953.00	12,055.00	7,009.60	234.77	133.21	-147.50	2,069.78	4,073.48	5,612.90	5,512.57	100.33	55.947		
14,100.00	6,953.00	12,055.00	7,009.60	237.39	133.21	-147.50	2,069.78	4,073.48	5,712.89	5,612.53	100.36	56.926		
14,200.00	6,953.00	12,055.00	7,009.60	240.01	133.21	-147.50	2,069.78	4,073.48	5,812.89	5,712.50	100.39	57.904		
14,300.00	6,953.00	12,055.00	7,009.60	242.64	133.21	-147.50	2,069.78	4,073.48	5,912.88	5,812.46	100.42	58.882		
14,400.00	6,953.00	12,055.00	7,009.60	245.27	133.21	-147.50	2,069.78	4,073.48	6,012.88	5,912.42	100.45	59.858		
14,500.00	6,953.00	12,055.00	7,009.60	247.90	133.21	-147.50	2,069.78	4,073.48	6,112.87	6,012.38	100.49	60.833		
14,600.00	6,953.00	12,055.00	7,009.60	250.53	133.21	-147.50	2,069.78	4,073.48	6,212.87	6,112.35	100.52	61.807		

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-20-01
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-20-01	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		
14,700.00	6,953.00	12,055.00	7,009.60	253.16	133.21	-147.50	2,069.78	4,073.48	6,312.86	6,212.31	100.56	62.779		
14,800.00	6,953.00	12,055.00	7,009.60	255.80	133.21	-147.50	2,069.78	4,073.48	6,412.86	6,312.27	100.59	63.751		
14,900.00	6,953.00	12,055.00	7,009.60	258.43	133.21	-147.50	2,069.78	4,073.48	6,512.85	6,412.22	100.63	64.722		
15,000.00	6,953.00	12,055.00	7,009.60	261.07	133.21	-147.50	2,069.78	4,073.48	6,612.85	6,512.18	100.67	65.691		
15,100.00	6,953.00	12,055.00	7,009.60	263.71	133.21	-147.50	2,069.78	4,073.48	6,712.85	6,612.14	100.70	66.660		
15,200.00	6,953.00	12,055.00	7,009.60	266.36	133.21	-147.50	2,069.78	4,073.48	6,812.84	6,712.10	100.74	67.627		
15,300.00	6,953.00	12,055.00	7,009.60	269.00	133.21	-147.50	2,069.78	4,073.48	6,912.84	6,812.06	100.78	68.593		
15,400.00	6,953.00	12,055.00	7,009.60	271.65	133.21	-147.50	2,069.78	4,073.48	7,012.83	6,912.01	100.82	69.558		
15,500.00	6,953.00	12,055.00	7,009.60	274.29	133.21	-147.50	2,069.78	4,073.48	7,112.83	7,011.97	100.86	70.522		
15,600.00	6,953.00	12,055.00	7,009.60	276.94	133.21	-147.50	2,069.78	4,073.48	7,212.83	7,111.93	100.90	71.484		
15,700.00	6,953.00	12,055.00	7,009.60	279.59	133.21	-147.50	2,069.78	4,073.48	7,312.82	7,211.88	100.94	72.445		
15,800.00	6,953.00	12,055.00	7,009.60	282.24	133.21	-147.50	2,069.78	4,073.48	7,412.82	7,311.84	100.98	73.406		
15,900.00	6,953.00	12,055.00	7,009.60	284.90	133.21	-147.50	2,069.78	4,073.48	7,512.82	7,411.79	101.03	74.365		
16,000.00	6,953.00	12,055.00	7,009.60	287.55	133.21	-147.50	2,069.78	4,073.48	7,612.82	7,511.75	101.07	75.323		
16,100.00	6,953.00	12,055.00	7,009.60	290.20	133.21	-147.50	2,069.78	4,073.48	7,712.81	7,611.70	101.11	76.279		
16,200.00	6,953.00	12,055.00	7,009.60	292.86	133.21	-147.50	2,069.78	4,073.48	7,812.81	7,711.65	101.16	77.234		
16,300.00	6,953.00	12,055.00	7,009.60	295.52	133.21	-147.50	2,069.78	4,073.48	7,912.81	7,811.61	101.20	78.189		
16,400.00	6,953.00	12,055.00	7,009.60	298.18	133.21	-147.50	2,069.78	4,073.48	8,012.80	7,911.56	101.25	79.141		
16,500.00	6,953.00	12,055.00	7,009.60	300.84	133.21	-147.50	2,069.78	4,073.48	8,112.80	8,011.51	101.29	80.093		
16,600.00	6,953.00	12,055.00	7,009.60	303.50	133.21	-147.50	2,069.78	4,073.48	8,212.80	8,111.46	101.34	81.044		
16,700.00	6,953.00	12,055.00	7,009.60	306.16	133.21	-147.50	2,069.78	4,073.48	8,312.80	8,211.41	101.38	81.993		
16,800.00	6,953.00	12,055.00	7,009.60	308.82	133.21	-147.50	2,069.78	4,073.48	8,412.79	8,311.36	101.43	82.941		
16,900.00	6,953.00	12,055.00	7,009.60	311.49	133.21	-147.50	2,069.78	4,073.48	8,512.79	8,411.31	101.48	83.887		
17,000.00	6,953.00	12,055.00	7,009.60	314.15	133.21	-147.50	2,069.78	4,073.48	8,612.79	8,511.26	101.53	84.832		
17,100.00	6,953.00	12,055.00	7,009.60	316.82	133.21	-147.50	2,069.78	4,073.48	8,712.79	8,611.21	101.58	85.776		
17,200.00	6,953.00	12,055.00	7,009.60	319.48	133.21	-147.50	2,069.78	4,073.48	8,812.78	8,711.16	101.62	86.719		
17,300.00	6,953.00	12,055.00	7,009.60	322.15	133.21	-147.50	2,069.78	4,073.48	8,912.78	8,811.11	101.67	87.660		
17,400.00	6,953.00	12,055.00	7,009.60	324.82	133.21	-147.50	2,069.78	4,073.48	9,012.78	8,911.06	101.72	88.601		
17,500.00	6,953.00	12,055.00	7,009.60	327.49	133.21	-147.50	2,069.78	4,073.48	9,112.78	9,011.00	101.77	89.539		
17,600.00	6,953.00	12,055.00	7,009.60	330.16	133.21	-147.50	2,069.78	4,073.48	9,212.78	9,110.95	101.82	90.477		
17,700.00	6,953.00	12,055.00	7,009.60	332.83	133.21	-147.50	2,069.78	4,073.48	9,312.77	9,210.90	101.88	91.413		
17,800.00	6,953.00	12,055.00	7,009.60	335.50	133.21	-147.50	2,069.78	4,073.48	9,412.77	9,310.84	101.93	92.348		
17,900.00	6,953.00	12,055.00	7,009.60	338.17	133.21	-147.50	2,069.78	4,073.48	9,512.77	9,410.79	101.98	93.281		
18,000.00	6,953.00	12,055.00	7,009.60	340.85	133.21	-147.50	2,069.78	4,073.48	9,612.77	9,510.74	102.03	94.213		
18,100.00	6,953.00	12,055.00	7,009.60	343.52	133.21	-147.50	2,069.78	4,073.48	9,712.77	9,610.68	102.09	95.144		
18,200.00	6,953.00	12,055.00	7,009.60	346.19	133.21	-147.50	2,069.78	4,073.48	9,812.76	9,710.63	102.14	96.073		
18,300.00	6,953.00	12,055.00	7,009.60	348.87	133.21	-147.50	2,069.78	4,073.48	9,912.76	9,810.57	102.19	97.001		
18,400.00	6,953.00	12,055.00	7,009.60	351.55	133.21	-147.50	2,069.78	4,073.48	10,012.76	9,910.51	102.25	97.928		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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	-4.73	-279.59	279.63					
100.00	100.00	104.78	104.78	0.27	0.15	-91.03	-5.03	-279.81	279.86	279.44	0.41	676.811		
200.00	199.98	203.45	203.44	0.63	0.45	-154.75	-5.74	-280.45	282.09	281.01	1.08	260.960		
300.00	299.84	300.74	300.72	0.99	0.80	-155.27	-6.46	-281.70	288.15	286.35	1.80	160.435		
400.00	399.45	402.46	402.43	1.36	1.17	-156.03	-7.16	-283.15	297.54	295.01	2.53	117.800		
500.00	498.70	507.38	507.34	1.76	1.53	-157.04	-7.84	-283.08	308.70	305.44	3.26	94.775		
600.00	597.47	606.30	606.26	2.18	1.87	-158.16	-8.57	-282.23	322.39	318.42	3.97	81.123		
700.00	695.62	706.21	706.14	2.63	2.21	-158.96	-6.76	-281.17	338.98	334.28	4.70	72.174		
800.00	793.06	801.27	801.06	3.11	2.54	-159.25	-1.65	-280.85	359.17	353.76	5.41	66.353		
900.00	889.64	895.69	895.09	3.64	2.87	-159.11	6.80	-281.53	383.20	377.06	6.14	62.368		
1,000.00	985.27	985.84	984.60	4.22	3.20	-158.71	17.33	-283.43	411.41	404.53	6.88	59.803		
1,100.00	1,079.82	1,070.95	1,068.86	4.84	3.52	-158.23	28.76	-287.02	444.54	436.93	7.61	58.410		
1,200.00	1,173.17	1,159.00	1,155.80	5.52	3.86	-157.72	41.59	-292.39	482.33	473.95	8.37	57.595		
1,300.00	1,265.21	1,238.02	1,233.61	6.26	4.18	-157.24	53.87	-298.60	524.59	515.48	9.11	57.596		
1,400.00	1,355.84	1,323.43	1,317.34	7.06	4.55	-156.65	68.72	-306.64	570.98	561.08	9.91	57.645		
1,500.00	1,444.94	1,410.64	1,402.30	7.92	4.94	-155.91	86.41	-315.24	620.37	609.62	10.75	57.707		
1,600.00	1,532.39	1,496.81	1,485.87	8.84	5.34	-155.13	105.59	-323.76	672.39	660.76	11.63	57.818		
1,700.00	1,618.11	1,584.30	1,570.09	9.83	5.78	-154.23	127.60	-332.43	726.92	714.36	12.56	57.858		
1,800.00	1,701.97	1,666.00	1,648.69	10.89	6.19	-153.44	148.61	-339.91	783.43	769.94	13.48	58.108		
1,900.00	1,783.88	1,733.58	1,713.61	12.02	6.55	-152.71	166.14	-346.65	843.17	828.87	14.30	58.947		
1,991.28	1,856.86	1,789.89	1,767.47	13.11	6.86	-152.03	181.09	-353.48	901.31	886.28	15.02	59.990		
2,000.00	1,863.75	1,795.41	1,772.72	13.21	6.89	-152.03	182.63	-354.20	907.01	891.91	15.10	60.069		
2,100.00	1,942.74	1,856.00	1,829.91	14.45	7.24	-151.92	200.77	-362.58	972.94	957.05	15.89	61.229		
2,200.00	2,021.72	1,928.31	1,897.71	15.69	7.68	-151.71	223.49	-373.29	1,039.52	1,022.68	16.84	61.736		
2,300.00	2,100.71	1,998.74	1,963.85	16.95	8.11	-151.56	245.21	-383.98	1,106.41	1,088.63	17.77	62.253		
2,400.00	2,179.70	2,077.83	2,038.31	18.21	8.60	-151.46	268.96	-396.11	1,173.46	1,154.65	18.81	62.374		
2,500.00	2,258.69	2,172.65	2,127.62	19.47	9.19	-151.32	297.93	-409.38	1,239.45	1,219.40	20.05	61.815		
2,600.00	2,337.68	2,268.22	2,217.44	20.74	9.79	-151.14	328.21	-421.60	1,304.55	1,283.23	21.32	61.186		
2,700.00	2,416.66	2,368.57	2,311.83	22.02	10.43	-150.96	360.59	-432.24	1,367.82	1,345.15	22.66	60.355		
2,800.00	2,495.65	2,440.77	2,379.75	23.29	10.88	-150.83	383.89	-439.65	1,430.93	1,407.24	23.68	60.416		
2,900.00	2,574.64	2,507.38	2,442.45	24.57	11.31	-150.74	405.22	-446.87	1,494.49	1,469.84	24.64	60.647		
3,000.00	2,653.63	2,582.62	2,513.50	25.85	11.78	-150.68	428.46	-455.37	1,558.43	1,532.74	25.69	60.664		
3,100.00	2,732.62	2,659.97	2,587.23	27.14	12.25	-150.73	450.20	-463.95	1,622.33	1,595.60	26.74	60.681		
3,200.00	2,811.61	2,734.86	2,659.00	28.42	12.69	-150.83	469.94	-472.23	1,686.27	1,658.53	27.73	60.808		
3,300.00	2,890.59	2,806.09	2,727.50	29.71	13.10	-150.97	487.72	-480.22	1,750.39	1,721.72	28.67	61.056		
3,400.00	2,969.58	2,872.17	2,791.06	31.00	13.48	-151.09	504.06	-487.92	1,814.86	1,785.31	29.55	61.421		
3,500.00	3,048.57	2,943.60	2,859.57	32.29	13.90	-151.19	522.32	-496.64	1,879.72	1,849.23	30.49	61.648		
3,600.00	3,127.56	3,028.92	2,941.72	33.58	14.39	-151.35	542.92	-506.91	1,944.53	1,912.95	31.59	61.563		
3,700.00	3,206.55	3,152.62	3,060.37	34.87	15.11	-151.47	575.26	-520.24	2,008.35	1,975.21	33.14	60.595		
3,800.00	3,285.53	3,271.22	3,174.23	36.16	15.80	-151.56	606.92	-530.13	2,070.11	2,035.47	34.64	59.760		
3,900.00	3,364.52	3,398.34	3,295.99	37.45	16.54	-151.60	642.45	-538.41	2,130.46	2,094.21	36.25	58.777		
4,000.00	3,443.51	3,456.92	3,351.92	38.74	16.89	-151.59	659.49	-542.01	2,190.38	2,153.28	37.10	59.036		
4,100.00	3,522.50	3,514.91	3,407.40	40.04	17.23	-151.60	675.87	-545.93	2,250.91	2,212.97	37.94	59.325		
4,200.00	3,601.49	3,576.00	3,465.66	41.33	17.60	-151.60	693.59	-550.83	2,312.32	2,273.51	38.82	59.568		
4,300.00	3,680.47	3,642.75	3,529.30	42.63	18.01	-151.59	712.92	-556.61	2,374.26	2,334.50	39.76	59.713		
4,400.00	3,759.46	3,712.06	3,595.46	43.92	18.43	-151.59	732.65	-562.67	2,436.33	2,395.60	40.74	59.807		
4,500.00	3,838.45	3,767.00	3,647.56	45.22	18.77	-151.56	749.30	-567.82	2,498.85	2,457.30	41.55	60.146		
4,600.00	3,917.44	3,835.83	3,712.49	46.51	19.22	-151.50	771.05	-574.76	2,561.83	2,519.28	42.56	60.200		
4,700.00	3,996.43	3,939.46	3,810.50	47.81	19.88	-151.43	803.14	-584.85	2,624.51	2,580.51	44.00	59.649		
4,800.00	4,075.42	4,046.40	3,912.73	49.10	20.52	-151.45	833.20	-593.72	2,686.10	2,640.68	45.42	59.142		
4,900.00	4,154.40	4,109.10	3,972.97	50.40	20.89	-151.49	849.77	-598.97	2,747.96	2,701.68	46.29	59.368		
5,000.00	4,233.39	4,149.00	4,011.23	51.70	21.12	-151.51	860.51	-602.52	2,810.42	2,763.53	46.88	59.948		

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-20-01
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-20-01	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	4,312.38	4,198.78	4,058.96	52.99	21.42	-151.54	873.76	-607.53	2,873.72	2,826.14	47.59	60.389		
5,200.00	4,391.37	10,210.16	7,146.04	54.29	83.98	-160.31	1,723.73	2,213.75	2,809.41	2,761.04	48.37	58.079		
5,300.00	4,470.36	10,239.31	7,146.77	55.59	84.72	-160.45	1,725.30	2,242.84	2,728.49	2,679.31	49.19	55.474		
5,400.00	4,549.34	10,281.00	7,148.30	56.89	85.77	-160.65	1,727.79	2,284.43	2,648.27	2,598.27	50.00	52.966		
5,500.00	4,628.33	10,344.65	7,150.85	58.18	87.39	-160.99	1,731.27	2,347.94	2,568.31	2,517.54	50.77	50.589		
5,600.00	4,707.32	10,413.00	7,153.19	59.48	89.13	-161.42	1,733.95	2,416.19	2,487.82	2,436.34	51.49	48.320		
5,700.00	4,786.31	10,466.42	7,155.09	60.78	90.50	-161.78	1,735.93	2,469.54	2,407.45	2,355.22	52.23	46.097		
5,800.00	4,865.30	10,642.76	7,158.46	62.08	95.01	-163.36	1,736.85	2,645.80	2,326.09	2,273.74	52.34	44.438		
5,900.00	4,944.28	10,713.42	7,158.03	63.38	96.82	-164.24	1,733.74	2,716.39	2,242.69	2,189.89	52.80	42.479		
6,000.00	5,023.27	10,770.46	7,157.73	64.68	98.28	-165.04	1,730.37	2,773.33	2,159.33	2,106.05	53.28	40.527		
6,100.00	5,102.26	10,836.67	7,157.28	65.97	99.97	-166.12	1,725.08	2,839.32	2,075.86	2,022.21	53.65	38.691		
6,200.00	5,181.25	10,890.69	7,156.81	67.27	101.36	-167.11	1,719.92	2,893.09	1,992.32	1,938.24	54.08	36.837		
6,300.00	5,260.24	10,941.21	7,156.32	68.57	102.65	-168.10	1,715.48	2,943.41	1,909.00	1,854.46	54.55	34.997		
6,400.00	5,339.23	10,982.31	7,155.95	69.87	103.71	-168.92	1,712.39	2,984.39	1,826.04	1,770.93	55.12	33.131		
6,500.00	5,418.21	11,023.01	7,155.76	71.17	104.76	-169.75	1,710.18	3,025.04	1,743.67	1,687.95	55.72	31.293		
6,600.00	5,497.20	11,079.90	7,155.65	72.47	106.23	-170.95	1,708.01	3,081.89	1,661.78	1,605.57	56.20	29.567		
6,700.00	5,576.19	11,150.67	7,154.99	73.77	108.06	-172.66	1,704.24	3,152.55	1,579.68	1,523.11	56.57	27.923		
6,800.00	5,655.18	11,187.21	7,154.66	75.07	109.01	-173.58	1,703.05	3,189.07	1,497.99	1,440.63	57.36	26.117		
6,900.00	5,734.17	11,235.00	7,154.45	76.37	110.26	-174.76	1,703.22	3,236.85	1,417.04	1,358.92	58.12	24.380		
7,000.00	5,813.15	11,285.56	7,154.34	77.67	111.57	-176.05	1,704.67	3,287.39	1,336.63	1,277.66	58.97	22.667		
7,100.00	5,892.14	11,340.56	7,154.18	78.97	113.01	-177.56	1,706.66	3,342.36	1,256.57	1,196.66	59.91	20.974		
7,200.00	5,971.13	11,390.80	7,154.17	80.27	114.32	-179.04	1,709.19	3,392.53	1,177.10	1,116.01	61.09	19.267		
7,300.00	6,050.12	11,443.01	7,154.39	81.57	115.68	179.31	1,712.68	3,444.62	1,098.36	1,035.85	62.50	17.573		
7,400.00	6,129.11	11,497.57	7,154.81	82.86	117.10	177.45	1,716.99	3,499.01	1,020.33	956.10	64.23	15.885		
7,500.00	6,208.09	11,553.69	7,155.38	84.16	118.56	175.31	1,721.79	3,554.92	943.08	876.65	66.42	14.198		
7,600.00	6,287.08	11,609.87	7,155.97	85.46	120.03	172.80	1,725.71	3,610.97	866.72	797.33	69.39	12.490		
7,700.00	6,366.07	11,661.64	7,156.67	86.76	121.39	170.12	1,728.80	3,662.64	791.71	718.24	73.47	10.776		
7,800.00	6,445.06	11,714.39	7,157.82	88.06	122.77	167.05	1,732.19	3,715.26	718.62	639.68	78.94	9.103		
7,900.00	6,524.05	11,783.64	7,158.85	89.36	124.58	162.32	1,736.14	3,784.39	647.20	560.51	86.69	7.465		
8,000.00	6,603.03	11,846.91	7,158.63	90.66	126.24	157.12	1,738.94	3,847.60	577.77	480.17	97.59	5.920		
8,100.00	6,682.02	11,907.23	7,157.81	91.96	127.83	151.37	1,741.87	3,907.84	511.81	399.49	112.31	4.557		
8,133.44	6,708.44	11,925.56	7,157.50	92.40	128.31	149.46	1,742.81	3,926.14	490.86	372.69	118.16	4.154		
8,150.00	6,721.39	11,934.83	7,157.34	92.62	128.55	148.50	1,743.28	3,935.40	480.83	359.60	121.23	3.966		
8,200.00	6,758.90	11,965.18	7,156.81	93.34	129.35	145.63	1,744.83	3,965.70	452.76	321.85	130.91	3.459		
8,250.00	6,793.76	11,998.86	7,156.23	94.13	130.24	142.74	1,746.55	3,999.34	428.08	287.07	141.01	3.036		
8,300.00	6,825.72	12,035.63	7,155.60	95.00	131.20	139.82	1,748.43	4,036.05	406.81	255.58	151.23	2.690		
8,350.00	6,854.52	12,065.00	7,155.09	95.93	131.98	137.70	1,749.93	4,065.38	389.00	228.67	160.34	2.426		
8,400.00	6,879.97	12,065.00	7,155.09	96.92	131.98	137.63	1,749.93	4,065.38	377.66	212.92	164.75	2.292		
8,442.77	6,898.91	12,065.00	7,155.09	97.80	131.98	137.13	1,749.93	4,065.38	374.54	208.79	165.75	2.260 ES, SF		
8,450.00	6,901.84	12,065.00	7,155.09	97.95	131.98	137.01	1,749.93	4,065.38	374.63	208.99	165.64	2.262		
8,500.00	6,920.00	12,065.00	7,155.09	99.02	131.98	135.82	1,749.93	4,065.38	380.11	217.25	162.86	2.334		
8,550.00	6,934.28	12,065.00	7,155.09	100.12	131.98	134.02	1,749.93	4,065.38	393.73	236.74	156.99	2.508		
8,600.00	6,944.59	12,065.00	7,155.09	101.22	131.98	131.55	1,749.93	4,065.38	414.57	265.48	149.10	2.781		
8,650.00	6,950.84	12,065.00	7,155.09	102.33	131.98	128.34	1,749.93	4,065.38	441.48	301.15	140.34	3.146		
8,701.16	6,953.00	12,065.00	7,155.09	103.44	131.98	124.22	1,749.93	4,065.38	474.03	342.61	131.42	3.607		
8,800.00	6,953.00	12,065.00	7,155.09	105.59	131.98	124.22	1,749.93	4,065.38	545.85	428.92	116.93	4.668		
8,900.00	6,953.00	12,065.00	7,155.09	107.79	131.98	124.22	1,749.93	4,065.38	626.07	519.65	106.41	5.883		
9,000.00	6,953.00	12,065.00	7,155.09	110.02	131.98	124.22	1,749.93	4,065.38	711.31	612.25	99.06	7.180		
9,100.00	6,953.00	12,065.00	7,155.09	112.26	131.98	124.22	1,749.93	4,065.38	799.98	706.02	93.96	8.514		
9,200.00	6,953.00	12,065.00	7,155.09	114.52	131.98	124.22	1,749.93	4,065.38	891.05	800.64	90.40	9.857		
9,300.00	6,953.00	12,065.00	7,155.09	116.80	131.98	124.22	1,749.93	4,065.38	983.85	895.94	87.92	11.191		
9,400.00	6,953.00	12,065.00	7,155.09	119.10	131.98	124.22	1,749.93	4,065.38	1,077.95	991.77	86.18	12.509		

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-20-01
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-20-01	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		
9,500.00	6,953.00	12,065.00	7,155.09	121.42	131.98	124.22	1,749.93	4,065.38	1,173.02	1,088.06	84.96	13.807		
9,600.00	6,953.00	12,065.00	7,155.09	123.75	131.98	124.22	1,749.93	4,065.38	1,268.85	1,184.74	84.11	15.086		
9,700.00	6,953.00	12,065.00	7,155.09	126.10	131.98	124.22	1,749.93	4,065.38	1,365.27	1,281.75	83.53	16.346		
9,800.00	6,953.00	12,065.00	7,155.09	128.46	131.98	124.22	1,749.93	4,065.38	1,462.18	1,379.04	83.14	17.588		
9,900.00	6,953.00	12,065.00	7,155.09	130.84	131.98	124.22	1,749.93	4,065.38	1,559.48	1,476.59	82.89	18.814		
10,000.00	6,953.00	12,065.00	7,155.09	133.23	131.98	124.22	1,749.93	4,065.38	1,657.10	1,574.35	82.74	20.027		
10,100.00	6,953.00	12,065.00	7,155.09	135.63	131.98	124.22	1,749.93	4,065.38	1,754.99	1,672.31	82.68	21.227		
10,200.00	6,953.00	12,065.00	7,155.09	138.04	131.98	124.22	1,749.93	4,065.38	1,853.10	1,770.43	82.67	22.417		
10,300.00	6,953.00	12,065.00	7,155.09	140.46	131.98	124.22	1,749.93	4,065.38	1,951.41	1,868.71	82.70	23.597		
10,400.00	6,953.00	12,065.00	7,155.09	142.90	131.98	124.22	1,749.93	4,065.38	2,049.87	1,967.11	82.76	24.769		
10,500.00	6,953.00	12,065.00	7,155.09	145.34	131.98	124.22	1,749.93	4,065.38	2,148.48	2,065.64	82.85	25.934		
10,600.00	6,953.00	12,065.00	7,155.09	147.80	131.98	124.22	1,749.93	4,065.38	2,247.22	2,164.27	82.95	27.092		
10,700.00	6,953.00	12,065.00	7,155.09	150.26	131.98	124.22	1,749.93	4,065.38	2,346.06	2,262.99	83.06	28.244		
10,800.00	6,953.00	12,065.00	7,155.09	152.73	131.98	124.22	1,749.93	4,065.38	2,444.99	2,361.81	83.19	29.391		
10,900.00	6,953.00	12,065.00	7,155.09	155.21	131.98	124.22	1,749.93	4,065.38	2,544.01	2,460.69	83.32	30.534		
11,000.00	6,953.00	12,065.00	7,155.09	157.70	131.98	124.22	1,749.93	4,065.38	2,643.10	2,559.65	83.45	31.672		
11,100.00	6,953.00	12,065.00	7,155.09	160.20	131.98	124.22	1,749.93	4,065.38	2,742.26	2,658.67	83.59	32.806		
11,200.00	6,953.00	12,065.00	7,155.09	162.70	131.98	124.22	1,749.93	4,065.38	2,841.48	2,757.75	83.73	33.937		
11,300.00	6,953.00	12,065.00	7,155.09	165.21	131.98	124.22	1,749.93	4,065.38	2,940.75	2,856.88	83.87	35.064		
11,400.00	6,953.00	12,065.00	7,155.09	167.73	131.98	124.22	1,749.93	4,065.38	3,040.07	2,956.06	84.01	36.188		
11,500.00	6,953.00	12,065.00	7,155.09	170.25	131.98	124.22	1,749.93	4,065.38	3,139.43	3,055.28	84.14	37.310		
11,600.00	6,953.00	12,065.00	7,155.09	172.78	131.98	124.22	1,749.93	4,065.38	3,238.83	3,154.55	84.28	38.429		
11,700.00	6,953.00	12,065.00	7,155.09	175.31	131.98	124.22	1,749.93	4,065.38	3,338.26	3,253.85	84.42	39.545		
11,800.00	6,953.00	12,065.00	7,155.09	177.85	131.98	124.22	1,749.93	4,065.38	3,437.73	3,353.18	84.55	40.659		
11,900.00	6,953.00	12,065.00	7,155.09	180.40	131.98	124.22	1,749.93	4,065.38	3,537.23	3,452.55	84.68	41.770		
12,000.00	6,953.00	12,065.00	7,155.09	182.95	131.98	124.22	1,749.93	4,065.38	3,636.76	3,551.94	84.81	42.879		
12,100.00	6,953.00	12,065.00	7,155.09	185.50	131.98	124.22	1,749.93	4,065.38	3,736.31	3,651.37	84.94	43.986		
12,200.00	6,953.00	12,065.00	7,155.09	188.06	131.98	124.22	1,749.93	4,065.38	3,835.89	3,750.82	85.07	45.092		
12,300.00	6,953.00	12,065.00	7,155.09	190.63	131.98	124.22	1,749.93	4,065.38	3,935.48	3,850.29	85.19	46.195		
12,400.00	6,953.00	12,065.00	7,155.09	193.20	131.98	124.22	1,749.93	4,065.38	4,035.10	3,949.78	85.32	47.296		
12,500.00	6,953.00	12,065.00	7,155.09	195.77	131.98	124.22	1,749.93	4,065.38	4,134.73	4,049.30	85.44	48.395		
12,600.00	6,953.00	12,065.00	7,155.09	198.35	131.98	124.22	1,749.93	4,065.38	4,234.39	4,148.83	85.56	49.493		
12,700.00	6,953.00	12,065.00	7,155.09	200.93	131.98	124.22	1,749.93	4,065.38	4,334.05	4,248.38	85.67	50.588		
12,800.00	6,953.00	12,065.00	7,155.09	203.51	131.98	124.22	1,749.93	4,065.38	4,433.74	4,347.95	85.79	51.682		
12,900.00	6,953.00	12,065.00	7,155.09	206.10	131.98	124.22	1,749.93	4,065.38	4,533.43	4,447.53	85.90	52.774		
13,000.00	6,953.00	12,065.00	7,155.09	208.69	131.98	124.22	1,749.93	4,065.38	4,633.14	4,547.13	86.01	53.865		
13,100.00	6,953.00	12,065.00	7,155.09	211.29	131.98	124.22	1,749.93	4,065.38	4,732.87	4,646.74	86.13	54.953		
13,200.00	6,953.00	12,065.00	7,155.09	213.88	131.98	124.22	1,749.93	4,065.38	4,832.60	4,746.37	86.23	56.040		
13,300.00	6,953.00	12,065.00	7,155.09	216.48	131.98	124.22	1,749.93	4,065.38	4,932.35	4,846.00	86.34	57.126		
13,400.00	6,953.00	12,065.00	7,155.09	219.09	131.98	124.22	1,749.93	4,065.38	5,032.10	4,945.65	86.45	58.209		
13,500.00	6,953.00	12,065.00	7,155.09	221.69	131.98	124.22	1,749.93	4,065.38	5,131.87	5,045.31	86.55	59.292		
13,600.00	6,953.00	12,065.00	7,155.09	224.30	131.98	124.22	1,749.93	4,065.38	5,231.64	5,144.98	86.66	60.372		
13,700.00	6,953.00	12,065.00	7,155.09	226.92	131.98	124.22	1,749.93	4,065.38	5,331.42	5,244.66	86.76	61.451		
13,800.00	6,953.00	12,065.00	7,155.09	229.53	131.98	124.22	1,749.93	4,065.38	5,431.21	5,344.35	86.86	62.528		
13,900.00	6,953.00	12,065.00	7,155.09	232.15	131.98	124.22	1,749.93	4,065.38	5,531.01	5,444.05	86.96	63.604		
14,000.00	6,953.00	12,065.00	7,155.09	234.77	131.98	124.22	1,749.93	4,065.38	5,630.81	5,543.75	87.06	64.677		
14,100.00	6,953.00	12,065.00	7,155.09	237.39	131.98	124.22	1,749.93	4,065.38	5,730.62	5,643.47	87.16	65.750		
14,200.00	6,953.00	12,065.00	7,155.09	240.01	131.98	124.22	1,749.93	4,065.38	5,830.44	5,743.19	87.26	66.821		
14,300.00	6,953.00	12,065.00	7,155.09	242.64	131.98	124.22	1,749.93	4,065.38	5,930.27	5,842.91	87.35	67.890		
14,400.00	6,953.00	12,065.00	7,155.09	245.27	131.98	124.22	1,749.93	4,065.38	6,030.10	5,942.65	87.45	68.957		
14,500.00	6,953.00	12,065.00	7,155.09	247.90	131.98	124.22	1,749.93	4,065.38	6,129.93	6,042.39	87.54	70.023		
14,600.00	6,953.00	12,065.00	7,155.09	250.53	131.98	124.22	1,749.93	4,065.38	6,229.77	6,142.14	87.64	71.087		

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-20-01
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-20-01	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		
14,700.00	6,953.00	12,065.00	7,155.09	253.16	131.98	124.22	1,749.93	4,065.38	6,329.62	6,241.89	87.73	72.150		
14,800.00	6,953.00	12,065.00	7,155.09	255.80	131.98	124.22	1,749.93	4,065.38	6,429.47	6,341.65	87.82	73.211		
14,900.00	6,953.00	12,065.00	7,155.09	258.43	131.98	124.22	1,749.93	4,065.38	6,529.32	6,441.41	87.91	74.271		
15,000.00	6,953.00	12,065.00	7,155.09	261.07	131.98	124.22	1,749.93	4,065.38	6,629.18	6,541.18	88.00	75.328		
15,100.00	6,953.00	12,065.00	7,155.09	263.71	131.98	124.22	1,749.93	4,065.38	6,729.05	6,640.95	88.09	76.385		
15,200.00	6,953.00	12,065.00	7,155.09	266.36	131.98	124.22	1,749.93	4,065.38	6,828.91	6,740.73	88.18	77.439		
15,300.00	6,953.00	12,065.00	7,155.09	269.00	131.98	124.22	1,749.93	4,065.38	6,928.79	6,840.51	88.27	78.492		
15,400.00	6,953.00	12,065.00	7,155.09	271.65	131.98	124.22	1,749.93	4,065.38	7,028.66	6,940.30	88.36	79.543		
15,500.00	6,953.00	12,065.00	7,155.09	274.29	131.98	124.22	1,749.93	4,065.38	7,128.54	7,040.09	88.45	80.593		
15,600.00	6,953.00	12,065.00	7,155.09	276.94	131.98	124.22	1,749.93	4,065.38	7,228.42	7,139.88	88.54	81.641		
15,700.00	6,953.00	12,065.00	7,155.09	279.59	131.98	124.22	1,749.93	4,065.38	7,328.31	7,239.68	88.63	82.687		
15,800.00	6,953.00	12,065.00	7,155.09	282.24	131.98	124.22	1,749.93	4,065.38	7,428.19	7,339.48	88.71	83.732		
15,900.00	6,953.00	12,065.00	7,155.09	284.90	131.98	124.22	1,749.93	4,065.38	7,528.09	7,439.29	88.80	84.775		
16,000.00	6,953.00	12,065.00	7,155.09	287.55	131.98	124.22	1,749.93	4,065.38	7,627.98	7,539.09	88.89	85.816		
16,100.00	6,953.00	12,065.00	7,155.09	290.20	131.98	124.22	1,749.93	4,065.38	7,727.88	7,638.90	88.97	86.855		
16,200.00	6,953.00	12,065.00	7,155.09	292.86	131.98	124.22	1,749.93	4,065.38	7,827.78	7,738.72	89.06	87.893		
16,300.00	6,953.00	12,065.00	7,155.09	295.52	131.98	124.22	1,749.93	4,065.38	7,927.68	7,838.53	89.15	88.930		
16,400.00	6,953.00	12,065.00	7,155.09	298.18	131.98	124.22	1,749.93	4,065.38	8,027.58	7,938.35	89.23	89.964		
16,500.00	6,953.00	12,065.00	7,155.09	300.84	131.98	124.22	1,749.93	4,065.38	8,127.49	8,038.17	89.32	90.997		
16,600.00	6,953.00	12,065.00	7,155.09	303.50	131.98	124.22	1,749.93	4,065.38	8,227.40	8,138.00	89.40	92.028		
16,700.00	6,953.00	12,065.00	7,155.09	306.16	131.98	124.22	1,749.93	4,065.38	8,327.31	8,237.82	89.49	93.057		
16,800.00	6,953.00	12,065.00	7,155.09	308.82	131.98	124.22	1,749.93	4,065.38	8,427.22	8,337.65	89.57	94.085		
16,900.00	6,953.00	12,065.00	7,155.09	311.49	131.98	124.22	1,749.93	4,065.38	8,527.14	8,437.48	89.65	95.111		
17,000.00	6,953.00	12,065.00	7,155.09	314.15	131.98	124.22	1,749.93	4,065.38	8,627.06	8,537.32	89.74	96.135		
17,100.00	6,953.00	12,065.00	7,155.09	316.82	131.98	124.22	1,749.93	4,065.38	8,726.98	8,637.15	89.82	97.157		
17,200.00	6,953.00	12,065.00	7,155.09	319.48	131.98	124.22	1,749.93	4,065.38	8,826.90	8,736.99	89.91	98.178		
17,300.00	6,953.00	12,065.00	7,155.09	322.15	131.98	124.22	1,749.93	4,065.38	8,926.82	8,836.83	89.99	99.197		
17,400.00	6,953.00	12,065.00	7,155.09	324.82	131.98	124.22	1,749.93	4,065.38	9,026.74	8,936.67	90.07	100.214		
17,500.00	6,953.00	12,065.00	7,155.09	327.49	131.98	124.22	1,749.93	4,065.38	9,126.67	9,036.51	90.16	101.229		
17,600.00	6,953.00	12,065.00	7,155.09	330.16	131.98	124.22	1,749.93	4,065.38	9,226.60	9,136.36	90.24	102.243		
17,700.00	6,953.00	12,065.00	7,155.09	332.83	131.98	124.22	1,749.93	4,065.38	9,326.53	9,236.20	90.33	103.255		
17,800.00	6,953.00	12,065.00	7,155.09	335.50	131.98	124.22	1,749.93	4,065.38	9,426.46	9,336.05	90.41	104.265		
17,900.00	6,953.00	12,065.00	7,155.09	338.17	131.98	124.22	1,749.93	4,065.38	9,526.39	9,435.90	90.49	105.273		
18,000.00	6,953.00	12,065.00	7,155.09	340.85	131.98	124.22	1,749.93	4,065.38	9,626.32	9,535.75	90.58	106.280		
18,100.00	6,953.00	12,065.00	7,155.09	343.52	131.98	124.22	1,749.93	4,065.38	9,726.26	9,635.60	90.66	107.284		
18,200.00	6,953.00	12,065.00	7,155.09	346.19	131.98	124.22	1,749.93	4,065.38	9,826.20	9,735.45	90.74	108.287		
18,300.00	6,953.00	12,065.00	7,155.09	348.87	131.98	124.22	1,749.93	4,065.38	9,926.13	9,835.31	90.83	109.288		
18,400.00	6,953.00	12,065.00	7,155.09	351.55	131.98	124.22	1,749.93	4,065.38	10,026.07	9,935.16	90.91	110.287		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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	6.04	6.04	0.00	0.01	-90.97	-4.37	-259.52	259.55					
100.00	100.00	106.75	106.75	0.27	0.15	-90.95	-4.29	-259.36	259.40	258.98	0.42	623.774		
110.02	110.02	116.84	116.84	0.30	0.16	-154.39	-4.27	-259.33	259.39	258.92	0.47	557.242	CC, ES	
200.00	199.98	205.50	205.50	0.63	0.45	-154.54	-4.28	-259.25	260.86	259.78	1.08	242.276		
300.00	299.84	305.38	305.38	0.99	0.80	-154.95	-4.14	-259.46	265.80	264.02	1.79	148.780		
400.00	399.45	401.45	401.44	1.36	1.14	-155.41	-3.13	-260.28	274.53	272.04	2.50	109.983		
500.00	498.70	499.70	499.66	1.76	1.49	-155.99	-1.61	-261.92	287.25	284.03	3.22	89.275		
600.00	597.47	596.67	596.60	2.18	1.83	-156.68	0.18	-264.01	303.63	299.69	3.94	77.038		
700.00	695.62	696.31	696.20	2.63	2.19	-157.64	1.43	-265.98	323.12	318.44	4.68	69.078		
800.00	793.06	791.11	790.98	3.11	2.53	-158.75	1.88	-268.07	346.18	340.78	5.40	64.076		
900.00	889.64	893.81	893.67	3.64	2.89	-160.07	1.91	-269.46	371.81	365.65	6.16	60.387		
1,000.00	985.27	991.58	991.42	4.22	3.24	-161.07	3.71	-269.86	399.65	392.75	6.90	57.902		
1,100.00	1,079.82	1,085.94	1,085.60	4.84	3.58	-161.46	9.32	-270.85	430.78	423.13	7.65	56.326		
1,200.00	1,173.17	1,181.28	1,180.43	5.52	3.92	-161.38	19.08	-272.10	464.66	456.24	8.42	55.204		
1,300.00	1,265.21	1,267.92	1,266.26	6.26	4.25	-161.01	30.59	-274.34	502.34	493.17	9.17	54.788		
1,400.00	1,355.84	1,356.26	1,353.36	7.06	4.59	-160.42	44.93	-277.69	543.73	533.78	9.95	54.624		
1,500.00	1,444.94	1,434.76	1,430.41	7.92	4.91	-159.75	59.34	-281.91	589.22	578.52	10.71	55.022		
1,600.00	1,532.39	1,508.02	1,501.98	8.84	5.22	-159.04	73.91	-287.48	639.35	627.90	11.45	55.832		
1,700.00	1,618.11	1,586.16	1,577.93	9.83	5.57	-158.25	90.70	-295.04	693.80	681.55	12.25	56.628		
1,800.00	1,701.97	1,666.00	1,655.40	10.89	5.94	-157.51	108.30	-302.91	751.07	737.98	13.09	57.389		
1,900.00	1,783.88	1,732.73	1,720.02	12.02	6.25	-156.82	123.27	-310.17	811.73	797.89	13.84	58.652		
1,991.28	1,856.86	1,792.60	1,777.84	13.11	6.54	-156.20	136.85	-317.72	870.47	855.94	14.53	59.910		
2,000.00	1,863.75	1,798.56	1,783.60	13.21	6.57	-156.20	138.19	-318.51	876.22	861.62	14.60	60.005		
2,100.00	1,942.74	1,867.00	1,849.65	14.45	6.91	-156.24	153.53	-327.75	942.40	927.01	15.38	61.256		
2,200.00	2,021.72	1,938.22	1,918.49	15.69	7.27	-156.32	168.86	-337.66	1,008.95	992.76	16.20	62.290		
2,300.00	2,100.71	2,008.07	1,986.12	16.95	7.62	-156.43	183.28	-347.55	1,075.80	1,058.80	17.00	63.283		
2,400.00	2,179.70	2,090.46	2,065.86	18.21	8.04	-156.54	200.30	-359.37	1,142.79	1,124.85	17.94	63.718		
2,500.00	2,258.69	2,195.10	2,166.78	19.47	8.58	-156.52	224.45	-372.76	1,208.38	1,189.26	19.12	63.186		
2,600.00	2,337.68	2,284.69	2,252.59	20.74	9.07	-156.34	248.19	-382.75	1,272.34	1,252.14	20.20	62.978		
2,700.00	2,416.66	2,357.89	2,322.59	22.02	9.48	-156.18	268.00	-390.84	1,336.21	1,315.08	21.13	63.242		
2,800.00	2,495.65	2,429.00	2,390.53	23.29	9.88	-156.03	287.29	-399.13	1,400.52	1,378.48	22.04	63.546		
2,900.00	2,574.64	2,493.25	2,451.83	24.57	10.25	-155.90	304.84	-407.03	1,465.30	1,442.42	22.88	64.032		
3,000.00	2,653.63	2,563.89	2,519.20	25.85	10.65	-155.77	324.08	-416.04	1,530.46	1,506.66	23.80	64.308		
3,100.00	2,732.62	2,635.00	2,587.40	27.14	11.06	-155.71	342.06	-425.11	1,595.81	1,571.10	24.71	64.587		
3,200.00	2,811.61	2,699.86	2,649.92	28.42	11.41	-155.73	357.13	-433.55	1,661.53	1,636.00	25.53	65.087		
3,300.00	2,890.59	2,792.56	2,739.63	29.71	11.91	-155.81	377.22	-445.43	1,727.28	1,700.64	26.64	64.849		
3,400.00	2,969.58	2,869.02	2,813.79	31.00	12.32	-155.90	393.44	-454.53	1,792.36	1,764.79	27.56	65.031		
3,500.00	3,048.57	2,981.87	2,923.33	32.29	12.91	-156.01	417.30	-467.45	1,857.26	1,828.38	28.87	64.323		
3,600.00	3,127.56	3,096.42	3,034.59	33.58	13.51	-156.10	442.50	-477.79	1,920.01	1,889.81	30.20	63.568		
3,700.00	3,206.55	3,148.99	3,085.67	34.87	13.79	-156.14	454.00	-482.39	1,982.64	1,951.75	30.89	64.183		
3,800.00	3,285.53	3,205.26	3,140.30	36.16	14.08	-156.18	466.27	-488.11	2,046.30	2,014.69	31.61	64.730		
3,900.00	3,364.52	3,290.00	3,222.29	37.45	14.54	-156.19	485.88	-496.62	2,109.74	2,077.09	32.66	64.604		
4,000.00	3,443.51	3,356.35	3,286.52	38.74	14.90	-156.21	501.13	-503.31	2,173.32	2,139.82	33.50	64.882		
4,100.00	3,522.50	3,470.56	3,397.49	40.04	15.50	-156.30	525.42	-514.98	2,237.30	2,202.47	34.84	64.225		
4,200.00	3,601.49	3,558.81	3,482.85	41.33	15.98	-156.29	546.39	-522.79	2,299.79	2,263.86	35.93	64.005		
4,300.00	3,680.47	3,628.27	3,549.50	42.63	16.38	-156.23	564.89	-529.20	2,362.29	2,325.44	36.85	64.099		
4,400.00	3,759.46	3,693.13	3,611.58	43.92	16.75	-156.15	582.54	-535.56	2,425.19	2,387.46	37.73	64.272		
4,500.00	3,838.45	3,755.99	3,671.65	45.22	17.13	-156.08	599.90	-542.12	2,488.54	2,449.94	38.59	64.479		
4,600.00	3,917.44	3,818.88	3,731.64	46.51	17.50	-156.00	617.42	-549.07	2,552.33	2,512.87	39.46	64.681		
4,700.00	3,996.43	3,881.86	3,791.69	47.81	17.88	-155.92	634.94	-556.37	2,616.54	2,576.22	40.33	64.884		
4,800.00	4,075.42	3,945.60	3,852.58	49.10	18.26	-155.85	652.18	-564.01	2,681.14	2,639.94	41.20	65.082		
4,900.00	4,154.40	4,037.66	3,941.04	50.40	18.79	-155.82	675.22	-574.86	2,745.78	2,703.40	42.38	64.794		

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-20-01
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-20-01	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	4,233.39	4,120.56	4,021.43	51.70	19.23	-155.87	693.34	-583.85	2,809.99	2,766.59	43.40	64.747		
5,100.00	4,312.38	10,034.13	7,054.80	52.99	82.68	-170.54	1,407.31	2,221.73	2,751.39	2,708.29	43.11	63.829		
5,200.00	4,391.37	10,067.42	7,055.21	54.29	83.53	-170.93	1,407.31	2,255.02	2,670.72	2,626.93	43.79	60.986		
5,300.00	4,470.36	10,104.42	7,055.99	55.59	84.47	-171.39	1,407.08	2,292.01	2,590.66	2,546.17	44.49	58.225		
5,400.00	4,549.34	10,148.34	7,057.17	56.89	85.59	-171.95	1,406.89	2,335.91	2,511.10	2,465.89	45.21	55.542		
5,500.00	4,628.33	10,195.00	7,058.64	58.18	86.78	-172.57	1,406.91	2,382.55	2,432.00	2,386.05	45.94	52.934		
5,600.00	4,707.32	10,251.31	7,060.49	59.48	88.22	-173.34	1,407.33	2,438.83	2,353.21	2,306.52	46.69	50.401		
5,700.00	4,786.31	10,306.87	7,062.33	60.78	89.65	-174.13	1,408.16	2,494.35	2,274.66	2,227.20	47.46	47.925		
5,800.00	4,865.30	10,361.53	7,064.21	62.08	91.05	-174.95	1,409.26	2,548.97	2,196.41	2,148.14	48.27	45.502		
5,900.00	4,944.28	10,443.01	7,066.73	63.38	93.15	-176.28	1,410.08	2,630.39	2,118.22	2,069.14	49.08	43.160		
6,000.00	5,023.27	10,620.18	7,065.24	64.68	97.72	-179.82	1,407.42	2,807.50	2,037.55	1,987.64	49.91	40.825		
6,100.00	5,102.26	10,662.00	7,063.73	65.97	98.80	179.25	1,407.25	2,849.29	1,956.34	1,905.40	50.94	38.405		
6,200.00	5,181.25	10,709.14	7,062.21	67.27	100.02	178.14	1,407.15	2,896.40	1,875.68	1,823.60	52.08	36.013		
6,300.00	5,260.24	10,758.00	7,061.23	68.57	101.29	176.92	1,406.95	2,945.26	1,796.04	1,742.67	53.37	33.651		
6,400.00	5,339.23	10,792.72	7,060.75	69.87	102.19	176.01	1,406.83	2,979.98	1,717.15	1,662.34	54.81	31.326		
6,500.00	5,418.21	10,845.53	7,060.05	71.17	103.57	174.55	1,406.88	3,032.78	1,638.94	1,582.45	56.49	29.014		
6,600.00	5,497.20	10,902.54	7,059.30	72.47	105.05	172.88	1,407.24	3,089.79	1,561.33	1,502.89	58.44	26.718		
6,700.00	5,576.19	10,949.00	7,058.60	73.77	106.26	171.43	1,407.78	3,136.23	1,484.34	1,423.67	60.67	24.467		
6,800.00	5,655.18	10,999.60	7,058.07	75.07	107.58	169.75	1,408.57	3,186.82	1,408.36	1,345.08	63.29	22.254		
6,900.00	5,734.17	11,044.00	7,058.03	76.37	108.74	168.20	1,409.38	3,231.22	1,333.82	1,267.51	66.31	20.114		
7,000.00	5,813.15	11,098.00	7,058.17	77.67	110.15	166.16	1,410.04	3,285.21	1,260.63	1,190.64	69.99	18.010		
7,100.00	5,892.14	11,152.99	7,058.19	78.97	111.59	163.88	1,409.91	3,340.20	1,188.83	1,114.37	74.46	15.967		
7,200.00	5,971.13	11,211.22	7,058.00	80.27	113.11	161.25	1,409.38	3,398.43	1,118.57	1,038.69	79.88	14.003		
7,300.00	6,050.12	11,266.53	7,057.62	81.57	114.56	158.56	1,408.73	3,453.73	1,050.19	963.89	86.30	12.169		
7,400.00	6,129.11	11,320.20	7,057.24	82.86	115.97	155.76	1,408.03	3,507.40	984.26	890.41	93.85	10.487		
7,500.00	6,208.09	11,377.27	7,056.77	84.16	117.47	152.57	1,407.33	3,564.46	921.25	818.41	102.84	8.958		
7,600.00	6,287.08	11,435.66	7,056.09	85.46	119.00	149.09	1,406.79	3,622.85	861.64	748.30	113.34	7.602		
7,700.00	6,366.07	11,498.38	7,054.99	86.76	120.65	145.12	1,406.65	3,685.55	805.99	680.42	125.57	6.419		
7,800.00	6,445.06	11,560.52	7,053.42	88.06	122.28	140.94	1,407.07	3,747.67	755.10	615.82	139.28	5.421		
7,900.00	6,524.05	11,621.68	7,051.32	89.36	123.89	136.60	1,407.97	3,808.79	710.09	555.85	154.23	4.604		
8,000.00	6,603.03	11,682.17	7,050.15	90.66	124.96	133.63	1,408.52	3,849.26	673.08	504.55	168.53	3.994		
8,100.00	6,682.02	11,712.00	7,049.53	91.96	126.27	129.89	1,408.83	3,899.08	646.00	462.91	183.09	3.528		
8,133.44	6,708.44	11,724.13	7,049.51	92.40	126.59	128.98	1,408.87	3,911.22	639.26	451.93	187.34	3.412		
8,150.00	6,721.39	11,734.65	7,049.51	92.62	126.87	127.38	1,408.96	3,921.74	636.39	446.68	189.70	3.355		
8,200.00	6,758.90	11,769.69	7,049.68	93.34	127.79	122.73	1,409.49	3,956.76	629.48	432.99	196.49	3.204		
8,250.00	6,793.76	11,809.46	7,050.17	94.13	128.84	118.33	1,410.58	3,996.52	624.86	422.14	202.72	3.082		
8,300.00	6,825.72	11,846.78	7,050.76	95.00	129.83	114.56	1,411.83	4,033.81	622.16	414.27	207.88	2.993		
8,350.00	6,854.52	11,887.15	7,051.40	95.93	130.89	111.06	1,413.17	4,074.16	621.01	408.52	212.49	2.923		
8,377.47	6,868.93	11,910.39	7,051.77	96.47	131.51	109.28	1,413.95	4,097.38	620.88	406.06	214.81	2.890		
8,400.00	6,879.97	11,929.94	7,052.08	96.92	132.02	107.89	1,414.60	4,116.92	620.95	404.35	216.60	2.867 SF		
8,450.00	6,901.84	11,930.00	7,052.08	97.95	132.03	106.78	1,414.60	4,116.98	623.13	407.13	215.99	2.885		
8,500.00	6,920.00	11,930.00	7,052.08	99.02	132.03	105.51	1,414.60	4,116.98	628.95	415.15	213.80	2.942		
8,550.00	6,934.28	11,930.00	7,052.08	100.12	132.03	104.05	1,414.60	4,116.98	638.29	428.11	210.18	3.037		
8,600.00	6,944.59	11,930.00	7,052.08	101.22	132.03	102.39	1,414.60	4,116.98	650.92	445.59	205.33	3.170		
8,650.00	6,950.84	11,930.00	7,052.08	102.33	132.03	100.55	1,414.60	4,116.98	666.56	467.06	199.49	3.341		
8,701.16	6,953.00	11,930.00	7,052.08	103.44	132.03	98.49	1,414.60	4,116.98	685.34	492.56	192.78	3.555		
8,800.00	6,953.00	11,930.00	7,052.08	105.59	132.03	98.49	1,414.60	4,116.98	729.80	550.87	178.94	4.079		
8,900.00	6,953.00	11,930.00	7,052.08	107.79	132.03	98.49	1,414.60	4,116.98	784.95	619.89	165.06	4.756		
9,000.00	6,953.00	11,930.00	7,052.08	110.02	132.03	98.49	1,414.60	4,116.98	848.35	696.18	152.17	5.575		
9,100.00	6,953.00	11,930.00	7,052.08	112.26	132.03	98.49	1,414.60	4,116.98	918.28	777.61	140.67	6.528		
9,200.00	6,953.00	11,930.00	7,052.08	114.52	132.03	98.49	1,414.60	4,116.98	993.37	862.69	130.67	7.602		
9,300.00	6,953.00	11,930.00	7,052.08	116.80	132.03	98.49	1,414.60	4,116.98	1,072.53	950.40	122.13	8.782		

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-20-01
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-20-01	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		
9,400.00	6,953.00	11,930.00	7,052.08	119.10	132.03	98.49	1,414.60	4,116.98	1,154.93	1,040.04	114.88	10.053		
9,500.00	6,953.00	11,930.00	7,052.08	121.42	132.03	98.49	1,414.60	4,116.98	1,239.92	1,131.14	108.78	11.399		
9,600.00	6,953.00	11,930.00	7,052.08	123.75	132.03	98.49	1,414.60	4,116.98	1,327.00	1,223.37	103.64	12.804		
9,700.00	6,953.00	11,930.00	7,052.08	126.10	132.03	98.49	1,414.60	4,116.98	1,415.80	1,316.48	99.31	14.256		
9,800.00	6,953.00	11,930.00	7,052.08	128.46	132.03	98.49	1,414.60	4,116.98	1,506.00	1,410.32	95.67	15.741		
9,900.00	6,953.00	11,930.00	7,052.08	130.84	132.03	98.49	1,414.60	4,116.98	1,597.36	1,504.76	92.60	17.250		
10,000.00	6,953.00	11,930.00	7,052.08	133.23	132.03	98.49	1,414.60	4,116.98	1,689.71	1,599.70	90.00	18.774		
10,100.00	6,953.00	11,930.00	7,052.08	135.63	132.03	98.49	1,414.60	4,116.98	1,782.88	1,695.08	87.80	20.306		
10,200.00	6,953.00	11,930.00	7,052.08	138.04	132.03	98.49	1,414.60	4,116.98	1,876.75	1,790.82	85.93	21.841		
10,300.00	6,953.00	11,930.00	7,052.08	140.46	132.03	98.49	1,414.60	4,116.98	1,971.23	1,886.89	84.34	23.373		
10,400.00	6,953.00	11,930.00	7,052.08	142.90	132.03	98.49	1,414.60	4,116.98	2,066.22	1,983.24	82.98	24.900		
10,500.00	6,953.00	11,930.00	7,052.08	145.34	132.03	98.49	1,414.60	4,116.98	2,161.67	2,079.85	81.82	26.419		
10,600.00	6,953.00	11,930.00	7,052.08	147.80	132.03	98.49	1,414.60	4,116.98	2,257.51	2,176.68	80.83	27.929		
10,700.00	6,953.00	11,930.00	7,052.08	150.26	132.03	98.49	1,414.60	4,116.98	2,353.70	2,273.72	79.98	29.428		
10,800.00	6,953.00	11,930.00	7,052.08	152.73	132.03	98.49	1,414.60	4,116.98	2,450.19	2,370.94	79.25	30.915		
10,900.00	6,953.00	11,930.00	7,052.08	155.21	132.03	98.49	1,414.60	4,116.98	2,546.95	2,468.32	78.63	32.390		
11,000.00	6,953.00	11,930.00	7,052.08	157.70	132.03	98.49	1,414.60	4,116.98	2,643.96	2,565.86	78.10	33.853		
11,100.00	6,953.00	11,930.00	7,052.08	160.20	132.03	98.49	1,414.60	4,116.98	2,741.18	2,663.53	77.65	35.304		
11,200.00	6,953.00	11,930.00	7,052.08	162.70	132.03	98.49	1,414.60	4,116.98	2,838.59	2,761.33	77.26	36.742		
11,300.00	6,953.00	11,930.00	7,052.08	165.21	132.03	98.49	1,414.60	4,116.98	2,936.18	2,859.25	76.93	38.168		
11,400.00	6,953.00	11,930.00	7,052.08	167.73	132.03	98.49	1,414.60	4,116.98	3,033.92	2,957.27	76.65	39.583		
11,500.00	6,953.00	11,930.00	7,052.08	170.25	132.03	98.49	1,414.60	4,116.98	3,131.81	3,055.40	76.41	40.987		
11,600.00	6,953.00	11,930.00	7,052.08	172.78	132.03	98.49	1,414.60	4,116.98	3,229.82	3,153.61	76.21	42.379		
11,700.00	6,953.00	11,930.00	7,052.08	175.31	132.03	98.49	1,414.60	4,116.98	3,327.96	3,251.91	76.05	43.761		
11,800.00	6,953.00	11,930.00	7,052.08	177.85	132.03	98.49	1,414.60	4,116.98	3,426.20	3,350.29	75.91	45.133		
11,900.00	6,953.00	11,930.00	7,052.08	180.40	132.03	98.49	1,414.60	4,116.98	3,524.54	3,448.74	75.80	46.496		
12,000.00	6,953.00	11,930.00	7,052.08	182.95	132.03	98.49	1,414.60	4,116.98	3,622.97	3,547.26	75.72	47.849		
12,100.00	6,953.00	11,930.00	7,052.08	185.50	132.03	98.49	1,414.60	4,116.98	3,721.49	3,645.84	75.65	49.194		
12,200.00	6,953.00	11,930.00	7,052.08	188.06	132.03	98.49	1,414.60	4,116.98	3,820.08	3,744.48	75.60	50.530		
12,300.00	6,953.00	11,930.00	7,052.08	190.63	132.03	98.49	1,414.60	4,116.98	3,918.74	3,843.18	75.57	51.858		
12,400.00	6,953.00	11,930.00	7,052.08	193.20	132.03	98.49	1,414.60	4,116.98	4,017.47	3,941.93	75.55	53.179		
12,500.00	6,953.00	11,930.00	7,052.08	195.77	132.03	98.49	1,414.60	4,116.98	4,116.26	4,040.72	75.54	54.492		
12,600.00	6,953.00	11,930.00	7,052.08	198.35	132.03	98.49	1,414.60	4,116.98	4,215.11	4,139.57	75.54	55.798		
12,700.00	6,953.00	11,930.00	7,052.08	200.93	132.03	98.49	1,414.60	4,116.98	4,314.01	4,238.46	75.56	57.097		
12,800.00	6,953.00	11,930.00	7,052.08	203.51	132.03	98.49	1,414.60	4,116.98	4,412.96	4,337.39	75.58	58.390		
12,900.00	6,953.00	11,930.00	7,052.08	206.10	132.03	98.49	1,414.60	4,116.98	4,511.96	4,436.35	75.61	59.677		
13,000.00	6,953.00	11,930.00	7,052.08	208.69	132.03	98.49	1,414.60	4,116.98	4,611.00	4,535.36	75.64	60.958		
13,100.00	6,953.00	11,930.00	7,052.08	211.29	132.03	98.49	1,414.60	4,116.98	4,710.08	4,634.40	75.69	62.233		
13,200.00	6,953.00	11,930.00	7,052.08	213.88	132.03	98.49	1,414.60	4,116.98	4,809.20	4,733.47	75.73	63.502		
13,300.00	6,953.00	11,930.00	7,052.08	216.48	132.03	98.49	1,414.60	4,116.98	4,908.36	4,832.57	75.79	64.766		
13,400.00	6,953.00	11,930.00	7,052.08	219.09	132.03	98.49	1,414.60	4,116.98	5,007.54	4,931.70	75.84	66.025		
13,500.00	6,953.00	11,930.00	7,052.08	221.69	132.03	98.49	1,414.60	4,116.98	5,106.76	5,030.86	75.90	67.280		
13,600.00	6,953.00	11,930.00	7,052.08	224.30	132.03	98.49	1,414.60	4,116.98	5,206.01	5,130.05	75.97	68.529		
13,700.00	6,953.00	11,930.00	7,052.08	226.92	132.03	98.49	1,414.60	4,116.98	5,305.29	5,229.26	76.04	69.774		
13,800.00	6,953.00	11,930.00	7,052.08	229.53	132.03	98.49	1,414.60	4,116.98	5,404.60	5,328.49	76.11	71.014		
13,900.00	6,953.00	11,930.00	7,052.08	232.15	132.03	98.49	1,414.60	4,116.98	5,503.93	5,427.75	76.18	72.249		
14,000.00	6,953.00	11,930.00	7,052.08	234.77	132.03	98.49	1,414.60	4,116.98	5,603.28	5,527.03	76.25	73.481		
14,100.00	6,953.00	11,930.00	7,052.08	237.39	132.03	98.49	1,414.60	4,116.98	5,702.66	5,626.32	76.33	74.708		
14,200.00	6,953.00	11,930.00	7,052.08	240.01	132.03	98.49	1,414.60	4,116.98	5,802.05	5,725.64	76.41	75.931		
14,300.00	6,953.00	11,930.00	7,052.08	242.64	132.03	98.49	1,414.60	4,116.98	5,901.47	5,824.98	76.49	77.151		
14,400.00	6,953.00	11,930.00	7,052.08	245.27	132.03	98.49	1,414.60	4,116.98	6,000.91	5,924.33	76.58	78.366		
14,500.00	6,953.00	11,930.00	7,052.08	247.90	132.03	98.49	1,414.60	4,116.98	6,100.36	6,023.71	76.66	79.578		

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-20-01
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-20-01	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	6,953.00	11,930.00	7,052.08	250.53	132.03	98.49	1,414.60	4,116.98	6,199.84	6,123.09	76.74	80.786		
14,700.00	6,953.00	11,930.00	7,052.08	253.16	132.03	98.49	1,414.60	4,116.98	6,299.33	6,222.50	76.83	81.990		
14,800.00	6,953.00	11,930.00	7,052.08	255.80	132.03	98.49	1,414.60	4,116.98	6,398.83	6,321.92	76.92	83.191		
14,900.00	6,953.00	11,930.00	7,052.08	258.43	132.03	98.49	1,414.60	4,116.98	6,498.35	6,421.35	77.01	84.388		
15,000.00	6,953.00	11,930.00	7,052.08	261.07	132.03	98.49	1,414.60	4,116.98	6,597.89	6,520.80	77.09	85.582		
15,100.00	6,953.00	11,930.00	7,052.08	263.71	132.03	98.49	1,414.60	4,116.98	6,697.44	6,620.26	77.18	86.772		
15,200.00	6,953.00	11,930.00	7,052.08	266.36	132.03	98.49	1,414.60	4,116.98	6,797.00	6,719.73	77.27	87.959		
15,300.00	6,953.00	11,930.00	7,052.08	269.00	132.03	98.49	1,414.60	4,116.98	6,896.58	6,819.21	77.37	89.143		
15,400.00	6,953.00	11,930.00	7,052.08	271.65	132.03	98.49	1,414.60	4,116.98	6,996.16	6,918.71	77.46	90.323		
15,500.00	6,953.00	11,930.00	7,052.08	274.29	132.03	98.49	1,414.60	4,116.98	7,095.76	7,018.21	77.55	91.500		
15,600.00	6,953.00	11,930.00	7,052.08	276.94	132.03	98.49	1,414.60	4,116.98	7,195.37	7,117.73	77.64	92.674		
15,700.00	6,953.00	11,930.00	7,052.08	279.59	132.03	98.49	1,414.60	4,116.98	7,294.99	7,217.26	77.73	93.845		
15,800.00	6,953.00	11,930.00	7,052.08	282.24	132.03	98.49	1,414.60	4,116.98	7,394.63	7,316.80	77.83	95.013		
15,900.00	6,953.00	11,930.00	7,052.08	284.90	132.03	98.49	1,414.60	4,116.98	7,494.27	7,416.35	77.92	96.178		
16,000.00	6,953.00	11,930.00	7,052.08	287.55	132.03	98.49	1,414.60	4,116.98	7,593.92	7,515.90	78.01	97.340		
16,100.00	6,953.00	11,930.00	7,052.08	290.20	132.03	98.49	1,414.60	4,116.98	7,693.58	7,615.47	78.11	98.498		
16,200.00	6,953.00	11,930.00	7,052.08	292.86	132.03	98.49	1,414.60	4,116.98	7,793.24	7,715.04	78.20	99.654		
16,300.00	6,953.00	11,930.00	7,052.08	295.52	132.03	98.49	1,414.60	4,116.98	7,892.92	7,814.62	78.30	100.807		
16,400.00	6,953.00	11,930.00	7,052.08	298.18	132.03	98.49	1,414.60	4,116.98	7,992.60	7,914.21	78.39	101.956		
16,500.00	6,953.00	11,930.00	7,052.08	300.84	132.03	98.49	1,414.60	4,116.98	8,092.30	8,013.81	78.49	103.103		
16,600.00	6,953.00	11,930.00	7,052.08	303.50	132.03	98.49	1,414.60	4,116.98	8,192.00	8,113.41	78.58	104.247		
16,700.00	6,953.00	11,930.00	7,052.08	306.16	132.03	98.49	1,414.60	4,116.98	8,291.70	8,213.03	78.68	105.388		
16,800.00	6,953.00	11,930.00	7,052.08	308.82	132.03	98.49	1,414.60	4,116.98	8,391.42	8,312.64	78.77	106.526		
16,900.00	6,953.00	11,930.00	7,052.08	311.49	132.03	98.49	1,414.60	4,116.98	8,491.14	8,412.27	78.87	107.661		
17,000.00	6,953.00	11,930.00	7,052.08	314.15	132.03	98.49	1,414.60	4,116.98	8,590.87	8,511.90	78.96	108.794		
17,100.00	6,953.00	11,930.00	7,052.08	316.82	132.03	98.49	1,414.60	4,116.98	8,690.60	8,611.54	79.06	109.923		
17,200.00	6,953.00	11,930.00	7,052.08	319.48	132.03	98.49	1,414.60	4,116.98	8,790.34	8,711.18	79.16	111.050		
17,300.00	6,953.00	11,930.00	7,052.08	322.15	132.03	98.49	1,414.60	4,116.98	8,890.08	8,810.83	79.25	112.174		
17,400.00	6,953.00	11,930.00	7,052.08	324.82	132.03	98.49	1,414.60	4,116.98	8,989.84	8,910.49	79.35	113.295		
17,500.00	6,953.00	11,930.00	7,052.08	327.49	132.03	98.49	1,414.60	4,116.98	9,089.59	9,010.15	79.44	114.414		
17,600.00	6,953.00	11,930.00	7,052.08	330.16	132.03	98.49	1,414.60	4,116.98	9,189.35	9,109.81	79.54	115.529		
17,700.00	6,953.00	11,930.00	7,052.08	332.83	132.03	98.49	1,414.60	4,116.98	9,289.12	9,209.48	79.64	116.642		
17,800.00	6,953.00	11,930.00	7,052.08	335.50	132.03	98.49	1,414.60	4,116.98	9,388.89	9,309.16	79.73	117.752		
17,900.00	6,953.00	11,930.00	7,052.08	338.17	132.03	98.49	1,414.60	4,116.98	9,488.67	9,408.84	79.83	118.860		
18,000.00	6,953.00	11,930.00	7,052.08	340.85	132.03	98.49	1,414.60	4,116.98	9,588.45	9,508.52	79.93	119.964		
18,100.00	6,953.00	11,930.00	7,052.08	343.52	132.03	98.49	1,414.60	4,116.98	9,688.24	9,608.21	80.02	121.066		
18,200.00	6,953.00	11,930.00	7,052.08	346.19	132.03	98.49	1,414.60	4,116.98	9,788.03	9,707.91	80.12	122.165		
18,300.00	6,953.00	11,930.00	7,052.08	348.87	132.03	98.49	1,414.60	4,116.98	9,887.82	9,807.60	80.22	123.262		
18,400.00	6,953.00	11,930.00	7,052.08	351.55	132.03	98.49	1,414.60	4,116.98	9,987.62	9,907.30	80.32	124.355		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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	5.77	5.77	0.00	0.01	-90.96	-4.01	-239.73	239.76					
100.00	100.00	101.94	101.93	0.27	0.14	-90.95	-3.98	-240.59	240.65	240.24	0.41	583.810		
200.00	199.98	201.45	201.43	0.63	0.45	-154.56	-4.12	-242.52	244.18	243.10	1.08	226.929		
300.00	299.84	306.31	306.28	0.99	0.82	-155.22	-4.87	-243.52	249.89	248.08	1.80	138.542		
400.00	399.45	405.75	405.71	1.36	1.17	-156.22	-5.99	-243.33	257.69	255.17	2.52	102.281		
500.00	498.70	504.48	504.43	1.76	1.52	-157.53	-7.65	-243.30	268.99	265.75	3.24	82.959		
600.00	597.47	607.42	607.35	2.18	1.88	-158.91	-8.66	-242.41	282.76	278.79	3.98	71.128		
700.00	695.62	703.81	703.73	2.63	2.21	-160.21	-9.24	-241.23	299.55	294.86	4.69	63.823		
800.00	793.06	797.16	797.07	3.11	2.53	-161.13	-7.92	-241.53	320.97	315.56	5.40	59.410		
900.00	889.64	894.97	894.73	3.64	2.87	-161.45	-2.69	-242.68	345.92	339.79	6.13	56.431		
1,000.00	985.27	989.08	988.47	4.22	3.19	-161.34	5.48	-244.40	374.23	367.36	6.86	54.543		
1,100.00	1,079.82	1,079.77	1,078.61	4.84	3.52	-161.07	15.06	-246.88	406.27	398.68	7.60	53.485		
1,200.00	1,173.17	1,159.00	1,157.25	5.52	3.81	-160.79	23.94	-250.68	443.28	434.99	8.29	53.476		
1,300.00	1,265.21	1,246.47	1,243.95	6.26	4.14	-160.57	33.83	-256.61	485.07	476.03	9.03	53.691		
1,400.00	1,355.84	1,337.07	1,333.72	7.06	4.49	-160.44	44.08	-263.31	530.35	520.54	9.81	54.050		
1,500.00	1,444.94	1,415.45	1,411.30	7.92	4.80	-160.27	53.38	-269.53	578.97	568.43	10.53	54.972		
1,600.00	1,532.39	1,499.56	1,494.26	8.84	5.14	-160.02	64.64	-277.56	631.56	620.25	11.31	55.851		
1,700.00	1,618.11	1,587.93	1,581.27	9.83	5.51	-159.71	77.76	-285.67	686.43	674.29	12.14	56.556		
1,800.00	1,701.97	1,673.71	1,665.72	10.89	5.87	-159.44	90.92	-293.02	743.44	730.48	12.97	57.336		
1,900.00	1,783.88	1,747.04	1,737.86	12.02	6.19	-159.14	102.37	-299.52	803.32	789.60	13.72	58.549		
1,991.28	1,856.86	1,814.00	1,803.57	13.11	6.48	-158.83	113.43	-306.03	860.74	846.31	14.43	59.662		
2,000.00	1,863.75	1,820.36	1,809.80	13.21	6.51	-158.84	114.57	-306.68	866.34	851.84	14.50	59.752		
2,100.00	1,942.74	1,891.84	1,879.60	14.45	6.84	-158.95	127.97	-314.25	930.78	915.51	15.27	60.970		
2,200.00	2,021.72	1,961.54	1,947.67	15.69	7.16	-159.06	140.72	-322.04	995.71	979.68	16.03	62.132		
2,300.00	2,100.71	2,031.68	2,016.30	16.95	7.48	-159.22	152.71	-330.15	1,061.09	1,044.30	16.79	63.210		
2,400.00	2,179.70	2,104.89	2,088.00	18.21	7.82	-159.39	164.73	-338.83	1,126.78	1,109.20	17.58	64.103		
2,500.00	2,258.69	2,177.27	2,158.73	19.47	8.16	-159.50	177.29	-347.63	1,192.58	1,174.21	18.37	64.916		
2,600.00	2,337.68	2,247.79	2,227.57	20.74	8.50	-159.58	189.79	-356.52	1,258.66	1,239.51	19.16	65.708		
2,700.00	2,416.66	2,321.66	2,299.65	22.02	8.85	-159.65	202.89	-365.99	1,324.90	1,304.92	19.98	66.322		
2,800.00	2,495.65	2,391.19	2,367.49	23.29	9.19	-159.71	215.14	-375.03	1,391.29	1,370.53	20.76	67.019		
2,900.00	2,574.64	2,520.86	2,493.98	24.57	9.82	-159.77	238.90	-390.77	1,457.34	1,435.20	22.13	65.845		
3,000.00	2,653.63	2,600.68	2,571.95	25.85	10.21	-159.80	254.19	-398.35	1,520.89	1,497.86	23.03	66.034		
3,100.00	2,732.62	2,706.26	2,675.05	27.14	10.72	-159.81	275.17	-406.96	1,583.17	1,558.99	24.19	65.459		
3,200.00	2,811.61	2,773.91	2,740.94	28.42	11.05	-159.77	289.59	-412.09	1,645.04	1,620.05	24.99	65.824		
3,300.00	2,890.59	2,822.03	2,787.85	29.71	11.29	-159.76	299.28	-416.67	1,708.44	1,682.84	25.60	66.738		
3,400.00	2,969.58	2,883.66	2,848.05	31.00	11.59	-159.79	310.79	-423.11	1,772.79	1,746.46	26.33	67.338		
3,500.00	3,048.57	2,948.28	2,911.28	32.29	11.90	-159.84	322.08	-430.24	1,837.74	1,810.66	27.08	67.871		
3,600.00	3,127.56	3,017.20	2,978.63	33.58	12.24	-159.88	334.33	-438.25	1,903.08	1,875.21	27.87	68.284		
3,700.00	3,206.55	3,097.75	3,057.50	34.87	12.63	-159.96	347.85	-447.45	1,968.42	1,939.64	28.77	68.410		
3,800.00	3,285.53	3,155.30	3,113.88	36.16	12.91	-160.02	357.27	-454.16	2,034.00	2,004.55	29.44	69.079		
3,900.00	3,364.52	3,216.53	3,173.69	37.45	13.21	-160.06	367.81	-461.95	2,100.23	2,070.08	30.16	69.647		
4,000.00	3,443.51	3,290.00	3,245.58	38.74	13.56	-160.12	379.67	-471.38	2,166.71	2,135.72	30.99	69.922		
4,100.00	3,522.50	3,353.35	3,307.56	40.04	13.87	-160.18	389.81	-479.68	2,233.40	2,201.68	31.72	70.419		
4,200.00	3,601.49	3,457.08	3,409.02	41.33	14.38	-160.26	407.00	-492.69	2,299.55	2,266.68	32.86	69.974		
4,300.00	3,680.47	3,586.13	3,535.65	42.63	14.99	-160.37	427.88	-506.14	2,363.99	2,329.75	34.25	69.028		
4,400.00	3,759.46	3,649.62	3,597.86	43.92	15.30	-160.41	438.75	-512.60	2,428.37	2,393.38	34.99	69.409		
4,500.00	3,838.45	3,713.17	3,660.05	45.22	15.61	-160.43	449.88	-519.47	2,493.15	2,457.42	35.73	69.777		
4,600.00	3,917.44	3,776.73	3,722.23	46.51	15.92	-160.46	460.96	-526.65	2,558.31	2,521.84	36.47	70.140		
4,700.00	3,996.43	3,841.11	3,785.20	47.81	16.24	-160.48	472.04	-534.19	2,623.82	2,586.59	37.23	70.484		
4,800.00	4,075.42	3,928.53	3,870.78	49.10	16.66	-160.53	486.61	-544.45	2,689.44	2,651.23	38.21	70.388		
4,900.00	4,154.40	4,047.99	3,988.08	50.40	17.23	-160.63	505.43	-556.94	2,754.24	2,714.75	39.50	69.732		
5,000.00	4,233.39	4,123.37	4,061.97	51.70	17.60	-160.66	518.35	-564.35	2,818.35	2,777.99	40.36	69.825		

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-20-01
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-20-01	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	4,312.38	4,194.43	4,131.28	52.99	17.95	-160.64	532.15	-571.76	2,882.58	2,841.38	41.20	69.960		
5,200.00	4,391.37	10,335.05	7,263.90	54.29	85.42	177.77	1,079.74	2,314.17	2,867.41	2,823.08	44.33	64.686		
5,300.00	4,470.36	10,378.00	7,263.72	55.59	86.52	177.13	1,080.49	2,357.11	2,789.02	2,743.66	45.35	61.497		
5,400.00	4,549.34	10,423.25	7,263.70	56.89	87.68	176.41	1,081.10	2,402.36	2,711.14	2,664.69	46.45	58.362		
5,500.00	4,628.33	10,473.00	7,263.99	58.18	88.96	175.59	1,081.29	2,452.11	2,633.96	2,586.30	47.66	55.268		
5,600.00	4,707.32	10,520.49	7,264.38	59.48	90.18	174.76	1,081.25	2,499.60	2,557.29	2,508.34	48.95	52.248		
5,700.00	4,786.31	10,581.41	7,264.74	60.78	91.74	173.65	1,081.25	2,560.52	2,480.93	2,430.53	50.41	49.216		
5,800.00	4,865.30	10,639.19	7,265.01	62.08	93.23	172.55	1,081.31	2,618.29	2,404.96	2,352.98	51.98	46.264		
5,900.00	4,944.28	10,693.63	7,265.23	63.38	94.64	171.47	1,081.43	2,672.73	2,329.46	2,275.78	53.68	43.395		
6,000.00	5,023.27	10,745.88	7,265.51	64.68	95.99	170.39	1,081.64	2,724.99	2,254.57	2,199.05	55.52	40.609		
6,100.00	5,102.26	10,800.44	7,265.87	65.97	97.41	169.21	1,081.94	2,779.54	2,180.34	2,122.78	57.56	37.882		
6,200.00	5,181.25	10,855.00	7,266.23	67.27	98.82	167.98	1,082.19	2,834.10	2,106.79	2,046.99	59.80	35.229		
6,300.00	5,260.24	10,906.24	7,266.62	68.57	100.15	166.76	1,082.35	2,885.34	2,034.06	1,971.80	62.26	32.672		
6,400.00	5,339.23	10,973.94	7,267.18	69.87	101.91	165.07	1,082.35	2,953.03	1,962.25	1,897.09	65.17	30.112		
6,500.00	5,418.21	11,070.71	7,265.55	71.17	104.43	162.42	1,080.86	3,049.78	1,890.03	1,821.14	68.89	27.435		
6,600.00	5,497.20	11,116.20	7,264.52	72.47	105.62	161.09	1,080.08	3,095.24	1,818.80	1,746.49	72.31	25.153		
6,700.00	5,576.19	11,165.26	7,263.64	73.77	106.90	159.61	1,079.45	3,144.29	1,748.99	1,672.84	76.15	22.968		
6,800.00	5,655.18	11,217.56	7,262.73	75.07	108.27	157.97	1,078.74	3,196.59	1,680.59	1,600.12	80.47	20.885		
6,900.00	5,734.17	11,261.96	7,262.02	76.37	109.43	156.52	1,078.04	3,240.97	1,613.86	1,528.76	85.10	18.964		
7,000.00	5,813.15	11,302.24	7,261.65	77.67	110.48	155.16	1,077.23	3,281.24	1,549.31	1,459.19	90.12	17.192		
7,100.00	5,892.14	11,346.08	7,261.57	78.97	111.63	153.63	1,076.15	3,325.06	1,487.19	1,391.47	95.72	15.537		
7,200.00	5,971.13	11,398.08	7,261.65	80.27	112.99	151.75	1,074.84	3,377.05	1,427.53	1,325.44	102.09	13.983		
7,300.00	6,050.12	11,451.08	7,261.82	81.57	114.39	149.77	1,073.54	3,430.04	1,370.48	1,261.40	109.08	12.564		
7,400.00	6,129.11	11,504.93	7,262.02	82.86	115.80	147.69	1,072.19	3,483.87	1,316.35	1,199.64	116.71	11.279		
7,500.00	6,208.09	11,557.38	7,262.21	84.16	117.18	145.59	1,070.79	3,536.29	1,265.51	1,140.62	124.89	10.133		
7,600.00	6,287.08	11,608.95	7,262.40	85.46	118.54	143.46	1,069.24	3,587.85	1,218.46	1,084.85	133.60	9.120		
7,700.00	6,366.07	11,657.93	7,262.53	86.76	119.83	141.38	1,067.45	3,636.79	1,175.70	1,032.99	142.71	8.239		
7,800.00	6,445.06	11,705.30	7,262.48	88.06	121.07	139.31	1,065.17	3,684.11	1,137.87	985.75	152.12	7.480		
7,900.00	6,524.05	11,774.26	7,262.32	89.36	122.89	136.23	1,062.01	3,752.99	1,105.12	942.22	162.90	6.784		
8,000.00	6,603.03	11,837.56	7,262.29	90.66	124.56	133.37	1,060.49	3,816.27	1,077.11	903.76	173.35	6.214		
8,100.00	6,682.02	11,890.37	7,262.35	91.96	125.96	130.96	1,059.36	3,869.07	1,055.01	871.99	183.02	5.764		
8,133.44	6,708.44	11,908.11	7,262.39	92.40	126.42	130.14	1,058.97	3,886.80	1,049.04	862.87	186.17	5.635		
8,150.00	6,721.39	11,917.16	7,262.41	92.62	126.66	128.89	1,058.77	3,895.85	1,046.37	858.67	187.70	5.575		
8,200.00	6,758.90	11,946.85	7,262.50	93.34	127.45	125.42	1,058.12	3,925.54	1,039.73	847.52	192.22	5.409		
8,250.00	6,793.76	11,979.92	7,262.63	94.13	128.32	122.30	1,057.39	3,958.60	1,035.02	838.49	196.53	5.267		
8,300.00	6,825.72	12,016.33	7,262.82	95.00	129.29	119.45	1,056.59	3,995.00	1,031.98	831.34	200.64	5.144		
8,350.00	6,854.52	12,055.87	7,263.03	95.93	130.33	116.85	1,055.72	4,034.53	1,030.32	825.76	204.55	5.037		
8,400.00	6,879.97	12,097.92	7,263.25	96.92	131.45	114.51	1,054.79	4,076.57	1,029.75	821.49	208.27	4.944		
8,407.00	6,883.25	12,103.99	7,263.28	97.06	131.61	114.20	1,054.66	4,082.64	1,029.75	820.97	208.77	4.932		
8,450.00	6,901.84	12,142.16	7,263.48	97.95	132.62	112.45	1,053.82	4,120.80	1,030.00	818.22	211.78	4.864		
8,500.00	6,920.00	12,150.00	7,263.52	99.02	132.83	111.42	1,053.65	4,128.64	1,031.51	819.09	212.41	4.856 SF		
8,550.00	6,934.28	12,150.00	7,263.52	100.12	132.83	110.51	1,053.65	4,128.64	1,035.47	823.66	211.82	4.889		
8,600.00	6,944.59	12,150.00	7,263.52	101.22	132.83	109.51	1,053.65	4,128.64	1,041.88	831.35	210.53	4.949		
8,650.00	6,950.84	12,150.00	7,263.52	102.33	132.83	108.41	1,053.65	4,128.64	1,050.63	842.03	208.60	5.037		
8,701.16	6,953.00	12,150.00	7,263.52	103.44	132.83	107.19	1,053.65	4,128.64	1,061.87	855.87	206.00	5.155		
8,800.00	6,953.00	12,150.00	7,263.52	105.59	132.83	107.19	1,053.65	4,128.64	1,089.97	890.06	199.91	5.452		
8,900.00	6,953.00	12,150.00	7,263.52	107.79	132.83	107.19	1,053.65	4,128.64	1,126.54	933.63	192.91	5.840		
9,000.00	6,953.00	12,150.00	7,263.52	110.02	132.83	107.19	1,053.65	4,128.64	1,170.53	985.13	185.41	6.313		
9,100.00	6,953.00	12,150.00	7,263.52	112.26	132.83	107.19	1,053.65	4,128.64	1,221.15	1,043.44	177.71	6.872		
9,200.00	6,953.00	12,150.00	7,263.52	114.52	132.83	107.19	1,053.65	4,128.64	1,277.60	1,107.53	170.07	7.512		
9,300.00	6,953.00	12,150.00	7,263.52	116.80	132.83	107.19	1,053.65	4,128.64	1,339.15	1,176.48	162.67	8.232		
9,400.00	6,953.00	12,150.00	7,263.52	119.10	132.83	107.19	1,053.65	4,128.64	1,405.13	1,249.50	155.63	9.029		

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-20-01
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-20-01	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		
9,500.00	6,953.00	12,150.00	7,263.52	121.42	132.83	107.19	1,053.65	4,128.64	1,474.94	1,325.92	149.02	9.898		
9,600.00	6,953.00	12,150.00	7,263.52	123.75	132.83	107.19	1,053.65	4,128.64	1,548.06	1,405.19	142.88	10.835		
9,700.00	6,953.00	12,150.00	7,263.52	126.10	132.83	107.19	1,053.65	4,128.64	1,624.05	1,486.85	137.20	11.837		
9,800.00	6,953.00	12,150.00	7,263.52	128.46	132.83	107.19	1,053.65	4,128.64	1,702.53	1,570.53	132.00	12.898		
9,900.00	6,953.00	12,150.00	7,263.52	130.84	132.83	107.19	1,053.65	4,128.64	1,783.16	1,655.93	127.24	14.014		
10,000.00	6,953.00	12,150.00	7,263.52	133.23	132.83	107.19	1,053.65	4,128.64	1,865.67	1,742.78	122.89	15.181		
10,100.00	6,953.00	12,150.00	7,263.52	135.63	132.83	107.19	1,053.65	4,128.64	1,949.82	1,830.88	118.93	16.394		
10,200.00	6,953.00	12,150.00	7,263.52	138.04	132.83	107.19	1,053.65	4,128.64	2,035.40	1,920.07	115.33	17.649		
10,300.00	6,953.00	12,150.00	7,263.52	140.46	132.83	107.19	1,053.65	4,128.64	2,122.24	2,010.19	112.05	18.940		
10,400.00	6,953.00	12,150.00	7,263.52	142.90	132.83	107.19	1,053.65	4,128.64	2,210.19	2,101.13	109.06	20.265		
10,500.00	6,953.00	12,150.00	7,263.52	145.34	132.83	107.19	1,053.65	4,128.64	2,299.13	2,192.79	106.35	21.620		
10,600.00	6,953.00	12,150.00	7,263.52	147.80	132.83	107.19	1,053.65	4,128.64	2,388.95	2,285.08	103.87	23.000		
10,700.00	6,953.00	12,150.00	7,263.52	150.26	132.83	107.19	1,053.65	4,128.64	2,479.54	2,377.93	101.61	24.403		
10,800.00	6,953.00	12,150.00	7,263.52	152.73	132.83	107.19	1,053.65	4,128.64	2,570.83	2,471.29	99.55	25.825		
10,900.00	6,953.00	12,150.00	7,263.52	155.21	132.83	107.19	1,053.65	4,128.64	2,662.75	2,565.09	97.67	27.264		
11,000.00	6,953.00	12,150.00	7,263.52	157.70	132.83	107.19	1,053.65	4,128.64	2,755.23	2,659.29	95.94	28.717		
11,100.00	6,953.00	12,150.00	7,263.52	160.20	132.83	107.19	1,053.65	4,128.64	2,848.22	2,753.85	94.37	30.182		
11,200.00	6,953.00	12,150.00	7,263.52	162.70	132.83	107.19	1,053.65	4,128.64	2,941.67	2,848.74	92.93	31.656		
11,300.00	6,953.00	12,150.00	7,263.52	165.21	132.83	107.19	1,053.65	4,128.64	3,035.54	2,943.93	91.60	33.138		
11,400.00	6,953.00	12,150.00	7,263.52	167.73	132.83	107.19	1,053.65	4,128.64	3,129.78	3,039.39	90.39	34.626		
11,500.00	6,953.00	12,150.00	7,263.52	170.25	132.83	107.19	1,053.65	4,128.64	3,224.37	3,135.10	89.27	36.118		
11,600.00	6,953.00	12,150.00	7,263.52	172.78	132.83	107.19	1,053.65	4,128.64	3,319.28	3,231.04	88.25	37.614		
11,700.00	6,953.00	12,150.00	7,263.52	175.31	132.83	107.19	1,053.65	4,128.64	3,414.49	3,327.18	87.30	39.111		
11,800.00	6,953.00	12,150.00	7,263.52	177.85	132.83	107.19	1,053.65	4,128.64	3,509.95	3,423.52	86.43	40.609		
11,900.00	6,953.00	12,150.00	7,263.52	180.40	132.83	107.19	1,053.65	4,128.64	3,605.67	3,520.03	85.63	42.107		
12,000.00	6,953.00	12,150.00	7,263.52	182.95	132.83	107.19	1,053.65	4,128.64	3,701.61	3,616.71	84.89	43.604		
12,100.00	6,953.00	12,150.00	7,263.52	185.50	132.83	107.19	1,053.65	4,128.64	3,797.75	3,713.54	84.21	45.099		
12,200.00	6,953.00	12,150.00	7,263.52	188.06	132.83	107.19	1,053.65	4,128.64	3,894.10	3,810.52	83.58	46.591		
12,300.00	6,953.00	12,150.00	7,263.52	190.63	132.83	107.19	1,053.65	4,128.64	3,990.62	3,907.62	83.00	48.081		
12,400.00	6,953.00	12,150.00	7,263.52	193.20	132.83	107.19	1,053.65	4,128.64	4,087.31	4,004.85	82.46	49.567		
12,500.00	6,953.00	12,150.00	7,263.52	195.77	132.83	107.19	1,053.65	4,128.64	4,184.16	4,102.19	81.96	51.049		
12,600.00	6,953.00	12,150.00	7,263.52	198.35	132.83	107.19	1,053.65	4,128.64	4,281.15	4,199.64	81.50	52.527		
12,700.00	6,953.00	12,150.00	7,263.52	200.93	132.83	107.19	1,053.65	4,128.64	4,378.27	4,297.20	81.08	54.001		
12,800.00	6,953.00	12,150.00	7,263.52	203.51	132.83	107.19	1,053.65	4,128.64	4,475.53	4,394.84	80.68	55.469		
12,900.00	6,953.00	12,150.00	7,263.52	206.10	132.83	107.19	1,053.65	4,128.64	4,572.90	4,492.58	80.32	56.933		
13,000.00	6,953.00	12,150.00	7,263.52	208.69	132.83	107.19	1,053.65	4,128.64	4,670.38	4,590.40	79.98	58.392		
13,100.00	6,953.00	12,150.00	7,263.52	211.29	132.83	107.19	1,053.65	4,128.64	4,767.97	4,688.30	79.67	59.845		
13,200.00	6,953.00	12,150.00	7,263.52	213.88	132.83	107.19	1,053.65	4,128.64	4,865.65	4,786.27	79.38	61.292		
13,300.00	6,953.00	12,150.00	7,263.52	216.48	132.83	107.19	1,053.65	4,128.64	4,963.43	4,884.31	79.12	62.735		
13,400.00	6,953.00	12,150.00	7,263.52	219.09	132.83	107.19	1,053.65	4,128.64	5,061.29	4,982.42	78.87	64.171		
13,500.00	6,953.00	12,150.00	7,263.52	221.69	132.83	107.19	1,053.65	4,128.64	5,159.24	5,080.59	78.64	65.602		
13,600.00	6,953.00	12,150.00	7,263.52	224.30	132.83	107.19	1,053.65	4,128.64	5,257.26	5,178.83	78.43	67.027		
13,700.00	6,953.00	12,150.00	7,263.52	226.92	132.83	107.19	1,053.65	4,128.64	5,355.36	5,277.12	78.24	68.447		
13,800.00	6,953.00	12,150.00	7,263.52	229.53	132.83	107.19	1,053.65	4,128.64	5,453.52	5,375.46	78.06	69.861		
13,900.00	6,953.00	12,150.00	7,263.52	232.15	132.83	107.19	1,053.65	4,128.64	5,551.75	5,473.86	77.90	71.269		
14,000.00	6,953.00	12,150.00	7,263.52	234.77	132.83	107.19	1,053.65	4,128.64	5,650.05	5,572.30	77.75	72.671		
14,100.00	6,953.00	12,150.00	7,263.52	237.39	132.83	107.19	1,053.65	4,128.64	5,748.40	5,670.79	77.61	74.068		
14,200.00	6,953.00	12,150.00	7,263.52	240.01	132.83	107.19	1,053.65	4,128.64	5,846.81	5,769.32	77.48	75.459		
14,300.00	6,953.00	12,150.00	7,263.52	242.64	132.83	107.19	1,053.65	4,128.64	5,945.27	5,867.90	77.37	76.844		
14,400.00	6,953.00	12,150.00	7,263.52	245.27	132.83	107.19	1,053.65	4,128.64	6,043.78	5,966.52	77.26	78.224		
14,500.00	6,953.00	12,150.00	7,263.52	247.90	132.83	107.19	1,053.65	4,128.64	6,142.34	6,065.17	77.17	79.599		
14,600.00	6,953.00	12,150.00	7,263.52	250.53	132.83	107.19	1,053.65	4,128.64	6,240.94	6,163.86	77.08	80.967		

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-20-01
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-20-01	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		
14,700.00	6,953.00	12,150.00	7,263.52	253.16	132.83	107.19	1,053.65	4,128.64	6,339.59	6,262.59	77.00	82.331		
14,800.00	6,953.00	12,150.00	7,263.52	255.80	132.83	107.19	1,053.65	4,128.64	6,438.28	6,361.35	76.93	83.689		
14,900.00	6,953.00	12,150.00	7,263.52	258.43	132.83	107.19	1,053.65	4,128.64	6,537.01	6,460.15	76.87	85.042		
15,000.00	6,953.00	12,150.00	7,263.52	261.07	132.83	107.19	1,053.65	4,128.64	6,635.78	6,558.97	76.81	86.389		
15,100.00	6,953.00	12,150.00	7,263.52	263.71	132.83	107.19	1,053.65	4,128.64	6,734.59	6,657.82	76.76	87.731		
15,200.00	6,953.00	12,150.00	7,263.52	266.36	132.83	107.19	1,053.65	4,128.64	6,833.43	6,756.71	76.72	89.068		
15,300.00	6,953.00	12,150.00	7,263.52	269.00	132.83	107.19	1,053.65	4,128.64	6,932.30	6,855.62	76.68	90.400		
15,400.00	6,953.00	12,150.00	7,263.52	271.65	132.83	107.19	1,053.65	4,128.64	7,031.20	6,954.55	76.65	91.727		
15,500.00	6,953.00	12,150.00	7,263.52	274.29	132.83	107.19	1,053.65	4,128.64	7,130.14	7,053.51	76.63	93.049		
15,600.00	6,953.00	12,150.00	7,263.52	276.94	132.83	107.19	1,053.65	4,128.64	7,229.10	7,152.50	76.61	94.366		
15,700.00	6,953.00	12,150.00	7,263.52	279.59	132.83	107.19	1,053.65	4,128.64	7,328.10	7,251.51	76.59	95.677		
15,800.00	6,953.00	12,150.00	7,263.52	282.24	132.83	107.19	1,053.65	4,128.64	7,427.12	7,350.54	76.58	96.984		
15,900.00	6,953.00	12,150.00	7,263.52	284.90	132.83	107.19	1,053.65	4,128.64	7,526.16	7,449.59	76.57	98.287		
16,000.00	6,953.00	12,150.00	7,263.52	287.55	132.83	107.19	1,053.65	4,128.64	7,625.23	7,548.66	76.57	99.584		
16,100.00	6,953.00	12,150.00	7,263.52	290.20	132.83	107.19	1,053.65	4,128.64	7,724.33	7,647.76	76.57	100.877		
16,200.00	6,953.00	12,150.00	7,263.52	292.86	132.83	107.19	1,053.65	4,128.64	7,823.45	7,746.87	76.58	102.165		
16,300.00	6,953.00	12,150.00	7,263.52	295.52	132.83	107.19	1,053.65	4,128.64	7,922.59	7,846.00	76.59	103.448		
16,400.00	6,953.00	12,150.00	7,263.52	298.18	132.83	107.19	1,053.65	4,128.64	8,021.75	7,945.15	76.60	104.727		
16,500.00	6,953.00	12,150.00	7,263.52	300.84	132.83	107.19	1,053.65	4,128.64	8,120.93	8,044.32	76.61	106.001		
16,600.00	6,953.00	12,150.00	7,263.52	303.50	132.83	107.19	1,053.65	4,128.64	8,220.13	8,143.50	76.63	107.271		
16,700.00	6,953.00	12,150.00	7,263.52	306.16	132.83	107.19	1,053.65	4,128.64	8,319.35	8,242.70	76.65	108.536		
16,800.00	6,953.00	12,150.00	7,263.52	308.82	132.83	107.19	1,053.65	4,128.64	8,418.59	8,341.92	76.67	109.797		
16,900.00	6,953.00	12,150.00	7,263.52	311.49	132.83	107.19	1,053.65	4,128.64	8,517.85	8,441.15	76.70	111.053		
17,000.00	6,953.00	12,150.00	7,263.52	314.15	132.83	107.19	1,053.65	4,128.64	8,617.12	8,540.39	76.73	112.305		
17,100.00	6,953.00	12,150.00	7,263.52	316.82	132.83	107.19	1,053.65	4,128.64	8,716.41	8,639.65	76.76	113.553		
17,200.00	6,953.00	12,150.00	7,263.52	319.48	132.83	107.19	1,053.65	4,128.64	8,815.72	8,738.92	76.79	114.797		
17,300.00	6,953.00	12,150.00	7,263.52	322.15	132.83	107.19	1,053.65	4,128.64	8,915.04	8,838.21	76.83	116.036		
17,400.00	6,953.00	12,150.00	7,263.52	324.82	132.83	107.19	1,053.65	4,128.64	9,014.38	8,937.51	76.87	117.271		
17,500.00	6,953.00	12,150.00	7,263.52	327.49	132.83	107.19	1,053.65	4,128.64	9,113.73	9,036.82	76.91	118.502		
17,600.00	6,953.00	12,150.00	7,263.52	330.16	132.83	107.19	1,053.65	4,128.64	9,213.09	9,136.14	76.95	119.729		
17,700.00	6,953.00	12,150.00	7,263.52	332.83	132.83	107.19	1,053.65	4,128.64	9,312.47	9,235.48	76.99	120.951		
17,800.00	6,953.00	12,150.00	7,263.52	335.50	132.83	107.19	1,053.65	4,128.64	9,411.87	9,334.83	77.04	122.170		
17,900.00	6,953.00	12,150.00	7,263.52	338.17	132.83	107.19	1,053.65	4,128.64	9,511.27	9,434.18	77.09	123.384		
18,000.00	6,953.00	12,150.00	7,263.52	340.85	132.83	107.19	1,053.65	4,128.64	9,610.69	9,533.55	77.14	124.595		
18,100.00	6,953.00	12,150.00	7,263.52	343.52	132.83	107.19	1,053.65	4,128.64	9,710.12	9,632.93	77.19	125.801		
18,200.00	6,953.00	12,150.00	7,263.52	346.19	132.83	107.19	1,053.65	4,128.64	9,809.56	9,732.32	77.24	127.004		
18,300.00	6,953.00	12,150.00	7,263.52	348.87	132.83	107.19	1,053.65	4,128.64	9,909.01	9,831.72	77.29	128.202		
18,400.00	6,953.00	12,150.00	7,263.52	351.55	132.83	107.19	1,053.65	4,128.64	10,008.48	9,931.13	77.35	129.397		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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	4.84	4.84	0.00	0.01	-90.95	-3.64	-219.66	219.69					
100.00	100.00	101.65	101.65	0.27	0.14	-91.00	-3.84	-220.42	220.48	220.07	0.41	535.978		
200.00	199.98	201.57	201.55	0.63	0.45	-154.71	-4.29	-222.11	223.76	222.68	1.08	207.950		
300.00	299.84	300.53	300.50	0.99	0.81	-155.36	-4.92	-223.73	230.16	228.36	1.80	128.128		
400.00	399.45	404.20	404.15	1.36	1.17	-156.53	-6.36	-224.76	239.17	236.64	2.53	94.679		
500.00	498.70	505.57	505.50	1.76	1.53	-158.03	-8.28	-224.25	250.06	246.81	3.25	76.946		
600.00	597.47	603.22	603.13	2.18	1.87	-159.63	-10.27	-223.62	264.23	260.26	3.97	66.542		
700.00	695.62	702.32	702.22	2.63	2.22	-161.13	-11.47	-223.10	281.87	277.18	4.70	59.979		
800.00	793.06	800.78	800.67	3.11	2.56	-162.51	-11.99	-222.17	302.47	297.04	5.43	55.722		
900.00	889.64	894.87	894.75	3.64	2.89	-163.91	-13.10	-221.59	326.93	320.78	6.15	53.152		
1,000.00	985.27	989.77	989.64	4.22	3.23	-165.35	-14.84	-221.34	355.32	348.44	6.88	51.643		
1,100.00	1,079.82	1,084.88	1,084.74	4.84	3.56	-166.49	-15.33	-221.28	387.05	379.45	7.60	50.908		
1,200.00	1,173.17	1,176.80	1,176.65	5.52	3.87	-167.36	-14.78	-221.58	422.24	413.92	8.31	50.800		
1,300.00	1,265.21	1,266.13	1,265.94	6.26	4.17	-167.84	-12.20	-222.84	461.09	452.08	9.02	51.128		
1,400.00	1,355.84	1,348.00	1,347.61	7.06	4.45	-167.86	-7.17	-225.48	503.93	494.23	9.70	51.961		
1,500.00	1,444.94	1,432.12	1,431.23	7.92	4.74	-167.55	0.68	-230.03	550.91	540.51	10.40	52.963		
1,600.00	1,532.39	1,506.96	1,505.28	8.84	5.01	-167.01	9.79	-235.90	602.25	591.18	11.07	54.421		
1,700.00	1,618.11	1,583.33	1,580.48	9.83	5.29	-166.33	20.59	-243.67	657.92	646.16	11.76	55.956		
1,800.00	1,701.97	1,661.34	1,657.25	10.89	5.59	-165.71	31.60	-252.03	716.84	704.36	12.47	57.470		
1,900.00	1,783.88	1,737.68	1,732.44	12.02	5.89	-165.21	41.86	-260.35	778.73	765.54	13.19	59.032		
1,991.28	1,856.86	1,803.29	1,797.07	13.11	6.15	-164.81	50.47	-267.69	837.75	823.92	13.83	60.574		
2,000.00	1,863.75	1,809.35	1,803.02	13.21	6.17	-164.80	51.36	-268.40	843.52	829.62	13.89	60.708		
2,100.00	1,942.74	1,878.87	1,871.04	14.45	6.46	-164.63	62.67	-277.22	909.85	895.27	14.58	62.388		
2,200.00	2,021.72	1,949.18	1,939.75	15.69	6.76	-164.45	74.29	-286.54	976.57	961.28	15.29	63.856		
2,300.00	2,100.71	2,020.13	2,009.19	16.95	7.06	-164.35	85.35	-296.06	1,043.58	1,027.56	16.01	65.167		
2,400.00	2,179.70	2,094.09	2,081.72	18.21	7.38	-164.31	95.98	-305.92	1,110.75	1,093.99	16.76	66.265		
2,500.00	2,258.69	2,169.85	2,156.17	19.47	7.71	-164.34	105.98	-315.70	1,177.83	1,160.30	17.53	67.203		
2,600.00	2,337.68	2,244.93	2,230.08	20.74	8.03	-164.41	115.18	-325.15	1,244.84	1,226.55	18.28	68.082		
2,700.00	2,416.66	2,321.85	2,305.64	22.02	8.37	-164.42	125.65	-334.98	1,311.74	1,292.67	19.07	68.777		
2,800.00	2,495.65	2,393.33	2,375.61	23.29	8.69	-164.33	136.83	-344.45	1,378.62	1,358.79	19.83	69.525		
2,900.00	2,574.64	2,464.53	2,445.25	24.57	9.02	-164.25	148.05	-354.10	1,445.70	1,425.12	20.59	70.215		
3,000.00	2,653.63	2,537.12	2,516.25	25.85	9.35	-164.18	159.43	-364.04	1,512.89	1,491.53	21.37	70.805		
3,100.00	2,732.62	2,611.22	2,588.84	27.14	9.69	-164.14	170.44	-374.06	1,580.11	1,557.95	22.16	71.315		
3,200.00	2,811.61	2,686.80	2,663.05	28.42	10.03	-164.15	180.77	-384.02	1,647.30	1,624.34	22.95	71.766		
3,300.00	2,890.59	2,760.32	2,735.36	29.71	10.36	-164.19	190.05	-393.47	1,714.44	1,690.71	23.73	72.262		
3,400.00	2,969.58	2,831.60	2,805.55	31.00	10.68	-164.26	198.51	-402.58	1,781.66	1,757.19	24.47	72.806		
3,500.00	3,048.57	2,901.32	2,874.30	32.29	10.99	-164.35	206.00	-411.45	1,849.03	1,823.84	25.20	73.386		
3,600.00	3,127.56	3,025.56	2,996.90	33.58	11.53	-164.48	220.07	-425.77	1,915.42	1,888.99	26.42	72.490		
3,700.00	3,206.55	3,108.73	3,079.05	34.87	11.89	-164.56	229.89	-434.20	1,980.73	1,953.45	27.28	72.614		
3,800.00	3,285.53	3,176.43	3,145.88	36.16	12.19	-164.61	238.12	-441.17	2,046.09	2,018.09	28.00	73.087		
3,900.00	3,364.52	3,233.99	3,202.58	37.45	12.45	-164.62	245.78	-447.58	2,111.87	2,083.24	28.63	73.763		
4,000.00	3,443.51	3,289.99	3,257.50	38.74	12.71	-164.60	254.12	-454.64	2,178.40	2,149.14	29.26	74.455		
4,100.00	3,522.50	3,352.98	3,319.21	40.04	13.00	-164.56	263.54	-463.04	2,245.45	2,215.49	29.96	74.955		
4,200.00	3,601.49	3,435.78	3,400.56	41.33	13.38	-164.57	274.55	-473.84	2,312.62	2,281.78	30.84	74.992		
4,300.00	3,680.47	3,529.45	3,492.88	42.63	13.81	-164.62	285.79	-484.98	2,379.17	2,347.36	31.81	74.790		
4,400.00	3,759.46	3,606.33	3,568.51	43.92	14.16	-164.62	296.27	-494.02	2,445.33	2,412.70	32.64	74.928		
4,500.00	3,838.45	3,671.99	3,632.98	45.22	14.46	-164.61	305.69	-502.10	2,511.75	2,478.39	33.36	75.292		
4,600.00	3,917.44	3,734.23	3,694.04	46.51	14.75	-164.59	314.73	-510.06	2,578.49	2,544.43	34.05	75.716		
4,700.00	3,996.43	3,802.08	3,760.58	47.81	15.07	-164.57	324.57	-518.96	2,645.47	2,610.66	34.81	76.008		
4,800.00	4,075.42	3,875.34	3,832.47	49.10	15.42	-164.55	334.92	-528.61	2,712.56	2,676.96	35.61	76.179		
4,900.00	4,154.40	3,970.08	3,925.68	50.40	15.85	-164.57	347.08	-540.39	2,779.36	2,742.76	36.61	75.920		
5,000.00	4,233.39	9,941.98	6,974.56	51.70	82.09	168.83	717.94	2,224.72	2,762.13	2,715.38	46.75	59.083		

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-20-01
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-20-01	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	4,312.38	9,974.37	6,974.06	52.99	82.92	168.20	716.54	2,257.07	2,687.40	2,639.10	48.30	55.635		
5,200.00	4,391.37	10,013.11	6,973.74	54.29	83.91	167.43	714.77	2,295.77	2,613.68	2,563.64	50.04	52.231		
5,300.00	4,470.36	10,063.53	6,973.46	55.59	85.21	166.40	712.64	2,346.14	2,540.79	2,488.76	52.03	48.829		
5,400.00	4,549.34	10,117.20	6,973.26	56.89	86.59	165.27	710.65	2,399.77	2,468.69	2,414.47	54.22	45.528		
5,500.00	4,628.33	10,174.11	6,973.02	58.18	88.06	164.04	708.69	2,456.66	2,397.34	2,340.70	56.64	42.329		
5,600.00	4,707.32	10,231.19	6,972.75	59.48	89.54	162.76	706.93	2,513.71	2,326.78	2,267.53	59.25	39.268		
5,700.00	4,786.31	10,288.17	6,972.47	60.78	91.01	161.45	705.53	2,570.66	2,257.09	2,195.01	62.09	36.354		
5,800.00	4,865.30	10,341.75	6,972.26	62.08	92.40	160.18	704.53	2,624.23	2,188.40	2,123.29	65.11	33.613		
5,900.00	4,944.28	10,400.63	6,972.11	63.38	93.93	158.74	703.73	2,683.11	2,120.80	2,052.34	68.45	30.981		
6,000.00	5,023.27	10,467.81	6,971.50	64.68	95.68	157.02	702.59	2,750.28	2,054.13	1,981.88	72.25	28.431		
6,100.00	5,102.26	10,513.71	6,971.05	65.97	96.88	155.81	701.95	2,796.17	1,988.73	1,912.73	76.00	26.169		
6,200.00	5,181.25	10,560.03	6,971.12	67.27	98.08	154.58	702.08	2,842.49	1,925.02	1,845.02	80.00	24.061		
6,300.00	5,260.24	10,609.37	6,969.67	68.57	100.94	151.50	701.77	2,951.80	1,862.32	1,776.70	85.62	21.750		
6,400.00	5,339.23	10,744.35	6,966.33	69.87	102.90	149.22	700.35	3,026.69	1,800.23	1,709.07	91.16	19.748		
6,500.00	5,418.21	10,793.05	6,963.86	71.17	104.17	147.69	699.66	3,075.32	1,739.79	1,643.27	96.52	18.026		
6,600.00	5,497.20	10,837.32	6,962.10	72.47	105.33	146.28	699.57	3,119.56	1,681.79	1,579.69	102.10	16.472		
6,700.00	5,576.19	10,879.10	6,960.98	73.77	106.42	144.94	700.02	3,161.32	1,626.47	1,518.53	107.94	15.068		
6,800.00	5,655.18	10,921.00	6,960.74	75.07	107.52	143.59	701.23	3,203.20	1,574.15	1,460.10	114.05	13.802		
6,900.00	5,734.17	10,992.21	6,961.76	76.37	109.38	141.31	704.89	3,274.31	1,524.81	1,403.66	121.15	12.586		
7,000.00	5,813.15	11,100.66	6,961.68	77.67	112.20	137.71	713.12	3,382.44	1,476.72	1,347.20	129.52	11.401		
7,100.00	5,892.14	11,140.98	6,961.37	78.97	113.25	136.34	717.29	3,422.54	1,430.65	1,294.11	136.54	10.478		
7,200.00	5,971.13	11,188.19	6,960.90	80.27	114.48	134.69	721.44	3,469.56	1,388.38	1,244.34	144.04	9.639		
7,300.00	6,050.12	11,235.98	6,960.29	81.57	115.73	132.95	723.34	3,517.30	1,351.52	1,199.64	151.88	8.899		
7,400.00	6,129.11	11,253.28	6,960.08	82.86	116.19	132.30	723.66	3,534.60	1,319.44	1,160.75	158.69	8.315		
7,500.00	6,208.09	11,314.45	6,959.92	84.16	117.80	130.02	725.42	3,595.74	1,292.40	1,125.35	167.05	7.737		
7,600.00	6,287.08	11,391.98	6,960.32	85.46	119.84	127.12	728.98	3,673.19	1,269.67	1,093.79	175.88	7.219		
7,700.00	6,366.07	11,461.47	6,960.09	86.76	121.66	124.48	733.15	3,742.56	1,251.02	1,066.84	184.18	6.792		
7,800.00	6,445.06	11,522.13	6,959.93	88.06	123.25	122.16	737.16	3,803.08	1,237.34	1,045.59	191.75	6.453		
7,900.00	6,524.05	11,593.26	6,959.40	89.36	125.12	119.42	742.35	3,874.02	1,228.64	1,029.39	199.24	6.167		
8,000.00	6,603.03	11,657.02	6,958.20	90.66	126.79	116.94	747.42	3,937.56	1,224.92	1,019.09	205.83	5.951		
8,018.51	6,617.66	11,667.97	6,957.90	90.90	127.08	116.51	748.30	3,948.48	1,224.82	1,017.89	206.94	5.919		
8,100.00	6,682.02	11,715.29	6,956.33	91.96	128.32	114.65	752.09	3,995.62	1,226.67	1,015.21	211.46	5.801		
8,133.44	6,708.44	11,733.93	6,955.67	92.40	128.81	113.92	753.60	4,014.19	1,228.51	1,015.38	213.13	5.764		
8,150.00	6,721.39	11,743.49	6,955.37	92.62	129.06	112.34	754.38	4,023.71	1,229.62	1,015.69	213.93	5.748		
8,200.00	6,758.90	11,775.25	6,954.52	93.34	129.89	107.96	757.04	4,055.34	1,233.35	1,017.03	216.32	5.702		
8,250.00	6,793.76	11,810.65	6,953.85	94.13	130.82	104.11	760.10	4,090.60	1,237.42	1,018.76	218.66	5.659		
8,300.00	6,825.72	11,847.75	6,953.24	95.00	131.79	100.78	763.33	4,127.56	1,241.53	1,020.62	220.91	5.620		
8,350.00	6,854.52	11,869.98	6,952.87	95.93	132.38	98.34	765.27	4,149.70	1,245.55	1,023.18	222.36	5.601 SF		
8,400.00	6,879.97	11,869.98	6,952.87	96.92	132.38	96.75	765.27	4,149.70	1,250.25	1,027.70	222.55	5.618		
8,450.00	6,901.84	11,869.98	6,952.87	97.95	132.38	95.32	765.27	4,149.70	1,255.79	1,033.39	222.40	5.646		
8,500.00	6,920.00	11,869.98	6,952.87	99.02	132.38	94.01	765.27	4,149.70	1,262.12	1,040.19	221.93	5.687		
8,550.00	6,934.28	11,869.98	6,952.87	100.12	132.38	92.82	765.27	4,149.70	1,269.17	1,048.04	221.13	5.740		
8,600.00	6,944.59	11,869.98	6,952.87	101.22	132.38	91.72	765.27	4,149.70	1,276.89	1,056.86	220.02	5.803		
8,650.00	6,950.84	11,869.98	6,952.87	102.33	132.38	90.71	765.27	4,149.70	1,285.20	1,066.57	218.63	5.878		
8,701.16	6,953.00	11,869.98	6,952.87	103.44	132.38	89.77	765.27	4,149.70	1,294.23	1,077.32	216.92	5.966		
8,800.00	6,953.00	11,869.98	6,952.87	105.59	132.38	89.77	765.27	4,149.70	1,315.76	1,102.87	212.89	6.180		
8,900.00	6,953.00	11,869.98	6,952.87	107.79	132.38	89.77	765.27	4,149.70	1,344.60	1,136.61	207.99	6.465		
9,000.00	6,953.00	11,869.98	6,952.87	110.02	132.38	89.77	765.27	4,149.70	1,380.10	1,177.65	202.44	6.817		
9,100.00	6,953.00	11,869.98	6,952.87	112.26	132.38	89.77	765.27	4,149.70	1,421.76	1,225.30	196.46	7.237		
9,200.00	6,953.00	11,869.98	6,952.87	114.52	132.38	89.77	765.27	4,149.70	1,469.05	1,278.84	190.21	7.723		
9,300.00	6,953.00	11,869.98	6,952.87	116.80	132.38	89.77	765.27	4,149.70	1,521.46	1,337.60	183.86	8.275		
9,400.00	6,953.00	11,869.98	6,952.87	119.10	132.38	89.77	765.27	4,149.70	1,578.47	1,400.94	177.53	8.891		

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-20-01
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-20-01	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-10-7N - 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					
9,500.00	6,953.00	11,869.98	6,952.87	121.42	132.38	89.77	765.27	4,149.70	1,639.60	1,468.27	171.33	9.570					
9,600.00	6,953.00	11,869.98	6,952.87	123.75	132.38	89.77	765.27	4,149.70	1,704.41	1,539.09	165.32	10.310					
9,700.00	6,953.00	11,869.98	6,952.87	126.10	132.38	89.77	765.27	4,149.70	1,772.49	1,612.93	159.57	11.108					
9,800.00	6,953.00	11,869.98	6,952.87	128.46	132.38	89.77	765.27	4,149.70	1,843.49	1,689.40	154.09	11.964					
9,900.00	6,953.00	11,869.98	6,952.87	130.84	132.38	89.77	765.27	4,149.70	1,917.08	1,768.16	148.91	12.874					
10,000.00	6,953.00	11,869.98	6,952.87	133.23	132.38	89.77	765.27	4,149.70	1,992.96	1,848.92	144.04	13.836					
10,100.00	6,953.00	11,869.98	6,952.87	135.63	132.38	89.77	765.27	4,149.70	2,070.90	1,931.43	139.47	14.849					
10,200.00	6,953.00	11,869.98	6,952.87	138.04	132.38	89.77	765.27	4,149.70	2,150.66	2,015.47	135.19	15.908					
10,300.00	6,953.00	11,869.98	6,952.87	140.46	132.38	89.77	765.27	4,149.70	2,232.06	2,100.86	131.20	17.013					
10,400.00	6,953.00	11,869.98	6,952.87	142.90	132.38	89.77	765.27	4,149.70	2,314.91	2,187.43	127.48	18.159					
10,500.00	6,953.00	11,869.98	6,952.87	145.34	132.38	89.77	765.27	4,149.70	2,399.07	2,275.06	124.01	19.346					
10,600.00	6,953.00	11,869.98	6,952.87	147.80	132.38	89.77	765.27	4,149.70	2,484.40	2,363.62	120.78	20.569					
10,700.00	6,953.00	11,869.98	6,952.87	150.26	132.38	89.77	765.27	4,149.70	2,570.79	2,453.01	117.78	21.828					
10,800.00	6,953.00	11,869.98	6,952.87	152.73	132.38	89.77	765.27	4,149.70	2,658.14	2,543.16	114.98	23.118					
10,900.00	6,953.00	11,869.98	6,952.87	155.21	132.38	89.77	765.27	4,149.70	2,746.35	2,633.97	112.38	24.439					
11,000.00	6,953.00	11,869.98	6,952.87	157.70	132.38	89.77	765.27	4,149.70	2,835.34	2,725.39	109.95	25.787					
11,100.00	6,953.00	11,869.98	6,952.87	160.20	132.38	89.77	765.27	4,149.70	2,925.04	2,817.35	107.69	27.161					
11,200.00	6,953.00	11,869.98	6,952.87	162.70	132.38	89.77	765.27	4,149.70	3,015.39	2,909.81	105.59	28.559					
11,300.00	6,953.00	11,869.98	6,952.87	165.21	132.38	89.77	765.27	4,149.70	3,106.33	3,002.71	103.62	29.977					
11,400.00	6,953.00	11,869.98	6,952.87	167.73	132.38	89.77	765.27	4,149.70	3,197.82	3,096.03	101.79	31.416					
11,500.00	6,953.00	11,869.98	6,952.87	170.25	132.38	89.77	765.27	4,149.70	3,289.80	3,189.72	100.08	32.872					
11,600.00	6,953.00	11,869.98	6,952.87	172.78	132.38	89.77	765.27	4,149.70	3,382.23	3,283.75	98.48	34.344					
11,700.00	6,953.00	11,869.98	6,952.87	175.31	132.38	89.77	765.27	4,149.70	3,475.08	3,378.10	96.99	35.830					
11,800.00	6,953.00	11,869.98	6,952.87	177.85	132.38	89.77	765.27	4,149.70	3,568.32	3,472.73	95.59	37.329					
11,900.00	6,953.00	11,869.98	6,952.87	180.40	132.38	89.77	765.27	4,149.70	3,661.92	3,567.64	94.28	38.840					
12,000.00	6,953.00	11,869.98	6,952.87	182.95	132.38	89.77	765.27	4,149.70	3,755.85	3,662.79	93.06	40.360					
12,100.00	6,953.00	11,869.98	6,952.87	185.50	132.38	89.77	765.27	4,149.70	3,850.08	3,758.17	91.91	41.890					
12,200.00	6,953.00	11,869.98	6,952.87	188.06	132.38	89.77	765.27	4,149.70	3,944.59	3,853.76	90.83	43.427					
12,300.00	6,953.00	11,869.98	6,952.87	190.63	132.38	89.77	765.27	4,149.70	4,039.38	3,949.55	89.82	44.970					
12,400.00	6,953.00	11,869.98	6,952.87	193.20	132.38	89.77	765.27	4,149.70	4,134.40	4,045.53	88.87	46.519					
12,500.00	6,953.00	11,869.98	6,952.87	195.77	132.38	89.77	765.27	4,149.70	4,229.66	4,141.67	87.98	48.073					
12,600.00	6,953.00	11,869.98	6,952.87	198.35	132.38	89.77	765.27	4,149.70	4,325.13	4,237.98	87.15	49.630					
12,700.00	6,953.00	11,869.98	6,952.87	200.93	132.38	89.77	765.27	4,149.70	4,420.80	4,334.44	86.36	51.190					
12,800.00	6,953.00	11,869.98	6,952.87	203.51	132.38	89.77	765.27	4,149.70	4,516.65	4,431.04	85.62	52.753					
12,900.00	6,953.00	11,869.98	6,952.87	206.10	132.38	89.77	765.27	4,149.70	4,612.69	4,527.77	84.92	54.316					
13,000.00	6,953.00	11,869.98	6,952.87	208.69	132.38	89.77	765.27	4,149.70	4,708.89	4,624.62	84.27	55.881					
13,100.00	6,953.00	11,869.98	6,952.87	211.29	132.38	89.77	765.27	4,149.70	4,805.24	4,721.59	83.65	57.445					
13,200.00	6,953.00	11,869.98	6,952.87	213.88	132.38	89.77	765.27	4,149.70	4,901.74	4,818.67	83.07	59.009					
13,300.00	6,953.00	11,869.98	6,952.87	216.48	132.38	89.77	765.27	4,149.70	4,998.38	4,915.86	82.52	60.573					
13,400.00	6,953.00	11,869.98	6,952.87	219.09	132.38	89.77	765.27	4,149.70	5,095.15	5,013.14	82.00	62.135					
13,500.00	6,953.00	11,869.98	6,952.87	221.69	132.38	89.77	765.27	4,149.70	5,192.04	5,110.52	81.51	63.695					
13,600.00	6,953.00	11,869.98	6,952.87	224.30	132.38	89.77	765.27	4,149.70	5,289.04	5,207.99	81.05	65.253					
13,700.00	6,953.00	11,869.98	6,952.87	226.92	132.38	89.77	765.27	4,149.70	5,386.16	5,305.54	80.62	66.809					
13,800.00	6,953.00	11,869.98	6,952.87	229.53	132.38	89.77	765.27	4,149.70	5,483.38	5,403.16	80.21	68.362					
13,900.00	6,953.00	11,869.98	6,952.87	232.15	132.38	89.77	765.27	4,149.70	5,580.69	5,500.87	79.83	69.911					
14,000.00	6,953.00	11,869.98	6,952.87	234.77	132.38	89.77	765.27	4,149.70	5,678.10	5,598.64	79.46	71.458					
14,100.00	6,953.00	11,869.98	6,952.87	237.39	132.38	89.77	765.27	4,149.70	5,775.60	5,696.48	79.12	73.001					
14,200.00	6,953.00	11,869.98	6,952.87	240.01	132.38	89.77	765.27	4,149.70	5,873.19	5,794.39	78.79	74.539					
14,300.00	6,953.00	11,869.98	6,952.87	242.64	132.38	89.77	765.27	4,149.70	5,970.85	5,892.36	78.49	76.074					
14,400.00	6,953.00	11,869.98	6,952.87	245.27	132.38	89.77	765.27	4,149.70	6,068.59	5,990.39	78.20	77.605					
14,500.00	6,953.00	11,869.98	6,952.87	247.90	132.38	89.77	765.27	4,149.70	6,166.40	6,088.47	77.93	79.131					
14,600.00	6,953.00	11,869.98	6,952.87	250.53	132.38	89.77	765.27	4,149.70	6,264.28	6,186.61	77.67	80.653					

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-20-01
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-20-01	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		
14,700.00	6,953.00	11,869.98	6,952.87	253.16	132.38	89.77	765.27	4,149.70	6,362.23	6,284.80	77.43	82.170		
14,800.00	6,953.00	11,869.98	6,952.87	255.80	132.38	89.77	765.27	4,149.70	6,460.24	6,383.04	77.20	83.682		
14,900.00	6,953.00	11,869.98	6,952.87	258.43	132.38	89.77	765.27	4,149.70	6,558.31	6,481.32	76.98	85.190		
15,000.00	6,953.00	11,869.98	6,952.87	261.07	132.38	89.77	765.27	4,149.70	6,656.43	6,579.65	76.78	86.692		
15,100.00	6,953.00	11,869.98	6,952.87	263.71	132.38	89.77	765.27	4,149.70	6,754.61	6,678.02	76.59	88.190		
15,200.00	6,953.00	11,869.98	6,952.87	266.36	132.38	89.77	765.27	4,149.70	6,852.85	6,776.44	76.41	89.682		
15,300.00	6,953.00	11,869.98	6,952.87	269.00	132.38	89.77	765.27	4,149.70	6,951.13	6,874.89	76.24	91.169		
15,400.00	6,953.00	11,869.98	6,952.87	271.65	132.38	89.77	765.27	4,149.70	7,049.47	6,973.38	76.09	92.651		
15,500.00	6,953.00	11,869.98	6,952.87	274.29	132.38	89.77	765.27	4,149.70	7,147.85	7,071.91	75.94	94.128		
15,600.00	6,953.00	11,869.98	6,952.87	276.94	132.38	89.77	765.27	4,149.70	7,246.27	7,170.47	75.80	95.599		
15,700.00	6,953.00	11,869.98	6,952.87	279.59	132.38	89.77	765.27	4,149.70	7,344.74	7,269.07	75.67	97.065		
15,800.00	6,953.00	11,869.98	6,952.87	282.24	132.38	89.77	765.27	4,149.70	7,443.24	7,367.70	75.55	98.526		
15,900.00	6,953.00	11,869.98	6,952.87	284.90	132.38	89.77	765.27	4,149.70	7,541.79	7,466.36	75.43	99.981		
16,000.00	6,953.00	11,869.98	6,952.87	287.55	132.38	89.77	765.27	4,149.70	7,640.38	7,565.05	75.33	101.431		
16,100.00	6,953.00	11,869.98	6,952.87	290.20	132.38	89.77	765.27	4,149.70	7,739.00	7,663.77	75.23	102.875		
16,200.00	6,953.00	11,869.98	6,952.87	292.86	132.38	89.77	765.27	4,149.70	7,837.65	7,762.52	75.13	104.314		
16,300.00	6,953.00	11,869.98	6,952.87	295.52	132.38	89.77	765.27	4,149.70	7,936.34	7,861.29	75.05	105.748		
16,400.00	6,953.00	11,869.98	6,952.87	298.18	132.38	89.77	765.27	4,149.70	8,035.06	7,960.09	74.97	107.176		
16,500.00	6,953.00	11,869.98	6,952.87	300.84	132.38	89.77	765.27	4,149.70	8,133.82	8,058.92	74.90	108.599		
16,600.00	6,953.00	11,869.98	6,952.87	303.50	132.38	89.77	765.27	4,149.70	8,232.60	8,157.77	74.83	110.016		
16,700.00	6,953.00	11,869.98	6,952.87	306.16	132.38	89.77	765.27	4,149.70	8,331.41	8,256.64	74.77	111.428		
16,800.00	6,953.00	11,869.98	6,952.87	308.82	132.38	89.77	765.27	4,149.70	8,430.25	8,355.54	74.71	112.834		
16,900.00	6,953.00	11,869.98	6,952.87	311.49	132.38	89.77	765.27	4,149.70	8,529.12	8,454.45	74.66	114.235		
17,000.00	6,953.00	11,869.98	6,952.87	314.15	132.38	89.77	765.27	4,149.70	8,628.01	8,553.39	74.62	115.630		
17,100.00	6,953.00	11,869.98	6,952.87	316.82	132.38	89.77	765.27	4,149.70	8,726.93	8,652.35	74.58	117.020		
17,200.00	6,953.00	11,869.98	6,952.87	319.48	132.38	89.77	765.27	4,149.70	8,825.87	8,751.33	74.54	118.405		
17,300.00	6,953.00	11,869.98	6,952.87	322.15	132.38	89.77	765.27	4,149.70	8,924.84	8,850.33	74.51	119.785		
17,400.00	6,953.00	11,869.98	6,952.87	324.82	132.38	89.77	765.27	4,149.70	9,023.83	8,949.35	74.48	121.159		
17,500.00	6,953.00	11,869.98	6,952.87	327.49	132.38	89.77	765.27	4,149.70	9,122.84	9,048.38	74.46	122.528		
17,600.00	6,953.00	11,869.98	6,952.87	330.16	132.38	89.77	765.27	4,149.70	9,221.87	9,147.44	74.44	123.891		
17,700.00	6,953.00	11,869.98	6,952.87	332.83	132.38	89.77	765.27	4,149.70	9,320.92	9,246.51	74.42	125.249		
17,800.00	6,953.00	11,869.98	6,952.87	335.50	132.38	89.77	765.27	4,149.70	9,420.00	9,345.59	74.41	126.602		
17,900.00	6,953.00	11,869.98	6,952.87	338.17	132.38	89.77	765.27	4,149.70	9,519.09	9,444.69	74.40	127.950		
18,000.00	6,953.00	11,869.98	6,952.87	340.85	132.38	89.77	765.27	4,149.70	9,618.20	9,543.81	74.39	129.292		
18,100.00	6,953.00	11,869.98	6,952.87	343.52	132.38	89.77	765.27	4,149.70	9,717.33	9,642.94	74.39	130.630		
18,200.00	6,953.00	11,869.98	6,952.87	346.19	132.38	89.77	765.27	4,149.70	9,816.48	9,742.09	74.39	131.962		
18,300.00	6,953.00	11,869.98	6,952.87	348.87	132.38	89.77	765.27	4,149.70	9,915.64	9,841.25	74.39	133.289		
18,400.00	6,953.00	11,869.98	6,952.87	351.55	132.38	89.77	765.27	4,149.70	10,014.82	9,940.43	74.40	134.611		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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	-3.64	-199.59	199.62					
100.00	100.00	103.96	103.96	0.27	0.14	-91.12	-3.90	-199.85	199.89	199.48	0.41	485.112 ES		
200.00	199.98	203.05	203.05	0.63	0.45	-154.90	-4.43	-200.58	202.22	201.14	1.08	187.055		
300.00	299.84	302.59	302.57	0.99	0.81	-155.59	-4.94	-201.60	208.01	206.21	1.80	115.414		
400.00	399.45	401.66	401.64	1.36	1.17	-156.61	-5.54	-202.75	217.17	214.65	2.53	85.976		
500.00	498.70	501.09	501.06	1.76	1.52	-157.85	-6.09	-203.93	229.64	226.38	3.25	70.578		
600.00	597.47	599.92	599.88	2.18	1.88	-159.20	-6.56	-204.97	245.30	241.31	3.98	61.577		
700.00	695.62	697.39	697.35	2.63	2.23	-160.60	-6.96	-206.05	264.38	259.67	4.71	56.094		
800.00	793.06	795.49	795.44	3.11	2.58	-161.93	-7.01	-207.30	286.99	281.54	5.44	52.709		
900.00	889.64	898.33	898.27	3.64	2.93	-163.16	-5.93	-207.06	311.35	305.16	6.18	50.366		
1,000.00	985.27	993.68	993.61	4.22	3.25	-164.18	-4.38	-206.35	338.49	331.60	6.90	49.085		
1,100.00	1,079.82	1,088.52	1,088.42	4.84	3.57	-165.11	-2.47	-205.77	369.04	361.42	7.62	48.437		
1,200.00	1,173.17	1,181.30	1,181.19	5.52	3.89	-165.95	-0.53	-205.41	403.07	394.73	8.34	48.315		
1,300.00	1,265.21	1,272.01	1,271.87	6.26	4.20	-166.67	1.70	-205.35	440.59	431.53	9.07	48.601		
1,400.00	1,355.84	1,357.01	1,356.83	7.06	4.50	-167.24	4.05	-206.14	482.14	472.37	9.77	49.353		
1,500.00	1,444.94	1,437.08	1,436.83	7.92	4.79	-167.63	6.67	-208.24	528.15	517.70	10.45	50.531		
1,600.00	1,532.39	1,510.79	1,510.41	8.84	5.05	-167.87	9.31	-211.71	578.89	567.79	11.10	52.148		
1,700.00	1,618.11	1,589.25	1,588.66	9.83	5.33	-168.11	11.89	-216.83	634.08	622.30	11.78	53.827		
1,800.00	1,701.97	1,667.00	1,666.21	10.89	5.62	-168.35	14.13	-221.91	692.26	679.80	12.46	55.559		
1,900.00	1,783.88	1,740.89	1,739.79	12.02	5.89	-168.39	17.63	-227.62	753.68	740.56	13.12	57.427		
1,991.28	1,856.86	1,801.91	1,800.31	13.11	6.12	-168.17	22.50	-233.63	812.83	799.13	13.70	59.344		
2,000.00	1,863.75	1,807.55	1,805.90	13.21	6.14	-168.18	22.99	-234.24	818.63	804.87	13.76	59.515		
2,100.00	1,942.74	1,869.90	1,867.56	14.45	6.37	-168.20	28.68	-241.44	885.58	871.24	14.34	61.743		
2,200.00	2,021.72	1,924.50	1,921.41	15.69	6.59	-168.17	33.88	-248.84	953.84	938.97	14.87	64.132		
2,300.00	2,100.71	1,986.31	1,982.21	16.95	6.83	-168.12	39.72	-258.36	1,023.38	1,007.92	15.46	66.175		
2,400.00	2,179.70	2,058.77	2,053.54	18.21	7.12	-168.11	45.87	-269.46	1,093.10	1,076.95	16.15	67.681		
2,500.00	2,258.69	2,133.82	2,127.54	19.47	7.43	-168.16	51.54	-280.59	1,162.68	1,145.82	16.86	68.955		
2,600.00	2,337.68	2,210.85	2,203.60	20.74	7.74	-168.25	56.84	-291.58	1,232.01	1,214.42	17.59	70.039		
2,700.00	2,416.66	2,292.67	2,284.44	22.02	8.08	-168.33	62.57	-302.83	1,300.97	1,282.60	18.37	70.835		
2,800.00	2,495.65	2,370.85	2,361.55	23.29	8.40	-168.31	69.78	-313.52	1,369.37	1,350.25	19.12	71.611		
2,900.00	2,574.64	2,442.53	2,432.20	24.57	8.70	-168.26	76.80	-323.43	1,437.77	1,417.94	19.83	72.508		
3,000.00	2,653.63	2,516.31	2,504.91	25.85	9.01	-168.22	84.03	-333.63	1,506.17	1,485.61	20.56	73.262		
3,100.00	2,732.62	2,590.57	2,578.14	27.14	9.33	-168.20	90.98	-343.75	1,574.52	1,553.23	21.29	73.947		
3,200.00	2,811.61	2,659.00	2,645.70	28.42	9.62	-168.21	96.83	-352.92	1,642.88	1,620.91	21.97	74.763		
3,300.00	2,890.59	2,723.47	2,709.28	29.71	9.89	-168.21	102.62	-361.96	1,711.60	1,688.98	22.62	75.654		
3,400.00	2,969.58	2,797.33	2,782.12	31.00	10.21	-168.21	109.00	-372.39	1,780.45	1,757.09	23.36	76.220		
3,500.00	3,048.57	2,866.56	2,850.38	32.29	10.51	-168.20	115.05	-382.20	1,849.32	1,825.26	24.06	76.870		
3,600.00	3,127.56	2,942.65	2,925.15	33.58	10.84	-168.13	123.36	-393.62	1,918.30	1,893.47	24.83	77.255		
3,700.00	3,206.55	3,021.02	3,002.26	34.87	11.19	-168.07	131.66	-404.84	1,986.87	1,961.24	25.63	77.529		
3,800.00	3,285.53	3,073.63	3,054.02	36.16	11.42	-168.04	137.03	-412.60	2,055.83	2,029.64	26.18	78.518		
3,900.00	3,364.52	3,137.90	3,117.19	37.45	11.71	-168.01	143.41	-422.59	2,125.38	2,098.53	26.85	79.165		
4,000.00	3,443.51	3,216.33	3,194.41	38.74	12.06	-168.00	150.31	-434.42	2,194.86	2,167.22	27.64	79.408		
4,100.00	3,522.50	3,296.85	3,273.92	40.04	12.41	-168.05	155.95	-445.79	2,264.07	2,235.63	28.44	79.606		
4,200.00	3,601.49	3,363.70	3,339.87	41.33	12.70	-168.07	161.20	-455.38	2,333.25	2,304.13	29.12	80.119		
4,300.00	3,680.47	3,440.31	3,415.24	42.63	13.04	-168.04	168.69	-466.90	2,402.49	2,372.59	29.91	80.336		
4,400.00	3,759.46	3,516.18	3,491.35	43.92	13.36	-168.01	180.11	-483.34	2,471.23	2,440.17	31.06	79.557		
4,500.00	3,838.45	3,592.35	3,567.32	45.22	13.66	-167.93	188.72	-492.53	2,539.00	2,507.23	31.77	79.921		
4,600.00	3,917.44	3,674.45	3,645.38	46.51	14.10	-167.86	195.60	-500.24	2,607.36	2,575.02	32.34	80.615		
4,700.00	3,996.43	3,745.12	3,714.59	47.81	14.43	-167.77	205.01	-511.03	2,676.03	2,642.93	33.10	80.841		
4,800.00	4,075.42	3,768.00	3,736.99	49.10	14.54	-167.74	208.08	-514.55	2,745.19	2,711.81	33.39	82.222		
4,900.00	4,154.40	3,824.43	3,792.18	50.40	14.81	-167.67	215.32	-523.80	2,814.89	2,780.89	34.00	82.779		
5,000.00	4,233.39	3,864.00	3,830.81	51.70	15.00	-167.63	219.97	-530.97	2,885.78	2,851.33	34.45	83.768		

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-20-01
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-20-01	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	4,312.38	10,134.11	7,138.14	52.99	85.16	160.18	403.55	2,347.30	2,912.55	2,857.37	55.18	52.784		
5,200.00	4,391.37	10,168.78	7,136.85	54.29	86.05	159.51	403.06	2,381.94	2,841.40	2,784.08	57.32	49.572		
5,300.00	4,470.36	10,187.00	7,136.28	55.59	86.51	159.16	402.88	2,400.15	2,771.46	2,712.08	59.38	46.675		
5,400.00	4,549.34	10,237.62	7,135.09	56.89	87.82	158.16	402.58	2,450.76	2,702.58	2,640.59	61.99	43.594		
5,500.00	4,628.33	10,282.00	7,134.54	58.18	88.96	157.27	402.51	2,495.13	2,635.11	2,570.42	64.69	40.737		
5,600.00	4,707.32	10,315.46	7,134.48	59.48	89.82	156.60	402.91	2,528.59	2,568.90	2,501.53	67.37	38.130		
5,700.00	4,786.31	10,363.31	7,135.05	60.78	91.05	155.66	404.83	2,576.40	2,503.93	2,433.55	70.38	35.577		
5,800.00	4,865.30	10,410.14	7,136.22	62.08	92.26	154.74	407.83	2,623.12	2,440.20	2,366.69	73.51	33.195		
5,900.00	4,944.28	10,456.03	7,137.57	63.38	93.44	153.82	410.65	2,668.90	2,377.83	2,301.01	76.82	30.952		
6,000.00	5,023.27	10,503.29	7,139.10	64.68	94.66	152.85	413.25	2,716.06	2,316.93	2,236.56	80.37	28.829		
6,100.00	5,102.26	10,550.57	7,140.57	65.97	95.89	151.83	415.19	2,763.27	2,257.57	2,173.42	84.16	26.826		
6,200.00	5,181.25	10,699.92	7,140.34	67.27	99.77	148.38	418.68	2,912.55	2,198.11	2,107.91	90.20	24.369		
6,300.00	5,260.24	10,745.72	7,139.28	68.57	100.96	147.26	419.42	2,958.33	2,139.73	2,045.08	94.66	22.605		
6,400.00	5,339.23	10,785.28	7,138.48	69.87	101.99	146.27	419.90	2,997.89	2,083.40	1,984.17	99.23	20.995		
6,500.00	5,418.21	10,822.38	7,137.88	71.17	102.96	145.32	420.04	3,034.97	2,029.44	1,925.45	104.00	19.514		
6,600.00	5,497.20	10,863.06	7,137.40	72.47	104.02	144.27	419.83	3,075.65	1,978.05	1,868.97	109.09	18.133		
6,700.00	5,576.19	10,927.92	7,136.54	73.77	105.72	142.55	419.43	3,140.50	1,928.97	1,813.89	115.08	16.762		
6,800.00	5,655.18	10,989.93	7,135.63	75.07	107.35	140.87	419.46	3,202.51	1,882.11	1,760.85	121.25	15.522		
6,900.00	5,734.17	11,053.60	7,135.34	76.37	109.01	139.14	420.74	3,266.16	1,837.65	1,710.00	127.65	14.396		
7,000.00	5,813.15	11,120.91	7,135.44	77.67	110.78	137.30	423.14	3,333.43	1,795.64	1,661.30	134.33	13.367		
7,100.00	5,892.14	11,163.64	7,135.61	78.97	111.90	136.11	424.92	3,376.12	1,756.43	1,615.94	140.49	12.502		
7,200.00	5,971.13	11,195.50	7,135.81	80.27	112.73	135.22	425.72	3,407.97	1,721.05	1,574.62	146.43	11.753		
7,300.00	6,050.12	11,236.00	7,136.18	81.57	113.80	134.05	425.96	3,448.47	1,689.84	1,537.13	152.71	11.066		
7,400.00	6,129.11	11,260.82	7,136.36	82.86	114.45	133.33	425.63	3,473.29	1,662.90	1,504.50	158.40	10.498		
7,500.00	6,208.09	11,294.21	7,136.38	84.16	115.33	132.34	424.59	3,506.66	1,640.54	1,476.21	164.33	9.983		
7,600.00	6,287.08	11,332.00	7,136.08	85.46	116.33	131.20	422.55	3,544.39	1,622.97	1,452.67	170.30	9.530		
7,700.00	6,366.07	11,409.48	7,134.30	86.76	118.37	128.83	417.99	3,621.71	1,609.70	1,431.71	177.99	9.044		
7,800.00	6,445.06	11,457.49	7,132.73	88.06	119.64	127.35	415.62	3,669.64	1,600.21	1,416.17	184.04	8.695		
7,900.00	6,524.05	11,496.98	7,132.15	89.36	120.68	126.14	413.65	3,709.08	1,595.67	1,406.37	189.30	8.429		
7,946.97	6,561.15	11,523.00	7,132.16	89.97	121.37	125.35	412.35	3,735.06	1,595.25	1,403.26	191.99	8.309		
8,000.00	6,603.03	11,559.09	7,132.44	90.66	122.33	124.26	410.73	3,771.12	1,595.91	1,400.65	195.26	8.173		
8,100.00	6,682.02	11,643.91	7,133.33	91.96	124.57	121.72	408.47	3,855.89	1,599.53	1,397.60	201.93	7.921		
8,133.44	6,708.44	11,664.97	7,133.52	92.40	125.13	121.09	408.08	3,876.95	1,601.57	1,397.87	203.70	7.862		
8,150.00	6,721.39	11,675.59	7,133.60	92.62	125.41	119.56	407.90	3,887.57	1,602.75	1,398.17	204.57	7.835		
8,200.00	6,758.90	11,710.21	7,133.79	93.34	126.33	115.33	407.34	3,922.18	1,606.80	1,399.59	207.21	7.755		
8,250.00	6,793.76	11,786.28	7,134.22	94.13	128.35	110.68	407.21	3,998.26	1,611.06	1,399.40	211.67	7.611		
8,300.00	6,825.72	11,847.48	7,134.63	95.00	129.97	107.07	408.51	4,059.44	1,614.82	1,399.58	215.24	7.502		
8,350.00	6,854.52	11,902.80	7,134.52	95.93	131.43	104.12	410.21	4,114.73	1,618.24	1,399.81	218.44	7.408		
8,400.00	6,879.97	11,945.35	7,134.22	96.92	132.55	101.89	411.69	4,157.26	1,621.29	1,400.31	220.98	7.337		
8,450.00	6,901.84	11,970.00	7,134.05	97.95	133.21	100.31	412.55	4,181.89	1,624.07	1,401.43	222.63	7.295 SF		
8,500.00	6,920.00	11,970.00	7,134.05	99.02	133.21	99.29	412.55	4,181.89	1,627.38	1,404.40	222.98	7.298		
8,550.00	6,934.28	11,970.00	7,134.05	100.12	133.21	98.38	412.55	4,181.89	1,631.39	1,408.30	223.09	7.313		
8,600.00	6,944.59	11,970.00	7,134.05	101.22	133.21	97.57	412.55	4,181.89	1,636.05	1,413.11	222.95	7.338		
8,650.00	6,950.84	11,970.00	7,134.05	102.33	133.21	96.84	412.55	4,181.89	1,641.33	1,418.77	222.56	7.375		
8,701.16	6,953.00	11,970.00	7,134.05	103.44	133.21	96.18	412.55	4,181.89	1,647.32	1,425.40	221.92	7.423		
8,800.00	6,953.00	11,970.00	7,134.05	105.59	133.21	96.18	412.55	4,181.89	1,662.32	1,442.21	220.12	7.552		
8,900.00	6,953.00	11,970.00	7,134.05	107.79	133.21	96.18	412.55	4,181.89	1,683.29	1,465.63	217.66	7.734		
9,000.00	6,953.00	11,970.00	7,134.05	110.02	133.21	96.18	412.55	4,181.89	1,709.85	1,495.21	214.64	7.966		
9,100.00	6,953.00	11,970.00	7,134.05	112.26	133.21	96.18	412.55	4,181.89	1,741.76	1,530.62	211.15	8.249		
9,200.00	6,953.00	11,970.00	7,134.05	114.52	133.21	96.18	412.55	4,181.89	1,778.73	1,571.46	207.27	8.582		
9,300.00	6,953.00	11,970.00	7,134.05	116.80	133.21	96.18	412.55	4,181.89	1,820.44	1,617.35	203.09	8.964		
9,400.00	6,953.00	11,970.00	7,134.05	119.10	133.21	96.18	412.55	4,181.89	1,866.59	1,667.89	198.70	9.394		

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-20-01
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-20-01	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)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)						
9,500.00	6,953.00	11,970.00	7,134.05	121.42	133.21	96.18	412.55	4,181.89	1,916.84	1,722.66	194.18	9.872		
9,600.00	6,953.00	11,970.00	7,134.05	123.75	133.21	96.18	412.55	4,181.89	1,970.89	1,781.31	189.59	10.396		
9,700.00	6,953.00	11,970.00	7,134.05	126.10	133.21	96.18	412.55	4,181.89	2,028.44	1,843.45	184.99	10.965		
9,800.00	6,953.00	11,970.00	7,134.05	128.46	133.21	96.18	412.55	4,181.89	2,089.18	1,908.76	180.43	11.579		
9,900.00	6,953.00	11,970.00	7,134.05	130.84	133.21	96.18	412.55	4,181.89	2,152.87	1,976.92	175.94	12.236		
10,000.00	6,953.00	11,970.00	7,134.05	133.23	133.21	96.18	412.55	4,181.89	2,219.23	2,047.66	171.57	12.935		
10,100.00	6,953.00	11,970.00	7,134.05	135.63	133.21	96.18	412.55	4,181.89	2,288.03	2,120.72	167.32	13.675		
10,200.00	6,953.00	11,970.00	7,134.05	138.04	133.21	96.18	412.55	4,181.89	2,359.08	2,195.86	163.22	14.454		
10,300.00	6,953.00	11,970.00	7,134.05	140.46	133.21	96.18	412.55	4,181.89	2,432.15	2,272.89	159.27	15.271		
10,400.00	6,953.00	11,970.00	7,134.05	142.90	133.21	96.18	412.55	4,181.89	2,507.09	2,351.61	155.48	16.125		
10,500.00	6,953.00	11,970.00	7,134.05	145.34	133.21	96.18	412.55	4,181.89	2,583.73	2,431.87	151.85	17.015		
10,600.00	6,953.00	11,970.00	7,134.05	147.80	133.21	96.18	412.55	4,181.89	2,661.91	2,513.52	148.39	17.938		
10,700.00	6,953.00	11,970.00	7,134.05	150.26	133.21	96.18	412.55	4,181.89	2,741.52	2,596.42	145.10	18.895		
10,800.00	6,953.00	11,970.00	7,134.05	152.73	133.21	96.18	412.55	4,181.89	2,822.42	2,680.47	141.95	19.883		
10,900.00	6,953.00	11,970.00	7,134.05	155.21	133.21	96.18	412.55	4,181.89	2,904.51	2,765.55	138.97	20.901		
11,000.00	6,953.00	11,970.00	7,134.05	157.70	133.21	96.18	412.55	4,181.89	2,987.70	2,851.57	136.13	21.948		
11,100.00	6,953.00	11,970.00	7,134.05	160.20	133.21	96.18	412.55	4,181.89	3,071.88	2,938.45	133.43	23.022		
11,200.00	6,953.00	11,970.00	7,134.05	162.70	133.21	96.18	412.55	4,181.89	3,156.99	3,026.12	130.87	24.123		
11,300.00	6,953.00	11,970.00	7,134.05	165.21	133.21	96.18	412.55	4,181.89	3,242.95	3,114.51	128.44	25.249		
11,400.00	6,953.00	11,970.00	7,134.05	167.73	133.21	96.18	412.55	4,181.89	3,329.70	3,203.56	126.13	26.398		
11,500.00	6,953.00	11,970.00	7,134.05	170.25	133.21	96.18	412.55	4,181.89	3,417.17	3,293.22	123.94	27.571		
11,600.00	6,953.00	11,970.00	7,134.05	172.78	133.21	96.18	412.55	4,181.89	3,505.30	3,383.44	121.86	28.765		
11,700.00	6,953.00	11,970.00	7,134.05	175.31	133.21	96.18	412.55	4,181.89	3,594.06	3,474.18	119.89	29.979		
11,800.00	6,953.00	11,970.00	7,134.05	177.85	133.21	96.18	412.55	4,181.89	3,683.40	3,565.39	118.01	31.212		
11,900.00	6,953.00	11,970.00	7,134.05	180.40	133.21	96.18	412.55	4,181.89	3,773.27	3,657.04	116.23	32.464		
12,000.00	6,953.00	11,970.00	7,134.05	182.95	133.21	96.18	412.55	4,181.89	3,863.64	3,749.10	114.54	33.733		
12,100.00	6,953.00	11,970.00	7,134.05	185.50	133.21	96.18	412.55	4,181.89	3,954.47	3,841.54	112.93	35.018		
12,200.00	6,953.00	11,970.00	7,134.05	188.06	133.21	96.18	412.55	4,181.89	4,045.74	3,934.34	111.40	36.318		
12,300.00	6,953.00	11,970.00	7,134.05	190.63	133.21	96.18	412.55	4,181.89	4,137.40	4,027.46	109.94	37.632		
12,400.00	6,953.00	11,970.00	7,134.05	193.20	133.21	96.18	412.55	4,181.89	4,229.45	4,120.89	108.56	38.960		
12,500.00	6,953.00	11,970.00	7,134.05	195.77	133.21	96.18	412.55	4,181.89	4,321.85	4,214.61	107.24	40.300		
12,600.00	6,953.00	11,970.00	7,134.05	198.35	133.21	96.18	412.55	4,181.89	4,414.58	4,308.60	105.99	41.653		
12,700.00	6,953.00	11,970.00	7,134.05	200.93	133.21	96.18	412.55	4,181.89	4,507.62	4,402.83	104.79	43.016		
12,800.00	6,953.00	11,970.00	7,134.05	203.51	133.21	96.18	412.55	4,181.89	4,600.96	4,497.31	103.65	44.389		
12,900.00	6,953.00	11,970.00	7,134.05	206.10	133.21	96.18	412.55	4,181.89	4,694.56	4,592.00	102.57	45.771		
13,000.00	6,953.00	11,970.00	7,134.05	208.69	133.21	96.18	412.55	4,181.89	4,788.43	4,686.90	101.53	47.163		
13,100.00	6,953.00	11,970.00	7,134.05	211.29	133.21	96.18	412.55	4,181.89	4,882.54	4,782.00	100.54	48.562		
13,200.00	6,953.00	11,970.00	7,134.05	213.88	133.21	96.18	412.55	4,181.89	4,976.88	4,877.28	99.60	49.969		
13,300.00	6,953.00	11,970.00	7,134.05	216.48	133.21	96.18	412.55	4,181.89	5,071.44	4,972.74	98.70	51.383		
13,400.00	6,953.00	11,970.00	7,134.05	219.09	133.21	96.18	412.55	4,181.89	5,166.20	5,068.36	97.84	52.802		
13,500.00	6,953.00	11,970.00	7,134.05	221.69	133.21	96.18	412.55	4,181.89	5,261.16	5,164.14	97.02	54.228		
13,600.00	6,953.00	11,970.00	7,134.05	224.30	133.21	96.18	412.55	4,181.89	5,356.30	5,260.06	96.23	55.659		
13,700.00	6,953.00	11,970.00	7,134.05	226.92	133.21	96.18	412.55	4,181.89	5,451.61	5,356.12	95.48	57.094		
13,800.00	6,953.00	11,970.00	7,134.05	229.53	133.21	96.18	412.55	4,181.89	5,547.09	5,452.32	94.77	58.533		
13,900.00	6,953.00	11,970.00	7,134.05	232.15	133.21	96.18	412.55	4,181.89	5,642.72	5,548.64	94.08	59.976		
14,000.00	6,953.00	11,970.00	7,134.05	234.77	133.21	96.18	412.55	4,181.89	5,738.51	5,645.08	93.43	61.423		
14,100.00	6,953.00	11,970.00	7,134.05	237.39	133.21	96.18	412.55	4,181.89	5,834.43	5,741.63	92.80	62.872		
14,200.00	6,953.00	11,970.00	7,134.05	240.01	133.21	96.18	412.55	4,181.89	5,930.49	5,838.29	92.20	64.323		
14,300.00	6,953.00	11,970.00	7,134.05	242.64	133.21	96.18	412.55	4,181.89	6,026.68	5,935.06	91.62	65.777		
14,400.00	6,953.00	11,970.00	7,134.05	245.27	133.21	96.18	412.55	4,181.89	6,122.99	6,031.92	91.07	67.232		
14,500.00	6,953.00	11,970.00	7,134.05	247.90	133.21	96.18	412.55	4,181.89	6,219.42	6,128.87	90.54	68.689		
14,600.00	6,953.00	11,970.00	7,134.05	250.53	133.21	96.18	412.55	4,181.89	6,315.95	6,225.91	90.04	70.147		

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-20-01
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-20-01	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		
14,700.00	6,953.00	11,970.00	7,134.05	253.16	133.21	96.18	412.55	4,181.89	6,412.60	6,323.04	89.56	71.605		
14,800.00	6,953.00	11,970.00	7,134.05	255.80	133.21	96.18	412.55	4,181.89	6,509.34	6,420.25	89.09	73.064		
14,900.00	6,953.00	11,970.00	7,134.05	258.43	133.21	96.18	412.55	4,181.89	6,606.18	6,517.54	88.65	74.523		
15,000.00	6,953.00	11,970.00	7,134.05	261.07	133.21	96.18	412.55	4,181.89	6,703.12	6,614.90	88.22	75.981		
15,100.00	6,953.00	11,970.00	7,134.05	263.71	133.21	96.18	412.55	4,181.89	6,800.14	6,712.33	87.81	77.440		
15,200.00	6,953.00	11,970.00	7,134.05	266.36	133.21	96.18	412.55	4,181.89	6,897.25	6,809.83	87.42	78.897		
15,300.00	6,953.00	11,970.00	7,134.05	269.00	133.21	96.18	412.55	4,181.89	6,994.44	6,907.40	87.05	80.354		
15,400.00	6,953.00	11,970.00	7,134.05	271.65	133.21	96.18	412.55	4,181.89	7,091.71	7,005.03	86.69	81.810		
15,500.00	6,953.00	11,970.00	7,134.05	274.29	133.21	96.18	412.55	4,181.89	7,189.05	7,102.71	86.34	83.265		
15,600.00	6,953.00	11,970.00	7,134.05	276.94	133.21	96.18	412.55	4,181.89	7,286.47	7,200.46	86.01	84.718		
15,700.00	6,953.00	11,970.00	7,134.05	279.59	133.21	96.18	412.55	4,181.89	7,383.95	7,298.26	85.69	86.169		
15,800.00	6,953.00	11,970.00	7,134.05	282.24	133.21	96.18	412.55	4,181.89	7,481.50	7,396.12	85.39	87.619		
15,900.00	6,953.00	11,970.00	7,134.05	284.90	133.21	96.18	412.55	4,181.89	7,579.12	7,494.02	85.10	89.066		
16,000.00	6,953.00	11,970.00	7,134.05	287.55	133.21	96.18	412.55	4,181.89	7,676.80	7,591.98	84.82	90.512		
16,100.00	6,953.00	11,970.00	7,134.05	290.20	133.21	96.18	412.55	4,181.89	7,774.53	7,689.98	84.55	91.955		
16,200.00	6,953.00	11,970.00	7,134.05	292.86	133.21	96.18	412.55	4,181.89	7,872.32	7,788.03	84.29	93.396		
16,300.00	6,953.00	11,970.00	7,134.05	295.52	133.21	96.18	412.55	4,181.89	7,970.17	7,886.13	84.04	94.835		
16,400.00	6,953.00	11,970.00	7,134.05	298.18	133.21	96.18	412.55	4,181.89	8,068.07	7,984.26	83.81	96.270		
16,500.00	6,953.00	11,970.00	7,134.05	300.84	133.21	96.18	412.55	4,181.89	8,166.02	8,082.44	83.58	97.703		
16,600.00	6,953.00	11,970.00	7,134.05	303.50	133.21	96.18	412.55	4,181.89	8,264.02	8,180.66	83.36	99.133		
16,700.00	6,953.00	11,970.00	7,134.05	306.16	133.21	96.18	412.55	4,181.89	8,362.07	8,278.91	83.15	100.560		
16,800.00	6,953.00	11,970.00	7,134.05	308.82	133.21	96.18	412.55	4,181.89	8,460.16	8,377.20	82.96	101.984		
16,900.00	6,953.00	11,970.00	7,134.05	311.49	133.21	96.18	412.55	4,181.89	8,558.30	8,475.53	82.76	103.405		
17,000.00	6,953.00	11,970.00	7,134.05	314.15	133.21	96.18	412.55	4,181.89	8,656.47	8,573.89	82.58	104.823		
17,100.00	6,953.00	11,970.00	7,134.05	316.82	133.21	96.18	412.55	4,181.89	8,754.70	8,672.29	82.41	106.237		
17,200.00	6,953.00	11,970.00	7,134.05	319.48	133.21	96.18	412.55	4,181.89	8,852.96	8,770.72	82.24	107.648		
17,300.00	6,953.00	11,970.00	7,134.05	322.15	133.21	96.18	412.55	4,181.89	8,951.25	8,869.17	82.08	109.055		
17,400.00	6,953.00	11,970.00	7,134.05	324.82	133.21	96.18	412.55	4,181.89	9,049.59	8,967.66	81.93	110.459		
17,500.00	6,953.00	11,970.00	7,134.05	327.49	133.21	96.18	412.55	4,181.89	9,147.96	9,066.18	81.78	111.859		
17,600.00	6,953.00	11,970.00	7,134.05	330.16	133.21	96.18	412.55	4,181.89	9,246.37	9,164.73	81.64	113.255		
17,700.00	6,953.00	11,970.00	7,134.05	332.83	133.21	96.18	412.55	4,181.89	9,344.81	9,263.30	81.51	114.648		
17,800.00	6,953.00	11,970.00	7,134.05	335.50	133.21	96.18	412.55	4,181.89	9,443.29	9,361.90	81.38	116.037		
17,900.00	6,953.00	11,970.00	7,134.05	338.17	133.21	96.18	412.55	4,181.89	9,541.79	9,460.53	81.26	117.422		
18,000.00	6,953.00	11,970.00	7,134.05	340.85	133.21	96.18	412.55	4,181.89	9,640.33	9,559.18	81.15	118.803		
18,100.00	6,953.00	11,970.00	7,134.05	343.52	133.21	96.18	412.55	4,181.89	9,738.89	9,657.86	81.04	120.181		
18,200.00	6,953.00	11,970.00	7,134.05	346.19	133.21	96.18	412.55	4,181.89	9,837.49	9,756.56	80.93	121.554		
18,300.00	6,953.00	11,970.00	7,134.05	348.87	133.21	96.18	412.55	4,181.89	9,936.11	9,855.28	80.83	122.923		
18,400.00	6,953.00	11,970.00	7,134.05	351.55	133.21	96.18	412.55	4,181.89	10,034.76	9,954.03	80.74	124.289		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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	3.97	3.97	0.00	0.01	-91.05	-3.28	-179.52	179.55					
100.00	100.00	103.11	103.11	0.27	0.14	-91.00	-3.13	-179.77	179.80	179.39	0.41	437.834 ES		
200.00	199.98	202.00	201.99	0.63	0.45	-154.54	-2.78	-180.55	182.16	181.08	1.08	169.097		
300.00	299.84	300.63	300.61	0.99	0.80	-155.05	-2.43	-181.94	188.30	186.50	1.80	104.815		
400.00	399.45	399.46	399.43	1.36	1.16	-155.92	-2.11	-183.81	198.10	195.58	2.52	78.637		
500.00	498.70	500.15	500.10	1.76	1.52	-157.12	-1.93	-185.45	210.90	207.65	3.25	64.910		
600.00	597.47	598.65	598.60	2.18	1.87	-158.52	-1.95	-186.67	226.63	222.66	3.98	56.976		
700.00	695.62	695.70	695.63	2.63	2.22	-159.95	-1.90	-188.05	245.91	241.20	4.71	52.250		
800.00	793.06	791.77	791.68	3.11	2.57	-161.28	-1.48	-190.10	269.19	263.75	5.43	49.534		
900.00	889.64	895.86	895.76	3.64	2.93	-162.62	-0.36	-190.65	294.20	288.02	6.18	47.582		
1,000.00	985.27	991.68	991.57	4.22	3.26	-163.82	0.78	-190.16	321.60	314.69	6.91	46.569		
1,100.00	1,079.82	1,086.40	1,086.28	4.84	3.58	-164.92	2.08	-189.75	352.41	344.78	7.63	46.170		
1,200.00	1,173.17	1,179.34	1,179.22	5.52	3.90	-165.94	3.30	-189.36	386.58	378.22	8.36	46.253		
1,300.00	1,265.21	1,268.27	1,268.14	6.26	4.21	-167.01	3.16	-189.24	424.63	415.57	9.06	46.848		
1,400.00	1,355.84	1,357.52	1,357.39	7.06	4.51	-168.05	2.52	-189.42	466.42	456.64	9.77	47.722		
1,500.00	1,444.94	1,444.04	1,443.91	7.92	4.82	-168.93	1.94	-189.93	511.77	501.29	10.48	48.839		
1,600.00	1,532.39	1,530.51	1,530.38	8.84	5.12	-169.70	1.45	-190.71	560.50	549.31	11.19	50.082		
1,700.00	1,618.11	1,610.33	1,610.18	9.83	5.40	-170.31	1.07	-191.83	612.70	600.83	11.87	51.603		
1,800.00	1,701.97	1,683.86	1,683.69	10.89	5.67	-170.79	0.61	-193.57	668.71	656.19	12.52	53.412		
1,900.00	1,783.88	1,745.09	1,744.84	12.02	5.89	-170.97	1.02	-196.71	729.34	716.25	13.09	55.728		
1,991.28	1,856.86	1,796.82	1,796.37	13.11	6.08	-170.97	2.14	-200.96	788.76	775.18	13.57	58.104		
2,000.00	1,863.75	1,801.56	1,801.09	13.21	6.09	-170.98	2.26	-201.42	794.62	781.00	13.62	58.324		
2,100.00	1,942.74	1,857.00	1,856.15	14.45	6.30	-171.14	3.92	-207.70	862.85	848.71	14.13	61.050		
2,200.00	2,021.72	1,903.35	1,902.02	15.69	6.47	-171.21	5.34	-214.16	932.85	918.28	14.57	64.038		
2,300.00	2,100.71	1,953.00	1,950.99	16.95	6.66	-171.27	6.54	-222.29	1,004.61	989.58	15.02	66.872		
2,400.00	2,179.70	2,016.01	2,013.03	18.21	6.90	-171.37	7.40	-233.23	1,077.31	1,061.71	15.59	69.082		
2,500.00	2,258.69	2,083.42	2,079.46	19.47	7.17	-171.53	7.56	-244.70	1,150.07	1,133.86	16.21	70.958		
2,600.00	2,337.68	2,150.57	2,145.57	20.74	7.44	-171.62	8.23	-256.41	1,222.93	1,206.11	16.82	72.691		
2,700.00	2,416.66	2,221.76	2,215.67	22.02	7.73	-171.70	9.09	-268.83	1,295.75	1,278.27	17.48	74.129		
2,800.00	2,495.65	2,287.82	2,280.72	23.29	8.00	-171.77	9.89	-280.32	1,368.53	1,350.43	18.09	75.636		
2,900.00	2,574.64	2,351.83	2,343.66	24.57	8.27	-171.78	11.31	-291.88	1,441.50	1,422.81	18.69	77.109		
3,000.00	2,653.63	2,415.46	2,406.17	25.85	8.53	-171.78	12.92	-303.66	1,514.69	1,495.40	19.30	78.498		
3,100.00	2,732.62	2,483.38	2,472.88	27.14	8.83	-171.78	14.59	-316.34	1,588.01	1,568.07	19.94	79.643		
3,200.00	2,811.61	2,556.84	2,545.06	28.42	9.14	-171.79	16.10	-329.86	1,661.25	1,640.62	20.63	80.511		
3,300.00	2,890.59	2,636.25	2,623.22	29.71	9.48	-171.84	17.36	-343.85	1,734.08	1,712.70	21.38	81.097		
3,400.00	2,969.58	2,711.05	2,696.82	31.00	9.81	-171.83	19.46	-356.99	1,806.60	1,784.51	22.10	81.764		
3,500.00	3,048.57	2,788.44	2,772.96	32.29	10.14	-171.80	22.40	-370.56	1,878.86	1,856.02	22.84	82.276		
3,600.00	3,127.56	2,861.92	2,865.10	33.58	10.55	-171.80	25.46	-386.02	1,950.60	1,926.88	23.72	82.237		
3,700.00	3,206.55	2,947.90	2,930.25	34.87	10.83	-171.81	27.35	-396.24	2,021.74	1,997.39	24.36	83.006		
3,800.00	3,285.53	3,004.00	2,985.57	36.16	11.07	-171.82	29.07	-405.44	2,093.41	2,068.50	24.91	84.049		
3,900.00	3,364.52	3,082.18	3,062.64	37.45	11.42	-171.82	31.37	-418.34	2,165.19	2,139.53	25.66	84.389		
4,000.00	3,443.51	3,164.71	3,144.13	38.74	11.77	-171.85	33.32	-431.26	2,236.55	2,210.11	26.44	84.579		
4,100.00	3,522.50	3,253.23	3,231.68	40.04	12.15	-171.92	34.76	-444.28	2,307.47	2,280.19	27.28	84.591		
4,200.00	3,601.49	3,315.34	3,293.17	41.33	12.41	-171.97	35.52	-452.96	2,378.03	2,350.15	27.88	85.298		
4,300.00	3,680.47	3,356.50	3,333.87	42.63	12.59	-172.01	35.85	-459.13	2,449.32	2,421.02	28.30	86.563		
4,400.00	3,759.46	3,386.00	3,362.99	43.92	12.72	-172.03	35.99	-463.83	2,521.47	2,492.87	28.60	88.153		
4,500.00	3,838.45	3,442.64	3,418.79	45.22	12.97	-172.07	36.39	-473.51	2,594.23	2,565.08	29.16	88.969		
4,600.00	3,917.44	3,527.75	3,502.42	46.51	13.36	-172.07	38.08	-489.21	2,667.61	2,637.63	29.98	88.971		
4,700.00	3,996.43	3,627.38	3,600.32	47.81	13.81	-171.98	43.53	-506.87	2,739.44	2,708.48	30.95	88.500		
4,800.00	4,075.42	3,672.00	3,644.11	49.10	14.01	-171.93	46.33	-514.94	2,811.54	2,780.12	31.42	89.488		
4,900.00	4,154.40	3,721.72	3,692.88	50.40	14.24	-171.89	49.06	-524.21	2,884.16	2,852.23	31.93	90.335		
5,000.00	4,233.39	3,768.00	3,738.26	51.70	14.46	-171.86	50.83	-533.11	2,957.48	2,925.08	32.40	91.273		

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-20-01
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-20-01	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	4,312.38	3,827.43	3,796.54	52.99	14.74	-171.85	52.54	-544.67	3,031.17	2,998.18	33.00	91.857		
5,200.00	4,391.37	10,207.30	7,278.46	54.29	84.00	156.18	107.30	2,313.47	3,065.53	3,003.01	62.53	49.028		
5,300.00	4,470.36	10,256.18	7,278.91	55.59	85.25	155.37	109.05	2,362.33	3,000.79	2,935.66	65.14	46.070		
5,400.00	4,549.34	10,307.61	7,279.55	56.89	86.57	154.50	111.01	2,413.71	2,937.07	2,869.16	67.92	43.246		
5,500.00	4,628.33	10,360.32	7,280.03	58.18	87.92	153.57	112.40	2,466.40	2,874.38	2,803.50	70.89	40.550		
5,600.00	4,707.32	10,416.23	7,280.29	59.48	89.36	152.56	113.13	2,522.31	2,812.78	2,738.69	74.09	37.963		
5,700.00	4,786.31	10,473.37	7,280.30	60.78	90.84	151.49	113.45	2,579.44	2,752.29	2,674.78	77.51	35.509		
5,800.00	4,865.30	10,514.63	7,280.16	62.08	91.91	150.70	113.14	2,620.71	2,693.15	2,612.30	80.85	33.310		
5,900.00	4,944.28	10,554.78	7,279.86	63.38	92.94	149.90	112.11	2,660.83	2,635.65	2,551.28	84.36	31.242		
6,000.00	5,023.27	10,601.20	7,279.38	64.68	94.15	148.95	110.20	2,707.22	2,579.87	2,491.67	88.20	29.250		
6,100.00	5,102.26	10,651.31	7,278.80	65.97	95.45	147.91	107.90	2,757.27	2,525.79	2,433.48	92.32	27.360		
6,200.00	5,181.25	10,693.98	7,278.40	67.27	96.56	147.01	105.93	2,799.89	2,473.57	2,377.13	96.44	25.648		
6,300.00	5,260.24	10,735.89	7,278.50	68.57	97.65	146.12	104.40	2,841.78	2,423.44	2,322.74	100.69	24.067		
6,400.00	5,339.23	10,801.30	7,279.47	69.87	99.36	144.74	102.91	2,907.16	2,375.36	2,269.70	105.66	22.481		
6,500.00	5,418.21	10,871.77	7,280.69	71.17	101.20	143.24	102.72	2,977.62	2,328.65	2,217.75	110.90	20.997		
6,600.00	5,497.20	10,910.88	7,281.53	72.47	102.22	142.40	102.64	3,016.71	2,284.18	2,168.63	115.54	19.769		
6,700.00	5,576.19	10,951.00	7,282.58	73.77	103.27	141.52	102.30	3,056.82	2,242.30	2,121.95	120.35	18.632		
6,800.00	5,655.18	11,024.77	7,284.11	75.07	105.20	139.88	101.26	3,130.57	2,202.70	2,076.44	126.26	17.446		
6,900.00	5,734.17	11,096.79	7,284.74	76.37	107.09	138.24	100.15	3,202.58	2,165.11	2,032.78	132.34	16.361		
7,000.00	5,813.15	11,178.64	7,285.10	77.67	109.24	136.35	99.57	3,284.42	2,129.66	1,990.80	138.86	15.337		
7,100.00	5,892.14	11,252.82	7,285.34	78.97	111.19	134.63	100.47	3,358.60	2,096.04	1,950.79	145.25	14.431		
7,200.00	5,971.13	11,289.10	7,285.23	80.27	112.14	133.77	100.57	3,394.88	2,065.44	1,914.86	150.57	13.717		
7,300.00	6,050.12	11,332.00	7,284.74	81.57	113.27	132.73	99.84	3,437.76	2,038.36	1,882.21	156.16	13.053		
7,400.00	6,129.11	11,366.69	7,284.17	82.86	114.18	131.89	98.82	3,472.43	2,014.85	1,853.41	161.44	12.481		
7,500.00	6,208.09	11,411.59	7,283.36	84.16	115.37	130.78	97.26	3,517.30	1,994.92	1,827.89	167.03	11.943		
7,600.00	6,287.08	11,453.94	7,282.62	85.46	116.48	129.73	95.59	3,559.61	1,978.68	1,806.25	172.43	11.475		
7,700.00	6,366.07	11,496.01	7,282.28	86.76	117.60	128.69	93.90	3,601.65	1,966.28	1,788.63	177.65	11.068		
7,800.00	6,445.06	11,556.47	7,282.41	88.06	119.19	127.20	91.53	3,662.06	1,957.66	1,774.20	183.46	10.671		
7,900.00	6,524.05	11,646.04	7,282.63	89.36	121.56	124.99	89.36	3,751.60	1,951.89	1,761.58	190.31	10.257		
8,000.00	6,603.03	11,730.36	7,282.90	90.66	123.79	122.92	88.90	3,835.92	1,948.75	1,752.05	196.70	9.907		
8,053.86	6,645.58	11,767.40	7,282.96	91.36	124.77	122.01	89.02	3,872.96	1,948.29	1,748.58	199.71	9.756		
8,100.00	6,682.02	11,799.05	7,282.95	91.96	125.61	121.24	89.23	3,904.61	1,948.63	1,746.41	202.22	9.636		
8,133.44	6,708.44	11,821.82	7,282.91	92.40	126.21	120.68	89.43	3,927.37	1,949.30	1,745.30	204.00	9.555		
8,150.00	6,721.39	11,833.29	7,282.89	92.62	126.51	119.25	89.55	3,938.84	1,949.76	1,744.88	204.88	9.517		
8,200.00	6,758.90	11,870.85	7,282.80	93.34	127.51	115.37	90.03	3,976.40	1,951.50	1,743.93	207.58	9.401		
8,250.00	6,793.76	11,940.24	7,282.68	94.13	129.34	111.45	91.52	4,045.77	1,953.59	1,742.13	211.46	9.238		
8,300.00	6,825.72	12,027.39	7,283.44	95.00	131.64	107.85	96.18	4,132.79	1,954.61	1,738.74	215.87	9.055		
8,350.00	6,854.52	12,067.90	7,283.92	95.93	132.70	105.64	98.75	4,173.22	1,955.48	1,737.05	218.43	8.952		
8,400.00	6,879.97	12,105.00	7,284.37	96.92	133.68	103.88	101.10	4,210.24	1,956.19	1,735.37	220.81	8.859		
8,450.00	6,901.84	12,105.00	7,284.37	97.95	133.68	102.88	101.10	4,210.24	1,957.20	1,735.51	221.69	8.829		
8,500.00	6,920.00	12,105.00	7,284.37	99.02	133.68	102.03	101.10	4,210.24	1,958.87	1,736.49	222.38	8.809		
8,550.00	6,934.28	12,105.00	7,284.37	100.12	133.68	101.29	101.10	4,210.24	1,961.19	1,738.31	222.88	8.799 SF		
8,600.00	6,944.59	12,105.00	7,284.37	101.22	133.68	100.64	101.10	4,210.24	1,964.12	1,740.94	223.18	8.801		
8,650.00	6,950.84	12,105.00	7,284.37	102.33	133.68	100.08	101.10	4,210.24	1,967.65	1,744.38	223.28	8.813		
8,701.16	6,953.00	12,105.00	7,284.37	103.44	133.68	99.59	101.10	4,210.24	1,971.86	1,748.69	223.16	8.836		
8,800.00	6,953.00	12,105.00	7,284.37	105.59	133.68	99.59	101.10	4,210.24	1,982.96	1,760.47	222.50	8.912		
8,900.00	6,953.00	12,105.00	7,284.37	107.79	133.68	99.59	101.10	4,210.24	1,999.12	1,777.77	221.35	9.032		
9,000.00	6,953.00	12,105.00	7,284.37	110.02	133.68	99.59	101.10	4,210.24	2,020.10	1,800.36	219.75	9.193		
9,100.00	6,953.00	12,105.00	7,284.37	112.26	133.68	99.59	101.10	4,210.24	2,045.76	1,828.02	217.74	9.395		
9,200.00	6,953.00	12,105.00	7,284.37	114.52	133.68	99.59	101.10	4,210.24	2,075.93	1,860.55	215.38	9.639		
9,300.00	6,953.00	12,105.00	7,284.37	116.80	133.68	99.59	101.10	4,210.24	2,110.41	1,897.71	212.70	9.922		
9,400.00	6,953.00	12,105.00	7,284.37	119.10	133.68	99.59	101.10	4,210.24	2,148.99	1,939.23	209.76	10.245		

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-20-01
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-20-01	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					
9,500.00	6,953.00	12,105.00	7,284.37	121.42	133.68	99.59	101.10	4,210.24	2,191.46	1,984.85	206.61	10.607					
9,600.00	6,953.00	12,105.00	7,284.37	123.75	133.68	99.59	101.10	4,210.24	2,237.59	2,034.31	203.29	11.007					
9,700.00	6,953.00	12,105.00	7,284.37	126.10	133.68	99.59	101.10	4,210.24	2,287.17	2,087.32	199.85	11.444					
9,800.00	6,953.00	12,105.00	7,284.37	128.46	133.68	99.59	101.10	4,210.24	2,339.98	2,143.64	196.34	11.918					
9,900.00	6,953.00	12,105.00	7,284.37	130.84	133.68	99.59	101.10	4,210.24	2,395.80	2,203.02	192.78	12.428					
10,000.00	6,953.00	12,105.00	7,284.37	133.23	133.68	99.59	101.10	4,210.24	2,454.42	2,265.21	189.21	12.972					
10,100.00	6,953.00	12,105.00	7,284.37	135.63	133.68	99.59	101.10	4,210.24	2,515.65	2,330.00	185.65	13.551					
10,200.00	6,953.00	12,105.00	7,284.37	138.04	133.68	99.59	101.10	4,210.24	2,579.31	2,397.18	182.13	14.162					
10,300.00	6,953.00	12,105.00	7,284.37	140.46	133.68	99.59	101.10	4,210.24	2,645.22	2,466.56	178.66	14.806					
10,400.00	6,953.00	12,105.00	7,284.37	142.90	133.68	99.59	101.10	4,210.24	2,713.21	2,537.95	175.26	15.481					
10,500.00	6,953.00	12,105.00	7,284.37	145.34	133.68	99.59	101.10	4,210.24	2,783.14	2,611.20	171.94	16.187					
10,600.00	6,953.00	12,105.00	7,284.37	147.80	133.68	99.59	101.10	4,210.24	2,854.85	2,686.15	168.71	16.922					
10,700.00	6,953.00	12,105.00	7,284.37	150.26	133.68	99.59	101.10	4,210.24	2,928.23	2,762.66	165.57	17.686					
10,800.00	6,953.00	12,105.00	7,284.37	152.73	133.68	99.59	101.10	4,210.24	3,003.14	2,840.61	162.53	18.477					
10,900.00	6,953.00	12,105.00	7,284.37	155.21	133.68	99.59	101.10	4,210.24	3,079.48	2,919.88	159.60	19.295					
11,000.00	6,953.00	12,105.00	7,284.37	157.70	133.68	99.59	101.10	4,210.24	3,157.14	3,000.38	156.76	20.140					
11,100.00	6,953.00	12,105.00	7,284.37	160.20	133.68	99.59	101.10	4,210.24	3,236.03	3,081.99	154.03	21.009					
11,200.00	6,953.00	12,105.00	7,284.37	162.70	133.68	99.59	101.10	4,210.24	3,316.05	3,164.65	151.40	21.902					
11,300.00	6,953.00	12,105.00	7,284.37	165.21	133.68	99.59	101.10	4,210.24	3,397.14	3,248.26	148.87	22.819					
11,400.00	6,953.00	12,105.00	7,284.37	167.73	133.68	99.59	101.10	4,210.24	3,479.21	3,332.76	146.44	23.758					
11,500.00	6,953.00	12,105.00	7,284.37	170.25	133.68	99.59	101.10	4,210.24	3,562.19	3,418.08	144.11	24.719					
11,600.00	6,953.00	12,105.00	7,284.37	172.78	133.68	99.59	101.10	4,210.24	3,646.03	3,504.17	141.86	25.701					
11,700.00	6,953.00	12,105.00	7,284.37	175.31	133.68	99.59	101.10	4,210.24	3,730.67	3,590.95	139.71	26.702					
11,800.00	6,953.00	12,105.00	7,284.37	177.85	133.68	99.59	101.10	4,210.24	3,816.05	3,678.40	137.65	27.723					
11,900.00	6,953.00	12,105.00	7,284.37	180.40	133.68	99.59	101.10	4,210.24	3,902.12	3,766.45	135.67	28.763					
12,000.00	6,953.00	12,105.00	7,284.37	182.95	133.68	99.59	101.10	4,210.24	3,988.84	3,855.08	133.77	29.820					
12,100.00	6,953.00	12,105.00	7,284.37	185.50	133.68	99.59	101.10	4,210.24	4,076.18	3,944.23	131.94	30.894					
12,200.00	6,953.00	12,105.00	7,284.37	188.06	133.68	99.59	101.10	4,210.24	4,164.08	4,033.89	130.19	31.984					
12,300.00	6,953.00	12,105.00	7,284.37	190.63	133.68	99.59	101.10	4,210.24	4,252.52	4,124.00	128.52	33.090					
12,400.00	6,953.00	12,105.00	7,284.37	193.20	133.68	99.59	101.10	4,210.24	4,341.45	4,214.55	126.91	34.210					
12,500.00	6,953.00	12,105.00	7,284.37	195.77	133.68	99.59	101.10	4,210.24	4,430.86	4,305.50	125.36	35.345					
12,600.00	6,953.00	12,105.00	7,284.37	198.35	133.68	99.59	101.10	4,210.24	4,520.72	4,396.84	123.88	36.493					
12,700.00	6,953.00	12,105.00	7,284.37	200.93	133.68	99.59	101.10	4,210.24	4,610.99	4,488.54	122.45	37.655					
12,800.00	6,953.00	12,105.00	7,284.37	203.51	133.68	99.59	101.10	4,210.24	4,701.66	4,580.57	121.09	38.828					
12,900.00	6,953.00	12,105.00	7,284.37	206.10	133.68	99.59	101.10	4,210.24	4,792.69	4,672.92	119.78	40.014					
13,000.00	6,953.00	12,105.00	7,284.37	208.69	133.68	99.59	101.10	4,210.24	4,884.08	4,765.56	118.52	41.210					
13,100.00	6,953.00	12,105.00	7,284.37	211.29	133.68	99.59	101.10	4,210.24	4,975.80	4,858.49	117.31	42.417					
13,200.00	6,953.00	12,105.00	7,284.37	213.88	133.68	99.59	101.10	4,210.24	5,067.83	4,951.69	116.14	43.634					
13,300.00	6,953.00	12,105.00	7,284.37	216.48	133.68	99.59	101.10	4,210.24	5,160.16	5,045.13	115.02	44.861					
13,400.00	6,953.00	12,105.00	7,284.37	219.09	133.68	99.59	101.10	4,210.24	5,252.77	5,138.82	113.95	46.097					
13,500.00	6,953.00	12,105.00	7,284.37	221.69	133.68	99.59	101.10	4,210.24	5,345.64	5,232.73	112.92	47.341					
13,600.00	6,953.00	12,105.00	7,284.37	224.30	133.68	99.59	101.10	4,210.24	5,438.77	5,326.85	111.92	48.594					
13,700.00	6,953.00	12,105.00	7,284.37	226.92	133.68	99.59	101.10	4,210.24	5,532.14	5,421.17	110.97	49.854					
13,800.00	6,953.00	12,105.00	7,284.37	229.53	133.68	99.59	101.10	4,210.24	5,625.74	5,515.69	110.05	51.122					
13,900.00	6,953.00	12,105.00	7,284.37	232.15	133.68	99.59	101.10	4,210.24	5,719.55	5,610.39	109.16	52.396					
14,000.00	6,953.00	12,105.00	7,284.37	234.77	133.68	99.59	101.10	4,210.24	5,813.57	5,705.26	108.31	53.676					
14,100.00	6,953.00	12,105.00	7,284.37	237.39	133.68	99.59	101.10	4,210.24	5,907.79	5,800.30	107.49	54.963					
14,200.00	6,953.00	12,105.00	7,284.37	240.01	133.68	99.59	101.10	4,210.24	6,002.19	5,895.49	106.70	56.255					
14,300.00	6,953.00	12,105.00	7,284.37	242.64	133.68	99.59	101.10	4,210.24	6,096.77	5,990.83	105.93	57.552					
14,400.00	6,953.00	12,105.00	7,284.37	245.27	133.68	99.59	101.10	4,210.24	6,191.52	6,086.32	105.20	58.854					
14,500.00	6,953.00	12,105.00	7,284.37	247.90	133.68	99.59	101.10	4,210.24	6,286.44	6,181.94	104.49	60.161					
14,600.00	6,953.00	12,105.00	7,284.37	250.53	133.68	99.59	101.10	4,210.24	6,381.50	6,277.69	103.81	61.472					

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-20-01
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-20-01	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		
14,700.00	6,953.00	12,105.00	7,284.37	253.16	133.68	99.59	101.10	4,210.24	6,476.72	6,373.57	103.15	62.787		
14,800.00	6,953.00	12,105.00	7,284.37	255.80	133.68	99.59	101.10	4,210.24	6,572.08	6,469.56	102.52	64.105		
14,900.00	6,953.00	12,105.00	7,284.37	258.43	133.68	99.59	101.10	4,210.24	6,667.58	6,565.67	101.91	65.427		
15,000.00	6,953.00	12,105.00	7,284.37	261.07	133.68	99.59	101.10	4,210.24	6,763.21	6,661.89	101.32	66.752		
15,100.00	6,953.00	12,105.00	7,284.37	263.71	133.68	99.59	101.10	4,210.24	6,858.96	6,758.21	100.75	68.079		
15,200.00	6,953.00	12,105.00	7,284.37	266.36	133.68	99.59	101.10	4,210.24	6,954.83	6,854.63	100.20	69.409		
15,300.00	6,953.00	12,105.00	7,284.37	269.00	133.68	99.59	101.10	4,210.24	7,050.81	6,951.14	99.67	70.742		
15,400.00	6,953.00	12,105.00	7,284.37	271.65	133.68	99.59	101.10	4,210.24	7,146.91	7,047.75	99.16	72.076		
15,500.00	6,953.00	12,105.00	7,284.37	274.29	133.68	99.59	101.10	4,210.24	7,243.11	7,144.44	98.66	73.412		
15,600.00	6,953.00	12,105.00	7,284.37	276.94	133.68	99.59	101.10	4,210.24	7,339.41	7,241.22	98.19	74.749		
15,700.00	6,953.00	12,105.00	7,284.37	279.59	133.68	99.59	101.10	4,210.24	7,435.81	7,338.08	97.73	76.088		
15,800.00	6,953.00	12,105.00	7,284.37	282.24	133.68	99.59	101.10	4,210.24	7,532.31	7,435.02	97.28	77.427		
15,900.00	6,953.00	12,105.00	7,284.37	284.90	133.68	99.59	101.10	4,210.24	7,628.89	7,532.04	96.85	78.768		
16,000.00	6,953.00	12,105.00	7,284.37	287.55	133.68	99.59	101.10	4,210.24	7,725.56	7,629.12	96.44	80.109		
16,100.00	6,953.00	12,105.00	7,284.37	290.20	133.68	99.59	101.10	4,210.24	7,822.32	7,726.28	96.04	81.451		
16,200.00	6,953.00	12,105.00	7,284.37	292.86	133.68	99.59	101.10	4,210.24	7,919.15	7,823.50	95.65	82.793		
16,300.00	6,953.00	12,105.00	7,284.37	295.52	133.68	99.59	101.10	4,210.24	8,016.07	7,920.79	95.28	84.136		
16,400.00	6,953.00	12,105.00	7,284.37	298.18	133.68	99.59	101.10	4,210.24	8,113.05	8,018.14	94.91	85.478		
16,500.00	6,953.00	12,105.00	7,284.37	300.84	133.68	99.59	101.10	4,210.24	8,210.11	8,115.55	94.56	86.820		
16,600.00	6,953.00	12,105.00	7,284.37	303.50	133.68	99.59	101.10	4,210.24	8,307.24	8,213.02	94.23	88.162		
16,700.00	6,953.00	12,105.00	7,284.37	306.16	133.68	99.59	101.10	4,210.24	8,404.44	8,310.54	93.90	89.503		
16,800.00	6,953.00	12,105.00	7,284.37	308.82	133.68	99.59	101.10	4,210.24	8,501.70	8,408.12	93.59	90.844		
16,900.00	6,953.00	12,105.00	7,284.37	311.49	133.68	99.59	101.10	4,210.24	8,599.03	8,505.75	93.28	92.184		
17,000.00	6,953.00	12,105.00	7,284.37	314.15	133.68	99.59	101.10	4,210.24	8,696.42	8,603.43	92.99	93.523		
17,100.00	6,953.00	12,105.00	7,284.37	316.82	133.68	99.59	101.10	4,210.24	8,793.86	8,701.16	92.70	94.861		
17,200.00	6,953.00	12,105.00	7,284.37	319.48	133.68	99.59	101.10	4,210.24	8,891.36	8,798.94	92.43	96.198		
17,300.00	6,953.00	12,105.00	7,284.37	322.15	133.68	99.59	101.10	4,210.24	8,988.92	8,896.76	92.16	97.534		
17,400.00	6,953.00	12,105.00	7,284.37	324.82	133.68	99.59	101.10	4,210.24	9,086.53	8,994.62	91.91	98.869		
17,500.00	6,953.00	12,105.00	7,284.37	327.49	133.68	99.59	101.10	4,210.24	9,184.19	9,092.53	91.66	100.202		
17,600.00	6,953.00	12,105.00	7,284.37	330.16	133.68	99.59	101.10	4,210.24	9,281.90	9,190.48	91.42	101.533		
17,700.00	6,953.00	12,105.00	7,284.37	332.83	133.68	99.59	101.10	4,210.24	9,379.66	9,288.47	91.19	102.863		
17,800.00	6,953.00	12,105.00	7,284.37	335.50	133.68	99.59	101.10	4,210.24	9,477.46	9,386.50	90.96	104.191		
17,900.00	6,953.00	12,105.00	7,284.37	338.17	133.68	99.59	101.10	4,210.24	9,575.32	9,484.57	90.75	105.517		
18,000.00	6,953.00	12,105.00	7,284.37	340.85	133.68	99.59	101.10	4,210.24	9,673.21	9,582.67	90.54	106.842		
18,100.00	6,953.00	12,105.00	7,284.37	343.52	133.68	99.59	101.10	4,210.24	9,771.15	9,680.81	90.34	108.164		
18,200.00	6,953.00	12,105.00	7,284.37	346.19	133.68	99.59	101.10	4,210.24	9,869.13	9,778.99	90.14	109.484		
18,300.00	6,953.00	12,105.00	7,284.37	348.87	133.68	99.59	101.10	4,210.24	9,967.15	9,877.19	89.95	110.802		
18,400.00	6,953.00	12,105.00	7,284.37	351.55	133.68	99.59	101.10	4,210.24	10,065.20	9,975.43	89.77	112.118		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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	88.96	0.36	20.07	20.07					
100.00	100.00	100.00	100.00	0.27	0.27	88.96	0.36	20.07	20.07	19.54	0.54	37.331		
200.00	199.98	199.98	199.98	0.63	0.63	27.86	0.36	20.07	18.51	17.26	1.25	14.778		
300.00	299.84	299.38	299.36	0.99	0.98	34.50	0.96	21.69	15.60	13.64	1.96	7.948		
400.00	399.45	398.90	398.74	1.36	1.34	45.25	2.77	26.54	13.22	10.54	2.68	4.932		
500.00	498.70	498.53	497.99	1.76	1.71	60.96	5.78	34.64	11.80	8.37	3.43	3.437		
549.83	547.98	548.23	547.37	1.96	1.90	70.18	7.73	39.88	11.61	7.77	3.84	3.026 CC		
600.00	597.47	598.28	597.00	2.18	2.09	79.64	9.99	45.98	11.81	7.56	4.25	2.777		
700.00	695.62	698.15	695.64	2.63	2.50	96.47	15.42	60.56	13.38	8.25	5.13	2.609		
800.00	793.06	798.12	793.79	3.11	2.95	108.58	22.04	78.38	16.18	10.15	6.03	2.682		
900.00	889.64	898.21	891.32	3.64	3.42	116.41	29.86	99.43	19.83	12.86	6.97	2.844		
1,000.00	985.27	998.40	988.11	4.22	3.94	121.30	38.88	123.68	24.05	16.09	7.96	3.022		
1,100.00	1,079.82	1,098.71	1,084.04	4.84	4.51	124.30	49.08	151.12	28.69	19.68	9.00	3.186		
1,200.00	1,173.17	1,199.11	1,178.98	5.52	5.13	126.09	60.45	181.73	33.68	23.55	10.13	3.325		
1,300.00	1,265.21	1,299.63	1,272.82	6.26	5.81	127.09	72.99	215.47	38.98	27.63	11.34	3.436		
1,400.00	1,355.84	1,400.24	1,365.43	7.06	6.54	127.54	86.69	252.32	44.56	31.90	12.66	3.520		
1,500.00	1,444.94	1,500.96	1,456.70	7.92	7.34	127.63	101.52	292.23	50.41	36.32	14.08	3.579		
1,600.00	1,532.39	1,601.77	1,546.50	8.84	8.21	127.47	117.48	335.17	56.52	40.89	15.63	3.616		
1,700.00	1,618.11	1,702.68	1,634.71	9.83	9.14	127.12	134.55	381.09	62.88	45.58	17.30	3.634		
1,800.00	1,701.97	1,803.68	1,721.23	10.89	10.15	126.64	152.71	429.94	69.49	50.39	19.11	3.637		
1,900.00	1,783.88	1,904.78	1,805.93	12.02	11.23	126.07	171.94	481.66	76.35	55.30	21.05	3.626		
1,991.28	1,856.86	1,996.73	1,881.31	13.11	12.27	125.58	190.28	531.01	82.89	59.95	22.94	3.613		
2,000.00	1,863.75	2,005.42	1,888.40	13.21	12.37	125.58	192.03	535.74	83.56	60.44	23.12	3.614		
2,100.00	1,942.74	2,105.13	1,969.68	14.45	13.54	125.62	212.15	589.85	91.26	66.06	25.19	3.622		
2,200.00	2,021.72	2,204.83	2,050.97	15.69	14.71	125.65	232.26	643.97	98.95	71.66	27.29	3.626		
2,300.00	2,100.71	2,304.54	2,132.26	16.95	15.89	125.67	252.38	698.09	106.64	77.25	29.39	3.628		
2,400.00	2,179.70	2,404.24	2,213.54	18.21	17.08	125.69	272.49	752.21	114.33	82.82	31.52	3.628		
2,500.00	2,258.69	2,503.94	2,294.83	19.47	18.28	125.71	292.61	806.33	122.02	88.38	33.65	3.627		
2,600.00	2,337.68	2,603.65	2,376.11	20.74	19.48	125.73	312.73	860.44	129.72	93.93	35.79	3.625		
2,700.00	2,416.66	2,703.35	2,457.40	22.02	20.68	125.75	332.84	914.56	137.41	99.47	37.94	3.622		
2,800.00	2,495.65	2,803.05	2,538.69	23.29	21.89	125.76	352.96	968.68	145.10	105.01	40.09	3.619		
2,900.00	2,574.64	2,902.76	2,619.97	24.57	23.10	125.77	373.07	1,022.80	152.79	110.54	42.25	3.616		
3,000.00	2,653.63	3,002.46	2,701.26	25.85	24.32	125.79	393.19	1,076.92	160.48	116.07	44.41	3.613		
3,100.00	2,732.62	3,102.17	2,782.54	27.14	25.53	125.80	413.30	1,131.04	168.18	121.59	46.58	3.610		
3,200.00	2,811.61	3,201.87	2,863.83	28.42	26.75	125.81	433.42	1,185.15	175.87	127.12	48.75	3.607		
3,300.00	2,890.59	3,301.57	2,945.12	29.71	27.97	125.81	453.53	1,239.27	183.56	132.63	50.93	3.604		
3,400.00	2,969.58	3,401.28	3,026.40	31.00	29.19	125.82	473.65	1,293.39	191.25	138.15	53.10	3.602		
3,500.00	3,048.57	3,500.98	3,107.69	32.29	30.41	125.83	493.76	1,347.51	198.95	143.66	55.28	3.599		
3,600.00	3,127.56	3,600.68	3,188.97	33.58	31.63	125.84	513.88	1,401.63	206.64	149.18	57.46	3.596		
3,700.00	3,206.55	3,700.39	3,270.26	34.87	32.85	125.84	533.99	1,455.75	214.33	154.69	59.65	3.593		
3,800.00	3,285.53	3,800.09	3,351.55	36.16	34.08	125.85	554.11	1,509.86	222.02	160.19	61.83	3.591		
3,900.00	3,364.52	3,899.79	3,432.83	37.45	35.30	125.85	574.23	1,563.98	229.71	165.70	64.01	3.588		
4,000.00	3,443.51	3,999.50	3,514.12	38.74	36.52	125.86	594.34	1,618.10	237.41	171.21	66.20	3.586		
4,100.00	3,522.50	4,099.20	3,595.40	40.04	37.75	125.86	614.46	1,672.22	245.10	176.71	68.39	3.584		
4,200.00	3,601.49	4,198.91	3,676.69	41.33	38.98	125.87	634.57	1,726.34	252.79	182.21	70.58	3.582		
4,300.00	3,680.47	4,298.61	3,757.98	42.63	40.20	125.87	654.69	1,780.46	260.48	187.72	72.77	3.580		
4,400.00	3,759.46	4,398.31	3,839.26	43.92	41.43	125.88	674.80	1,834.57	268.18	193.22	74.96	3.578		
4,500.00	3,838.45	4,498.02	3,920.55	45.22	42.66	125.88	694.92	1,888.69	275.87	198.72	77.15	3.576		
4,600.00	3,917.44	4,597.72	4,001.83	46.51	43.89	125.88	715.03	1,942.81	283.56	204.22	79.34	3.574		
4,700.00	3,996.43	4,697.42	4,083.12	47.81	45.11	125.89	735.15	1,996.93	291.25	209.72	81.53	3.572		
4,800.00	4,075.42	4,797.13	4,164.41	49.10	46.34	125.89	755.26	2,051.05	298.94	215.22	83.73	3.570		
4,900.00	4,154.40	4,896.83	4,245.69	50.40	47.57	125.89	775.38	2,105.17	306.64	220.72	85.92	3.569		

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-20-01
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-20-01	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	4,233.39	4,996.54	4,326.98	51.70	48.80	125.90	795.49	2,159.28	314.33	226.21	88.11	3.567		
5,100.00	4,312.38	5,096.24	4,408.26	52.99	50.03	125.90	815.61	2,213.40	322.02	231.71	90.31	3.566		
5,200.00	4,391.37	5,195.94	4,489.55	54.29	51.26	125.90	835.73	2,267.52	329.71	237.21	92.50	3.564		
5,300.00	4,470.36	5,295.65	4,570.84	55.59	52.49	125.90	855.84	2,321.64	337.41	242.71	94.70	3.563		
5,400.00	4,549.34	5,395.35	4,652.12	56.89	53.72	125.91	875.96	2,375.76	345.10	248.20	96.90	3.562		
5,500.00	4,628.33	5,495.05	4,733.41	58.18	54.95	125.91	896.07	2,429.88	352.79	253.70	99.09	3.560		
5,600.00	4,707.32	5,594.76	4,814.69	59.48	56.18	125.91	916.19	2,483.99	360.48	259.19	101.29	3.559		
5,700.00	4,786.31	5,694.46	4,895.98	60.78	57.41	125.91	936.30	2,538.11	368.18	264.69	103.49	3.558		
5,800.00	4,865.30	5,794.17	4,977.27	62.08	58.64	125.91	956.42	2,592.23	375.87	270.18	105.68	3.557		
5,900.00	4,944.28	5,893.87	5,058.55	63.38	59.87	125.92	976.53	2,646.35	383.56	275.68	107.88	3.555		
6,000.00	5,023.27	5,993.57	5,139.84	64.68	61.10	125.92	996.65	2,700.47	391.25	281.17	110.08	3.554		
6,100.00	5,102.26	6,093.28	5,221.12	65.97	62.33	125.92	1,016.76	2,754.59	398.94	286.67	112.28	3.553		
6,200.00	5,181.25	6,192.98	5,302.41	67.27	63.56	125.92	1,036.88	2,808.70	406.64	292.16	114.48	3.552		
6,300.00	5,260.24	6,292.68	5,383.70	68.57	64.80	125.92	1,057.00	2,862.82	414.33	297.65	116.68	3.551		
6,400.00	5,339.23	6,392.39	5,464.98	69.87	66.03	125.92	1,077.11	2,916.94	422.02	303.15	118.87	3.550		
6,500.00	5,418.21	6,492.09	5,546.27	71.17	67.26	125.93	1,097.23	2,971.06	429.71	308.64	121.07	3.549		
6,600.00	5,497.20	6,591.79	5,627.55	72.47	68.49	125.93	1,117.34	3,025.18	437.41	314.13	123.27	3.548		
6,700.00	5,576.19	6,691.50	5,708.84	73.77	69.72	125.93	1,137.46	3,079.30	445.10	319.63	125.47	3.547		
6,800.00	5,655.18	6,791.20	5,790.12	75.07	70.95	125.93	1,157.57	3,133.41	452.79	325.12	127.67	3.547		
6,900.00	5,734.17	6,890.91	5,871.41	76.37	72.19	125.93	1,177.69	3,187.53	460.48	330.61	129.87	3.546		
7,000.00	5,813.15	6,990.61	5,952.70	77.67	73.42	125.93	1,197.80	3,241.65	468.17	336.10	132.07	3.545		
7,100.00	5,892.14	7,090.31	6,033.98	78.97	74.65	125.93	1,217.92	3,295.77	475.87	341.60	134.27	3.544		
7,200.00	5,971.13	7,190.02	6,115.27	80.27	75.88	125.94	1,238.03	3,349.89	483.56	347.09	136.47	3.543		
7,300.00	6,050.12	7,289.72	6,196.55	81.57	77.11	125.94	1,258.15	3,404.01	491.25	352.58	138.67	3.543		
7,400.00	6,129.11	7,389.42	6,277.84	82.86	78.35	125.94	1,278.26	3,458.12	498.94	358.07	140.87	3.542		
7,500.00	6,208.09	7,489.13	6,359.13	84.16	79.58	125.94	1,298.38	3,512.24	506.64	363.56	143.07	3.541		
7,600.00	6,287.08	7,588.83	6,440.41	85.46	80.81	125.94	1,318.50	3,566.36	514.33	369.05	145.27	3.540		
7,700.00	6,366.07	7,688.54	6,521.70	86.76	82.04	125.94	1,338.61	3,620.48	522.02	374.55	147.47	3.540		
7,800.00	6,445.06	7,788.24	6,602.98	88.06	83.28	125.94	1,358.73	3,674.60	529.71	380.04	149.67	3.539		
7,900.00	6,524.05	7,887.94	6,684.27	89.36	84.51	125.94	1,378.84	3,728.72	537.40	385.53	151.88	3.538		
8,000.00	6,603.03	7,987.65	6,765.56	90.66	85.74	125.94	1,398.96	3,782.83	545.10	391.02	154.08	3.538		
8,100.00	6,682.02	8,087.35	6,846.84	91.96	86.97	125.94	1,419.07	3,836.95	552.79	396.51	156.28	3.537		
8,133.44	6,708.44	8,120.70	6,874.03	92.40	87.39	125.94	1,425.80	3,855.05	555.36	398.35	157.01	3.537		
8,150.00	6,721.39	8,137.20	6,887.48	92.62	87.59	124.74	1,429.13	3,864.01	556.65	399.30	157.35	3.538		
8,200.00	6,758.90	8,186.89	6,927.99	93.34	88.20	121.87	1,439.15	3,890.98	560.72	402.68	158.04	3.548		
8,250.00	6,793.76	8,236.05	6,968.07	94.13	88.81	119.98	1,449.07	3,917.67	565.10	406.90	158.20	3.572		
8,300.00	6,825.72	8,284.31	7,007.42	95.00	89.41	118.90	1,458.81	3,943.86	569.96	412.13	157.82	3.611		
8,350.00	6,854.52	8,336.01	7,049.26	95.93	90.07	118.57	1,469.16	3,972.39	575.41	418.37	157.04	3.664		
8,400.00	6,879.97	8,394.87	7,094.05	96.92	90.90	118.73	1,480.26	4,008.91	580.96	424.40	156.56	3.711		
8,450.00	6,901.84	8,456.26	7,136.61	97.95	91.90	119.09	1,490.82	4,051.81	586.39	429.86	156.53	3.746		
8,500.00	6,920.00	8,520.27	7,175.99	99.02	93.06	119.61	1,500.60	4,101.28	591.54	434.54	157.00	3.768		
8,550.00	6,934.28	8,586.96	7,211.05	100.12	94.38	120.24	1,509.33	4,157.30	596.27	438.22	158.05	3.773		
8,600.00	6,944.59	8,656.30	7,240.54	101.22	95.84	120.94	1,516.70	4,219.57	600.42	440.68	159.74	3.759		
8,650.00	6,950.84	8,728.13	7,263.16	102.33	97.43	121.67	1,522.38	4,287.46	603.83	441.72	162.11	3.725		
8,701.16	6,953.00	8,803.93	7,277.90	103.44	99.15	122.43	1,526.14	4,361.66	606.40	441.15	165.25	3.670		
8,800.00	6,953.00	8,929.35	7,283.00	105.59	101.99	122.92	1,527.60	4,486.84	607.21	435.86	171.35	3.544		
8,900.00	6,953.00	9,029.35	7,283.00	107.79	104.26	122.94	1,527.77	4,586.84	606.90	431.54	175.36	3.461		
9,000.00	6,953.00	9,129.35	7,283.00	110.02	106.55	122.96	1,527.93	4,686.84	606.58	427.18	179.40	3.381		
9,100.00	6,953.00	9,229.35	7,283.00	112.26	108.86	122.98	1,528.10	4,786.84	606.27	422.80	183.46	3.305		
9,200.00	6,953.00	9,329.35	7,283.00	114.52	111.18	123.00	1,528.26	4,886.84	605.95	418.40	187.55	3.231		
9,300.00	6,953.00	9,429.35	7,283.00	116.80	113.53	123.02	1,528.43	4,986.84	605.64	413.97	191.66	3.160		
9,400.00	6,953.00	9,529.35	7,283.00	119.10	115.89	123.04	1,528.59	5,086.83	605.32	409.53	195.79	3.092		

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-20-01
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-20-01	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	6,953.00	9,629.34	7,283.00	121.42	118.26	123.06	1,528.76	5,186.83	605.01	405.06	199.95	3.026		
9,600.00	6,953.00	9,729.34	7,283.00	123.75	120.65	123.08	1,528.92	5,286.83	604.69	400.58	204.11	2.963		
9,700.00	6,953.00	9,829.34	7,283.00	126.10	123.05	123.09	1,529.09	5,386.83	604.38	396.08	208.30	2.901		
9,800.00	6,953.00	9,929.34	7,283.00	128.46	125.47	123.11	1,529.25	5,486.83	604.06	391.56	212.50	2.843		
9,900.00	6,953.00	10,029.34	7,283.00	130.84	127.89	123.13	1,529.42	5,586.83	603.75	387.03	216.72	2.786		
10,000.00	6,953.00	10,129.34	7,283.00	133.23	130.33	123.15	1,529.59	5,686.83	603.43	382.48	220.95	2.731		
10,100.00	6,953.00	10,229.34	7,283.00	135.63	132.78	123.17	1,529.75	5,786.83	603.12	377.93	225.19	2.678		
10,200.00	6,953.00	10,329.34	7,283.00	138.04	135.24	123.19	1,529.92	5,886.83	602.80	373.36	229.45	2.627		
10,300.00	6,953.00	10,429.34	7,283.00	140.46	137.71	123.21	1,530.08	5,986.83	602.49	368.78	233.71	2.578		
10,400.00	6,953.00	10,529.34	7,283.00	142.90	140.19	123.23	1,530.25	6,086.83	602.17	364.18	237.99	2.530		
10,500.00	6,953.00	10,629.34	7,283.00	145.34	142.68	123.25	1,530.41	6,186.82	601.86	359.58	242.27	2.484		
10,600.00	6,953.00	10,729.34	7,283.00	147.80	145.17	123.27	1,530.58	6,286.82	601.54	354.97	246.57	2.440		
10,700.00	6,953.00	10,829.34	7,283.00	150.26	147.67	123.29	1,530.74	6,386.82	601.23	350.35	250.87	2.397		
10,800.00	6,953.00	10,929.34	7,283.00	152.73	150.18	123.31	1,530.91	6,486.82	600.91	345.73	255.19	2.355		
10,900.00	6,953.00	11,029.33	7,283.00	155.21	152.70	123.33	1,531.07	6,586.82	600.60	341.09	259.51	2.314		
11,000.00	6,953.00	11,129.33	7,283.00	157.70	155.23	123.35	1,531.24	6,686.82	600.29	336.45	263.83	2.275		
11,100.00	6,953.00	11,229.33	7,283.00	160.20	157.76	123.37	1,531.41	6,786.82	599.97	331.80	268.17	2.237		
11,200.00	6,953.00	11,329.33	7,283.00	162.70	160.30	123.39	1,531.57	6,886.82	599.66	327.15	272.51	2.201		
11,300.00	6,953.00	11,429.33	7,283.00	165.21	162.84	123.41	1,531.74	6,986.82	599.34	322.49	276.85	2.165		
11,400.00	6,953.00	11,529.33	7,283.00	167.73	165.39	123.43	1,531.90	7,086.82	599.03	317.82	281.21	2.130		
11,500.00	6,953.00	11,629.33	7,283.00	170.25	167.94	123.45	1,532.07	7,186.82	598.72	313.15	285.56	2.097		
11,600.00	6,953.00	11,729.33	7,283.00	172.78	170.50	123.47	1,532.23	7,286.82	598.40	308.48	289.92	2.064		
11,700.00	6,953.00	11,829.33	7,283.00	175.31	173.06	123.49	1,532.40	7,386.81	598.09	303.80	294.29	2.032		
11,800.00	6,953.00	11,929.33	7,283.00	177.85	175.63	123.51	1,532.56	7,486.81	597.77	299.12	298.66	2.002		
11,900.00	6,953.00	12,029.33	7,283.00	180.40	178.21	123.53	1,532.73	7,586.81	597.46	294.43	303.03	1.972		
12,000.00	6,953.00	12,129.33	7,283.00	182.95	180.78	123.55	1,532.89	7,686.81	597.15	289.74	307.41	1.943		
12,100.00	6,953.00	12,229.33	7,283.00	185.50	183.37	123.57	1,533.06	7,786.81	596.83	285.04	311.79	1.914		
12,200.00	6,953.00	12,329.33	7,283.00	188.06	185.95	123.59	1,533.23	7,886.81	596.52	280.34	316.18	1.887		
12,300.00	6,953.00	12,429.33	7,283.00	190.63	188.54	123.61	1,533.39	7,986.81	596.21	275.64	320.56	1.860		
12,400.00	6,953.00	12,529.32	7,283.00	193.20	191.13	123.63	1,533.56	8,086.81	595.89	270.94	324.95	1.834		
12,500.00	6,953.00	12,629.32	7,283.00	195.77	193.73	123.65	1,533.72	8,186.81	595.58	266.24	329.35	1.808		
12,600.00	6,953.00	12,729.32	7,283.00	198.35	196.33	123.67	1,533.89	8,286.81	595.27	261.53	333.74	1.784		
12,700.00	6,953.00	12,829.32	7,283.00	200.93	198.93	123.69	1,534.05	8,386.81	594.96	256.82	338.14	1.760		
12,800.00	6,953.00	12,929.32	7,283.00	203.51	201.54	123.71	1,534.22	8,486.81	594.64	252.10	342.54	1.736		
12,900.00	6,953.00	13,029.32	7,283.00	206.10	204.15	123.73	1,534.38	8,586.80	594.33	247.39	346.94	1.713		
13,000.00	6,953.00	13,129.32	7,283.00	208.69	206.76	123.75	1,534.55	8,686.80	594.02	242.68	351.34	1.691		
13,100.00	6,953.00	13,229.32	7,283.00	211.29	209.38	123.77	1,534.71	8,786.80	593.70	237.96	355.75	1.669		
13,200.00	6,953.00	13,329.32	7,283.00	213.88	211.99	123.79	1,534.88	8,886.80	593.39	233.24	360.15	1.648		
13,300.00	6,953.00	13,429.32	7,283.00	216.48	214.61	123.81	1,535.05	8,986.80	593.08	228.52	364.56	1.627		
13,400.00	6,953.00	13,529.32	7,283.00	219.09	217.23	123.83	1,535.21	9,086.80	592.77	223.80	368.97	1.607		
13,500.00	6,953.00	13,629.32	7,283.00	221.69	219.86	123.85	1,535.38	9,186.80	592.45	219.08	373.38	1.587		
13,600.00	6,953.00	13,729.32	7,283.00	224.30	222.49	123.87	1,535.54	9,286.80	592.14	214.35	377.79	1.567		
13,700.00	6,953.00	13,829.32	7,283.00	226.92	225.12	123.89	1,535.71	9,386.80	591.83	209.63	382.20	1.548		
13,800.00	6,953.00	13,929.31	7,283.00	229.53	227.75	123.91	1,535.87	9,486.80	591.52	204.91	386.61	1.530		
13,900.00	6,953.00	14,029.31	7,283.00	232.15	230.38	123.93	1,536.04	9,586.80	591.21	200.18	391.02	1.512		
14,000.00	6,953.00	14,129.31	7,283.00	234.77	233.02	123.95	1,536.20	9,686.80	590.89	195.46	395.44	1.494 Level 3		
14,100.00	6,953.00	14,229.31	7,283.00	237.39	235.65	123.97	1,536.37	9,786.79	590.58	190.73	399.85	1.477 Level 3		
14,200.00	6,953.00	14,329.31	7,283.00	240.01	238.29	123.99	1,536.53	9,886.79	590.27	186.01	404.26	1.460 Level 3		
14,300.00	6,953.00	14,429.31	7,283.00	242.64	240.93	124.01	1,536.70	9,986.79	589.96	181.28	408.68	1.444 Level 3		
14,400.00	6,953.00	14,529.31	7,283.00	245.27	243.57	124.03	1,536.87	10,086.79	589.65	176.55	413.09	1.427 Level 3		
14,500.00	6,953.00	14,629.31	7,283.00	247.90	246.22	124.05	1,537.03	10,186.79	589.34	171.83	417.51	1.412 Level 3		
14,600.00	6,953.00	14,729.31	7,283.00	250.53	248.86	124.07	1,537.20	10,286.79	589.02	167.10	421.92	1.396 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-20-01
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-20-01	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		
14,700.00	6,953.00	14,829.31	7,283.00	253.16	251.51	124.09	1,537.36	10,386.79	588.71	162.38	426.34	1.381	Level 3	
14,800.00	6,953.00	14,929.31	7,283.00	255.80	254.16	124.11	1,537.53	10,486.79	588.40	157.65	430.75	1.366	Level 3	
14,900.00	6,953.00	15,029.31	7,283.00	258.43	256.81	124.13	1,537.69	10,586.79	588.09	152.92	435.17	1.351	Level 3	
15,000.00	6,953.00	15,129.31	7,283.00	261.07	259.46	124.16	1,537.86	10,686.79	587.78	148.20	439.58	1.337	Level 3	
15,100.00	6,953.00	15,229.31	7,283.00	263.71	262.12	124.18	1,538.02	10,786.79	587.47	143.47	443.99	1.323	Level 3	
15,200.00	6,953.00	15,329.30	7,283.00	266.36	264.77	124.20	1,538.19	10,886.79	587.16	138.75	448.41	1.309	Level 3	
15,300.00	6,953.00	15,429.30	7,283.00	269.00	267.43	124.22	1,538.35	10,986.78	586.84	134.03	452.82	1.296	Level 3	
15,400.00	6,953.00	15,529.30	7,283.00	271.65	270.08	124.24	1,538.52	11,086.78	586.53	129.30	457.23	1.283	Level 3	
15,500.00	6,953.00	15,629.30	7,283.00	274.29	272.74	124.26	1,538.69	11,186.78	586.22	124.58	461.64	1.270	Level 3	
15,600.00	6,953.00	15,729.30	7,283.00	276.94	275.40	124.28	1,538.85	11,286.78	585.91	119.86	466.05	1.257	Level 3	
15,700.00	6,953.00	15,829.30	7,283.00	279.59	278.06	124.30	1,539.02	11,386.78	585.60	115.14	470.47	1.245	Level 2	
15,800.00	6,953.00	15,929.30	7,283.00	282.24	280.72	124.32	1,539.18	11,486.78	585.29	110.42	474.88	1.233	Level 2	
15,900.00	6,953.00	16,029.30	7,283.00	284.90	283.39	124.34	1,539.35	11,586.78	584.98	105.70	479.29	1.221	Level 2	
16,000.00	6,953.00	16,129.30	7,283.00	287.55	286.05	124.36	1,539.51	11,686.78	584.67	100.98	483.69	1.209	Level 2	
16,100.00	6,953.00	16,229.30	7,283.00	290.20	288.72	124.38	1,539.68	11,786.78	584.36	96.26	488.10	1.197	Level 2	
16,200.00	6,953.00	16,329.30	7,283.00	292.86	291.38	124.40	1,539.84	11,886.78	584.05	91.54	492.51	1.186	Level 2	
16,300.00	6,953.00	16,429.30	7,283.00	295.52	294.05	124.42	1,540.01	11,986.78	583.74	86.82	496.91	1.175	Level 2	
16,400.00	6,953.00	16,529.30	7,283.00	298.18	296.72	124.45	1,540.17	12,086.78	583.43	82.11	501.32	1.164	Level 2	
16,500.00	6,953.00	16,629.30	7,283.00	300.84	299.39	124.47	1,540.34	12,186.77	583.12	77.39	505.72	1.153	Level 2	
16,600.00	6,953.00	16,729.29	7,283.00	303.50	302.06	124.49	1,540.50	12,286.77	582.81	72.68	510.13	1.142	Level 2	
16,700.00	6,953.00	16,829.29	7,283.00	306.16	304.73	124.51	1,540.67	12,386.77	582.50	67.97	514.53	1.132	Level 2	
16,800.00	6,953.00	16,929.29	7,283.00	308.82	307.40	124.53	1,540.84	12,486.77	582.19	63.26	518.93	1.122	Level 2	
16,900.00	6,953.00	17,029.29	7,283.00	311.49	310.07	124.55	1,541.00	12,586.77	581.88	58.55	523.33	1.112	Level 2	
17,000.00	6,953.00	17,129.29	7,283.00	314.15	312.74	124.57	1,541.17	12,686.77	581.57	53.84	527.73	1.102	Level 2	
17,100.00	6,953.00	17,229.29	7,283.00	316.82	315.42	124.59	1,541.33	12,786.77	581.26	49.13	532.13	1.092	Level 2	
17,200.00	6,953.00	17,329.29	7,283.00	319.48	318.09	124.61	1,541.50	12,886.77	580.95	44.43	536.52	1.083	Level 2	
17,300.00	6,953.00	17,429.29	7,283.00	322.15	320.77	124.63	1,541.66	12,986.77	580.64	39.72	540.92	1.073	Level 2	
17,400.00	6,953.00	17,529.29	7,283.00	324.82	323.44	124.66	1,541.83	13,086.77	580.33	35.02	545.31	1.064	Level 2	
17,500.00	6,953.00	17,629.29	7,283.00	327.49	326.12	124.68	1,541.99	13,186.77	580.02	30.32	549.70	1.055	Level 2	
17,600.00	6,953.00	17,729.29	7,283.00	330.16	328.80	124.70	1,542.16	13,286.77	579.71	25.62	554.10	1.046	Level 2	
17,700.00	6,953.00	17,829.29	7,283.00	332.83	331.48	124.72	1,542.32	13,386.76	579.40	20.92	558.49	1.037	Level 2	
17,800.00	6,953.00	17,929.29	7,283.00	335.50	334.16	124.74	1,542.49	13,486.76	579.09	16.22	562.87	1.029	Level 2	
17,900.00	6,953.00	18,029.29	7,283.00	338.17	336.84	124.76	1,542.66	13,586.76	578.79	11.52	567.26	1.020	Level 2	
18,000.00	6,953.00	18,129.28	7,283.00	340.85	339.52	124.78	1,542.82	13,686.76	578.48	6.83	571.65	1.012	Level 2	
18,100.00	6,953.00	18,229.28	7,283.00	343.52	342.20	124.80	1,542.99	13,786.76	578.17	2.14	576.03	1.004	Level 2	
18,200.00	6,953.00	18,329.28	7,283.00	346.19	344.88	124.83	1,543.15	13,886.76	577.86	-2.55	580.41	0.996	Level 1	
18,300.00	6,953.00	18,429.28	7,283.00	348.87	347.56	124.85	1,543.32	13,986.76	577.55	-7.24	584.79	0.988	Level 1	
18,400.00	6,953.00	18,529.28	7,283.00	351.55	350.24	124.87	1,543.48	14,086.76	577.24	-11.93	589.17	0.980	Level 1	
18,500.00	6,953.00	18,629.28	7,283.00	354.22	352.93	124.89	1,543.65	14,186.76	576.93	-16.62	593.55	0.972	Level 1	
18,600.00	6,953.00	18,729.28	7,283.00	356.90	355.61	124.91	1,543.81	14,286.76	576.62	-21.30	597.93	0.964	Level 1	
18,700.00	6,953.00	18,829.28	7,283.00	359.58	358.29	124.93	1,543.98	14,386.76	576.32	-25.99	602.30	0.957	Level 1	
18,800.00	6,953.00	18,929.28	7,283.00	362.26	360.98	124.95	1,544.14	14,486.76	576.01	-30.67	606.68	0.949	Level 1	
18,900.00	6,953.00	19,029.28	7,283.00	364.94	363.66	124.97	1,544.31	14,586.75	575.70	-35.35	611.05	0.942	Level 1	
19,000.00	6,953.00	19,129.28	7,283.00	367.62	366.35	125.00	1,544.48	14,686.75	575.39	-40.03	615.42	0.935	Level 1	
19,073.74	6,953.00	19,203.02	7,283.00	369.59	368.33	125.01	1,544.60	14,760.50	575.16	-43.48	618.64	0.930	Level 1, ES, SF	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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	89.48	0.36	40.14	40.14					
100.00	100.00	100.00	100.00	0.27	0.27	89.48	0.36	40.14	40.14	39.60	0.54	74.653		
200.00	199.98	199.98	199.98	0.63	0.63	27.19	0.36	40.14	38.58	37.33	1.25	30.796		
300.00	299.84	299.84	299.84	0.99	0.99	31.27	0.36	40.14	34.01	32.04	1.97	17.235		
400.00	399.45	398.58	398.56	1.36	1.33	39.40	0.70	41.80	28.49	25.80	2.68	10.615		
500.00	498.70	497.53	497.37	1.76	1.69	52.63	1.73	46.81	24.40	20.99	3.41	7.149		
597.29	594.79	593.98	593.47	2.16	2.04	70.35	3.38	54.91	22.86	18.68	4.18	5.474 CC		
600.00	597.47	596.67	596.14	2.18	2.05	70.88	3.43	55.18	22.86	18.66	4.20	5.446 ES		
700.00	695.62	696.01	694.75	2.63	2.43	89.90	5.83	66.92	24.72	19.67	5.05	4.898		
800.00	793.06	795.53	793.06	3.11	2.83	104.67	8.92	82.03	29.73	23.79	5.93	5.010		
900.00	889.64	895.22	890.94	3.64	3.26	114.30	12.69	100.51	36.97	30.12	6.85	5.398		
1,000.00	985.27	995.07	988.27	4.22	3.73	120.19	17.15	122.35	45.74	37.93	7.81	5.858		
1,100.00	1,079.82	1,095.07	1,084.90	4.84	4.24	123.71	22.29	147.55	55.63	46.80	8.83	6.299		
1,200.00	1,173.17	1,195.21	1,180.71	5.52	4.80	125.74	28.12	176.07	66.43	56.50	9.93	6.689		
1,300.00	1,265.21	1,295.48	1,275.57	6.26	5.41	126.84	34.61	207.91	78.02	66.90	11.12	7.016		
1,400.00	1,355.84	1,395.88	1,369.35	7.06	6.08	127.32	41.78	243.02	90.37	77.96	12.41	7.281		
1,500.00	1,444.94	1,496.39	1,461.92	7.92	6.81	127.39	49.61	281.37	103.43	89.61	13.81	7.487		
1,600.00	1,532.39	1,597.01	1,553.15	8.84	7.60	127.19	58.10	322.93	117.18	101.84	15.34	7.640		
1,700.00	1,618.11	1,697.73	1,642.93	9.83	8.46	126.78	67.23	367.65	131.61	114.62	16.99	7.747		
1,800.00	1,701.97	1,798.54	1,731.13	10.89	9.40	126.25	76.99	415.48	146.71	127.93	18.77	7.814		
1,900.00	1,783.88	1,899.43	1,817.62	12.02	10.41	125.62	87.38	466.36	162.47	141.77	20.70	7.848		
1,991.28	1,856.86	1,991.59	1,894.99	13.11	11.40	124.98	97.39	515.42	177.42	154.83	22.59	7.854		
2,000.00	1,863.75	2,000.41	1,902.31	13.21	11.49	124.94	98.38	520.24	178.87	156.10	22.77	7.854		
2,100.00	1,942.74	2,101.58	1,985.16	14.45	12.66	123.97	109.99	577.12	194.79	169.75	25.04	7.780		
2,200.00	2,021.72	2,201.31	2,065.15	15.69	13.87	122.41	121.90	635.48	209.75	182.29	27.46	7.637		
2,300.00	2,100.71	2,300.04	2,144.18	16.95	15.10	121.01	133.74	693.46	224.75	194.83	29.92	7.512		
2,400.00	2,179.70	2,398.77	2,223.20	18.21	16.33	119.79	145.58	751.44	239.87	207.47	32.40	7.404		
2,500.00	2,258.69	2,497.50	2,302.23	19.47	17.58	118.71	157.42	809.43	255.08	220.19	34.89	7.310		
2,600.00	2,337.68	2,596.23	2,381.26	20.74	18.83	117.76	169.25	867.41	270.37	232.97	37.40	7.229		
2,700.00	2,416.66	2,694.96	2,460.28	22.02	20.09	116.90	181.09	925.40	285.73	245.81	39.92	7.158		
2,800.00	2,495.65	2,793.69	2,539.31	23.29	21.36	116.14	192.93	983.38	301.14	258.69	42.44	7.095		
2,900.00	2,574.64	2,892.42	2,618.33	24.57	22.63	115.44	204.77	1,041.37	316.60	271.62	44.98	7.039		
3,000.00	2,653.63	2,991.14	2,697.36	25.85	23.90	114.81	216.61	1,099.35	332.09	284.58	47.51	6.990		
3,100.00	2,732.62	3,089.87	2,776.39	27.14	25.18	114.24	228.44	1,157.34	347.63	297.58	50.05	6.945		
3,200.00	2,811.61	3,188.60	2,855.41	28.42	26.46	113.72	240.28	1,215.32	363.20	310.60	52.60	6.905		
3,300.00	2,890.59	3,287.33	2,934.44	29.71	27.74	113.24	252.12	1,273.30	378.79	323.64	55.15	6.869		
3,400.00	2,969.58	3,386.06	3,013.46	31.00	29.02	112.80	263.96	1,331.29	394.41	336.71	57.70	6.836		
3,500.00	3,048.57	3,484.79	3,092.49	32.29	30.31	112.39	275.79	1,389.27	410.05	349.80	60.25	6.806		
3,600.00	3,127.56	3,583.52	3,171.52	33.58	31.59	112.01	287.63	1,447.26	425.70	362.90	62.80	6.779		
3,700.00	3,206.55	3,682.25	3,250.54	34.87	32.88	111.66	299.47	1,505.24	441.38	376.02	65.36	6.753		
3,800.00	3,285.53	3,780.98	3,329.57	36.16	34.17	111.33	311.31	1,563.23	457.07	389.15	67.91	6.730		
3,900.00	3,364.52	3,879.71	3,408.59	37.45	35.46	111.03	323.14	1,621.21	472.77	402.30	70.47	6.709		
4,000.00	3,443.51	3,978.43	3,487.62	38.74	36.75	110.74	334.98	1,679.19	488.48	415.45	73.03	6.689		
4,100.00	3,522.50	4,077.16	3,566.65	40.04	38.04	110.47	346.82	1,737.18	504.21	428.62	75.59	6.670		
4,200.00	3,601.49	4,175.89	3,645.67	41.33	39.33	110.22	358.66	1,795.16	519.95	441.80	78.15	6.653		
4,300.00	3,680.47	4,274.62	3,724.70	42.63	40.63	109.98	370.49	1,853.15	535.69	454.98	80.71	6.637		
4,400.00	3,759.46	4,373.35	3,803.72	43.92	41.92	109.76	382.33	1,911.13	551.45	468.18	83.27	6.622		
4,500.00	3,838.45	4,472.08	3,882.75	45.22	43.22	109.55	394.17	1,969.12	567.21	481.38	85.83	6.608		
4,600.00	3,917.44	4,570.81	3,961.78	46.51	44.51	109.35	406.01	2,027.10	582.98	494.58	88.40	6.595		
4,700.00	3,996.43	4,669.54	4,040.80	47.81	45.81	109.16	417.85	2,085.09	598.75	507.80	90.96	6.583		
4,800.00	4,075.42	4,768.27	4,119.83	49.10	47.10	108.98	429.68	2,143.07	614.54	521.01	93.52	6.571		
4,900.00	4,154.40	4,867.00	4,198.85	50.40	48.40	108.81	441.52	2,201.05	630.32	534.24	96.08	6.560		

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-20-01
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-20-01	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	4,233.39	4,965.72	4,277.88	51.70	49.69	108.65	453.36	2,259.04	646.12	547.47	98.65	6.550		
5,100.00	4,312.38	5,064.45	4,356.90	52.99	50.99	108.49	465.20	2,317.02	661.91	560.70	101.21	6.540		
5,200.00	4,391.37	5,163.18	4,435.93	54.29	52.29	108.34	477.03	2,375.01	677.71	573.94	103.78	6.531		
5,300.00	4,470.36	5,261.91	4,514.96	55.59	53.59	108.20	488.87	2,432.99	693.52	587.18	106.34	6.522		
5,400.00	4,549.34	5,360.64	4,593.98	56.89	54.88	108.07	500.71	2,490.98	709.33	600.42	108.91	6.513		
5,500.00	4,628.33	5,459.37	4,673.01	58.18	56.18	107.94	512.55	2,548.96	725.14	613.67	111.47	6.505		
5,600.00	4,707.32	5,558.10	4,752.03	59.48	57.48	107.82	524.38	2,606.94	740.96	626.92	114.03	6.498		
5,700.00	4,786.31	5,656.83	4,831.06	60.78	58.78	107.70	536.22	2,664.93	756.78	640.18	116.60	6.490		
5,800.00	4,865.30	5,755.56	4,910.09	62.08	60.08	107.59	548.06	2,722.91	772.60	653.44	119.16	6.483		
5,900.00	4,944.28	5,854.29	4,989.11	63.38	61.38	107.48	559.90	2,780.90	788.43	666.70	121.73	6.477		
6,000.00	5,023.27	5,953.01	5,068.14	64.68	62.67	107.37	571.74	2,838.88	804.26	679.96	124.30	6.471		
6,100.00	5,102.26	6,051.74	5,147.16	65.97	63.97	107.27	583.57	2,896.87	820.09	693.23	126.86	6.464		
6,200.00	5,181.25	6,150.47	5,226.19	67.27	65.27	107.18	595.41	2,954.85	835.92	706.49	129.43	6.459		
6,300.00	5,260.24	6,249.20	5,305.22	68.57	66.57	107.09	607.25	3,012.84	851.76	719.76	131.99	6.453		
6,400.00	5,339.23	6,347.93	5,384.24	69.87	67.87	107.00	619.09	3,070.82	867.59	733.04	134.56	6.448		
6,500.00	5,418.21	6,446.66	5,463.27	71.17	69.17	106.91	630.92	3,128.80	883.43	746.31	137.12	6.443		
6,600.00	5,497.20	6,545.39	5,542.29	72.47	70.47	106.83	642.76	3,186.79	899.28	759.59	139.69	6.438		
6,700.00	5,576.19	6,644.12	5,621.32	73.77	71.77	106.75	654.60	3,244.77	915.12	772.86	142.26	6.433		
6,800.00	5,655.18	6,742.85	5,700.35	75.07	73.07	106.67	666.44	3,302.76	930.96	786.14	144.82	6.428		
6,900.00	5,734.17	6,841.58	5,779.37	76.37	74.37	106.59	678.27	3,360.74	946.81	799.42	147.39	6.424		
7,000.00	5,813.15	6,940.30	5,858.40	77.67	75.67	106.52	690.11	3,418.73	962.66	812.70	149.95	6.420		
7,100.00	5,892.14	7,039.03	5,937.42	78.97	76.97	106.45	701.95	3,476.71	978.51	825.99	152.52	6.416		
7,200.00	5,971.13	7,137.76	6,016.45	80.27	78.27	106.38	713.79	3,534.69	994.36	839.27	155.09	6.412		
7,300.00	6,050.12	7,236.49	6,095.48	81.57	79.57	106.32	725.62	3,592.68	1,010.21	852.56	157.65	6.408		
7,400.00	6,129.11	7,335.22	6,174.50	82.86	80.87	106.25	737.46	3,650.66	1,026.06	865.85	160.22	6.404		
7,500.00	6,208.09	7,433.95	6,253.53	84.16	82.18	106.19	749.30	3,708.65	1,041.92	879.13	162.79	6.401		
7,600.00	6,287.08	7,532.68	6,332.55	85.46	83.48	106.13	761.14	3,766.63	1,057.77	892.42	165.35	6.397		
7,700.00	6,366.07	7,631.41	6,411.58	86.76	84.78	106.07	772.98	3,824.62	1,073.63	905.71	167.92	6.394		
7,800.00	6,445.06	7,730.14	6,490.60	88.06	86.08	106.02	784.81	3,882.60	1,089.49	919.00	170.48	6.391		
7,900.00	6,524.05	7,828.87	6,569.63	89.36	87.38	105.96	796.65	3,940.59	1,105.35	932.30	173.05	6.387		
8,000.00	6,603.03	7,927.59	6,648.66	90.66	88.68	105.91	808.49	3,998.57	1,121.21	945.59	175.62	6.384		
8,100.00	6,682.02	8,026.69	6,725.55	91.96	89.95	105.86	820.01	4,055.05	1,137.08	958.96	178.12	6.384		
8,133.44	6,708.44	8,050.00	6,746.03	92.40	90.31	105.79	823.08	4,071.26	1,142.59	963.75	178.84	6.389		
8,150.00	6,721.39	8,060.26	6,753.82	92.62	90.47	104.40	824.26	4,077.84	1,145.33	966.19	179.14	6.394		
8,200.00	6,758.90	8,100.00	6,782.84	93.34	91.08	100.71	828.64	4,104.62	1,153.17	972.84	180.33	6.395		
8,250.00	6,793.76	8,133.09	6,805.56	94.13	91.65	97.76	832.09	4,128.43	1,160.23	978.85	181.38	6.397		
8,300.00	6,825.72	8,169.50	6,828.93	95.00	92.30	95.37	835.67	4,156.10	1,166.48	983.88	182.60	6.388		
8,350.00	6,854.52	8,200.00	6,847.14	95.93	92.87	93.45	838.47	4,180.41	1,171.90	988.29	183.61	6.382		
8,400.00	6,879.97	8,242.44	6,870.29	96.92	93.73	91.97	842.07	4,215.78	1,176.38	991.13	185.25	6.350		
8,450.00	6,901.84	8,279.04	6,888.13	97.95	94.50	90.84	844.88	4,247.61	1,179.97	993.30	186.67	6.321		
8,500.00	6,920.00	8,315.76	6,903.96	99.02	95.30	90.03	847.40	4,280.64	1,182.61	994.48	188.13	6.286		
8,550.00	6,934.28	8,350.00	6,916.82	100.12	96.07	89.51	849.48	4,312.30	1,184.31	994.82	189.49	6.250		
8,600.00	6,944.59	8,389.69	6,929.34	101.22	96.99	89.30	851.56	4,349.89	1,185.04	993.85	191.19	6.198		
8,650.00	6,950.84	8,426.95	6,938.72	102.33	97.86	89.34	853.17	4,385.91	1,184.82	992.05	192.77	6.146		
8,701.16	6,953.00	8,465.32	6,945.95	103.44	98.78	89.66	854.48	4,423.57	1,183.63	989.22	194.40	6.089		
8,800.00	6,953.00	8,504.86	6,952.81	105.59	100.58	89.99	856.00	4,498.72	1,181.38	983.77	197.61	5.978		
8,900.00	6,953.00	8,636.45	6,953.00	107.79	102.85	90.00	856.70	4,594.31	1,180.43	978.33	202.10	5.841		
9,000.00	6,953.00	8,736.44	6,953.00	110.02	105.25	90.00	857.40	4,694.30	1,179.52	972.60	206.92	5.700		
9,100.00	6,953.00	8,836.44	6,953.00	112.26	107.66	90.00	858.11	4,794.29	1,178.60	966.85	211.76	5.566		
9,200.00	6,953.00	8,936.43	6,953.00	114.52	110.08	90.00	858.81	4,894.29	1,177.69	961.06	216.63	5.436		
9,300.00	6,953.00	9,036.43	6,953.00	116.80	112.52	90.00	859.52	4,994.28	1,176.77	955.25	221.53	5.312		
9,400.00	6,953.00	9,136.43	6,953.00	119.10	114.96	90.00	860.22	5,094.27	1,175.86	949.41	226.45	5.193		

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-20-01
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-20-01	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-20-03 - 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)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
9,500.00	6,953.00	9,236.42	6,953.00	121.42	117.42	90.00	860.92	5,194.27	1,174.95	943.55	231.39	5.078				
9,600.00	6,953.00	9,336.42	6,953.00	123.75	119.90	90.00	861.63	5,294.26	1,174.03	937.67	236.36	4.967				
9,700.00	6,953.00	9,436.41	6,953.00	126.10	122.38	90.00	862.33	5,394.25	1,173.12	931.77	241.35	4.861				
9,800.00	6,953.00	9,536.41	6,953.00	128.46	124.87	90.00	863.04	5,494.25	1,172.20	925.85	246.35	4.758				
9,900.00	6,953.00	9,636.41	6,953.00	130.84	127.37	90.00	863.74	5,594.24	1,171.29	919.91	251.38	4.659				
10,000.00	6,953.00	9,736.40	6,953.00	133.23	129.88	90.00	864.44	5,694.23	1,170.37	913.95	256.42	4.564				
10,100.00	6,953.00	9,836.40	6,953.00	135.63	132.39	90.00	865.15	5,794.23	1,169.46	907.98	261.48	4.473				
10,200.00	6,953.00	9,936.39	6,953.00	138.04	134.92	90.00	865.85	5,894.22	1,168.54	902.00	266.55	4.384				
10,300.00	6,953.00	10,036.39	6,953.00	140.46	137.45	90.00	866.56	5,994.21	1,167.63	896.00	271.63	4.299				
10,400.00	6,953.00	10,136.38	6,953.00	142.90	139.99	90.00	867.26	6,094.21	1,166.71	889.98	276.73	4.216				
10,500.00	6,953.00	10,236.38	6,953.00	145.34	142.54	90.00	867.96	6,194.20	1,165.80	883.95	281.84	4.136				
10,600.00	6,953.00	10,336.38	6,953.00	147.80	145.09	90.00	868.67	6,294.19	1,164.88	877.92	286.97	4.059				
10,700.00	6,953.00	10,436.37	6,953.00	150.26	147.65	90.00	869.37	6,394.19	1,163.97	871.87	292.10	3.985				
10,800.00	6,953.00	10,536.37	6,953.00	152.73	150.21	90.00	870.07	6,494.18	1,163.06	865.81	297.25	3.913				
10,900.00	6,953.00	10,636.36	6,953.00	155.21	152.78	90.00	870.78	6,594.17	1,162.14	859.74	302.40	3.843				
11,000.00	6,953.00	10,736.36	6,953.00	157.70	155.35	90.00	871.48	6,694.17	1,161.23	853.66	307.57	3.775				
11,100.00	6,953.00	10,836.36	6,953.00	160.20	157.93	90.00	872.19	6,794.16	1,160.31	847.57	312.75	3.710				
11,200.00	6,953.00	10,936.35	6,953.00	162.70	160.52	90.00	872.89	6,894.15	1,159.40	841.47	317.93	3.647				
11,300.00	6,953.00	11,036.35	6,953.00	165.21	163.10	90.00	873.59	6,994.15	1,158.48	835.36	323.12	3.585				
11,400.00	6,953.00	11,136.34	6,953.00	167.73	165.69	90.00	874.30	7,094.14	1,157.57	829.25	328.32	3.526				
11,500.00	6,953.00	11,236.34	6,953.00	170.25	168.29	90.00	875.00	7,194.13	1,156.65	823.12	333.53	3.468				
11,600.00	6,953.00	11,336.33	6,953.00	172.78	170.89	90.00	875.71	7,294.13	1,155.74	817.00	338.74	3.412				
11,700.00	6,953.00	11,436.33	6,953.00	175.31	173.49	90.00	876.41	7,394.12	1,154.82	810.86	343.96	3.357				
11,800.00	6,953.00	11,536.33	6,953.00	177.85	176.10	90.00	877.11	7,494.11	1,153.91	804.72	349.19	3.305				
11,900.00	6,953.00	11,636.32	6,953.00	180.40	178.71	90.00	877.82	7,594.11	1,152.99	798.57	354.43	3.253				
12,000.00	6,953.00	11,736.32	6,953.00	182.95	181.32	90.00	878.52	7,694.10	1,152.08	792.41	359.67	3.203				
12,100.00	6,953.00	11,836.31	6,953.00	185.50	183.94	90.00	879.23	7,794.09	1,151.17	786.25	364.91	3.155				
12,200.00	6,953.00	11,936.31	6,953.00	188.06	186.56	90.00	879.93	7,894.09	1,150.25	780.09	370.16	3.107				
12,300.00	6,953.00	12,036.31	6,953.00	190.63	189.18	90.00	880.63	7,994.08	1,149.34	773.91	375.42	3.061				
12,400.00	6,953.00	12,136.30	6,953.00	193.20	191.80	90.00	881.34	8,094.07	1,148.42	767.74	380.68	3.017				
12,500.00	6,953.00	12,236.30	6,953.00	195.77	194.43	90.00	882.04	8,194.07	1,147.51	761.56	385.95	2.973				
12,600.00	6,953.00	12,336.29	6,953.00	198.35	197.06	90.00	882.75	8,294.06	1,146.59	755.37	391.22	2.931				
12,700.00	6,953.00	12,436.29	6,953.00	200.93	199.69	90.00	883.45	8,394.05	1,145.68	749.18	396.50	2.889				
12,800.00	6,953.00	12,536.28	6,953.00	203.51	202.33	90.00	884.15	8,494.05	1,144.76	742.98	401.78	2.849				
12,900.00	6,953.00	12,636.28	6,953.00	206.10	204.96	90.00	884.86	8,594.04	1,143.85	736.79	407.06	2.810				
13,000.00	6,953.00	12,736.28	6,953.00	208.69	207.60	90.00	885.56	8,694.03	1,142.93	730.58	412.35	2.772				
13,100.00	6,953.00	12,836.27	6,953.00	211.29	210.24	90.00	886.27	8,794.03	1,142.02	724.38	417.64	2.734				
13,200.00	6,953.00	12,936.27	6,953.00	213.88	212.88	90.00	886.97	8,894.02	1,141.10	718.17	422.94	2.698				
13,300.00	6,953.00	13,036.26	6,953.00	216.48	215.53	90.00	887.67	8,994.01	1,140.19	711.95	428.24	2.663				
13,400.00	6,953.00	13,136.26	6,953.00	219.09	218.17	90.00	888.38	9,094.01	1,139.28	705.73	433.54	2.628				
13,500.00	6,953.00	13,236.26	6,953.00	221.69	220.82	90.00	889.08	9,194.00	1,138.36	699.51	438.85	2.594				
13,600.00	6,953.00	13,336.25	6,953.00	224.30	223.47	90.00	889.79	9,293.99	1,137.45	693.29	444.16	2.561				
13,700.00	6,953.00	13,436.25	6,953.00	226.92	226.12	90.00	890.49	9,393.99	1,136.53	687.06	449.47	2.529				
13,800.00	6,953.00	13,536.24	6,953.00	229.53	228.77	90.00	891.19	9,493.98	1,135.62	680.83	454.78	2.497				
13,900.00	6,953.00	13,636.24	6,953.00	232.15	231.43	90.00	891.90	9,593.97	1,134.70	674.60	460.10	2.466				
14,000.00	6,953.00	13,736.23	6,953.00	234.77	234.08	90.00	892.60	9,693.97	1,133.79	668.37	465.42	2.436				
14,100.00	6,953.00	13,836.23	6,953.00	237.39	236.74	90.00	893.31	9,793.96	1,132.87	662.13	470.75	2.407				
14,200.00	6,953.00	13,936.23	6,953.00	240.01	239.40	90.00	894.01	9,893.95	1,131.96	655.89	476.07	2.378				
14,300.00	6,953.00	14,036.22	6,953.00	242.64	242.06	90.00	894.71	9,993.95	1,131.04	649.64	481.40	2.349				
14,400.00	6,953.00	14,136.22	6,953.00	245.27	244.72	90.00	895.42	10,093.94	1,130.13	643.40	486.73	2.322				
14,500.00	6,953.00	14,236.21	6,953.00	247.90	247.38	90.00	896.12	10,193.93	1,129.21	637.15	492.06	2.295				
14,600.00	6,953.00	14,336.21	6,953.00	250.53	250.04	90.00	896.83	10,293.93	1,128.30	630.90	497.40	2.268				

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-20-01
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-20-01	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-20-03 - 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				
14,700.00	6,953.00	14,436.20	6,953.00	253.16	252.71	90.00	897.53	10,393.92	1,127.39	624.65	502.74	2.242				
14,800.00	6,953.00	14,536.20	6,953.00	255.80	255.37	90.00	898.23	10,493.91	1,126.47	618.39	508.08	2.217				
14,900.00	6,953.00	14,636.20	6,953.00	258.43	258.04	90.00	898.94	10,593.91	1,125.56	612.14	513.42	2.192				
15,000.00	6,953.00	14,736.19	6,953.00	261.07	260.71	90.00	899.64	10,693.90	1,124.64	605.88	518.76	2.168				
15,100.00	6,953.00	14,836.19	6,953.00	263.71	263.38	90.00	900.35	10,793.89	1,123.73	599.62	524.11	2.144				
15,200.00	6,953.00	14,936.18	6,953.00	266.36	266.05	90.00	901.05	10,893.89	1,122.81	593.36	529.45	2.121				
15,300.00	6,953.00	15,036.18	6,953.00	269.00	268.72	90.00	901.75	10,993.88	1,121.90	587.09	534.80	2.098				
15,400.00	6,953.00	15,136.18	6,953.00	271.65	271.39	90.00	902.46	11,093.87	1,120.98	580.83	540.16	2.075				
15,500.00	6,953.00	15,236.17	6,953.00	274.29	274.06	90.00	903.16	11,193.87	1,120.07	574.56	545.51	2.053				
15,600.00	6,953.00	15,336.17	6,953.00	276.94	276.74	90.00	903.87	11,293.86	1,119.15	568.29	550.86	2.032				
15,700.00	6,953.00	15,436.16	6,953.00	279.59	279.41	90.00	904.57	11,393.85	1,118.24	562.02	556.22	2.010				
15,800.00	6,953.00	15,536.16	6,953.00	282.24	282.09	90.00	905.27	11,493.85	1,117.32	555.75	561.58	1.990				
15,900.00	6,953.00	15,636.15	6,953.00	284.90	284.76	90.00	905.98	11,593.84	1,116.41	549.47	566.93	1.969				
16,000.00	6,953.00	15,736.15	6,953.00	287.55	287.44	90.00	906.68	11,693.83	1,115.50	543.20	572.30	1.949				
16,100.00	6,953.00	15,836.15	6,953.00	290.20	290.12	90.00	907.39	11,793.83	1,114.58	536.92	577.66	1.929				
16,200.00	6,953.00	15,936.14	6,953.00	292.86	292.79	90.00	908.09	11,893.82	1,113.67	530.65	583.02	1.910				
16,300.00	6,953.00	16,036.14	6,953.00	295.52	295.47	90.00	908.79	11,993.81	1,112.75	524.37	588.39	1.891				
16,400.00	6,953.00	16,136.13	6,953.00	298.18	298.15	90.00	909.50	12,093.81	1,111.84	518.09	593.75	1.873				
16,500.00	6,953.00	16,236.13	6,953.00	300.84	300.83	90.00	910.20	12,193.80	1,110.92	511.80	599.12	1.854				
16,600.00	6,953.00	16,336.13	6,953.00	303.50	303.51	90.00	910.91	12,293.79	1,110.01	505.52	604.49	1.836				
16,700.00	6,953.00	16,436.12	6,953.00	306.16	306.19	90.00	911.61	12,393.79	1,109.09	499.24	609.86	1.819				
16,800.00	6,953.00	16,536.12	6,953.00	308.82	308.88	90.00	912.31	12,493.78	1,108.18	492.95	615.23	1.801				
16,900.00	6,953.00	16,636.11	6,953.00	311.49	311.56	90.00	913.02	12,593.77	1,107.26	486.66	620.60	1.784				
17,000.00	6,953.00	16,736.11	6,953.00	314.15	314.24	90.00	913.72	12,693.77	1,106.35	480.38	625.97	1.767				
17,100.00	6,953.00	16,836.10	6,953.00	316.82	316.93	90.00	914.43	12,793.76	1,105.43	474.09	631.35	1.751				
17,200.00	6,953.00	16,936.10	6,953.00	319.48	319.61	90.00	915.13	12,893.75	1,104.52	467.80	636.72	1.735				
17,300.00	6,953.00	17,036.10	6,953.00	322.15	322.30	90.00	915.83	12,993.75	1,103.61	461.51	642.10	1.719				
17,400.00	6,953.00	17,136.09	6,953.00	324.82	324.98	90.00	916.54	13,093.74	1,102.69	455.21	647.48	1.703				
17,500.00	6,953.00	17,236.09	6,953.00	327.49	327.67	90.00	917.24	13,193.73	1,101.78	448.92	652.85	1.688				
17,600.00	6,953.00	17,336.08	6,953.00	330.16	330.36	90.00	917.95	13,293.73	1,100.86	442.63	658.23	1.672				
17,700.00	6,953.00	17,436.08	6,953.00	332.83	333.04	90.00	918.65	13,393.72	1,099.95	436.33	663.61	1.658				
17,800.00	6,953.00	17,536.08	6,953.00	335.50	335.73	90.00	919.35	13,493.71	1,099.03	430.04	668.99	1.643				
17,900.00	6,953.00	17,636.07	6,953.00	338.17	338.42	90.00	920.06	13,593.71	1,098.12	423.74	674.38	1.628				
18,000.00	6,953.00	17,736.07	6,953.00	340.85	341.11	90.00	920.76	13,693.70	1,097.20	417.44	679.76	1.614				
18,100.00	6,953.00	17,836.06	6,953.00	343.52	343.80	90.00	921.46	13,793.69	1,096.29	411.14	685.14	1.600				
18,200.00	6,953.00	17,936.06	6,953.00	346.19	346.49	90.00	922.17	13,893.69	1,095.37	404.85	690.53	1.586				
18,300.00	6,953.00	18,036.05	6,953.00	348.87	349.18	90.00	922.87	13,993.68	1,094.46	398.55	695.91	1.573				
18,400.00	6,953.00	18,136.05	6,953.00	351.55	351.87	90.00	923.58	14,093.67	1,093.54	392.24	701.30	1.559				
18,500.00	6,953.00	18,236.05	6,953.00	354.22	354.56	90.00	924.28	14,193.67	1,092.63	385.94	706.69	1.546				
18,600.00	6,953.00	18,336.04	6,953.00	356.90	357.25	90.00	924.98	14,293.66	1,091.72	379.64	712.07	1.533				
18,700.00	6,953.00	18,436.04	6,953.00	359.58	359.94	90.00	925.69	14,393.65	1,090.80	373.34	717.46	1.520				
18,800.00	6,953.00	18,536.03	6,953.00	362.26	362.63	90.00	926.39	14,493.65	1,089.89	367.03	722.85	1.508				
18,900.00	6,953.00	18,636.03	6,953.00	364.94	365.32	90.00	927.10	14,593.64	1,088.97	360.73	728.24	1.495 Level 3				
19,000.00	6,953.00	18,736.03	6,953.00	367.62	368.02	90.00	927.80	14,693.63	1,088.06	354.42	733.63	1.483 Level 3				
19,073.74	6,953.00	18,809.76	6,953.00	369.59	370.00	90.00	928.32	14,767.37	1,087.38	349.77	737.61	1.474 Level 3, SF				

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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

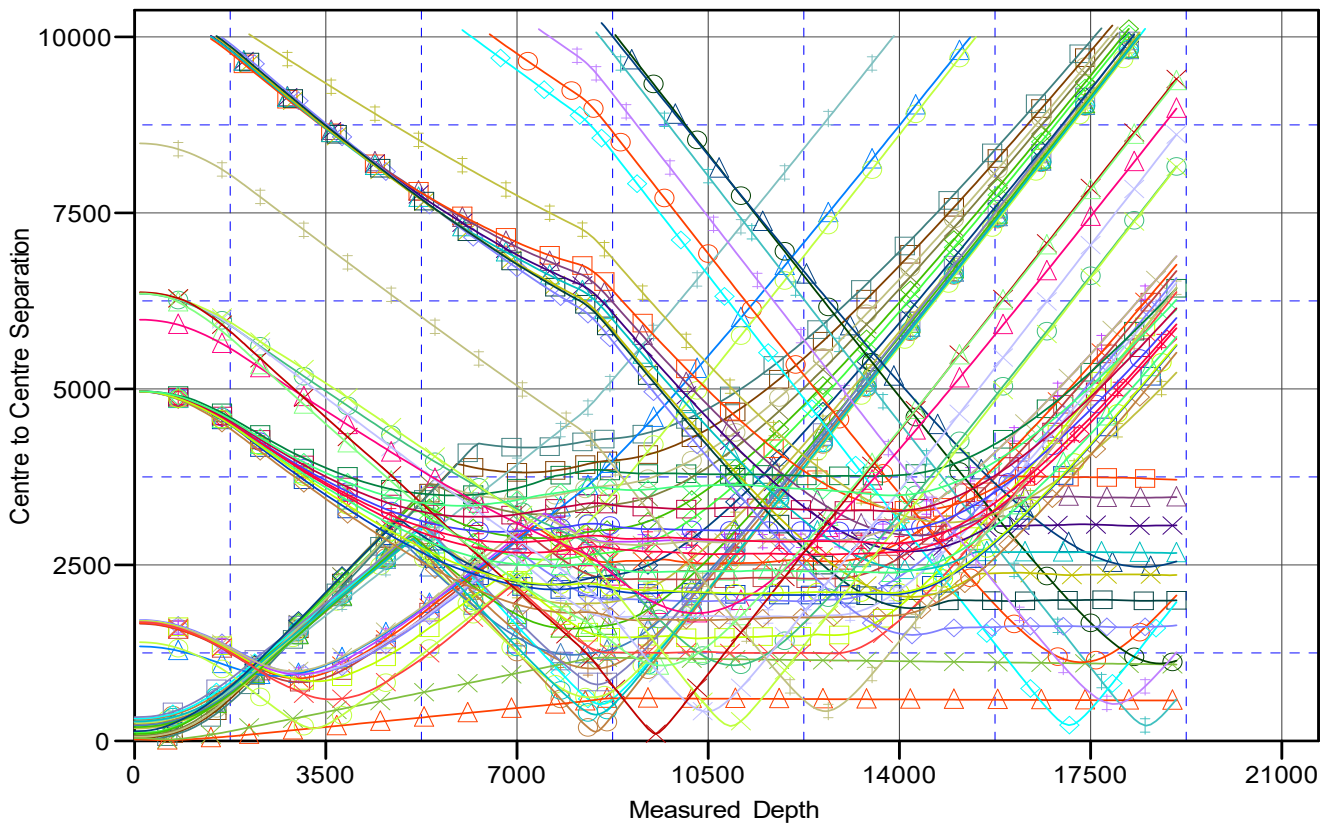
Central Meridian is 105.500000°W

Coordinates are relative to: JESSER EAST 3E-20-01

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 HZFLASCHENREM2, OMB, FINAL SURVEY V0	CITOTRUST 1E-10-3C, ORIGINAL WELLBORE, WB#1 - ENSIGN 107 V0
JESSER 3E-10-18N, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	EXIST HZFLASCHENREM7, OMB, FINAL SURVEY V0	CITOTRUST 1E-10-2N, ORIGINAL WELLBORE, WB#1 - ENSIGN 107 V0
JESSER 3E-10-3N, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	EXIST JESSERUSX S 3-12, 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 DDVEX 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 HZFLASCHENREM4, 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 HZFLASCHENREM1, 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 HZFLASCHENREM3, 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 AVEVEX 2A, Wellbore #1, Design #1 V0
EXIST HZFLASCHENREM3, OMB, FINAL SURVEY V0	CITOTRUST 1E-10-6C, ORIGINAL WELLBORE, WB#1 - ENSIGN 107 V0	EXIST DDVEX 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 HZFLASCHENREM5, OMB, FINAL SURVEY V0	EXIST DDQUARTER CIRCLE S 1-7J, Wellbore #1, Wellbore #1 V0	ABND VERT SEALOCK 1, Wellbore #1, Design #1 V0
JESSER EAST 3E-20-02, OMB, PROPOSAL 1 V0	SI MASSTY 1-218, Wellbore #1, Design #1 V0	EXIST DDVEX 11-2D, Wellbore #1, Wellbore #1 V0
JESSER EAST 3E-20-03, OMB, PROPOSAL 1 V0	CITOTRUST 1E-10-5N, ORIGINAL WELLBORE, WB#1 - ENSIGN 107 V0	EXIST DDVEX 12-2D, Wellbore #1, Wellbore #1 V0
JESSER 3E-10-6N, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	EXIST DDQUARTER CIRCLE S 1-6J, Wellbore #1, Wellbore #1 V0	SRC VISTA D-2C, Wellbore #1, Wellbore #1 V0
EXIST HZFLASCHENREM6, OMB, FINAL SURVEY V0	CITOTRUST 1E-10-1N, ORIGINAL WELLBORE, WB#1 - ENSIGN 107 V0	SRC VISTA 44-2N-A, 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 43-2C, 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 44-2C, 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	

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

Civitas Resources

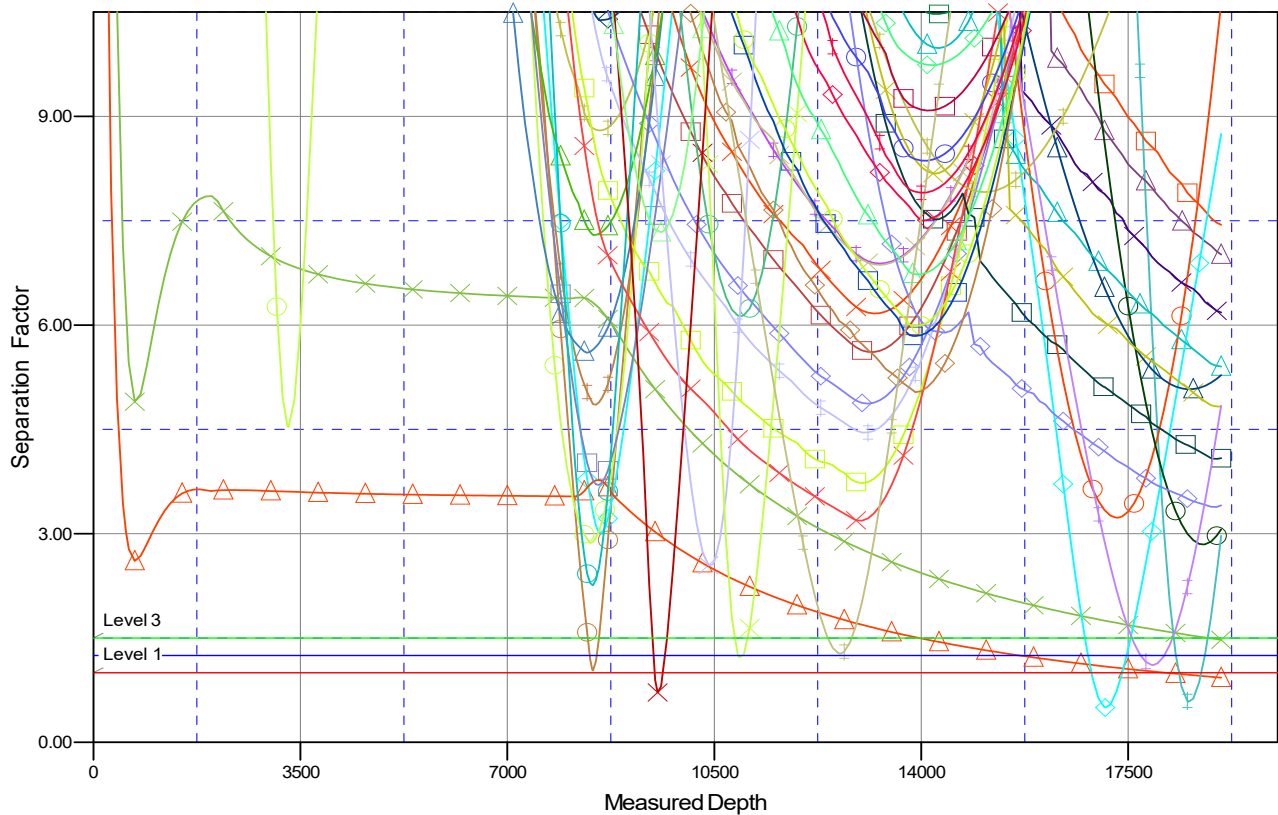
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well JESSER EAST 3E-20-01
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-20-01	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-20-01
 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 HZFLASCHENRIEM7, OMB, FINAL SURVEY V0	CITOTRUST 1E-10-3C, ORIGINAL WELLBORE, WB#1 - ENSIGN 107 V0
JESSER 3E-10-10N, 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-10-14C, 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-10-12N, 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-10-6C, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	JESSER 3E-10-10N, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	EXIST DDAVEX 22-2D, Wellbore #1, Wellbore #1 V0
EXIST HZFLASCHENRIEM4, OMB, FINAL SURVEY V0	JESSER 3E-10-4N, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	SRC VISTA 43-2N-A, Wellbore #1, Wellbore #1 V0
JESSER 3E-10-13N, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	JESSER 3E-10-11N, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	SRC VISTA D-2N-A, Wellbore #1, Wellbore #1 V0
JESSER 3E-10-2C, 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-10-15N, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	EXIST HZFLASCHENRIEM1, OMB, FINAL SURVEY V0	SRC VISTA S-2N-C, Wellbore #1, Wellbore #1 V0
EXIST HZFLASCHENRIEM3, OMB, FINAL SURVEY V0	EXIST VERT QUARTER CIRCLE S 01-01J, Wellbore #1, Design #1 V0	ABND VERT AVEK 2A, Wellbore #1, Design #1 V0
JESSER 3E-10-17C, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	CITOTRUST 1E-10-6C, ORIGINAL WELLBORE, WB#1 - ENSIGN 107 V0	EXIST DDAVEX 21-2D, Wellbore #1, Wellbore #1 V0
EXIST HZFLASCHENRIEM5, OMB, FINAL SURVEY V0	CITOTRUST 1E-10-7N, ORIGINAL WELLBORE, WB#1 - ENSIGN 107 V0	SRC VISTA 43-2N-C, Wellbore #1, Wellbore #1 V0
JESSER EAST 3E-20-02, OMB, PROPOSAL 1 V0	EXIST DDQUARTER CIRCLE S 1-7JL, Wellbore #1, Wellbore #1 V0	ABND VERT SEALOOK 1, Wellbore #1, Design #1 V0
JESSER 3E-10-5N, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	SI MASSITY 1-218, Wellbore #1, Design #1 V0	EXIST DDAVEX 11-2D, Wellbore #1, Wellbore #1 V0
EXIST HZFLASCHENRIEM6, OMB, FINAL SURVEY V0	CITOTRUST 1E-10-9N, ORIGINAL WELLBORE, WB#1 - ENSIGN 107 V0	EXIST DDAVEX 13-2D, Wellbore #1, Wellbore #1 V0
JESSER 3E-10-7N, ORIGINAL WELLBORE, WB#1 - PATT 901 V0	CITOTRUST 1E-10-1N, ORIGINAL WELLBORE, WB#1 - ENSIGN 107 V0	SRC VISTA D-2C, Wellbore #1, Wellbore #1 V0
EXIST JESSERUSX S 3-11, Wellbore #1, Design #1 V0	SI QUARTER CIRCLE 1-918, Wellbore #1, Design #1 V0	SRC VISTA 44-2N-A, Wellbore #1, Wellbore #1 V0
EXIST JESSERUSX S 3-12, Wellbore #1, Design #1 V0	ABND VERT ABRAMS 1, Wellbore #1, Design #1 V0	SRC VISTA 43-2C, Wellbore #1, Wellbore #1 V0
	CITOTRUST 1E-10-4N, ORIGINAL WELLBORE, WB#1 - ENSIGN 107 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