

EXTRACTION OIL & GAS

WELD COUNTY

Sec 36-T7N-R67W

MAVERICK 2W-20-03

OWB

PROPOSAL 1

Anticollision Report

17 December, 2024

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	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:	MD Interval 100.00usft	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	12/17/2024			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.00	21,746.25	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 12-T6N-R67W						
SIMONSEN 11-421 - Wellbore #1 - Wellbore #1	10,650.27	8,525.02	69.59	-22.93	0.752	Level 1, CC
SIMONSEN 11-421 - Wellbore #1 - Wellbore #1	10,700.00	8,504.48	84.27	-56.04	0.601	Level 1, ES, SF
SIMONSEN 11-241 - Wellbore #1 - Wellbore #1	10,113.95	8,704.92	447.74	303.82	3.111	CC
SIMONSEN 11-241 - Wellbore #1 - Wellbore #1	10,200.00	8,642.68	451.81	301.01	2.996	ES, SF
SIMONSEN 11-421 - Wellbore #1 - Wellbore #1	9,719.65	8,847.59	1,250.54	1,111.16	8.972	CC
SIMONSEN 11-421 - Wellbore #1 - Wellbore #1	9,800.00	8,781.92	1,252.00	1,109.76	8.802	ES
SIMONSEN 11-421 - Wellbore #1 - Wellbore #1	10,200.00	8,483.06	1,291.83	1,139.37	8.473	SF
SIMONSEN 11-241 - Wellbore #1 - Wellbore #1	9,110.32	9,105.05	1,799.32	1,660.12	12.926	CC
SIMONSEN 11-241 - Wellbore #1 - Wellbore #1	9,200.00	9,050.82	1,800.44	1,659.24	12.751	ES
SIMONSEN 11-241 - Wellbore #1 - Wellbore #1	9,700.00	8,720.37	1,848.41	1,698.51	12.331	SF
Sec 36-T7N-R67W						
ABND VERT LIND 36-32 - Wellbore #1 - Design #1	2,818.13	2,479.64	2,063.45	2,032.94	67.633	CC
ABND VERT LIND 36-32 - Wellbore #1 - Design #1	2,900.00	2,529.85	2,064.46	2,032.64	64.860	ES
ABND VERT LIND 36-32 - Wellbore #1 - Design #1	4,500.00	3,511.52	2,453.92	2,401.88	47.150	SF
ABND VERT LIND 36-33 - Wellbore #1 - Design #1	4,767.99	3,649.95	1,420.43	1,357.77	22.670	CC
ABND VERT LIND 36-33 - Wellbore #1 - Design #1	4,800.00	3,669.59	1,420.65	1,357.47	22.486	ES
ABND VERT LIND 36-33 - Wellbore #1 - Design #1	5,200.00	3,915.01	1,460.82	1,392.33	21.330	SF
EXIST HZ BALDRIDGE 1-1 - Wellbore #1 - Wellbore #1	3,536.27	2,452.12	1,498.71	1,459.86	38.581	CC
EXIST HZ BALDRIDGE 1-1 - Wellbore #1 - Wellbore #1	3,600.00	2,487.25	1,499.62	1,459.65	37.522	ES
EXIST HZ BALDRIDGE 1-1 - Wellbore #1 - Wellbore #1	5,100.00	3,466.90	1,947.67	1,883.44	30.327	SF
EXIST HZ BALDRIDGE 17-1 - Wellbore #1 - Wellbore #1	3,974.48	2,769.36	1,398.69	1,352.34	30.179	CC
EXIST HZ BALDRIDGE 17-1 - Wellbore #1 - Wellbore #1	4,000.00	2,784.45	1,398.81	1,351.94	29.839	ES
EXIST HZ BALDRIDGE 17-1 - Wellbore #1 - Wellbore #1	5,400.00	3,887.16	1,676.99	1,600.70	21.981	SF
EXIST HZ BALDRIDGE 2-1 - Wellbore #1 - Wellbore #1	4,264.34	3,233.48	1,004.08	949.34	18.342	CC
EXIST HZ BALDRIDGE 2-1 - Wellbore #1 - Wellbore #1	4,300.00	3,258.47	1,004.38	948.88	18.098	ES
EXIST HZ BALDRIDGE 2-1 - Wellbore #1 - Wellbore #1	4,800.00	3,627.63	1,069.50	1,005.38	16.681	SF
EXIST HZ BALDRIDGE 7-1 - Wellbore #1 - Wellbore #1	4,815.04	3,469.42	1,377.57	1,311.24	20.768	CC
EXIST HZ BALDRIDGE 7-1 - Wellbore #1 - Wellbore #1	4,900.00	3,533.20	1,378.47	1,309.92	20.111	ES
EXIST HZ BALDRIDGE 7-1 - Wellbore #1 - Wellbore #1	6,800.00	5,198.16	1,723.36	1,610.43	15.259	SF
EXIST HZ BALDRIDGE 20-36 - Wellbore #1 - Wellbore #1	3,742.88	2,448.99	1,610.13	1,569.59	39.714	CC
EXIST HZ BALDRIDGE 8-1 - Wellbore #1 - Wellbore #1	3,800.00	2,492.86	1,610.56	1,568.78	38.548	ES
EXIST HZ BALDRIDGE 8-1 - Wellbore #1 - Wellbore #1	5,700.00	3,906.00	2,074.67	1,993.02	25.410	SF
EXIST HZ SCHNEIDER 16-36 - Wellbore #1 - Wellbore #	3,339.40	2,546.04	1,124.98	1,086.75	29.423	CC, ES
EXIST HZ SCHNEIDER 16-36 - Wellbore #1 - Wellbore #	3,700.00	2,678.35	1,173.69	1,130.98	27.480	SF
EXIST HZ SCHNEIDER 20-36 - Wellbore #1 - Wellbore #	3,156.12	2,664.31	885.96	846.26	22.317	CC, ES
EXIST HZ SCHNEIDER 20-36 - Wellbore #1 - Wellbore #	3,400.00	2,744.52	914.76	872.29	21.535	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 MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	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 36-T7N-R67W						
EXIST HZ SCHNEIDER 33-36 - Wellbore #1 - Wellbore #	2,791.15	2,592.57	561.63	527.53	16.472	CC
EXIST HZ SCHNEIDER 33-36 - Wellbore #1 - Wellbore #	2,800.00	2,596.08	561.69	527.47	16.412	ES
EXIST HZ SCHNEIDER 33-36 - Wellbore #1 - Wellbore #	2,900.00	2,635.68	570.47	535.11	16.137	SF
EXIST HZ SCHNEIDER 34-36 - Wellbore #1 - Wellbore #	2,900.00	2,445.65	789.17	756.18	23.918	CC, ES
EXIST HZ SCHNEIDER 34-36 - Wellbore #1 - Wellbore #	3,100.00	2,507.06	813.34	778.11	23.087	SF
EXIST HZ SCHNEIDER 37-36 - Wellbore #1 - Wellbore #	3,605.68	2,743.80	1,145.88	1,103.62	27.115	CC, ES
EXIST HZ SCHNEIDER 37-36 - Wellbore #1 - Wellbore #	4,100.00	3,046.41	1,213.43	1,163.72	24.412	SF
ICE MAN 2W-15-1C - ORIGINAL WELLBORE - WB #1 -	3,481.41	2,859.10	257.09	220.47	7.021	CC
ICE MAN 2W-15-1C - ORIGINAL WELLBORE - WB #1 -	3,500.00	2,874.21	257.32	219.83	6.863	ES
ICE MAN 2W-15-1C - ORIGINAL WELLBORE - WB #1 -	3,700.00	3,039.74	285.76	239.89	6.229	SF
ICE MAN 2W-15-2N - ORIGINAL WELLBORE - WB #1 -	3,629.92	2,976.11	278.16	238.81	7.069	CC
ICE MAN 2W-15-2N - ORIGINAL WELLBORE - WB #1 -	3,700.00	3,044.92	279.48	236.44	6.493	ES
ICE MAN 2W-15-2N - ORIGINAL WELLBORE - WB #1 -	3,900.00	3,210.48	303.62	252.29	5.916	SF
ICE MAN 2W-15-3N - ORIGINAL WELLBORE - WB #1 -	3,784.13	3,092.99	311.29	268.49	7.273	CC
ICE MAN 2W-15-3N - ORIGINAL WELLBORE - WB #1 -	3,800.00	3,106.18	311.40	267.83	7.147	ES
ICE MAN 2W-15-3N - ORIGINAL WELLBORE - WB #1 -	4,100.00	3,366.60	353.37	296.71	6.236	SF
ICE MAN 2W-15-4N - ORIGINAL WELLBORE - WB #1 -	3,991.27	3,248.88	309.53	264.05	6.807	CC
ICE MAN 2W-15-4N - ORIGINAL WELLBORE - WB #1 -	4,100.00	3,345.03	314.61	263.42	6.145	ES
ICE MAN 2W-15-4N - ORIGINAL WELLBORE - WB #1 -	4,300.00	3,535.34	336.87	275.51	5.490	SF
ICE MAN 2W-15-5C - ORIGINAL WELLBORE - WB #1 -	4,300.00	3,519.38	309.21	255.05	5.710	CC
ICE MAN 2W-15-5C - ORIGINAL WELLBORE - WB #1 -	4,400.00	3,610.84	311.46	251.36	5.182	ES
ICE MAN 2W-15-5C - ORIGINAL WELLBORE - WB #1 -	4,600.00	3,791.79	337.71	267.66	4.821	SF
ICE MAN 2W-15-6N - ORIGINAL WELLBORE - WB #1 -	4,651.51	3,821.04	347.84	284.93	5.529	CC
ICE MAN 2W-15-6N - ORIGINAL WELLBORE - WB #1 -	4,800.00	3,964.97	352.69	281.01	4.920	ES
ICE MAN 2W-15-6N - ORIGINAL WELLBORE - WB #1 -	5,000.00	4,131.04	378.42	297.64	4.685	SF
ICE MAN 2W-15-7N - ORIGINAL WELLBORE - WB #1 -	4,960.98	4,095.47	335.22	263.95	4.704	CC
ICE MAN 2W-15-7N - ORIGINAL WELLBORE - WB #1 -	5,100.00	4,216.34	340.36	261.32	4.306	ES
ICE MAN 2W-15-7N - ORIGINAL WELLBORE - WB #1 -	5,400.00	4,497.81	381.33	288.29	4.098	SF
MAVERICK 2W-20-01 - OWB - PROPOSAL 1	661.52	659.34	35.59	31.03	7.811	CC
MAVERICK 2W-20-01 - OWB - PROPOSAL 1	700.00	697.66	35.71	30.86	7.359	ES
MAVERICK 2W-20-01 - OWB - PROPOSAL 1	21,746.26	20,958.26	924.87	235.60	1.342	Level 3, SF
MAVERICK 2W-20-02 - OWB - PROPOSAL 1	606.34	605.28	17.79	13.64	4.294	CC
MAVERICK 2W-20-02 - OWB - PROPOSAL 1	21,746.26	21,114.07	596.23	9.49	1.016	Level 2, ES, SF
MAVERICK 2W-20-04 - OWB - PROPOSAL 1	529.38	529.42	17.97	14.31	4.908	CC
MAVERICK 2W-20-04 - OWB - PROPOSAL 1	21,746.26	21,818.56	511.66	-69.97	0.880	Level 1, ES, SF
Sec 3-T6N-R67W						
ABND VERT BOWER 1-3 - Wellbore #1 - Design #1	17,000.00	7,352.00	1,105.08	731.93	2.961	ES, SF
ABND VERT BOWER 1-3 - Wellbore #1 - Design #1	17,087.20	7,352.00	1,101.64	733.40	2.992	CC
ABND VERT MOSIER 1-2 - Wellbore #1 - Design #1	15,547.89	7,293.00	218.80	12.47	1.060	Level 2, CC
ABND VERT MOSIER 1-2 - Wellbore #1 - Design #1	15,600.00	7,293.00	224.92	-1.85	0.992	Level 1, ES, SF
ABND VERT OCHSNER 1-3 - Wellbore #1 - Design #1	19,300.00	7,330.00	1,113.18	798.12	3.533	SF
ABND VERT OCHSNER 1-3 - Wellbore #1 - Design #1	19,400.00	7,330.00	1,106.38	795.80	3.562	ES
ABND VERT OCHSNER 1-3 - Wellbore #1 - Design #1	19,425.53	7,330.00	1,106.08	797.00	3.579	CC
EXIST HZ BOWER 10-3 - Wellbore #1 - Wellbore #1	18,000.00	7,562.34	1,084.83	793.30	3.721	SF
EXIST HZ BOWER 10-3 - Wellbore #1 - Wellbore #1	18,100.00	7,560.23	1,077.54	790.86	3.759	ES
EXIST HZ BOWER 10-3 - Wellbore #1 - Wellbore #1	18,128.88	7,559.62	1,077.15	792.26	3.781	CC
EXIST HZ BOWER 15-3 - Wellbore #1 - Wellbore #1	18,189.48	7,722.91	179.71	-107.87	0.625	Level 1, CC
EXIST HZ BOWER 15-3 - Wellbore #1 - Wellbore #1	18,200.00	7,722.95	180.02	-114.04	0.612	Level 1, ES, SF

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

Civitas Resources

Anticollision Report

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Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	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 5-T6N-R67W						
MICKEY 10 - ORIGINAL WELLBORE - WB # 1 - Patters	19,400.00	16,894.58	2,361.77	1,812.01	4.296	SF
MICKEY 10 - ORIGINAL WELLBORE - WB # 1 - Patters	19,500.00	16,828.07	2,360.42	1,811.12	4.297	ES
MICKEY 10 - ORIGINAL WELLBORE - WB # 1 - Patters	20,863.77	15,476.00	2,359.78	1,811.83	4.307	CC
MICKEY 11 - ORIGINAL WELLBORE - WB # 1 - Patters	19,600.00	16,514.00	2,216.78	1,671.76	4.067	SF
MICKEY 11 - ORIGINAL WELLBORE - WB # 1 - Patters	19,700.00	16,466.82	2,215.59	1,671.50	4.072	CC, ES
MICKEY 12 - ORIGINAL WELLBORE - WB #1 - Patterso	20,800.00	15,375.43	1,878.44	1,334.22	3.452	SF
MICKEY 12 - ORIGINAL WELLBORE - WB #1 - Patterso	20,988.44	15,232.28	1,876.35	1,333.07	3.454	CC, ES
MICKEY 13 - ORIGINAL WELLBORE - WB #1 - Patterso	19,500.00	16,776.88	1,694.02	1,143.75	3.079	SF
MICKEY 13 - ORIGINAL WELLBORE - WB #1 - Patterso	19,700.00	16,601.25	1,691.44	1,142.17	3.079	ES
MICKEY 13 - ORIGINAL WELLBORE - WB #1 - Patterso	19,765.10	16,545.81	1,691.24	1,142.40	3.081	CC
VARRA 10 - Wellbore #1 - Wellbore #1	21,746.26	17,140.00	271.61	-110.81	0.710	Level 1, CC, ES, SF
VARRA 11 - Wellbore #1 - Wellbore #1	21,746.26	16,920.00	398.06	-129.72	0.754	Level 1, CC, ES, SF
VARRA 12 - Wellbore #1 - Wellbore #1	21,746.26	17,070.00	748.52	165.19	1.283	Level 3, CC, ES, SF
VARRA 2 - Wellbore #1 - Wellbore #1	21,746.26	16,991.00	1,588.10	977.63	2.601	CC, ES, SF
VARRA 3 - STK1 - STK1	21,746.26	16,815.00	1,289.25	745.83	2.372	CC, ES, SF
VARRA 3 - Wellbore #1 - Wellbore #1	21,746.26	15,135.00	2,276.28	1,874.81	5.670	CC, ES, SF
VARRA 4 - Wellbore #1 - Wellbore #1	21,746.26	17,130.00	1,103.46	481.15	1.773	CC, ES, SF
VARRA 5 - Wellbore #1 - Wellbore #1	21,746.26	16,905.00	962.37	368.11	1.619	CC, ES, SF
VARRA 6 - Wellbore #1 - Wellbore #1	21,746.26	17,004.00	611.82	24.73	1.042	Level 2, CC, ES, SF
VARRA 7 - Wellbore #1 - Wellbore #1	21,746.26	17,100.00	487.31	-121.04	0.801	Level 1, CC, ES, SF
VARRA 8 - Wellbore #1 - Wellbore #1	21,746.26	16,848.00	376.45	-98.30	0.793	Level 1, CC, ES, SF
VARRA 9 - STK1 - STK1	21,746.26	16,811.00	298.54	56.50	1.233	Level 2, CC, ES, SF
VARRA 9 - Wellbore #1 - Wellbore #1	21,746.26	15,770.00	1,217.90	1,059.39	7.684	CC, ES, SF

Offset Design

Sec 12-T6N-R67W - SIMONSEN 11-421 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.00 usft
Survey Program: 144-MWD												Offset Well Error:	0.00 usft
Reference Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
100.00	100.00	40.26	40.26	0.27	0.07	-160.08	-7,846.30	-2,842.87	8,345.44	8,345.11	0.33	N/A	
200.00	200.00	12,310.00	7,272.34	0.63	95.75	-133.43	-2,888.18	-3,050.79	8,276.77	8,222.91	53.86	153.670	
300.00	299.98	12,310.00	7,272.34	0.97	95.75	24.75	-2,888.18	-3,050.79	8,189.96	8,135.86	54.10	151.383	
400.00	399.84	12,310.00	7,272.34	1.32	95.75	26.35	-2,888.18	-3,050.79	8,101.90	8,047.53	54.37	149.002	
500.00	499.45	12,310.00	7,272.34	1.68	95.75	28.16	-2,888.18	-3,050.79	8,012.66	7,958.00	54.66	146.587	
600.00	598.70	12,310.00	7,272.34	2.07	95.75	30.22	-2,888.18	-3,050.79	7,922.31	7,867.35	54.96	144.149	
700.00	697.47	12,310.00	7,272.34	2.48	95.75	32.57	-2,888.18	-3,050.79	7,830.92	7,775.65	55.27	141.694	
800.00	795.62	12,310.00	7,272.34	2.93	95.75	35.25	-2,888.18	-3,050.79	7,738.56	7,682.98	55.58	139.230	
900.00	893.06	12,310.00	7,272.34	3.41	95.75	38.34	-2,888.18	-3,050.79	7,645.33	7,589.43	55.90	136.762	
1,000.00	989.64	12,310.00	7,272.34	3.93	95.75	41.90	-2,888.18	-3,050.79	7,551.30	7,495.07	56.23	134.293	
1,100.00	1,085.27	12,310.00	7,272.34	4.50	95.75	46.01	-2,888.18	-3,050.79	7,456.55	7,399.99	56.56	131.826	
1,200.00	1,179.82	12,310.00	7,272.34	5.11	95.75	50.75	-2,888.18	-3,050.79	7,361.18	7,304.28	56.90	129.365	
1,300.00	1,273.17	12,310.00	7,272.34	5.77	95.75	56.19	-2,888.18	-3,050.79	7,265.28	7,208.04	57.25	126.911	
1,400.00	1,365.21	12,310.00	7,272.34	6.48	95.75	62.35	-2,888.18	-3,050.79	7,168.96	7,111.36	57.60	124.466	
1,500.00	1,455.84	12,310.00	7,272.34	7.23	95.75	69.22	-2,888.18	-3,050.79	7,072.30	7,014.35	57.95	122.032	
1,600.00	1,544.94	12,310.00	7,272.34	8.04	95.75	76.69	-2,888.18	-3,050.79	6,975.42	6,917.10	58.32	119.608	
1,700.00	1,632.39	12,310.00	7,272.34	8.90	95.75	84.54	-2,888.18	-3,050.79	6,878.44	6,819.74	58.69	117.197	
1,800.00	1,718.11	12,310.00	7,272.34	9.81	95.75	92.48	-2,888.18	-3,050.79	6,781.45	6,722.38	59.07	114.798	
1,900.00	1,801.97	12,310.00	7,272.34	10.77	95.75	100.22	-2,888.18	-3,050.79	6,684.60	6,625.13	59.47	112.412	
2,000.00	1,883.88	12,310.00	7,272.34	11.78	95.75	107.47	-2,888.18	-3,050.79	6,587.99	6,528.12	59.87	110.038	
2,100.00	1,963.74	12,310.00	7,272.34	12.84	95.75	114.08	-2,888.18	-3,050.79	6,491.78	6,431.49	60.29	107.678	

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 144-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		
2,200.00	2,041.45	12,310.00	7,272.34	13.95	95.75	119.95	-2,888.18	-3,050.79	6,396.08	6,335.36	60.72	105.332		
2,300.00	2,116.92	12,310.00	7,272.34	15.10	95.75	125.10	-2,888.18	-3,050.79	6,301.05	6,239.87	61.18	103.000		
2,400.00	2,190.05	12,310.00	7,272.34	16.31	95.75	129.57	-2,888.18	-3,050.79	6,206.83	6,145.18	61.65	100.682		
2,500.00	2,260.76	12,310.00	7,272.34	17.56	95.75	133.44	-2,888.18	-3,050.79	6,113.57	6,051.43	62.14	98.380		
2,600.00	2,328.95	12,310.00	7,272.34	18.85	95.75	136.79	-2,888.18	-3,050.79	6,021.45	5,958.79	62.66	96.096		
2,700.00	2,394.55	12,310.00	7,272.34	20.19	95.75	139.68	-2,888.18	-3,050.79	5,930.63	5,867.42	63.20	93.832		
2,800.00	2,457.48	12,310.00	7,272.34	21.57	95.75	142.19	-2,888.18	-3,050.79	5,841.28	5,777.50	63.78	91.588		
2,900.00	2,518.85	12,310.00	7,272.34	22.98	95.75	142.37	-2,888.18	-3,050.79	5,753.00	5,688.62	64.38	89.356		
3,000.00	2,580.20	12,310.00	7,272.34	24.39	95.75	142.37	-2,888.18	-3,050.79	5,665.12	5,600.09	65.02	87.122		
3,100.00	2,641.56	12,310.00	7,272.34	25.81	95.75	142.37	-2,888.18	-3,050.79	5,577.65	5,511.95	65.70	84.898		
3,200.00	2,702.91	12,310.00	7,272.34	27.23	95.75	142.37	-2,888.18	-3,050.79	5,490.60	5,424.20	66.40	82.688		
3,300.00	2,764.27	12,310.00	7,272.34	28.65	95.75	142.37	-2,888.18	-3,050.79	5,404.00	5,336.87	67.13	80.496		
3,400.00	2,825.62	12,310.00	7,272.34	30.08	95.75	142.37	-2,888.18	-3,050.79	5,317.88	5,249.98	67.89	78.325		
3,500.00	2,886.98	12,310.00	7,272.34	31.51	95.75	142.37	-2,888.18	-3,050.79	5,232.24	5,163.56	68.68	76.179		
3,600.00	2,948.33	12,310.00	7,272.34	32.95	95.75	142.37	-2,888.18	-3,050.79	5,147.13	5,077.63	69.50	74.058		
3,700.00	3,009.68	12,310.00	7,272.34	34.38	95.75	142.37	-2,888.18	-3,050.79	5,062.56	4,992.21	70.35	71.966		
3,800.00	3,071.04	12,310.00	7,272.34	35.82	95.75	142.37	-2,888.18	-3,050.79	4,978.56	4,907.34	71.22	69.904		
3,900.00	3,132.39	12,310.00	7,272.34	37.25	95.75	142.37	-2,888.18	-3,050.79	4,895.16	4,823.04	72.12	67.874		
4,000.00	3,193.75	12,310.00	7,272.34	38.69	95.75	142.37	-2,888.18	-3,050.79	4,812.40	4,739.35	73.05	65.878		
4,100.00	3,255.10	12,310.00	7,272.34	40.13	95.75	142.37	-2,888.18	-3,050.79	4,730.30	4,656.29	74.01	63.917		
4,200.00	3,316.46	12,310.00	7,272.34	41.58	95.75	142.37	-2,888.18	-3,050.79	4,648.90	4,573.91	74.99	61.991		
4,300.00	3,377.81	12,310.00	7,272.34	43.02	95.75	142.37	-2,888.18	-3,050.79	4,568.25	4,492.24	76.01	60.103		
4,400.00	3,439.17	12,310.00	7,272.34	44.46	95.75	142.37	-2,888.18	-3,050.79	4,488.37	4,411.32	77.05	58.253		
4,500.00	3,500.52	12,310.00	7,272.34	45.91	95.75	142.37	-2,888.18	-3,050.79	4,409.31	4,331.19	78.12	56.443		
4,600.00	3,561.88	12,310.00	7,272.34	47.35	95.75	142.37	-2,888.18	-3,050.79	4,331.11	4,251.90	79.22	54.673		
4,700.00	3,623.23	12,310.00	7,272.34	48.80	95.75	142.37	-2,888.18	-3,050.79	4,253.83	4,173.49	80.35	52.944		
4,800.00	3,684.59	12,310.00	7,272.34	50.24	95.75	142.37	-2,888.18	-3,050.79	4,177.52	4,096.02	81.50	51.258		
4,900.00	3,745.94	12,310.00	7,272.34	51.69	95.75	142.37	-2,888.18	-3,050.79	4,102.22	4,019.54	82.68	49.614		
5,000.00	3,807.30	12,310.00	7,272.34	53.14	95.75	142.37	-2,888.18	-3,050.79	4,028.00	3,944.11	83.89	48.014		
5,100.00	3,868.65	12,310.00	7,272.34	54.58	95.75	142.37	-2,888.18	-3,050.79	3,954.91	3,869.79	85.13	46.459		
5,200.00	3,930.01	12,310.00	7,272.34	56.03	95.75	142.37	-2,888.18	-3,050.79	3,883.03	3,796.64	86.39	44.949		
5,300.00	3,991.36	12,310.00	7,272.34	57.48	95.75	142.37	-2,888.18	-3,050.79	3,812.41	3,724.74	87.67	43.485		
5,400.00	4,052.72	12,310.00	7,272.34	58.93	95.75	142.37	-2,888.18	-3,050.79	3,743.13	3,654.15	88.98	42.067		
5,500.00	4,114.07	12,310.00	7,272.34	60.38	95.75	142.37	-2,888.18	-3,050.79	3,675.27	3,584.96	90.31	40.697		
5,600.00	4,175.43	12,286.44	7,272.75	61.83	95.35	142.34	-2,911.72	-3,051.82	3,608.82	3,517.56	91.26	39.545		
5,700.00	4,236.78	12,207.00	7,274.02	63.28	94.01	142.23	-2,991.07	-3,055.22	3,542.60	3,451.32	91.28	38.809		
5,800.00	4,298.14	12,133.66	7,275.21	64.73	92.77	142.13	-3,064.34	-3,058.27	3,476.38	3,384.97	91.41	38.029		
5,900.00	4,359.49	12,068.09	7,276.75	66.18	91.67	142.05	-3,129.84	-3,060.71	3,410.45	3,318.77	91.68	37.201		
6,000.00	4,420.85	12,007.22	7,278.39	67.63	90.64	141.97	-3,190.65	-3,063.02	3,344.78	3,252.75	92.03	36.343		
6,100.00	4,482.20	11,948.71	7,280.50	69.08	89.65	141.91	-3,249.09	-3,064.67	3,279.37	3,186.94	92.43	35.480		
6,200.00	4,543.55	11,904.89	7,282.53	70.53	88.91	141.88	-3,292.85	-3,065.74	3,214.52	3,121.41	93.11	34.526		
6,300.00	4,604.91	11,430.53	7,281.12	71.98	80.88	141.40	-3,766.46	-3,064.82	3,146.10	3,061.25	84.85	37.079		
6,400.00	4,666.26	11,388.38	7,279.64	73.44	80.16	141.41	-3,808.47	-3,061.68	3,072.69	2,987.25	85.45	35.960		
6,500.00	4,727.62	11,374.00	7,279.36	74.89	79.91	141.41	-3,822.80	-3,060.52	3,000.24	2,913.50	86.74	34.587		
6,600.00	4,788.97	11,342.00	7,279.36	76.34	79.37	141.44	-3,854.70	-3,057.99	2,928.84	2,841.20	87.63	33.421		
6,700.00	4,850.33	11,263.01	7,279.83	77.79	78.02	141.48	-3,933.50	-3,052.52	2,858.04	2,770.67	87.37	32.713		
6,800.00	4,911.68	11,184.00	7,279.22	79.24	76.68	141.49	-4,012.39	-3,048.20	2,786.88	2,699.75	87.14	31.983		
6,900.00	4,973.04	11,125.75	7,278.47	80.70	75.69	141.47	-4,070.57	-3,045.53	2,715.73	2,628.27	87.46	31.050		
7,000.00	5,034.39	11,068.49	7,277.90	82.15	74.73	141.45	-4,127.78	-3,043.23	2,644.94	2,557.10	87.84	30.111		
7,100.00	5,095.75	11,025.00	7,277.86	83.60	74.00	141.44	-4,171.24	-3,041.48	2,574.71	2,486.12	88.60	29.061		
7,200.00	5,157.10	10,962.00	7,278.36	85.05	72.94	141.43	-4,234.19	-3,039.02	2,505.06	2,416.21	88.85	28.195		
7,300.00	5,218.46	10,927.45	7,278.70	86.51	72.36	141.41	-4,268.72	-3,038.20	2,436.04	2,346.11	89.93	27.088		

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 MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 144-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		
7,400.00	5,279.81	10,828.83	7,279.26	87.96	70.73	141.31	-4,367.33	-3,037.08	2,367.29	2,277.99	89.30	26.508		
7,500.00	5,341.17	10,719.97	7,277.92	89.41	68.92	141.18	-4,476.16	-3,035.12	2,296.99	2,208.64	88.35	25.999		
7,600.00	5,402.52	10,677.00	7,277.47	90.87	68.21	141.12	-4,519.12	-3,034.41	2,227.00	2,137.70	89.30	24.937		
7,700.00	5,463.88	10,623.92	7,277.33	92.32	67.34	141.04	-4,572.20	-3,033.99	2,157.81	2,067.80	90.01	23.973		
7,800.00	5,525.23	10,561.52	7,277.11	93.77	66.33	140.91	-4,634.60	-3,034.38	2,089.08	1,998.58	90.51	23.082		
7,900.00	5,586.59	10,410.60	7,275.27	95.23	63.86	140.62	-4,785.47	-3,033.06	2,019.44	1,931.29	88.16	22.907		
8,000.00	5,647.94	10,360.00	7,274.75	96.68	63.04	140.58	-4,836.01	-3,030.82	1,948.50	1,859.57	88.94	21.909		
8,100.00	5,709.30	10,316.72	7,274.76	98.13	62.33	140.54	-4,879.26	-3,029.19	1,878.43	1,788.40	90.03	20.864		
8,200.00	5,770.65	10,262.69	7,274.99	99.59	61.46	140.46	-4,933.28	-3,028.25	1,809.33	1,718.49	90.84	19.918		
8,300.00	5,832.01	9,987.99	7,258.62	101.04	57.04	139.59	-5,207.16	-3,020.85	1,734.90	1,651.59	83.31	20.824		
8,400.00	5,893.36	9,931.33	7,252.53	102.49	56.14	139.37	-5,263.41	-3,017.82	1,658.06	1,574.14	83.93	19.756		
8,500.00	5,954.72	9,904.86	7,250.21	103.95	55.71	139.27	-5,289.73	-3,016.33	1,582.29	1,496.39	85.89	18.421		
8,600.00	6,016.07	9,885.00	7,249.15	105.40	55.40	139.22	-5,309.53	-3,015.13	1,508.35	1,420.07	88.29	17.085		
8,700.00	6,077.43	9,853.00	7,248.45	106.86	54.89	139.17	-5,341.46	-3,013.18	1,436.28	1,346.04	90.24	15.916		
8,800.00	6,138.78	9,803.27	7,248.22	108.31	54.11	139.03	-5,391.17	-3,011.80	1,366.15	1,274.62	91.53	14.925		
8,900.00	6,200.13	9,652.78	7,246.77	109.76	51.75	138.81	-5,541.17	-3,002.25	1,295.23	1,207.86	87.38	14.823		
9,000.00	6,261.49	9,568.00	7,245.89	111.22	50.42	139.05	-5,625.11	-2,990.40	1,221.01	1,134.91	86.10	14.182		
9,100.00	6,322.84	9,529.83	7,245.57	112.67	49.82	139.19	-5,662.87	-2,984.87	1,146.63	1,058.80	87.83	13.055		
9,200.00	6,384.20	9,455.26	7,244.79	114.13	48.67	139.42	-5,736.77	-2,974.97	1,072.53	985.34	87.19	12.301		
9,300.00	6,445.55	9,400.65	7,244.26	115.58	47.83	139.54	-5,791.02	-2,968.71	999.11	911.04	88.07	11.345		
9,400.00	6,506.91	9,363.32	7,243.89	117.03	47.27	139.54	-5,828.22	-2,965.68	926.99	836.44	90.55	10.237		
9,500.00	6,568.26	9,303.70	7,243.83	118.49	46.38	139.33	-5,887.80	-2,963.65	856.96	765.18	91.78	9.337		
9,600.00	6,629.62	9,251.00	7,244.09	119.94	45.61	139.03	-5,940.50	-2,963.14	788.18	694.29	93.89	8.394		
9,700.00	6,690.97	9,182.94	7,244.59	121.40	44.63	138.44	-6,008.55	-2,964.10	720.55	625.36	95.19	7.569		
9,800.00	6,752.33	9,075.34	7,244.45	122.85	43.09	137.58	-6,116.09	-2,962.18	651.31	558.69	92.61	7.032		
9,900.00	6,813.68	9,004.32	7,243.49	124.31	42.07	137.10	-6,186.99	-2,958.08	579.78	486.62	93.15	6.224		
10,000.00	6,875.04	8,934.00	7,242.49	125.76	41.09	136.40	-6,257.22	-2,954.69	508.60	414.57	94.03	5.409		
10,100.00	6,936.39	8,871.00	7,241.74	127.22	40.22	135.56	-6,320.15	-2,951.90	437.76	341.44	96.32	4.545		
10,200.00	6,997.75	8,801.24	7,241.74	128.67	39.28	134.23	-6,389.87	-2,949.77	368.24	269.94	98.29	3.746		
10,300.00	7,059.10	8,727.06	7,239.83	130.13	38.30	132.00	-6,463.97	-2,946.81	296.97	196.65	100.32	2.960		
10,400.00	7,118.86	8,669.07	7,240.63	131.62	37.54	132.81	-6,521.91	-2,945.02	225.97	121.34	104.63	2.160		
10,500.00	7,173.55	8,604.11	7,243.27	133.17	36.71	144.65	-6,586.76	-2,942.32	151.52	54.96	96.56	1.569		
10,600.00	7,221.49	8,548.33	7,245.62	134.72	36.01	173.36	-6,642.43	-2,939.68	83.82	17.50	66.33	1.264 Level 3		
10,650.27	7,242.56	8,525.02	7,246.61	135.47	35.72	-170.87	-6,665.69	-2,938.40	69.59	-22.93	92.53	0.752 Level 1, CC		
10,700.00	7,261.21	8,504.48	7,247.51	136.22	35.47	-158.38	-6,686.17	-2,937.22	84.27	-56.04	140.31	0.601 Level 1, ES, SF		
10,800.00	7,291.51	8,472.01	7,248.79	137.61	35.07	-143.64	-6,718.56	-2,935.39	161.93	3.69	158.24	1.023 Level 2		
10,900.00	7,311.47	8,452.34	7,249.54	138.86	34.84	-137.52	-6,738.19	-2,934.37	257.22	98.60	158.62	1.622		
11,000.00	7,320.48	8,447.04	7,249.73	139.92	34.77	95.74	-6,743.48	-2,934.09	356.72	198.29	158.43	2.252		
11,100.00	7,321.00	8,451.39	7,249.58	140.82	34.82	62.52	-6,739.14	-2,934.32	456.57	298.06	158.51	2.880		
11,200.00	7,321.00	8,457.00	7,249.37	141.74	34.89	66.81	-6,733.54	-2,934.61	556.40	397.92	158.49	3.511		
11,300.00	7,321.00	8,461.96	7,249.17	142.69	34.95	69.57	-6,728.60	-2,934.86	656.25	497.73	158.52	4.140		
11,400.00	7,321.00	8,468.37	7,248.93	143.67	35.03	72.25	-6,722.20	-2,935.19	756.09	597.67	158.42	4.773		
11,500.00	7,321.00	8,475.13	7,248.67	144.68	35.11	74.35	-6,715.45	-2,935.56	855.92	697.61	158.31	5.407		
11,600.00	7,321.00	8,482.29	7,248.39	145.73	35.20	76.04	-6,708.31	-2,935.95	955.75	797.56	158.19	6.042		
11,700.00	7,321.00	8,489.86	7,248.10	146.80	35.29	77.42	-6,700.75	-2,936.39	1,055.57	897.51	158.06	6.678		
11,800.00	7,321.00	8,495.30	7,247.89	147.91	35.36	78.23	-6,695.32	-2,936.70	1,155.40	997.33	158.06	7.310		
11,900.00	7,321.00	8,501.19	7,247.65	149.05	35.43	78.96	-6,689.45	-2,937.04	1,255.22	1,097.18	158.04	7.942		
12,000.00	7,321.00	8,507.07	7,247.40	150.22	35.50	79.59	-6,683.58	-2,937.37	1,355.04	1,197.02	158.02	8.575		
12,100.00	7,321.00	8,512.96	7,247.15	151.42	35.57	80.13	-6,677.71	-2,937.71	1,454.86	1,296.87	157.99	9.209		
12,200.00	7,321.00	8,518.84	7,246.89	152.66	35.64	80.59	-6,671.85	-2,938.05	1,554.68	1,396.72	157.96	9.842		
12,300.00	7,321.00	8,523.74	7,246.67	153.93	35.70	80.93	-6,666.96	-2,938.33	1,654.51	1,496.53	157.98	10.473		
12,400.00	7,321.00	8,528.29	7,246.46	155.22	35.76	81.22	-6,662.42	-2,938.59	1,754.34	1,596.33	158.00	11.103		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 144-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		
12,500.00	7,321.00	8,532.72	7,246.27	156.55	35.82	81.48	-6,658.00	-2,938.83	1,854.17	1,696.14	158.03	11.733		
12,600.00	7,321.00	8,537.05	7,246.09	157.91	35.87	81.72	-6,653.68	-2,939.07	1,954.01	1,795.96	158.05	12.363		
12,700.00	7,321.00	8,541.27	7,245.91	159.31	35.92	81.93	-6,649.47	-2,939.30	2,053.85	1,895.78	158.07	12.993		
12,800.00	7,321.00	8,545.39	7,245.74	160.73	35.97	82.13	-6,645.37	-2,939.52	2,153.70	1,995.60	158.10	13.623		
12,900.00	7,321.00	8,552.00	7,245.47	162.18	36.05	82.42	-6,638.77	-2,939.87	2,253.55	2,095.51	158.04	14.259		
13,000.00	7,321.00	8,552.00	7,245.47	163.67	36.05	82.42	-6,638.77	-2,939.87	2,353.40	2,195.22	158.18	14.878		
13,100.00	7,321.00	8,552.00	7,245.47	165.18	36.05	82.42	-6,638.77	-2,939.87	2,453.26	2,294.95	158.31	15.497		
13,200.00	7,321.00	8,560.18	7,245.14	166.73	36.16	82.74	-6,630.61	-2,940.29	2,553.12	2,394.91	158.21	16.138		
13,300.00	7,321.00	8,563.51	7,245.00	168.30	36.20	82.86	-6,627.28	-2,940.45	2,652.98	2,494.75	158.24	16.766		
13,400.00	7,321.00	8,566.75	7,244.86	169.90	36.24	82.97	-6,624.04	-2,940.62	2,752.85	2,594.58	158.27	17.394		
13,500.00	7,321.00	8,569.91	7,244.73	171.53	36.28	83.07	-6,620.89	-2,940.77	2,852.73	2,694.43	158.30	18.021		
13,600.00	7,321.00	8,572.99	7,244.60	173.19	36.32	83.17	-6,617.82	-2,940.92	2,952.60	2,794.27	158.33	18.649		
13,700.00	7,321.00	8,575.99	7,244.47	174.88	36.36	83.26	-6,614.83	-2,941.06	3,052.48	2,894.12	158.36	19.276		
13,800.00	7,321.00	8,585.00	7,244.09	176.59	36.47	83.50	-6,605.84	-2,941.48	3,152.37	2,994.13	158.24	19.921		
13,900.00	7,321.00	8,585.00	7,244.09	178.33	36.47	83.50	-6,605.84	-2,941.48	3,252.25	3,093.91	158.34	20.539		
14,000.00	7,321.00	8,585.00	7,244.09	180.09	36.47	83.50	-6,605.84	-2,941.48	3,352.13	3,193.70	158.43	21.158		
14,100.00	7,321.00	8,585.00	7,244.09	181.88	36.47	83.50	-6,605.84	-2,941.48	3,452.03	3,293.51	158.52	21.776		
14,200.00	7,321.00	8,591.20	7,243.82	183.70	36.55	83.65	-6,599.65	-2,941.75	3,551.92	3,393.44	158.47	22.413		
14,300.00	7,321.00	8,594.50	7,243.68	185.54	36.59	83.73	-6,596.35	-2,941.90	3,651.81	3,493.32	158.49	23.042		
14,400.00	7,321.00	8,597.76	7,243.54	187.40	36.63	83.80	-6,593.10	-2,942.04	3,751.71	3,593.20	158.50	23.670		
14,500.00	7,321.00	8,600.97	7,243.40	189.29	36.67	83.87	-6,589.90	-2,942.18	3,851.60	3,693.09	158.52	24.298		
14,600.00	7,321.00	8,604.12	7,243.27	191.20	36.71	83.93	-6,586.75	-2,942.32	3,951.50	3,792.97	158.53	24.926		
14,700.00	7,321.00	8,607.23	7,243.14	193.13	36.75	84.00	-6,583.64	-2,942.45	4,051.40	3,892.86	158.55	25.553		
14,800.00	7,321.00	8,610.30	7,243.02	195.08	36.79	84.06	-6,580.59	-2,942.58	4,151.30	3,992.74	158.56	26.181		
14,900.00	7,321.00	8,617.00	7,242.75	197.05	36.87	84.19	-6,573.89	-2,942.87	4,251.21	4,092.70	158.51	26.820		
15,000.00	7,321.00	8,617.00	7,242.75	199.04	36.87	84.19	-6,573.89	-2,942.87	4,351.11	4,192.53	158.58	27.438		
15,100.00	7,321.00	8,621.34	7,242.57	201.06	36.93	84.26	-6,569.57	-2,943.05	4,451.02	4,292.44	158.57	28.070		
15,200.00	7,321.00	8,627.13	7,242.34	203.09	37.00	84.36	-6,563.79	-2,943.29	4,550.92	4,392.38	158.54	28.706		
15,300.00	7,321.00	8,633.00	7,242.09	205.14	37.08	84.46	-6,557.92	-2,943.55	4,650.81	4,492.31	158.50	29.342		
15,400.00	7,321.00	8,638.96	7,241.85	207.21	37.16	84.55	-6,551.97	-2,943.80	4,750.72	4,592.25	158.47	29.979		
15,500.00	7,321.00	8,645.01	7,241.60	209.29	37.23	84.63	-6,545.93	-2,944.06	4,850.62	4,692.19	158.43	30.616		
15,600.00	7,321.00	8,651.15	7,241.34	211.39	37.31	84.71	-6,539.81	-2,944.32	4,950.52	4,792.12	158.40	31.253		
15,700.00	7,321.00	8,649.00	7,241.43	213.51	37.28	84.68	-6,541.95	-2,944.23	5,050.42	4,891.92	158.50	31.864		
15,800.00	7,321.00	8,649.00	7,241.43	215.65	37.28	84.68	-6,541.95	-2,944.23	5,150.33	4,991.77	158.56	32.482		
15,900.00	7,321.00	8,649.00	7,241.43	217.80	37.28	84.68	-6,541.95	-2,944.23	5,250.24	5,091.61	158.62	33.099		
16,000.00	7,321.00	8,649.00	7,241.43	219.96	37.28	84.68	-6,541.95	-2,944.23	5,350.15	5,191.47	158.68	33.716		
16,100.00	7,321.00	8,649.00	7,241.43	222.14	37.28	84.68	-6,541.95	-2,944.23	5,450.06	5,291.32	158.74	34.333		
16,200.00	7,321.00	8,649.00	7,241.43	224.34	37.28	84.68	-6,541.95	-2,944.23	5,549.98	5,391.19	158.80	34.950		
16,300.00	7,321.00	8,649.00	7,241.43	226.55	37.28	84.68	-6,541.95	-2,944.23	5,649.90	5,491.05	158.85	35.567		
16,400.00	7,321.00	8,660.80	7,240.95	228.77	37.44	84.83	-6,530.17	-2,944.72	5,749.79	5,591.05	158.73	36.223		
16,500.00	7,321.00	8,662.06	7,240.90	231.00	37.45	84.85	-6,528.91	-2,944.76	5,849.71	5,690.94	158.77	36.843		
16,600.00	7,321.00	8,663.29	7,240.85	233.25	37.47	84.86	-6,527.68	-2,944.81	5,949.63	5,790.82	158.81	37.464		
16,700.00	7,321.00	8,664.49	7,240.80	235.51	37.48	84.88	-6,526.48	-2,944.86	6,049.55	5,890.70	158.85	38.085		
16,800.00	7,321.00	8,665.66	7,240.76	237.78	37.50	84.89	-6,525.31	-2,944.90	6,149.47	5,990.59	158.88	38.705		
16,900.00	7,321.00	8,666.81	7,240.71	240.06	37.51	84.91	-6,524.17	-2,944.94	6,249.40	6,090.48	158.92	39.325		
17,000.00	7,321.00	8,667.93	7,240.67	242.35	37.53	84.92	-6,523.05	-2,944.98	6,349.33	6,190.37	158.95	39.944		
17,100.00	7,321.00	8,669.03	7,240.63	244.66	37.54	84.93	-6,521.95	-2,945.02	6,449.26	6,290.27	158.99	40.564		
17,200.00	7,321.00	8,681.00	7,240.18	246.97	37.70	85.07	-6,510.00	-2,945.43	6,549.22	6,390.34	158.88	41.221		
17,300.00	7,321.00	8,681.00	7,240.18	249.29	37.70	85.07	-6,510.00	-2,945.43	6,649.14	6,490.21	158.93	41.837		
17,400.00	7,321.00	8,681.00	7,240.18	251.63	37.70	85.07	-6,510.00	-2,945.43	6,749.07	6,590.09	158.98	42.452		
17,500.00	7,321.00	8,681.00	7,240.18	253.97	37.70	85.07	-6,510.00	-2,945.43	6,849.00	6,689.97	159.03	43.067		
17,600.00	7,321.00	8,681.00	7,240.18	256.32	37.70	85.07	-6,510.00	-2,945.43	6,948.93	6,789.85	159.08	43.682		

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 MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 144-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		
17,700.00	7,321.00	8,681.00	7,240.18	258.68	37.70	85.07	-6,510.00	-2,945.43	7,048.87	6,889.74	159.13	44.297		
17,800.00	7,321.00	8,681.00	7,240.18	261.05	37.70	85.07	-6,510.00	-2,945.43	7,148.80	6,989.63	159.17	44.912		
17,900.00	7,321.00	8,681.00	7,240.18	263.43	37.70	85.07	-6,510.00	-2,945.43	7,248.74	7,089.52	159.22	45.526		
18,000.00	7,321.00	8,681.00	7,240.18	265.81	37.70	85.07	-6,510.00	-2,945.43	7,348.68	7,189.41	159.27	46.140		
18,100.00	7,321.00	8,681.00	7,240.18	268.21	37.70	85.07	-6,510.00	-2,945.43	7,448.62	7,289.31	159.31	46.755		
18,200.00	7,321.00	8,681.00	7,240.18	270.61	37.70	85.07	-6,510.00	-2,945.43	7,548.56	7,389.21	159.36	47.368		
18,300.00	7,321.00	8,681.00	7,240.18	273.02	37.70	85.07	-6,510.00	-2,945.43	7,648.51	7,489.11	159.40	47.982		
18,400.00	7,321.00	8,681.00	7,240.18	275.43	37.70	85.07	-6,510.00	-2,945.43	7,748.45	7,589.01	159.45	48.595		
18,500.00	7,321.00	8,681.00	7,240.18	277.86	37.70	85.07	-6,510.00	-2,945.43	7,848.40	7,688.91	159.49	49.209		
18,600.00	7,321.00	8,681.00	7,240.18	280.28	37.70	85.07	-6,510.00	-2,945.43	7,948.35	7,788.81	159.54	49.822		
18,700.00	7,321.00	8,776.00	7,241.31	282.72	38.95	86.60	-6,415.09	-2,948.82	8,048.29	7,889.78	158.51	50.775		
18,800.00	7,321.00	8,776.00	7,241.31	285.16	38.95	86.60	-6,415.09	-2,948.82	8,148.20	7,989.64	158.56	51.388		
18,900.00	7,321.00	8,776.00	7,241.31	287.61	38.95	86.60	-6,415.09	-2,948.82	8,248.11	8,089.50	158.61	52.002		
19,000.00	7,321.00	8,776.00	7,241.31	290.06	38.95	86.60	-6,415.09	-2,948.82	8,348.02	8,189.36	158.66	52.615		
19,100.00	7,321.00	8,776.00	7,241.31	292.52	38.95	86.60	-6,415.09	-2,948.82	8,447.94	8,289.22	158.71	53.228		
19,200.00	7,321.00	8,776.00	7,241.31	294.99	38.95	86.60	-6,415.09	-2,948.82	8,547.85	8,389.09	158.76	53.841		
19,300.00	7,321.00	8,776.00	7,241.31	297.46	38.95	86.60	-6,415.09	-2,948.82	8,647.77	8,488.96	158.81	54.453		
19,400.00	7,321.00	8,776.00	7,241.31	299.94	38.95	86.60	-6,415.09	-2,948.82	8,747.69	8,588.83	158.86	55.065		
19,500.00	7,321.00	8,776.00	7,241.31	302.42	38.95	86.60	-6,415.09	-2,948.82	8,847.61	8,688.70	158.91	55.677		
19,600.00	7,321.00	8,776.00	7,241.31	304.90	38.95	86.60	-6,415.09	-2,948.82	8,947.53	8,788.58	158.96	56.289		
19,700.00	7,321.00	8,776.00	7,241.31	307.40	38.95	86.60	-6,415.09	-2,948.82	9,047.46	8,888.45	159.00	56.901		
19,800.00	7,321.00	8,788.78	7,241.59	309.89	39.12	86.76	-6,402.32	-2,949.34	9,147.34	8,988.42	158.92	57.558		
19,900.00	7,321.00	8,789.54	7,241.60	312.39	39.13	86.77	-6,401.56	-2,949.36	9,247.26	9,088.30	158.96	58.172		
20,000.00	7,321.00	8,790.29	7,241.61	314.90	39.14	86.78	-6,400.81	-2,949.39	9,347.19	9,188.18	159.00	58.786		
20,100.00	7,321.00	8,791.02	7,241.62	317.41	39.15	86.79	-6,400.08	-2,949.42	9,447.11	9,288.07	159.04	59.399		
20,200.00	7,321.00	8,791.75	7,241.63	319.92	39.16	86.79	-6,399.36	-2,949.45	9,547.04	9,387.95	159.09	60.012		
20,300.00	7,321.00	8,792.46	7,241.64	322.44	39.17	86.80	-6,398.65	-2,949.47	9,646.97	9,487.84	159.13	60.625		
20,400.00	7,321.00	8,793.16	7,241.65	324.96	39.17	86.81	-6,397.95	-2,949.50	9,746.90	9,587.73	159.17	61.237		
20,500.00	7,321.00	8,793.84	7,241.66	327.49	39.18	86.82	-6,397.27	-2,949.52	9,846.83	9,687.62	159.21	61.850		
20,600.00	7,321.00	8,807.00	7,241.77	330.02	39.36	86.94	-6,384.11	-2,949.95	9,946.80	9,787.67	159.13	62.508		
20,700.00	7,321.00	8,807.00	7,241.77	332.55	39.36	86.94	-6,384.11	-2,949.95	10,046.73	9,887.55	159.17	63.118		
20,800.00	7,321.00	8,807.00	7,241.77	335.09	39.36	86.94	-6,384.11	-2,949.95	10,146.66	9,987.44	159.22	63.727		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 149-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		
0.00	0.00	12,126.00	7,107.01	0.00	94.24	-141.79	-2,895.04	-2,279.14	8,057.75					
100.00	100.00	12,126.00	7,107.01	0.27	94.24	-141.79	-2,895.04	-2,279.14	7,968.95	7,919.57	49.38	161.383		
200.00	200.00	12,126.00	7,107.01	0.63	94.24	-141.79	-2,895.04	-2,279.14	7,880.42	7,830.94	49.48	159.262		
300.00	299.98	12,126.00	7,107.01	0.97	94.24	16.01	-2,895.04	-2,279.14	7,791.38	7,741.76	49.62	157.027		
400.00	399.84	12,126.00	7,107.01	1.32	94.24	17.21	-2,895.04	-2,279.14	7,701.11	7,651.33	49.79	154.683		
500.00	499.45	12,126.00	7,107.01	1.68	94.24	18.60	-2,895.04	-2,279.14	7,609.68	7,559.71	49.97	152.297		
600.00	598.70	12,126.00	7,107.01	2.07	94.24	20.22	-2,895.04	-2,279.14	7,517.15	7,466.99	50.16	149.878		
700.00	697.47	12,126.00	7,107.01	2.48	94.24	22.14	-2,895.04	-2,279.14	7,423.60	7,373.25	50.35	147.436		
800.00	795.62	12,126.00	7,107.01	2.93	94.24	24.42	-2,895.04	-2,279.14	7,329.10	7,278.55	50.55	144.977		
900.00	893.06	12,126.00	7,107.01	3.41	94.24	27.17	-2,895.04	-2,279.14	7,233.75	7,182.99	50.76	142.509		
1,000.00	989.64	12,126.00	7,107.01	3.93	94.24	30.55	-2,895.04	-2,279.14	7,137.61	7,086.64	50.97	140.035		
1,100.00	1,085.27	12,126.00	7,107.01	4.50	94.24	34.73	-2,895.04	-2,279.14	7,040.78	6,989.60	51.18	137.562		
1,200.00	1,179.82	12,126.00	7,107.01	5.11	94.24	39.97	-2,895.04	-2,279.14	6,943.35	6,891.95	51.40	135.092		
1,300.00	1,273.17	12,126.00	7,107.01	5.77	94.24	46.61	-2,895.04	-2,279.14	6,845.42	6,793.80	51.61	132.630		
1,400.00	1,365.21	12,126.00	7,107.01	6.48	94.24	55.01	-2,895.04	-2,279.14	6,747.08	6,695.25	51.83	130.177		
1,500.00	1,455.84	12,126.00	7,107.01	7.23	94.24	65.41	-2,895.04	-2,279.14	6,648.44	6,596.39	52.05	127.736		
1,600.00	1,544.94	12,126.00	7,107.01	8.04	94.24	77.68	-2,895.04	-2,279.14	6,549.61	6,497.34	52.27	125.310		
1,700.00	1,632.39	12,126.00	7,107.01	8.90	94.24	91.00	-2,895.04	-2,279.14	6,450.70	6,398.21	52.49	122.898		
1,800.00	1,718.11	12,126.00	7,107.01	9.81	94.24	104.01	-2,895.04	-2,279.14	6,351.84	6,299.13	52.71	120.502		
1,900.00	1,801.97	12,126.00	7,107.01	10.77	94.24	115.54	-2,895.04	-2,279.14	6,253.14	6,200.20	52.94	118.122		
2,000.00	1,883.88	12,126.00	7,107.01	11.78	94.24	125.06	-2,895.04	-2,279.14	6,154.75	6,101.58	53.17	115.758		
2,100.00	1,963.74	12,126.00	7,107.01	12.84	94.24	132.65	-2,895.04	-2,279.14	6,056.79	6,003.38	53.41	113.408		
2,200.00	2,041.45	12,126.00	7,107.01	13.95	94.24	138.63	-2,895.04	-2,279.14	5,959.41	5,905.76	53.65	111.071		
2,300.00	2,116.92	12,126.00	7,107.01	15.10	94.24	143.37	-2,895.04	-2,279.14	5,862.77	5,808.85	53.91	108.744		
2,400.00	2,190.05	12,126.00	7,107.01	16.31	94.24	147.16	-2,895.04	-2,279.14	5,767.01	5,712.82	54.19	106.427		
2,500.00	2,260.76	12,126.00	7,107.01	17.56	94.24	150.23	-2,895.04	-2,279.14	5,672.31	5,617.83	54.48	104.116		
2,600.00	2,328.95	12,126.00	7,107.01	18.85	94.24	152.74	-2,895.04	-2,279.14	5,578.83	5,524.03	54.80	101.810		
2,700.00	2,394.55	12,126.00	7,107.01	20.19	94.24	154.83	-2,895.04	-2,279.14	5,486.76	5,431.62	55.14	99.507		
2,800.00	2,457.48	12,126.00	7,107.01	21.57	94.24	156.58	-2,895.04	-2,279.14	5,396.28	5,340.76	55.51	97.205		
2,900.00	2,518.85	12,126.00	7,107.01	22.98	94.24	156.70	-2,895.04	-2,279.14	5,306.95	5,251.02	55.93	94.893		
3,000.00	2,580.20	12,126.00	7,107.01	24.39	94.24	156.70	-2,895.04	-2,279.14	5,218.01	5,161.63	56.38	92.554		
3,100.00	2,641.56	12,126.00	7,107.01	25.81	94.24	156.70	-2,895.04	-2,279.14	5,129.48	5,072.62	56.86	90.210		
3,200.00	2,702.91	12,126.00	7,107.01	27.23	94.24	156.70	-2,895.04	-2,279.14	5,041.38	4,984.01	57.38	87.867		
3,300.00	2,764.27	12,126.00	7,107.01	28.65	94.24	156.70	-2,895.04	-2,279.14	4,953.74	4,895.82	57.92	85.530		
3,400.00	2,825.62	12,126.00	7,107.01	30.08	94.24	156.70	-2,895.04	-2,279.14	4,866.56	4,808.07	58.49	83.203		
3,500.00	2,886.98	12,126.00	7,107.01	31.51	94.24	156.70	-2,895.04	-2,279.14	4,779.90	4,720.81	59.09	80.893		
3,600.00	2,948.33	12,126.00	7,107.01	32.95	94.24	156.70	-2,895.04	-2,279.14	4,693.76	4,634.04	59.72	78.601		
3,700.00	3,009.68	12,126.00	7,107.01	34.38	94.24	156.70	-2,895.04	-2,279.14	4,608.18	4,547.81	60.37	76.332		
3,800.00	3,071.04	12,126.00	7,107.01	35.82	94.24	156.70	-2,895.04	-2,279.14	4,523.19	4,462.14	61.05	74.089		
3,900.00	3,132.39	12,126.00	7,107.01	37.25	94.24	156.70	-2,895.04	-2,279.14	4,438.83	4,377.07	61.76	71.875		
4,000.00	3,193.75	12,126.00	7,107.01	38.69	94.24	156.70	-2,895.04	-2,279.14	4,355.13	4,292.64	62.49	69.691		
4,100.00	3,255.10	12,126.00	7,107.01	40.13	94.24	156.70	-2,895.04	-2,279.14	4,272.13	4,208.88	63.25	67.541		
4,200.00	3,316.46	12,126.00	7,107.01	41.58	94.24	156.70	-2,895.04	-2,279.14	4,189.87	4,125.83	64.04	65.427		
4,300.00	3,377.81	12,126.00	7,107.01	43.02	94.24	156.70	-2,895.04	-2,279.14	4,108.40	4,043.55	64.85	63.349		
4,400.00	3,439.17	12,126.00	7,107.01	44.46	94.24	156.70	-2,895.04	-2,279.14	4,027.77	3,962.08	65.69	61.312		
4,500.00	3,500.52	12,126.00	7,107.01	45.91	94.24	156.70	-2,895.04	-2,279.14	3,948.02	3,881.46	66.56	59.315		
4,600.00	3,561.88	12,126.00	7,107.01	47.35	94.24	156.70	-2,895.04	-2,279.14	3,869.22	3,801.76	67.45	57.361		
4,700.00	3,623.23	12,126.00	7,107.01	48.80	94.24	156.70	-2,895.04	-2,279.14	3,791.41	3,723.04	68.37	55.451		
4,800.00	3,684.59	12,126.00	7,107.01	50.24	94.24	156.70	-2,895.04	-2,279.14	3,714.66	3,645.34	69.32	53.587		
4,900.00	3,745.94	12,126.00	7,107.01	51.69	94.24	156.70	-2,895.04	-2,279.14	3,639.05	3,568.76	70.29	51.771		
5,000.00	3,807.30	12,126.00	7,107.01	53.14	94.24	156.70	-2,895.04	-2,279.14	3,564.64	3,493.35	71.29	50.004		
5,100.00	3,868.65	12,126.00	7,107.01	54.58	94.24	156.70	-2,895.04	-2,279.14	3,491.50	3,419.19	72.31	48.287		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 149-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	3,930.01	12,126.00	7,107.01	56.03	94.24	156.70	-2,895.04	-2,279.14	3,419.73	3,346.38	73.35	46.622		
5,300.00	3,991.36	12,126.00	7,107.01	57.48	94.24	156.70	-2,895.04	-2,279.14	3,349.40	3,274.99	74.41	45.010		
5,400.00	4,052.72	12,126.00	7,107.01	58.93	94.24	156.70	-2,895.04	-2,279.14	3,280.61	3,205.12	75.50	43.453		
5,500.00	4,114.07	12,109.15	7,107.36	60.38	93.95	156.76	-2,911.88	-2,279.05	3,213.42	3,137.14	76.28	42.127		
5,600.00	4,175.43	12,044.00	7,108.75	61.83	92.83	157.00	-2,977.02	-2,278.77	3,146.82	3,070.67	76.15	41.322		
5,700.00	4,236.78	11,929.95	7,110.49	63.28	90.88	157.43	-3,091.05	-2,278.42	3,079.81	3,004.74	75.07	41.026		
5,800.00	4,298.14	11,804.50	7,111.55	64.73	88.74	157.94	-3,216.49	-2,277.84	3,012.76	2,939.05	73.71	40.875		
5,900.00	4,359.49	11,719.17	7,110.49	66.18	87.29	158.30	-3,301.82	-2,277.35	2,943.88	2,870.75	73.13	40.257		
6,000.00	4,420.85	11,674.29	7,110.01	67.63	86.52	158.49	-3,346.69	-2,277.37	2,875.34	2,801.95	73.39	39.179		
6,100.00	4,482.20	11,583.61	7,109.55	69.08	84.99	158.89	-3,437.37	-2,277.38	2,807.27	2,734.59	72.68	38.625		
6,200.00	4,543.55	11,506.00	7,108.27	70.53	83.67	159.24	-3,514.97	-2,277.87	2,738.52	2,666.27	72.25	37.906		
6,300.00	4,604.91	11,474.00	7,107.94	71.98	83.13	159.38	-3,546.96	-2,278.12	2,670.35	2,597.54	72.81	36.677		
6,400.00	4,666.26	11,342.77	7,106.77	73.44	80.92	160.05	-3,678.18	-2,278.53	2,602.29	2,531.16	71.12	36.588		
6,500.00	4,727.62	11,296.37	7,105.94	74.89	80.14	160.29	-3,724.57	-2,278.55	2,533.52	2,462.16	71.36	35.505		
6,600.00	4,788.97	11,240.63	7,105.54	76.34	79.20	160.61	-3,780.31	-2,278.54	2,465.51	2,394.13	71.37	34.544		
6,700.00	4,850.33	11,188.31	7,105.66	77.79	78.32	160.94	-3,832.63	-2,278.19	2,398.10	2,326.64	71.46	33.558		
6,800.00	4,911.68	11,106.65	7,105.84	79.24	76.95	161.47	-3,914.29	-2,277.67	2,330.80	2,259.98	70.82	32.912		
6,900.00	4,973.04	11,056.21	7,106.34	80.70	76.10	161.82	-3,964.72	-2,277.10	2,264.00	2,193.05	70.95	31.910		
7,000.00	5,034.39	10,955.21	7,106.95	82.15	74.41	162.61	-4,065.69	-2,274.88	2,196.82	2,127.10	69.72	31.511		
7,100.00	5,095.75	10,912.72	7,107.29	83.60	73.70	162.96	-4,108.17	-2,274.13	2,130.07	2,060.02	70.05	30.408		
7,200.00	5,157.10	10,787.01	7,107.79	85.05	71.60	164.04	-4,233.86	-2,272.09	2,063.29	1,995.22	68.07	30.311		
7,300.00	5,218.46	10,713.00	7,106.41	86.51	70.37	164.72	-4,307.84	-2,270.91	1,994.97	1,927.47	67.50	29.554		
7,400.00	5,279.81	10,668.77	7,105.96	87.96	69.64	165.14	-4,352.07	-2,270.48	1,927.61	1,859.81	67.80	28.431		
7,500.00	5,341.17	10,590.97	7,105.85	89.41	68.36	165.89	-4,429.87	-2,270.93	1,861.19	1,794.05	67.15	27.719		
7,600.00	5,402.52	10,505.16	7,105.01	90.87	66.95	166.76	-4,515.66	-2,271.63	1,794.36	1,728.13	66.23	27.092		
7,700.00	5,463.88	10,447.11	7,104.14	92.32	66.00	167.35	-4,573.69	-2,273.00	1,727.58	1,661.39	66.18	26.104		
7,800.00	5,525.23	10,385.41	7,103.86	93.77	65.00	167.96	-4,635.34	-2,275.70	1,661.89	1,595.84	66.06	25.158		
7,900.00	5,586.59	10,325.56	7,103.73	95.23	64.03	168.59	-4,695.11	-2,278.61	1,596.68	1,530.67	66.01	24.188		
8,000.00	5,647.94	10,221.79	7,102.78	96.68	62.36	169.73	-4,798.71	-2,284.42	1,531.17	1,466.60	64.58	23.711		
8,100.00	5,709.30	10,135.89	7,100.83	98.13	60.99	170.74	-4,884.43	-2,289.70	1,464.99	1,401.29	63.69	23.001		
8,200.00	5,770.65	10,079.00	7,099.59	99.59	60.09	171.48	-4,941.20	-2,293.01	1,399.05	1,335.27	63.78	21.936		
8,300.00	5,832.01	10,038.57	7,099.71	101.04	59.44	172.07	-4,981.58	-2,294.97	1,334.91	1,270.44	64.47	20.706		
8,400.00	5,893.36	9,963.64	7,100.35	102.49	58.26	173.23	-5,056.42	-2,298.70	1,271.70	1,207.69	64.00	19.869		
8,500.00	5,954.72	9,898.19	7,101.48	103.95	57.22	174.36	-5,121.81	-2,301.44	1,209.43	1,145.50	63.92	18.920		
8,600.00	6,016.07	9,800.75	7,102.19	105.40	55.69	176.21	-5,219.14	-2,305.81	1,146.89	1,084.14	62.76	18.275		
8,700.00	6,077.43	9,703.40	7,100.86	106.86	54.17	178.35	-5,316.40	-2,309.57	1,083.31	1,021.60	61.71	17.555		
8,800.00	6,138.78	9,652.68	7,099.97	108.31	53.39	179.60	-5,367.09	-2,311.41	1,020.21	957.64	62.57	16.306		
8,900.00	6,200.13	9,594.18	7,100.64	109.76	52.48	-178.81	-5,425.56	-2,312.99	959.85	896.45	63.40	15.140		
9,000.00	6,261.49	9,524.19	7,101.80	111.22	51.40	-176.66	-5,495.53	-2,314.00	900.98	836.78	64.20	14.035		
9,100.00	6,322.84	9,423.87	7,102.09	112.67	49.87	-173.11	-5,595.84	-2,314.85	842.45	777.79	64.66	13.028		
9,200.00	6,384.20	9,335.98	7,099.69	114.13	48.53	-169.51	-5,683.69	-2,315.68	783.26	716.79	66.47	11.783		
9,300.00	6,445.55	9,270.92	7,097.31	115.58	47.55	-166.42	-5,748.71	-2,315.54	725.63	655.69	69.94	10.374		
9,400.00	6,506.91	9,200.64	7,095.43	117.03	46.50	-162.69	-5,818.96	-2,314.96	671.38	596.73	74.65	8.994		
9,500.00	6,568.26	9,141.46	7,094.00	118.49	45.63	-159.21	-5,878.12	-2,314.38	620.71	539.84	80.87	7.676		
9,600.00	6,629.62	9,078.91	7,094.00	119.94	44.71	-155.31	-5,940.67	-2,314.47	575.49	487.06	88.43	6.508		
9,700.00	6,690.97	8,996.93	7,094.18	121.40	43.53	-149.67	-6,022.65	-2,314.44	535.53	437.52	98.02	5.464		
9,800.00	6,752.33	8,926.06	7,093.58	122.85	42.52	-144.33	-6,093.51	-2,314.71	501.01	392.08	108.93	4.599		
9,900.00	6,813.68	8,852.96	7,093.91	124.31	41.49	-138.51	-6,166.60	-2,315.38	474.55	353.87	120.68	3.932		
10,000.00	6,875.04	8,773.25	7,092.77	125.76	40.39	-131.70	-6,246.30	-2,316.16	455.95	322.96	132.99	3.429		
10,100.00	6,936.39	8,714.00	7,092.07	127.22	39.58	-126.48	-6,305.54	-2,316.51	447.84	305.16	142.69	3.139		
10,113.95	6,944.95	8,704.92	7,092.00	127.42	39.45	-125.67	-6,314.63	-2,316.39	447.74	303.82	143.92	3.111 CC		
10,200.00	6,997.75	8,642.68	7,091.24	128.67	38.62	-120.10	-6,376.85	-2,315.42	451.81	301.01	150.80	2.996 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 MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 149-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,300.00	7,059.10	8,579.67	7,091.18	130.13	37.78	-114.63	-6,439.84	-2,314.27	466.76	311.66	155.10	3.009		
10,400.00	7,118.86	8,508.08	7,091.16	131.62	36.85	-115.13	-6,511.41	-2,312.20	498.38	340.88	157.50	3.164		
10,500.00	7,173.55	8,454.14	7,090.44	133.17	36.17	-116.56	-6,565.31	-2,310.28	553.15	396.26	156.90	3.526		
10,600.00	7,221.49	8,398.00	7,090.17	134.72	35.46	-115.75	-6,621.40	-2,308.01	625.92	469.46	156.46	4.001		
10,700.00	7,261.21	8,355.07	7,089.85	136.22	34.94	-112.83	-6,664.30	-2,306.32	711.18	555.37	155.81	4.564		
10,800.00	7,291.51	8,318.39	7,089.40	137.61	34.49	-103.88	-6,700.95	-2,305.11	804.41	648.58	155.84	5.162		
10,900.00	7,311.47	8,298.73	7,089.07	138.86	34.26	-74.64	-6,720.60	-2,304.49	902.19	746.31	155.88	5.788		
11,000.00	7,320.48	8,291.70	7,088.94	139.92	34.17	-1.71	-6,727.63	-2,304.27	1,001.44	845.25	156.19	6.412		
11,100.00	7,321.00	8,294.31	7,088.99	140.82	34.20	12.72	-6,725.02	-2,304.35	1,100.11	943.52	156.58	7.026		
11,200.00	7,321.00	8,297.51	7,089.05	141.74	34.24	13.73	-6,721.82	-2,304.45	1,198.90	1,042.01	156.89	7.641		
11,300.00	7,321.00	8,300.72	7,089.11	142.69	34.28	14.73	-6,718.62	-2,304.56	1,297.87	1,140.74	157.14	8.259		
11,400.00	7,321.00	8,303.92	7,089.16	143.67	34.32	15.72	-6,715.41	-2,304.66	1,396.99	1,239.65	157.33	8.879		
11,500.00	7,321.00	8,307.12	7,089.22	144.68	34.36	16.70	-6,712.21	-2,304.76	1,496.21	1,338.72	157.49	9.501		
11,600.00	7,321.00	8,310.32	7,089.27	145.73	34.40	17.68	-6,709.01	-2,304.86	1,595.52	1,437.91	157.61	10.123		
11,700.00	7,321.00	8,313.53	7,089.32	146.80	34.43	18.64	-6,705.81	-2,304.96	1,694.91	1,537.19	157.72	10.746		
11,800.00	7,321.00	8,316.73	7,089.37	147.91	34.47	19.60	-6,702.61	-2,305.06	1,794.36	1,636.55	157.80	11.371		
11,900.00	7,321.00	8,319.93	7,089.42	149.05	34.51	20.54	-6,699.41	-2,305.16	1,893.86	1,735.98	157.88	11.996		
12,000.00	7,321.00	8,323.14	7,089.47	150.22	34.55	21.47	-6,696.21	-2,305.26	1,993.41	1,835.47	157.94	12.621		
12,100.00	7,321.00	8,326.34	7,089.51	151.42	34.59	22.39	-6,693.01	-2,305.36	2,092.99	1,935.00	157.99	13.248		
12,200.00	7,321.00	8,329.54	7,089.55	152.66	34.63	23.30	-6,689.81	-2,305.46	2,192.61	2,034.57	158.03	13.874		
12,300.00	7,321.00	8,332.75	7,089.60	153.93	34.67	24.19	-6,686.60	-2,305.56	2,292.25	2,134.18	158.07	14.501		
12,400.00	7,321.00	8,339.57	7,089.68	155.22	34.75	26.06	-6,679.78	-2,305.77	2,391.93	2,233.91	158.01	15.137		
12,500.00	7,321.00	8,358.75	7,089.88	156.55	34.98	31.01	-6,660.61	-2,306.47	2,491.60	2,333.95	157.65	15.805		
12,600.00	7,321.00	8,355.80	7,089.84	157.91	34.95	30.27	-6,663.57	-2,306.39	2,591.26	2,433.42	157.84	16.417		
12,700.00	7,321.00	8,359.62	7,089.88	159.31	34.99	31.22	-6,659.75	-2,306.53	2,690.97	2,533.12	157.85	17.047		
12,800.00	7,321.00	8,373.95	7,090.01	160.73	35.17	34.60	-6,645.43	-2,307.09	2,790.68	2,633.06	157.63	17.704		
12,900.00	7,321.00	8,376.77	7,090.04	162.18	35.20	35.23	-6,642.61	-2,307.20	2,890.41	2,732.74	157.67	18.333		
13,000.00	7,321.00	8,379.53	7,090.06	163.67	35.24	35.84	-6,639.85	-2,307.31	2,990.15	2,832.45	157.70	18.961		
13,100.00	7,321.00	8,382.24	7,090.08	165.18	35.27	36.43	-6,637.15	-2,307.42	3,089.91	2,932.17	157.74	19.589		
13,200.00	7,321.00	8,384.88	7,090.09	166.73	35.30	37.00	-6,634.51	-2,307.52	3,189.67	3,031.90	157.77	20.217		
13,300.00	7,321.00	8,387.47	7,090.11	168.30	35.33	37.55	-6,631.92	-2,307.62	3,289.45	3,131.65	157.80	20.845		
13,400.00	7,321.00	8,390.01	7,090.13	169.90	35.37	38.08	-6,629.38	-2,307.72	3,389.24	3,231.40	157.83	21.474		
13,500.00	7,321.00	8,398.00	7,090.17	171.53	35.46	39.70	-6,621.40	-2,308.01	3,489.04	3,331.28	157.76	22.117		
13,600.00	7,321.00	8,398.00	7,090.17	173.19	35.46	39.70	-6,621.40	-2,308.01	3,588.84	3,431.01	157.83	22.738		
13,700.00	7,321.00	8,398.00	7,090.17	174.88	35.46	39.70	-6,621.40	-2,308.01	3,688.65	3,530.75	157.91	23.360		
13,800.00	7,321.00	8,405.12	7,090.21	176.59	35.55	41.08	-6,614.29	-2,308.28	3,788.47	3,630.62	157.85	24.001		
13,900.00	7,321.00	8,415.96	7,090.25	178.33	35.69	43.08	-6,603.46	-2,308.70	3,888.29	3,730.57	157.72	24.653		
14,000.00	7,321.00	8,427.85	7,090.28	180.09	35.84	45.13	-6,591.57	-2,309.18	3,988.11	3,830.52	157.58	25.308		
14,100.00	7,321.00	8,422.55	7,090.26	181.88	35.77	44.23	-6,596.87	-2,308.97	4,087.92	3,930.17	157.75	25.914		
14,200.00	7,321.00	8,437.86	7,090.31	183.70	35.96	46.75	-6,581.57	-2,309.60	4,187.74	4,030.19	157.55	26.580		
14,300.00	7,321.00	8,442.51	7,090.34	185.54	36.02	47.47	-6,576.93	-2,309.79	4,287.56	4,130.02	157.55	27.215		
14,400.00	7,321.00	8,447.15	7,090.37	187.40	36.08	48.17	-6,572.29	-2,309.98	4,387.39	4,229.85	157.54	27.850		
14,500.00	7,321.00	8,451.80	7,090.42	189.29	36.14	48.86	-6,567.65	-2,310.18	4,487.22	4,329.69	157.53	28.485		
14,600.00	7,321.00	8,456.44	7,090.47	191.20	36.20	49.53	-6,563.01	-2,310.37	4,587.05	4,429.53	157.52	29.121		
14,700.00	7,321.00	8,461.09	7,090.53	193.13	36.25	50.18	-6,558.37	-2,310.57	4,686.89	4,529.38	157.51	29.756		
14,800.00	7,321.00	8,461.00	7,090.53	195.08	36.25	50.17	-6,558.45	-2,310.56	4,786.73	4,629.15	157.57	30.378		
14,900.00	7,321.00	8,461.00	7,090.53	197.05	36.25	50.17	-6,558.45	-2,310.56	4,886.57	4,728.94	157.63	31.000		
15,000.00	7,321.00	8,461.00	7,090.53	199.04	36.25	50.17	-6,558.45	-2,310.56	4,986.42	4,828.73	157.69	31.621		
15,100.00	7,321.00	8,461.00	7,090.53	201.06	36.25	50.17	-6,558.45	-2,310.56	5,086.28	4,928.53	157.75	32.243		
15,200.00	7,321.00	8,461.00	7,090.53	203.09	36.25	50.17	-6,558.45	-2,310.56	5,186.15	5,028.34	157.80	32.864		
15,300.00	7,321.00	8,471.50	7,090.68	205.14	36.39	51.59	-6,547.96	-2,310.99	5,285.99	5,128.28	157.71	33.517		
15,400.00	7,321.00	8,473.11	7,090.70	207.21	36.41	51.80	-6,546.35	-2,311.05	5,385.86	5,228.11	157.74	34.144		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 149-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		
15,500.00	7,321.00	8,474.68	7,090.72	209.29	36.43	52.01	-6,544.78	-2,311.11	5,485.73	5,327.95	157.77	34.770		
15,600.00	7,321.00	8,476.22	7,090.74	211.39	36.45	52.20	-6,543.24	-2,311.17	5,585.60	5,427.79	157.80	35.396		
15,700.00	7,321.00	8,477.73	7,090.76	213.51	36.47	52.40	-6,541.74	-2,311.22	5,685.48	5,527.64	157.84	36.021		
15,800.00	7,321.00	8,479.20	7,090.79	215.65	36.48	52.58	-6,540.27	-2,311.28	5,785.36	5,627.49	157.87	36.647		
15,900.00	7,321.00	8,480.64	7,090.81	217.80	36.50	52.76	-6,538.83	-2,311.33	5,885.24	5,727.34	157.90	37.272		
16,000.00	7,321.00	8,482.05	7,090.82	219.96	36.52	52.94	-6,537.42	-2,311.38	5,985.12	5,827.20	157.93	37.898		
16,100.00	7,321.00	8,492.00	7,090.96	222.14	36.65	54.13	-6,527.48	-2,311.72	6,085.03	5,927.18	157.85	38.550		
16,200.00	7,321.00	8,492.00	7,090.96	224.34	36.65	54.13	-6,527.48	-2,311.72	6,184.92	6,027.02	157.90	39.171		
16,300.00	7,321.00	8,492.00	7,090.96	226.55	36.65	54.13	-6,527.48	-2,311.72	6,284.81	6,126.86	157.94	39.791		
16,400.00	7,321.00	8,492.00	7,090.96	228.77	36.65	54.13	-6,527.48	-2,311.72	6,384.70	6,226.71	157.99	40.412		
16,500.00	7,321.00	8,492.00	7,090.96	231.00	36.65	54.13	-6,527.48	-2,311.72	6,484.60	6,326.56	158.04	41.032		
16,600.00	7,321.00	8,492.00	7,090.96	233.25	36.65	54.13	-6,527.48	-2,311.72	6,584.50	6,426.41	158.08	41.652		
16,700.00	7,321.00	8,492.00	7,090.96	235.51	36.65	54.13	-6,527.48	-2,311.72	6,684.40	6,526.27	158.13	42.272		
16,800.00	7,321.00	8,492.00	7,090.96	237.78	36.65	54.13	-6,527.48	-2,311.72	6,784.31	6,626.13	158.17	42.892		
16,900.00	7,321.00	8,492.00	7,090.96	240.06	36.65	54.13	-6,527.48	-2,311.72	6,884.22	6,726.00	158.22	43.511		
17,000.00	7,321.00	8,492.00	7,090.96	242.35	36.65	54.13	-6,527.48	-2,311.72	6,984.13	6,825.87	158.26	44.131		
17,100.00	7,321.00	8,492.00	7,090.96	244.66	36.65	54.13	-6,527.48	-2,311.72	7,084.04	6,925.74	158.30	44.750		
17,200.00	7,321.00	8,492.00	7,090.96	246.97	36.65	54.13	-6,527.48	-2,311.72	7,183.96	7,025.61	158.34	45.369		
17,300.00	7,321.00	8,492.00	7,090.96	249.29	36.65	54.13	-6,527.48	-2,311.72	7,283.88	7,125.49	158.39	45.988		
17,400.00	7,321.00	8,492.00	7,090.96	251.63	36.65	54.13	-6,527.48	-2,311.72	7,383.80	7,225.37	158.43	46.607		
17,500.00	7,321.00	8,492.00	7,090.96	253.97	36.65	54.13	-6,527.48	-2,311.72	7,483.72	7,325.25	158.47	47.225		
17,600.00	7,321.00	8,492.00	7,090.96	256.32	36.65	54.13	-6,527.48	-2,311.72	7,583.64	7,425.13	158.51	47.844		
17,700.00	7,321.00	8,492.00	7,090.96	258.68	36.65	54.13	-6,527.48	-2,311.72	7,683.57	7,525.02	158.55	48.462		
17,800.00	7,321.00	8,492.00	7,090.96	261.05	36.65	54.13	-6,527.48	-2,311.72	7,783.50	7,624.91	158.59	49.080		
17,900.00	7,321.00	8,492.00	7,090.96	263.43	36.65	54.13	-6,527.48	-2,311.72	7,883.43	7,724.80	158.63	49.697		
18,000.00	7,321.00	8,492.00	7,090.96	265.81	36.65	54.13	-6,527.48	-2,311.72	7,983.36	7,824.69	158.67	50.315		
18,100.00	7,321.00	8,492.00	7,090.96	268.21	36.65	54.13	-6,527.48	-2,311.72	8,083.30	7,924.59	158.71	50.932		
18,200.00	7,321.00	8,492.00	7,090.96	270.61	36.65	54.13	-6,527.48	-2,311.72	8,183.23	8,024.49	158.75	51.549		
18,300.00	7,321.00	8,492.00	7,090.96	273.02	36.65	54.13	-6,527.48	-2,311.72	8,283.17	8,124.38	158.78	52.166		
18,400.00	7,321.00	8,492.00	7,090.96	275.43	36.65	54.13	-6,527.48	-2,311.72	8,383.11	8,224.29	158.82	52.783		
18,500.00	7,321.00	8,504.66	7,091.12	277.86	36.81	55.57	-6,514.82	-2,312.11	8,483.00	8,324.28	158.73	53.444		
18,600.00	7,321.00	8,505.27	7,091.13	280.28	36.82	55.63	-6,514.21	-2,312.12	8,582.94	8,424.18	158.76	54.063		
18,700.00	7,321.00	8,505.87	7,091.14	282.72	36.83	55.70	-6,513.61	-2,312.14	8,682.88	8,524.09	158.79	54.681		
18,800.00	7,321.00	8,506.46	7,091.14	285.16	36.83	55.76	-6,513.02	-2,312.15	8,782.82	8,623.99	158.82	55.299		
18,900.00	7,321.00	8,507.04	7,091.15	287.61	36.84	55.82	-6,512.45	-2,312.17	8,882.76	8,723.90	158.86	55.917		
19,000.00	7,321.00	8,507.61	7,091.16	290.06	36.85	55.88	-6,511.88	-2,312.18	8,982.70	8,823.81	158.89	56.535		
19,100.00	7,321.00	8,508.16	7,091.16	292.52	36.86	55.94	-6,511.32	-2,312.20	9,082.64	8,923.72	158.92	57.152		
19,200.00	7,321.00	8,508.71	7,091.17	294.99	36.86	56.00	-6,510.77	-2,312.21	9,182.59	9,023.63	158.95	57.769		
19,300.00	7,321.00	8,509.25	7,091.17	297.46	36.87	56.06	-6,510.24	-2,312.23	9,282.53	9,123.55	158.99	58.386		
19,400.00	7,321.00	8,511.59	7,091.21	299.94	37.68	61.62	-6,447.93	-2,314.02	9,382.47	9,224.06	158.41	59.228		
19,500.00	7,321.00	8,572.30	7,091.21	302.42	37.69	61.67	-6,447.21	-2,314.05	9,482.40	9,323.95	158.45	59.846		
19,600.00	7,321.00	8,573.01	7,091.20	304.90	37.70	61.73	-6,446.51	-2,314.07	9,582.33	9,423.85	158.48	60.463		
19,700.00	7,321.00	8,573.70	7,091.20	307.40	37.71	61.78	-6,445.81	-2,314.09	9,682.26	9,523.74	158.52	61.080		
19,800.00	7,321.00	8,574.39	7,091.20	309.89	37.71	61.83	-6,445.13	-2,314.11	9,782.19	9,623.64	158.55	61.697		
19,900.00	7,321.00	8,587.00	7,091.16	312.39	37.88	62.74	-6,432.52	-2,314.47	9,882.16	9,723.68	158.47	62.358		
20,000.00	7,321.00	8,587.00	7,091.16	314.90	37.88	62.74	-6,432.52	-2,314.47	9,982.09	9,823.57	158.52	62.972		
20,100.00	7,321.00	8,587.00	7,091.16	317.41	37.88	62.74	-6,432.52	-2,314.47	10,082.02	9,923.46	158.56	63.586		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	11,954.00	7,297.28	0.27	92.31	-151.61	-2,871.39	-1,551.88	7,927.38	7,882.90	44.48	178.229		
200.00	200.00	11,954.00	7,297.28	0.63	92.31	-151.61	-2,871.39	-1,551.88	7,836.36	7,791.81	44.55	175.891		
300.00	299.98	11,954.00	7,297.28	0.97	92.31	5.57	-2,871.39	-1,551.88	7,744.85	7,700.19	44.66	173.434		
400.00	399.84	11,954.00	7,297.28	1.32	92.31	6.07	-2,871.39	-1,551.88	7,652.17	7,607.39	44.78	170.870		
500.00	499.45	11,954.00	7,297.28	1.68	92.31	6.67	-2,871.39	-1,551.88	7,558.42	7,513.50	44.92	168.274		
600.00	598.70	11,954.00	7,297.28	2.07	92.31	7.39	-2,871.39	-1,551.88	7,463.65	7,418.60	45.05	165.658		
700.00	697.47	11,954.00	7,297.28	2.48	92.31	8.29	-2,871.39	-1,551.88	7,367.96	7,322.76	45.19	163.031		
800.00	795.62	11,954.00	7,297.28	2.93	92.31	9.44	-2,871.39	-1,551.88	7,271.41	7,226.08	45.33	160.403		
900.00	893.06	11,954.00	7,297.28	3.41	92.31	10.93	-2,871.39	-1,551.88	7,174.11	7,128.64	45.47	157.781		
1,000.00	989.64	11,954.00	7,297.28	3.93	92.31	12.96	-2,871.39	-1,551.88	7,076.13	7,030.53	45.60	155.171		
1,100.00	1,085.27	11,954.00	7,297.28	4.50	92.31	15.86	-2,871.39	-1,551.88	6,977.57	6,931.84	45.73	152.579		
1,200.00	1,179.82	11,954.00	7,297.28	5.11	92.31	20.31	-2,871.39	-1,551.88	6,878.53	6,832.68	45.85	150.010		
1,300.00	1,273.17	11,954.00	7,297.28	5.77	92.31	27.86	-2,871.39	-1,551.88	6,779.11	6,733.14	45.97	147.468		
1,400.00	1,365.21	11,954.00	7,297.28	6.48	92.31	42.48	-2,871.39	-1,551.88	6,679.42	6,633.35	46.08	144.958		
1,500.00	1,455.84	11,954.00	7,297.28	7.23	92.31	73.15	-2,871.39	-1,551.88	6,579.57	6,533.40	46.18	142.483		
1,600.00	1,544.94	11,954.00	7,297.28	8.04	92.31	115.41	-2,871.39	-1,551.88	6,479.68	6,433.41	46.27	140.045		
1,700.00	1,632.39	11,954.00	7,297.28	8.90	92.31	141.13	-2,871.39	-1,551.88	6,379.87	6,333.52	46.35	137.645		
1,800.00	1,718.11	11,954.00	7,297.28	9.81	92.31	153.35	-2,871.39	-1,551.88	6,280.26	6,233.84	46.42	135.284		
1,900.00	1,801.97	11,954.00	7,297.28	10.77	92.31	159.88	-2,871.39	-1,551.88	6,180.99	6,134.51	46.49	132.962		
2,000.00	1,883.88	11,954.00	7,297.28	11.78	92.31	163.85	-2,871.39	-1,551.88	6,082.21	6,035.67	46.54	130.676		
2,100.00	1,963.74	11,954.00	7,297.28	12.84	92.31	166.48	-2,871.39	-1,551.88	5,984.06	5,937.46	46.60	128.424		
2,200.00	2,041.45	11,954.00	7,297.28	13.95	92.31	168.34	-2,871.39	-1,551.88	5,886.69	5,840.05	46.65	126.201		
2,300.00	2,116.92	11,954.00	7,297.28	15.10	92.31	169.73	-2,871.39	-1,551.88	5,790.27	5,743.57	46.70	124.000		
2,400.00	2,190.05	11,954.00	7,297.28	16.31	92.31	170.80	-2,871.39	-1,551.88	5,694.96	5,648.20	46.75	121.812		
2,500.00	2,260.76	11,954.00	7,297.28	17.56	92.31	171.64	-2,871.39	-1,551.88	5,600.93	5,554.11	46.82	119.629		
2,600.00	2,328.95	11,954.00	7,297.28	18.85	92.31	172.32	-2,871.39	-1,551.88	5,508.39	5,461.48	46.90	117.441		
2,700.00	2,394.55	11,954.00	7,297.28	20.19	92.31	172.88	-2,871.39	-1,551.88	5,417.50	5,370.49	47.01	115.235		
2,800.00	2,457.48	11,954.00	7,297.28	21.57	92.31	173.35	-2,871.39	-1,551.88	5,328.48	5,281.32	47.15	113.002		
2,900.00	2,518.85	11,954.00	7,297.28	22.98	92.31	173.39	-2,871.39	-1,551.88	5,240.79	5,193.46	47.33	110.718		
3,000.00	2,580.20	11,954.00	7,297.28	24.39	92.31	173.39	-2,871.39	-1,551.88	5,153.56	5,106.00	47.56	108.360		
3,100.00	2,641.56	11,954.00	7,297.28	25.81	92.31	173.39	-2,871.39	-1,551.88	5,066.80	5,018.99	47.81	105.968		
3,200.00	2,702.91	11,954.00	7,297.28	27.23	92.31	173.39	-2,871.39	-1,551.88	4,980.54	4,932.44	48.10	103.550		
3,300.00	2,764.27	11,954.00	7,297.28	28.65	92.31	173.39	-2,871.39	-1,551.88	4,894.80	4,846.39	48.41	101.115		
3,400.00	2,825.62	11,954.00	7,297.28	30.08	92.31	173.39	-2,871.39	-1,551.88	4,809.61	4,760.87	48.74	98.671		
3,500.00	2,886.98	11,954.00	7,297.28	31.51	92.31	173.39	-2,871.39	-1,551.88	4,725.00	4,675.90	49.10	96.224		
3,600.00	2,948.33	11,954.00	7,297.28	32.95	92.31	173.39	-2,871.39	-1,551.88	4,641.01	4,591.52	49.49	93.782		
3,700.00	3,009.68	11,954.00	7,297.28	34.38	92.31	173.39	-2,871.39	-1,551.88	4,557.65	4,507.76	49.89	91.348		
3,800.00	3,071.04	11,954.00	7,297.28	35.82	92.31	173.39	-2,871.39	-1,551.88	4,474.99	4,424.67	50.32	88.928		
3,900.00	3,132.39	11,954.00	7,297.28	37.25	92.31	173.39	-2,871.39	-1,551.88	4,393.04	4,342.27	50.77	86.525		
4,000.00	3,193.75	11,954.00	7,297.28	38.69	92.31	173.39	-2,871.39	-1,551.88	4,311.85	4,260.61	51.24	84.144		
4,100.00	3,255.10	11,954.00	7,297.28	40.13	92.31	173.39	-2,871.39	-1,551.88	4,231.47	4,179.74	51.74	81.788		
4,200.00	3,316.46	11,954.00	7,297.28	41.58	92.31	173.39	-2,871.39	-1,551.88	4,151.95	4,099.69	52.25	79.460		
4,300.00	3,377.81	11,954.00	7,297.28	43.02	92.31	173.39	-2,871.39	-1,551.88	4,073.32	4,020.53	52.79	77.162		
4,400.00	3,439.17	11,954.00	7,297.28	44.46	92.31	173.39	-2,871.39	-1,551.88	3,995.65	3,942.30	53.35	74.897		
4,500.00	3,500.52	11,954.00	7,297.28	45.91	92.31	173.39	-2,871.39	-1,551.88	3,919.00	3,865.07	53.93	72.668		
4,600.00	3,561.88	11,954.00	7,297.28	47.35	92.31	173.39	-2,871.39	-1,551.88	3,843.41	3,788.88	54.53	70.477		
4,700.00	3,623.23	11,954.00	7,297.28	48.80	92.31	173.39	-2,871.39	-1,551.88	3,768.97	3,713.80	55.16	68.326		
4,800.00	3,684.59	11,954.00	7,297.28	50.24	92.31	173.39	-2,871.39	-1,551.88	3,695.73	3,639.91	55.81	66.218		
4,900.00	3,745.94	11,954.00	7,297.28	51.69	92.31	173.39	-2,871.39	-1,551.88	3,623.77	3,567.28	56.48	64.155		
5,000.00	3,807.30	11,954.00	7,297.28	53.14	92.31	173.39	-2,871.39	-1,551.88	3,553.16	3,495.98	57.18	62.138		
5,100.00	3,868.65	11,954.00	7,297.28	54.58	92.31	173.39	-2,871.39	-1,551.88	3,484.00	3,426.10	57.90	60.169		
5,200.00	3,930.01	11,954.00	7,297.28	56.03	92.31	173.39	-2,871.39	-1,551.88	3,416.36	3,357.72	58.65	58.251		

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

Civitas Resources
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 12-T6N-R67W - SIMONSEN 1L-421 - Wellbore #1 - Wellbore #1													Offset Site Error:	0.00 usft
Survey Program: 125-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		
5,300.00	3,991.36	11,954.00	7,297.28	57.48	92.31	173.39	-2,871.39	-1,551.88	3,350.35	3,290.93	59.42	56.386		
5,400.00	4,052.72	11,954.00	7,297.28	58.93	92.31	173.39	-2,871.39	-1,551.88	3,286.05	3,225.84	60.21	54.576		
5,500.00	4,114.07	11,898.00	7,297.86	60.38	91.35	173.80	-2,927.38	-1,552.08	3,222.93	3,162.66	60.27	53.472		
5,600.00	4,175.43	11,836.45	7,298.83	61.83	90.30	174.27	-2,988.93	-1,552.26	3,160.39	3,100.11	60.28	52.429		
5,700.00	4,236.78	11,715.11	7,300.03	63.28	88.24	175.22	-3,110.24	-1,553.70	3,097.75	3,038.26	59.49	52.073		
5,800.00	4,298.14	11,656.29	7,300.28	64.73	87.25	175.66	-3,169.02	-1,555.89	3,034.94	2,975.36	59.58	50.941		
5,900.00	4,359.49	11,580.00	7,300.28	66.18	85.97	176.24	-3,245.23	-1,559.35	2,972.07	2,912.62	59.45	49.994		
6,000.00	4,420.85	11,549.00	7,300.77	67.63	85.45	176.48	-3,276.19	-1,560.84	2,910.35	2,850.37	59.98	48.524		
6,100.00	4,482.20	11,415.64	7,302.08	69.08	83.22	177.56	-3,409.39	-1,567.20	2,848.79	2,789.70	59.09	48.210		
6,200.00	4,543.55	11,254.85	7,299.01	70.53	80.54	178.99	-3,569.99	-1,574.36	2,785.11	2,727.29	57.82	48.170		
6,300.00	4,604.91	11,217.28	7,297.94	71.98	79.92	179.34	-3,607.51	-1,576.00	2,721.08	2,662.74	58.34	46.639		
6,400.00	4,666.26	11,169.00	7,297.20	73.44	79.12	179.80	-3,655.73	-1,578.02	2,658.21	2,599.45	58.76	45.240		
6,500.00	4,727.62	11,137.00	7,297.11	74.89	78.58	-179.88	-3,687.71	-1,579.14	2,596.52	2,537.06	59.46	43.669		
6,600.00	4,788.97	11,091.40	7,297.71	76.34	77.82	-179.39	-3,733.30	-1,580.04	2,536.28	2,476.26	60.02	42.259		
6,700.00	4,850.33	10,993.47	7,298.48	77.79	76.18	-178.28	-3,831.22	-1,581.15	2,476.12	2,416.24	59.88	41.349		
6,800.00	4,911.68	10,883.00	7,297.99	79.24	74.34	-176.93	-3,941.68	-1,581.28	2,415.53	2,355.87	59.65	40.492		
6,900.00	4,973.04	10,830.58	7,297.53	80.70	73.46	-176.24	-3,994.09	-1,580.83	2,355.17	2,294.83	60.34	39.033		
7,000.00	5,034.39	10,786.59	7,297.62	82.15	72.73	-175.64	-4,038.09	-1,580.27	2,296.13	2,234.90	61.22	37.504		
7,100.00	5,095.75	10,682.89	7,297.61	83.60	70.99	-174.14	-4,141.74	-1,577.56	2,237.58	2,176.15	61.43	36.425		
7,200.00	5,157.10	10,639.01	7,297.39	85.05	70.26	-173.46	-4,185.60	-1,576.01	2,179.51	2,116.96	62.54	34.848		
7,300.00	5,218.46	10,561.52	7,298.12	86.51	68.97	-172.24	-4,263.05	-1,573.70	2,123.09	2,059.74	63.35	33.511		
7,400.00	5,279.81	10,465.54	7,297.99	87.96	67.38	-170.69	-4,359.01	-1,572.26	2,066.49	2,002.41	64.07	32.253		
7,500.00	5,341.17	10,419.42	7,297.86	89.41	66.62	-169.91	-4,405.13	-1,571.41	2,010.68	1,945.14	65.54	30.680		
7,600.00	5,402.52	10,334.44	7,298.09	90.87	65.21	-168.39	-4,490.07	-1,568.95	1,956.26	1,889.50	66.76	29.305		
7,700.00	5,463.88	10,248.00	7,297.11	92.32	63.79	-166.74	-4,576.44	-1,565.82	1,901.89	1,833.69	68.20	27.888		
7,800.00	5,525.23	10,217.00	7,297.08	93.77	63.28	-166.13	-4,607.41	-1,564.47	1,849.41	1,779.08	70.33	26.297		
7,900.00	5,586.59	10,140.23	7,298.03	95.23	62.02	-164.56	-4,684.10	-1,560.99	1,799.24	1,726.97	72.27	24.896		
8,000.00	5,647.94	10,062.81	7,298.04	96.68	60.75	-162.93	-4,761.46	-1,557.83	1,749.42	1,674.98	74.44	23.501		
8,100.00	5,709.30	10,008.36	7,298.47	98.13	59.87	-161.73	-4,815.85	-1,555.47	1,701.60	1,624.63	76.97	22.106		
8,200.00	5,770.65	9,900.84	7,298.40	99.59	58.13	-159.27	-4,923.28	-1,551.04	1,654.71	1,575.20	79.50	20.813		
8,300.00	5,832.01	9,836.00	7,297.10	101.04	57.08	-157.68	-4,988.01	-1,547.54	1,608.66	1,526.12	82.54	19.489		
8,400.00	5,893.36	9,776.21	7,296.69	102.49	56.12	-156.19	-5,047.71	-1,544.47	1,565.30	1,479.51	85.79	18.245		
8,500.00	5,954.72	9,723.40	7,297.25	103.95	55.28	-154.86	-5,100.48	-1,542.34	1,524.73	1,435.53	89.20	17.094		
8,600.00	6,016.07	9,647.76	7,297.74	105.40	54.07	-152.89	-5,176.04	-1,538.81	1,486.31	1,393.48	92.83	16.010		
8,700.00	6,077.43	9,551.00	7,297.53	106.86	52.55	-150.27	-5,272.70	-1,534.74	1,449.49	1,352.73	96.76	14.981		
8,800.00	6,138.78	9,498.83	7,297.46	108.31	51.73	-148.83	-5,324.83	-1,532.74	1,415.24	1,314.50	100.74	14.049		
8,900.00	6,200.13	9,416.36	7,298.12	109.76	50.45	-146.50	-5,407.24	-1,529.63	1,384.21	1,279.25	104.96	13.188		
9,000.00	6,261.49	9,324.08	7,297.35	111.22	49.03	-143.78	-5,499.45	-1,526.11	1,355.15	1,245.70	109.45	12.381		
9,100.00	6,322.84	9,237.11	7,295.42	112.67	47.70	-141.12	-5,586.32	-1,522.51	1,328.71	1,214.61	114.10	11.646		
9,200.00	6,384.20	9,190.23	7,294.52	114.13	47.00	-139.67	-5,633.17	-1,521.03	1,305.21	1,186.82	118.39	11.025		
9,300.00	6,445.55	9,132.99	7,294.40	115.58	46.14	-137.90	-5,690.38	-1,519.07	1,286.18	1,163.52	122.66	10.486		
9,400.00	6,506.91	9,075.00	7,294.88	117.03	45.28	-136.09	-5,748.32	-1,516.92	1,271.40	1,144.62	126.79	10.028		
9,500.00	6,568.26	9,000.64	7,295.71	118.49	44.18	-133.74	-5,822.58	-1,513.13	1,261.21	1,130.23	130.98	9.629		
9,600.00	6,629.62	8,916.00	7,294.60	119.94	42.95	-130.99	-5,907.10	-1,508.86	1,253.81	1,118.59	135.22	9.273		
9,700.00	6,690.97	8,858.08	7,293.73	121.40	42.11	-129.09	-5,964.93	-1,505.68	1,250.63	1,111.88	138.75	9.013		
9,719.65	6,703.03	8,847.59	7,293.74	121.68	41.96	-128.75	-5,975.41	-1,505.16	1,250.54	1,111.16	139.38	8.972 CC		
9,800.00	6,752.33	8,781.92	7,293.75	122.85	41.03	-126.63	-6,040.97	-1,501.62	1,252.00	1,109.76	142.24	8.802 ES		
9,900.00	6,813.68	8,716.60	7,293.16	124.31	40.12	-124.50	-6,106.20	-1,497.97	1,257.18	1,111.98	145.20	8.658		
10,000.00	6,875.04	8,610.30	7,292.26	125.76	38.67	-121.09	-6,212.41	-1,493.98	1,265.17	1,116.61	148.56	8.516		
10,100.00	6,936.39	8,551.35	7,292.45	127.22	37.89	-119.25	-6,271.33	-1,492.45	1,276.48	1,125.85	150.63	8.474		
10,200.00	6,997.75	8,483.06	7,294.30	128.67	36.99	-117.18	-6,339.57	-1,490.72	1,291.83	1,139.37	152.46	8.473 SF		
10,300.00	7,059.10	8,383.74	7,297.91	130.13	35.73	-114.26	-6,438.81	-1,488.97	1,310.22	1,155.67	154.55	8.477		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	7,118.86	8,279.64	7,300.95	131.62	34.46	-117.79	-6,542.86	-1,489.60	1,336.43	1,179.96	156.47	8.541		
10,500.00	7,173.55	8,202.08	7,303.45	133.17	33.55	-121.86	-6,620.35	-1,491.52	1,380.20	1,222.48	157.72	8.751		
10,600.00	7,221.49	8,156.00	7,304.49	134.72	33.03	-125.64	-6,666.41	-1,492.41	1,441.23	1,282.99	158.24	9.108		
10,700.00	7,261.21	8,110.21	7,305.34	136.22	32.52	-128.13	-6,712.19	-1,493.13	1,516.69	1,357.99	158.71	9.557		
10,800.00	7,291.51	8,061.00	7,306.07	137.61	31.99	-128.87	-6,761.39	-1,493.77	1,603.35	1,444.08	159.27	10.067		
10,900.00	7,311.47	8,045.51	7,306.25	138.86	31.83	-129.73	-6,776.88	-1,494.08	1,697.49	1,538.20	159.29	10.656		
11,000.00	7,320.48	8,039.68	7,306.30	139.92	31.76	-129.29	-6,782.71	-1,494.16	1,796.15	1,636.88	159.27	11.277		
11,100.00	7,321.00	8,038.92	7,306.31	140.82	31.76	-124.27	-6,783.47	-1,494.17	1,896.12	1,736.85	159.28	11.905		
11,200.00	7,321.00	8,038.48	7,306.32	141.74	31.75	-123.65	-6,783.90	-1,494.17	1,996.12	1,836.84	159.28	12.532		
11,300.00	7,321.00	8,038.07	7,306.32	142.69	31.75	-123.08	-6,784.32	-1,494.18	2,096.11	1,936.83	159.29	13.159		
11,400.00	7,321.00	8,029.00	7,306.40	143.67	31.65	-113.91	-6,793.38	-1,494.25	2,196.15	2,036.71	159.44	13.775		
11,500.00	7,321.00	8,029.00	7,306.40	144.68	31.65	-113.91	-6,793.38	-1,494.25	2,296.14	2,136.70	159.43	14.402		
11,600.00	7,321.00	8,029.00	7,306.40	145.73	31.65	-113.91	-6,793.38	-1,494.25	2,396.13	2,236.70	159.43	15.029		
11,700.00	7,321.00	8,029.00	7,306.40	146.80	31.65	-113.91	-6,793.38	-1,494.25	2,496.12	2,336.69	159.43	15.657		
11,800.00	7,321.00	8,029.00	7,306.40	147.91	31.65	-113.91	-6,793.38	-1,494.25	2,596.11	2,436.68	159.43	16.284		
11,900.00	7,321.00	8,029.00	7,306.40	149.05	31.65	-113.91	-6,793.38	-1,494.25	2,696.11	2,536.68	159.43	16.911		
12,000.00	7,321.00	8,029.00	7,306.40	150.22	31.65	-113.91	-6,793.38	-1,494.25	2,796.10	2,636.67	159.43	17.538		
12,100.00	7,321.00	8,029.00	7,306.40	151.42	31.65	-113.91	-6,793.38	-1,494.25	2,896.09	2,736.66	159.43	18.165		
12,200.00	7,321.00	8,029.00	7,306.40	152.66	31.65	-113.91	-6,793.38	-1,494.25	2,996.09	2,836.65	159.44	18.792		
12,300.00	7,321.00	8,029.00	7,306.40	153.93	31.65	-113.91	-6,793.38	-1,494.25	3,096.08	2,936.65	159.44	19.419		
12,400.00	7,321.00	8,029.00	7,306.40	155.22	31.65	-113.91	-6,793.38	-1,494.25	3,196.08	3,036.64	159.44	20.045		
12,500.00	7,321.00	8,029.00	7,306.40	156.55	31.65	-113.91	-6,793.38	-1,494.25	3,296.07	3,136.63	159.45	20.672		
12,600.00	7,321.00	8,029.00	7,306.40	157.91	31.65	-113.91	-6,793.38	-1,494.25	3,396.07	3,236.62	159.45	21.298		
12,700.00	7,321.00	8,029.00	7,306.40	159.31	31.65	-113.91	-6,793.38	-1,494.25	3,496.07	3,336.61	159.46	21.925		
12,800.00	7,321.00	8,029.00	7,306.40	160.73	31.65	-113.91	-6,793.38	-1,494.25	3,596.06	3,436.60	159.46	22.551		
12,900.00	7,321.00	8,029.00	7,306.40	162.18	31.65	-113.91	-6,793.38	-1,494.25	3,696.06	3,536.59	159.47	23.177		
13,000.00	7,321.00	8,029.00	7,306.40	163.67	31.65	-113.91	-6,793.38	-1,494.25	3,796.06	3,636.58	159.48	23.803		
13,100.00	7,321.00	8,029.00	7,306.40	165.18	31.65	-113.91	-6,793.38	-1,494.25	3,896.05	3,736.57	159.48	24.429		
13,200.00	7,321.00	8,029.00	7,306.40	166.73	31.65	-113.91	-6,793.38	-1,494.25	3,996.05	3,836.56	159.49	25.055		
13,300.00	7,321.00	8,029.00	7,306.40	168.30	31.65	-113.91	-6,793.38	-1,494.25	4,096.05	3,936.55	159.50	25.681		
13,400.00	7,321.00	8,029.00	7,306.40	169.90	31.65	-113.91	-6,793.38	-1,494.25	4,196.04	4,036.54	159.51	26.307		
13,500.00	7,321.00	8,029.00	7,306.40	171.53	31.65	-113.91	-6,793.38	-1,494.25	4,296.04	4,136.53	159.51	26.932		
13,600.00	7,321.00	8,029.00	7,306.40	173.19	31.65	-113.91	-6,793.38	-1,494.25	4,396.04	4,236.52	159.52	27.557		
13,700.00	7,321.00	8,029.00	7,306.40	174.88	31.65	-113.91	-6,793.38	-1,494.25	4,496.04	4,336.50	159.53	28.183		
13,800.00	7,321.00	8,029.00	7,306.40	176.59	31.65	-113.91	-6,793.38	-1,494.25	4,596.03	4,436.49	159.54	28.808		
13,900.00	7,321.00	8,029.00	7,306.40	178.33	31.65	-113.91	-6,793.38	-1,494.25	4,696.03	4,536.48	159.55	29.433		
14,000.00	7,321.00	8,029.00	7,306.40	180.09	31.65	-113.91	-6,793.38	-1,494.25	4,796.03	4,636.47	159.56	30.058		
14,100.00	7,321.00	8,029.00	7,306.40	181.88	31.65	-113.91	-6,793.38	-1,494.25	4,896.03	4,736.46	159.57	30.682		
14,200.00	7,321.00	8,029.00	7,306.40	183.70	31.65	-113.91	-6,793.38	-1,494.25	4,996.03	4,836.44	159.58	31.307		
14,300.00	7,321.00	8,029.00	7,306.40	185.54	31.65	-113.91	-6,793.38	-1,494.25	5,096.02	4,936.43	159.59	31.931		
14,400.00	7,321.00	8,029.00	7,306.40	187.40	31.65	-113.91	-6,793.38	-1,494.25	5,196.02	5,036.42	159.60	32.556		
14,500.00	7,321.00	8,029.00	7,306.40	189.29	31.65	-113.91	-6,793.38	-1,494.25	5,296.02	5,136.41	159.62	33.180		
14,600.00	7,321.00	8,029.00	7,306.40	191.20	31.65	-113.91	-6,793.38	-1,494.25	5,396.02	5,236.39	159.63	33.804		
14,700.00	7,321.00	8,029.00	7,306.40	193.13	31.65	-113.91	-6,793.38	-1,494.25	5,496.02	5,336.38	159.64	34.428		
14,800.00	7,321.00	8,029.00	7,306.40	195.08	31.65	-113.91	-6,793.38	-1,494.25	5,596.02	5,436.36	159.65	35.051		
14,900.00	7,321.00	8,029.00	7,306.40	197.05	31.65	-113.91	-6,793.38	-1,494.25	5,696.01	5,536.35	159.66	35.675		
15,000.00	7,321.00	8,029.00	7,306.40	199.04	31.65	-113.91	-6,793.38	-1,494.25	5,796.01	5,636.34	159.68	36.298		
15,100.00	7,321.00	8,029.00	7,306.40	201.06	31.65	-113.91	-6,793.38	-1,494.25	5,896.01	5,736.32	159.69	36.922		
15,200.00	7,321.00	7,712.00	7,295.26	203.09	28.71	-90.21	-7,109.74	-1,504.75	5,995.85	5,832.15	163.70	36.627		
15,300.00	7,321.00	7,712.00	7,295.26	205.14	28.71	-90.21	-7,109.74	-1,504.75	6,095.69	5,931.99	163.70	37.236		
15,400.00	7,321.00	7,712.00	7,295.26	207.21	28.71	-90.21	-7,109.74	-1,504.75	6,195.53	6,031.83	163.71	37.845		
15,500.00	7,321.00	7,712.00	7,295.26	209.29	28.71	-90.21	-7,109.74	-1,504.75	6,295.38	6,131.67	163.71	38.454		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,600.00	7,321.00	7,712.00	7,295.26	211.39	28.71	-90.21	-7,109.74	-1,504.75	6,395.23	6,231.52	163.72	39.063		
15,700.00	7,321.00	7,712.00	7,295.26	213.51	28.71	-90.21	-7,109.74	-1,504.75	6,495.09	6,331.37	163.72	39.672		
15,800.00	7,321.00	7,712.00	7,295.26	215.65	28.71	-90.21	-7,109.74	-1,504.75	6,594.95	6,431.22	163.73	40.280		
15,900.00	7,321.00	7,712.00	7,295.26	217.80	28.71	-90.21	-7,109.74	-1,504.75	6,694.82	6,531.08	163.73	40.889		
16,000.00	7,321.00	7,712.00	7,295.26	219.96	28.71	-90.21	-7,109.74	-1,504.75	6,794.69	6,630.95	163.74	41.497		
16,100.00	7,321.00	7,712.00	7,295.26	222.14	28.71	-90.21	-7,109.74	-1,504.75	6,894.56	6,730.81	163.75	42.105		
16,200.00	7,321.00	7,712.00	7,295.26	224.34	28.71	-90.21	-7,109.74	-1,504.75	6,994.44	6,830.68	163.75	42.713		
16,300.00	7,321.00	7,712.00	7,295.26	226.55	28.71	-90.21	-7,109.74	-1,504.75	7,094.32	6,930.56	163.76	43.321		
16,400.00	7,321.00	7,712.00	7,295.26	228.77	28.71	-90.21	-7,109.74	-1,504.75	7,194.20	7,030.43	163.77	43.929		
16,500.00	7,321.00	7,712.00	7,295.26	231.00	28.71	-90.21	-7,109.74	-1,504.75	7,294.09	7,130.31	163.78	44.537		
16,600.00	7,321.00	7,712.00	7,295.26	233.25	28.71	-90.21	-7,109.74	-1,504.75	7,393.98	7,230.19	163.79	45.144		
16,700.00	7,321.00	7,712.00	7,295.26	235.51	28.71	-90.21	-7,109.74	-1,504.75	7,493.87	7,330.08	163.79	45.752		
16,800.00	7,321.00	7,712.00	7,295.26	237.78	28.71	-90.21	-7,109.74	-1,504.75	7,593.77	7,429.96	163.80	46.359		
16,900.00	7,321.00	7,712.00	7,295.26	240.06	28.71	-90.21	-7,109.74	-1,504.75	7,693.67	7,529.85	163.81	46.966		
17,000.00	7,321.00	7,712.00	7,295.26	242.35	28.71	-90.21	-7,109.74	-1,504.75	7,793.57	7,629.74	163.82	47.573		
17,100.00	7,321.00	7,712.00	7,295.26	244.66	28.71	-90.21	-7,109.74	-1,504.75	7,893.47	7,729.64	163.83	48.180		
17,200.00	7,321.00	7,712.00	7,295.26	246.97	28.71	-90.21	-7,109.74	-1,504.75	7,993.38	7,829.53	163.84	48.786		
17,300.00	7,321.00	7,712.00	7,295.26	249.29	28.71	-90.21	-7,109.74	-1,504.75	8,093.28	7,929.43	163.86	49.393		
17,400.00	7,321.00	7,698.97	7,293.72	251.63	28.60	-89.95	-7,122.66	-1,505.47	8,193.05	8,029.01	164.04	49.946		
17,500.00	7,321.00	7,698.67	7,293.68	253.97	28.60	-89.95	-7,122.95	-1,505.48	8,292.95	8,128.90	164.05	50.551		
17,600.00	7,321.00	7,698.37	7,293.64	256.32	28.60	-89.94	-7,123.25	-1,505.49	8,392.86	8,228.79	164.07	51.155		
17,700.00	7,321.00	7,698.09	7,293.61	258.68	28.60	-89.94	-7,123.53	-1,505.51	8,492.77	8,328.69	164.08	51.759		
17,800.00	7,321.00	7,697.80	7,293.57	261.05	28.59	-89.93	-7,123.81	-1,505.52	8,592.68	8,428.58	164.10	52.362		
17,900.00	7,321.00	7,697.53	7,293.54	263.43	28.59	-89.93	-7,124.09	-1,505.53	8,692.60	8,528.48	164.12	52.966		
18,000.00	7,321.00	7,697.26	7,293.51	265.81	28.59	-89.92	-7,124.36	-1,505.54	8,792.51	8,628.38	164.13	53.570		
18,100.00	7,321.00	7,684.00	7,291.87	268.21	28.48	-89.67	-7,137.50	-1,505.96	8,892.58	8,728.26	164.32	54.118		
18,200.00	7,321.00	7,684.00	7,291.87	270.61	28.48	-89.67	-7,137.50	-1,505.96	8,992.49	8,828.16	164.33	54.722		
18,300.00	7,321.00	7,684.00	7,291.87	273.02	28.48	-89.67	-7,137.50	-1,505.96	9,092.40	8,928.06	164.35	55.325		
18,400.00	7,321.00	7,684.00	7,291.87	275.43	28.48	-89.67	-7,137.50	-1,505.96	9,192.32	9,027.96	164.36	55.928		
18,500.00	7,321.00	7,684.00	7,291.87	277.86	28.48	-89.67	-7,137.50	-1,505.96	9,292.24	9,127.87	164.37	56.531		
18,600.00	7,321.00	7,684.00	7,291.87	280.28	28.48	-89.67	-7,137.50	-1,505.96	9,392.16	9,227.77	164.39	57.134		
18,700.00	7,321.00	7,684.00	7,291.87	282.72	28.48	-89.67	-7,137.50	-1,505.96	9,492.08	9,327.68	164.40	57.737		
18,800.00	7,321.00	7,684.00	7,291.87	285.16	28.48	-89.67	-7,137.50	-1,505.96	9,592.01	9,427.59	164.42	58.339		
18,900.00	7,321.00	7,684.00	7,291.87	287.61	28.48	-89.67	-7,137.50	-1,505.96	9,691.93	9,527.50	164.43	58.941		
19,000.00	7,321.00	7,684.00	7,291.87	290.06	28.48	-89.67	-7,137.50	-1,505.96	9,791.86	9,627.41	164.45	59.543		
19,100.00	7,321.00	7,684.00	7,291.87	292.52	28.48	-89.67	-7,137.50	-1,505.96	9,891.79	9,727.32	164.47	60.145		
19,200.00	7,321.00	7,684.00	7,291.87	294.99	28.48	-89.67	-7,137.50	-1,505.96	9,991.72	9,827.24	164.48	60.747		
19,300.00	7,321.00	7,684.00	7,291.87	297.46	28.48	-89.67	-7,137.50	-1,505.96	10,091.65	9,927.15	164.50	61.348		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 152-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		
0.00	0.00	11,813.00	7,128.31	0.00	92.16	-164.68	-2,874.25	-787.36	7,752.03					
100.00	100.00	11,813.00	7,128.31	0.27	92.16	-164.68	-2,874.25	-787.36	7,659.82	7,617.89	41.93	182.696		
200.00	200.00	11,813.00	7,128.31	0.63	92.16	-164.68	-2,874.25	-787.36	7,567.79	7,525.87	41.93	180.507		
300.00	299.98	11,813.00	7,128.31	0.97	92.16	-8.63	-2,874.25	-787.36	7,475.31	7,433.36	41.95	178.193		
400.00	399.84	11,813.00	7,128.31	1.32	92.16	-9.46	-2,874.25	-787.36	7,381.74	7,339.74	42.00	175.756		
500.00	499.45	11,813.00	7,128.31	1.68	92.16	-10.47	-2,874.25	-787.36	7,287.15	7,245.10	42.06	173.274		
600.00	598.70	11,813.00	7,128.31	2.07	92.16	-11.71	-2,874.25	-787.36	7,191.64	7,149.52	42.12	170.759		
700.00	697.47	11,813.00	7,128.31	2.48	92.16	-13.27	-2,874.25	-787.36	7,095.27	7,053.09	42.18	168.220		
800.00	795.62	11,813.00	7,128.31	2.93	92.16	-15.29	-2,874.25	-787.36	6,998.14	6,955.90	42.24	165.664		
900.00	893.06	11,813.00	7,128.31	3.41	92.16	-17.98	-2,874.25	-787.36	6,900.33	6,858.02	42.31	163.100		
1,000.00	989.64	11,813.00	7,128.31	3.93	92.16	-21.73	-2,874.25	-787.36	6,801.93	6,759.56	42.37	160.534		
1,100.00	1,085.27	11,813.00	7,128.31	4.50	92.16	-27.25	-2,874.25	-787.36	6,703.04	6,660.61	42.43	157.970		
1,200.00	1,179.82	11,813.00	7,128.31	5.11	92.16	-35.92	-2,874.25	-787.36	6,603.76	6,561.27	42.49	155.414		
1,300.00	1,273.17	11,813.00	7,128.31	5.77	92.16	-50.44	-2,874.25	-787.36	6,504.20	6,461.66	42.55	152.870		
1,400.00	1,365.21	11,813.00	7,128.31	6.48	92.16	-74.39	-2,874.25	-787.36	6,404.47	6,361.87	42.60	150.339		
1,500.00	1,455.84	11,813.00	7,128.31	7.23	92.16	-104.54	-2,874.25	-787.36	6,304.69	6,262.04	42.65	147.826		
1,600.00	1,544.94	11,813.00	7,128.31	8.04	92.16	-128.28	-2,874.25	-787.36	6,204.97	6,162.27	42.70	145.330		
1,700.00	1,632.39	11,813.00	7,128.31	8.90	92.16	-142.64	-2,874.25	-787.36	6,105.44	6,062.70	42.74	142.852		
1,800.00	1,718.11	11,813.00	7,128.31	9.81	92.16	-151.21	-2,874.25	-787.36	6,006.25	5,963.47	42.78	140.390		
1,900.00	1,801.97	11,813.00	7,128.31	10.77	92.16	-156.68	-2,874.25	-787.36	5,907.52	5,864.69	42.83	137.942		
2,000.00	1,883.88	11,813.00	7,128.31	11.78	92.16	-160.40	-2,874.25	-787.36	5,809.41	5,766.54	42.87	135.504		
2,100.00	1,963.74	11,813.00	7,128.31	12.84	92.16	-163.07	-2,874.25	-787.36	5,712.07	5,669.14	42.93	133.069		
2,200.00	2,041.45	11,813.00	7,128.31	13.95	92.16	-165.06	-2,874.25	-787.36	5,615.66	5,572.67	42.99	130.630		
2,300.00	2,116.92	11,813.00	7,128.31	15.10	92.16	-166.60	-2,874.25	-787.36	5,520.35	5,477.28	43.07	128.177		
2,400.00	2,190.05	11,813.00	7,128.31	16.31	92.16	-167.83	-2,874.25	-787.36	5,426.32	5,383.15	43.17	125.700		
2,500.00	2,260.76	11,813.00	7,128.31	17.56	92.16	-168.82	-2,874.25	-787.36	5,333.76	5,290.46	43.30	123.188		
2,600.00	2,328.95	11,813.00	7,128.31	18.85	92.16	-169.64	-2,874.25	-787.36	5,242.85	5,199.39	43.46	120.632		
2,700.00	2,394.55	11,813.00	7,128.31	20.19	92.16	-170.32	-2,874.25	-787.36	5,153.80	5,110.13	43.67	118.024		
2,800.00	2,457.48	11,813.00	7,128.31	21.57	92.16	-170.89	-2,874.25	-787.36	5,066.82	5,022.89	43.92	115.356		
2,900.00	2,518.85	11,813.00	7,128.31	22.98	92.16	-170.93	-2,874.25	-787.36	4,981.34	4,937.11	44.23	112.621		
3,000.00	2,580.20	11,813.00	7,128.31	24.39	92.16	-170.93	-2,874.25	-787.36	4,896.41	4,851.82	44.59	109.814		
3,100.00	2,641.56	11,813.00	7,128.31	25.81	92.16	-170.93	-2,874.25	-787.36	4,812.07	4,767.09	44.98	106.979		
3,200.00	2,702.91	11,813.00	7,128.31	27.23	92.16	-170.93	-2,874.25	-787.36	4,728.33	4,682.92	45.41	104.127		
3,300.00	2,764.27	11,813.00	7,128.31	28.65	92.16	-170.93	-2,874.25	-787.36	4,645.24	4,599.37	45.87	101.270		
3,400.00	2,825.62	11,813.00	7,128.31	30.08	92.16	-170.93	-2,874.25	-787.36	4,562.83	4,516.47	46.36	98.415		
3,500.00	2,886.98	11,813.00	7,128.31	31.51	92.16	-170.93	-2,874.25	-787.36	4,481.13	4,434.24	46.89	95.571		
3,600.00	2,948.33	11,813.00	7,128.31	32.95	92.16	-170.93	-2,874.25	-787.36	4,400.19	4,352.75	47.44	92.745		
3,700.00	3,009.68	11,813.00	7,128.31	34.38	92.16	-170.93	-2,874.25	-787.36	4,320.05	4,272.02	48.03	89.942		
3,800.00	3,071.04	11,813.00	7,128.31	35.82	92.16	-170.93	-2,874.25	-787.36	4,240.75	4,192.10	48.65	87.167		
3,900.00	3,132.39	11,813.00	7,128.31	37.25	92.16	-170.93	-2,874.25	-787.36	4,162.34	4,113.04	49.30	84.425		
4,000.00	3,193.75	11,813.00	7,128.31	38.69	92.16	-170.93	-2,874.25	-787.36	4,084.88	4,034.89	49.99	81.721		
4,100.00	3,255.10	11,813.00	7,128.31	40.13	92.16	-170.93	-2,874.25	-787.36	4,008.41	3,957.71	50.70	79.058		
4,200.00	3,316.46	11,813.00	7,128.31	41.58	92.16	-170.93	-2,874.25	-787.36	3,933.00	3,881.55	51.45	76.439		
4,300.00	3,377.81	11,813.00	7,128.31	43.02	92.16	-170.93	-2,874.25	-787.36	3,858.71	3,806.47	52.24	73.868		
4,400.00	3,439.17	11,813.00	7,128.31	44.46	92.16	-170.93	-2,874.25	-787.36	3,785.60	3,732.54	53.06	71.348		
4,500.00	3,500.52	11,813.00	7,128.31	45.91	92.16	-170.93	-2,874.25	-787.36	3,713.74	3,659.83	53.92	68.881		
4,600.00	3,561.88	11,813.00	7,128.31	47.35	92.16	-170.93	-2,874.25	-787.36	3,643.22	3,588.41	54.81	66.471		
4,700.00	3,623.23	11,813.00	7,128.31	48.80	92.16	-170.93	-2,874.25	-787.36	3,574.10	3,518.36	55.74	64.121		
4,800.00	3,684.59	11,813.00	7,128.31	50.24	92.16	-170.93	-2,874.25	-787.36	3,506.47	3,449.76	56.71	61.832		
4,900.00	3,745.94	11,813.00	7,128.31	51.69	92.16	-170.93	-2,874.25	-787.36	3,440.41	3,382.69	57.72	59.607		
5,000.00	3,807.30	11,813.00	7,128.31	53.14	92.16	-170.93	-2,874.25	-787.36	3,376.03	3,317.26	58.77	57.449		
5,100.00	3,868.65	11,813.00	7,128.31	54.58	92.16	-170.93	-2,874.25	-787.36	3,313.41	3,253.56	59.85	55.359		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 152-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	3,930.01	11,813.00	7,128.31	56.03	92.16	-170.93	-2,874.25	-787.36	3,252.67	3,191.69	60.98	53.341		
5,300.00	3,991.36	11,813.00	7,128.31	57.48	92.16	-170.93	-2,874.25	-787.36	3,193.90	3,131.75	62.14	51.396		
5,400.00	4,052.72	11,813.00	7,128.31	58.93	92.16	-170.93	-2,874.25	-787.36	3,137.21	3,073.87	63.34	49.526		
5,500.00	4,114.07	11,785.40	7,128.89	60.38	91.69	-170.64	-2,901.85	-787.08	3,082.61	3,018.27	64.34	47.914		
5,600.00	4,175.43	11,662.00	7,130.19	61.83	89.57	-169.23	-3,025.17	-783.49	3,028.44	2,963.85	64.58	46.892		
5,700.00	4,236.78	11,582.41	7,130.67	63.28	88.21	-168.33	-3,104.76	-783.50	2,974.11	2,908.86	65.25	45.582		
5,800.00	4,298.14	11,494.78	7,130.99	64.73	86.72	-167.33	-3,192.38	-784.27	2,920.09	2,854.18	65.91	44.304		
5,900.00	4,359.49	11,425.76	7,131.13	66.18	85.55	-166.53	-3,261.38	-785.72	2,866.37	2,799.57	66.80	42.913		
6,000.00	4,420.85	11,346.00	7,131.46	67.63	84.20	-165.58	-3,341.12	-787.44	2,813.41	2,745.74	67.67	41.577		
6,100.00	4,482.20	11,250.47	7,132.01	69.08	82.59	-164.44	-3,436.57	-791.35	2,760.91	2,692.46	68.45	40.333		
6,200.00	4,543.55	11,156.00	7,131.71	70.53	81.01	-163.29	-3,530.92	-795.95	2,708.22	2,638.89	69.33	39.064		
6,300.00	4,604.91	11,099.58	7,131.64	71.98	80.07	-162.59	-3,587.24	-799.31	2,656.12	2,585.52	70.60	37.620		
6,400.00	4,666.26	11,039.88	7,132.21	73.44	79.07	-161.85	-3,646.80	-803.35	2,605.28	2,533.36	71.92	36.227		
6,500.00	4,727.62	10,983.25	7,132.85	74.89	78.13	-161.13	-3,703.31	-806.97	2,555.40	2,482.06	73.34	34.841		
6,600.00	4,788.97	10,941.99	7,133.83	76.34	77.44	-160.59	-3,744.49	-809.37	2,507.23	2,432.25	74.98	33.437		
6,700.00	4,850.33	10,807.00	7,135.31	77.79	75.20	-158.75	-3,879.26	-816.67	2,458.79	2,382.79	76.00	32.352		
6,800.00	4,911.68	10,718.08	7,136.07	79.24	73.73	-157.51	-3,967.97	-822.79	2,410.99	2,333.54	77.45	31.129		
6,900.00	4,973.04	10,627.28	7,135.85	80.70	72.23	-156.17	-4,058.59	-828.45	2,363.47	2,284.44	79.03	29.906		
7,000.00	5,034.39	10,553.00	7,135.78	82.15	71.02	-155.08	-4,132.63	-834.36	2,316.49	2,235.69	80.80	28.670		
7,100.00	5,095.75	10,501.75	7,135.22	83.60	70.17	-154.26	-4,183.82	-836.87	2,270.80	2,187.89	82.91	27.389		
7,200.00	5,157.10	10,442.27	7,134.25	85.05	69.19	-153.25	-4,243.28	-837.49	2,227.04	2,141.89	85.15	26.154		
7,300.00	5,218.46	10,405.28	7,133.75	86.51	68.58	-152.60	-4,280.27	-837.49	2,185.24	2,097.65	87.59	24.949		
7,400.00	5,279.81	10,338.59	7,133.02	87.96	67.47	-151.39	-4,346.94	-836.26	2,145.61	2,055.54	90.07	23.823		
7,500.00	5,341.17	10,282.47	7,132.55	89.41	66.54	-150.34	-4,403.02	-834.38	2,108.20	2,015.51	92.69	22.745		
7,600.00	5,402.52	10,214.41	7,131.09	90.87	65.42	-149.02	-4,471.01	-831.71	2,072.02	1,976.60	95.42	21.714		
7,700.00	5,463.88	10,164.20	7,130.30	92.32	64.59	-148.02	-4,521.13	-828.84	2,038.69	1,940.44	98.26	20.749		
7,800.00	5,525.23	10,117.55	7,130.67	93.77	63.82	-147.10	-4,567.73	-826.72	2,008.21	1,907.12	101.09	19.866		
7,900.00	5,586.59	10,016.00	7,130.16	95.23	62.16	-145.06	-4,669.17	-822.09	1,978.90	1,874.80	104.10	19.009		
8,000.00	5,647.94	9,940.23	7,129.14	96.68	60.92	-143.48	-4,744.83	-818.14	1,951.74	1,844.57	107.17	18.212		
8,100.00	5,709.30	9,869.05	7,127.90	98.13	59.76	-141.98	-4,815.92	-814.86	1,926.34	1,816.09	110.25	17.472		
8,200.00	5,770.65	9,825.00	7,127.30	99.59	59.05	-141.04	-4,859.88	-812.16	1,904.15	1,790.90	113.25	16.813		
8,300.00	5,832.01	9,715.04	7,126.05	101.04	57.28	-138.67	-4,969.69	-806.79	1,883.94	1,767.40	116.54	16.166		
8,400.00	5,893.36	9,595.70	7,125.16	102.49	55.38	-136.13	-5,088.99	-804.98	1,864.75	1,745.01	119.74	15.574		
8,500.00	5,954.72	9,560.38	7,125.23	103.95	54.82	-135.38	-5,124.31	-805.07	1,847.53	1,724.94	122.59	15.071		
8,600.00	6,016.07	9,462.10	7,126.23	105.40	53.27	-133.28	-5,222.57	-803.90	1,834.05	1,708.43	125.61	14.601		
8,700.00	6,077.43	9,413.00	7,126.17	106.86	52.51	-132.22	-5,271.67	-803.48	1,822.08	1,693.69	128.39	14.192		
8,800.00	6,138.78	9,342.30	7,126.38	108.31	51.41	-130.68	-5,342.36	-802.32	1,813.33	1,682.16	131.18	13.824		
8,900.00	6,200.13	9,228.81	7,126.43	109.76	49.66	-128.20	-5,455.84	-801.67	1,806.61	1,672.51	134.09	13.473		
9,000.00	6,261.49	9,169.56	7,126.59	111.22	48.76	-126.91	-5,515.09	-802.39	1,801.33	1,664.74	136.59	13.188		
9,100.00	6,322.84	9,109.97	7,126.00	112.67	47.85	-125.59	-5,574.67	-802.04	1,799.34	1,660.36	138.98	12.947		
9,110.32	6,329.18	9,105.05	7,125.96	112.82	47.78	-125.48	-5,579.59	-801.99	1,799.32	1,660.12	139.21	12.926 CC		
9,200.00	6,384.20	9,050.82	7,125.58	114.13	46.96	-124.28	-5,633.81	-801.42	1,800.44	1,659.24	141.20	12.751 ES		
9,300.00	6,445.55	8,963.31	7,125.56	115.58	45.66	-122.36	-5,721.32	-800.19	1,804.72	1,661.25	143.47	12.579		
9,400.00	6,506.91	8,906.00	7,125.60	117.03	44.82	-121.10	-5,778.62	-799.99	1,810.94	1,665.61	145.33	12.461		
9,500.00	6,568.26	8,825.34	7,126.26	118.49	43.64	-119.36	-5,859.28	-799.08	1,820.42	1,673.21	147.20	12.367		
9,600.00	6,629.62	8,791.87	7,126.52	119.94	43.16	-118.64	-5,892.74	-798.68	1,832.61	1,684.15	148.46	12.344		
9,700.00	6,690.97	8,720.37	7,127.28	121.40	42.13	-117.10	-5,964.20	-796.54	1,848.41	1,698.51	149.90	12.331 SF		
9,800.00	6,752.33	8,652.00	7,128.86	122.85	41.16	-115.67	-6,032.53	-795.16	1,866.18	1,715.06	151.12	12.349		
9,900.00	6,813.68	8,543.54	7,131.93	124.31	39.65	-113.44	-6,140.92	-793.16	1,886.23	1,733.61	152.62	12.359		
10,000.00	6,875.04	8,493.00	7,133.22	125.76	38.96	-112.42	-6,191.45	-792.89	1,907.59	1,754.23	153.35	12.439		
10,100.00	6,936.39	8,462.76	7,133.75	127.22	38.56	-111.80	-6,221.67	-792.07	1,932.60	1,778.94	153.65	12.578		
10,200.00	6,997.75	8,366.00	7,134.74	128.67	37.28	-109.84	-6,318.34	-788.10	1,960.55	1,805.89	154.66	12.676		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 152-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,300.00	7,059.10	8,334.00	7,134.91	130.13	36.86	-109.19	-6,350.32	-786.85	1,990.40	1,835.72	154.68	12.868		
10,400.00	7,118.86	8,260.51	7,135.61	131.62	35.93	-114.21	-6,423.71	-783.16	2,029.25	1,874.07	155.18	13.077		
10,500.00	7,173.55	8,175.00	7,136.38	133.17	34.87	-118.58	-6,509.10	-778.78	2,085.17	1,929.29	155.88	13.377		
10,600.00	7,221.49	8,131.43	7,136.86	134.72	34.34	-122.48	-6,552.64	-776.98	2,155.04	1,999.00	156.03	13.812		
10,700.00	7,261.21	8,051.00	7,137.27	136.22	33.39	-123.65	-6,633.02	-774.43	2,236.44	2,079.66	156.78	14.265		
10,800.00	7,291.51	8,036.58	7,137.24	137.61	33.23	-124.76	-6,647.44	-773.99	2,327.06	2,170.36	156.71	14.850		
10,900.00	7,311.47	8,004.07	7,137.25	138.86	32.86	-120.45	-6,679.93	-772.88	2,423.83	2,266.83	156.99	15.439		
11,000.00	7,320.48	7,979.91	7,137.31	139.92	32.59	-30.19	-6,704.07	-772.28	2,523.31	2,366.03	157.28	16.044		
11,100.00	7,321.00	7,980.58	7,137.31	140.82	32.60	22.09	-6,703.40	-772.29	2,623.13	2,465.82	157.31	16.675		
11,200.00	7,321.00	8,002.12	7,137.25	141.74	32.84	28.54	-6,681.88	-772.82	2,722.95	2,565.88	157.07	17.336		
11,300.00	7,321.00	8,005.24	7,137.25	142.69	32.87	29.42	-6,678.75	-772.91	2,822.75	2,665.67	157.08	17.971		
11,400.00	7,321.00	8,031.59	7,137.23	143.67	33.17	36.24	-6,652.41	-773.81	2,922.53	2,765.75	156.78	18.641		
11,500.00	7,321.00	8,033.02	7,137.23	144.68	33.19	36.58	-6,650.99	-773.86	3,022.31	2,865.51	156.81	19.274		
11,600.00	7,321.00	8,034.39	7,137.23	145.73	33.20	36.90	-6,649.62	-773.91	3,122.11	2,965.28	156.83	19.907		
11,700.00	7,321.00	8,035.70	7,137.23	146.80	33.22	37.21	-6,648.31	-773.96	3,221.92	3,065.07	156.86	20.540		
11,800.00	7,321.00	8,036.96	7,137.24	147.91	33.23	37.50	-6,647.05	-774.00	3,321.75	3,164.86	156.88	21.173		
11,900.00	7,321.00	8,038.17	7,137.24	149.05	33.25	37.78	-6,645.85	-774.04	3,421.57	3,264.67	156.91	21.807		
12,000.00	7,321.00	8,039.33	7,137.24	150.22	33.26	38.05	-6,644.68	-774.08	3,521.41	3,364.49	156.93	22.440		
12,100.00	7,321.00	8,040.45	7,137.24	151.42	33.27	38.30	-6,643.56	-774.12	3,621.26	3,464.31	156.95	23.073		
12,200.00	7,321.00	8,051.00	7,137.27	152.66	33.39	40.62	-6,633.02	-774.43	3,721.15	3,564.29	156.86	23.723		
12,300.00	7,321.00	8,051.00	7,137.27	153.93	33.39	40.62	-6,633.02	-774.43	3,821.00	3,664.11	156.89	24.354		
12,400.00	7,321.00	8,051.00	7,137.27	155.22	33.39	40.62	-6,633.02	-774.43	3,920.86	3,763.94	156.92	24.986		
12,500.00	7,321.00	8,051.00	7,137.27	156.55	33.39	40.62	-6,633.02	-774.43	4,020.73	3,863.77	156.96	25.617		
12,600.00	7,321.00	8,051.00	7,137.27	157.91	33.39	40.62	-6,633.02	-774.43	4,120.60	3,963.62	156.99	26.248		
12,700.00	7,321.00	8,051.00	7,137.27	159.31	33.39	40.62	-6,633.02	-774.43	4,220.48	4,063.47	157.01	26.880		
12,800.00	7,321.00	8,051.00	7,137.27	160.73	33.39	40.62	-6,633.02	-774.43	4,320.36	4,163.32	157.04	27.511		
12,900.00	7,321.00	8,051.00	7,137.27	162.18	33.39	40.62	-6,633.02	-774.43	4,420.25	4,263.19	157.07	28.142		
13,000.00	7,321.00	8,051.00	7,137.27	163.67	33.39	40.62	-6,633.02	-774.43	4,520.15	4,363.05	157.10	28.773		
13,100.00	7,321.00	8,051.00	7,137.27	165.18	33.39	40.62	-6,633.02	-774.43	4,620.05	4,462.93	157.12	29.404		
13,200.00	7,321.00	8,051.00	7,137.27	166.73	33.39	40.62	-6,633.02	-774.43	4,719.95	4,562.80	157.15	30.035		
13,300.00	7,321.00	8,051.00	7,137.27	168.30	33.39	40.62	-6,633.02	-774.43	4,819.86	4,662.69	157.17	30.666		
13,400.00	7,321.00	8,051.00	7,137.27	169.90	33.39	40.62	-6,633.02	-774.43	4,919.77	4,762.57	157.20	31.297		
13,500.00	7,321.00	8,055.76	7,137.29	171.53	33.45	41.62	-6,628.26	-774.55	5,019.68	4,862.51	157.17	31.938		
13,600.00	7,321.00	8,057.83	7,137.29	173.19	33.47	42.04	-6,626.19	-774.60	5,119.60	4,962.42	157.18	32.573		
13,700.00	7,321.00	8,144.00	7,136.73	174.88	34.49	55.40	-6,540.08	-777.54	5,219.48	5,063.13	156.35	33.384		
13,800.00	7,321.00	8,144.00	7,136.73	176.59	34.49	55.40	-6,540.08	-777.54	5,319.34	5,162.97	156.38	34.016		
13,900.00	7,321.00	8,144.00	7,136.73	178.33	34.49	55.40	-6,540.08	-777.54	5,419.21	5,262.80	156.41	34.648		
14,000.00	7,321.00	8,154.77	7,136.61	180.09	34.62	56.61	-6,529.31	-778.01	5,519.06	5,362.72	156.34	35.303		
14,100.00	7,321.00	8,156.26	7,136.60	181.88	34.64	56.77	-6,527.82	-778.07	5,618.92	5,462.57	156.35	35.938		
14,200.00	7,321.00	8,157.72	7,136.58	183.70	34.66	56.93	-6,526.37	-778.13	5,718.80	5,562.43	156.37	36.573		
14,300.00	7,321.00	8,239.00	7,135.76	185.54	35.66	63.93	-6,445.19	-781.94	5,818.68	5,663.03	155.65	37.383		
14,400.00	7,321.00	8,252.24	7,135.68	187.40	35.82	64.82	-6,431.97	-782.73	5,918.42	5,762.85	155.57	38.045		
14,500.00	7,321.00	8,253.32	7,135.67	189.29	35.84	64.89	-6,430.90	-782.79	6,018.23	5,862.64	155.59	38.680		
14,600.00	7,321.00	8,254.36	7,135.66	191.20	35.85	64.95	-6,429.85	-782.84	6,118.04	5,962.42	155.62	39.315		
14,700.00	7,321.00	8,255.38	7,135.66	193.13	35.86	65.02	-6,428.84	-782.90	6,217.86	6,062.22	155.64	39.950		
14,800.00	7,321.00	8,256.37	7,135.65	195.08	35.87	65.08	-6,427.85	-782.95	6,317.68	6,162.01	155.67	40.585		
14,900.00	7,321.00	8,257.33	7,135.64	197.05	35.89	65.14	-6,426.88	-783.00	6,417.51	6,261.82	155.69	41.219		
15,000.00	7,321.00	8,271.00	7,135.51	199.04	36.06	65.98	-6,413.23	-783.64	6,517.41	6,361.80	155.61	41.884		
15,100.00	7,321.00	8,271.00	7,135.51	201.06	36.06	65.98	-6,413.23	-783.64	6,617.24	6,461.59	155.64	42.516		
15,200.00	7,321.00	8,271.00	7,135.51	203.09	36.06	65.98	-6,413.23	-783.64	6,717.07	6,561.39	155.67	43.148		
15,300.00	7,321.00	8,271.00	7,135.51	205.14	36.06	65.98	-6,413.23	-783.64	6,816.90	6,661.20	155.71	43.781		
15,400.00	7,321.00	8,271.00	7,135.51	207.21	36.06	65.98	-6,413.23	-783.64	6,916.74	6,761.01	155.74	44.413		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 152-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		
15,500.00	7,321.00	8,275.85	7,135.46	209.29	36.12	66.26	-6,408.39	-783.88	7,016.59	6,860.86	155.73	45.056		
15,600.00	7,321.00	8,280.98	7,135.40	211.39	36.18	66.55	-6,403.27	-784.13	7,116.43	6,960.71	155.72	45.700		
15,700.00	7,321.00	8,286.11	7,135.34	213.51	36.25	66.83	-6,398.14	-784.39	7,216.28	7,060.57	155.71	46.344		
15,800.00	7,321.00	8,315.89	7,135.02	215.65	36.63	68.36	-6,368.40	-785.94	7,316.09	7,160.58	155.51	47.046		
15,900.00	7,321.00	8,317.51	7,135.00	217.80	36.65	68.44	-6,366.79	-786.03	7,415.92	7,260.39	155.53	47.681		
16,000.00	7,321.00	8,319.09	7,134.99	219.96	36.67	68.51	-6,365.21	-786.11	7,515.75	7,360.20	155.55	48.317		
16,100.00	7,321.00	8,320.64	7,134.98	222.14	36.69	68.58	-6,363.66	-786.19	7,615.59	7,460.02	155.57	48.952		
16,200.00	7,321.00	8,322.17	7,134.97	224.34	36.71	68.66	-6,362.14	-786.27	7,715.43	7,559.84	155.59	49.587		
16,300.00	7,321.00	8,334.00	7,134.91	226.55	36.86	69.20	-6,350.32	-786.85	7,815.30	7,659.76	155.54	50.247		
16,400.00	7,321.00	8,334.00	7,134.91	228.77	36.86	69.20	-6,350.32	-786.85	7,915.14	7,759.57	155.57	50.879		
16,500.00	7,321.00	8,334.00	7,134.91	231.00	36.86	69.20	-6,350.32	-786.85	8,014.98	7,859.38	155.60	51.510		
16,600.00	7,321.00	8,334.00	7,134.91	233.25	36.86	69.20	-6,350.32	-786.85	8,114.83	7,959.19	155.63	52.140		
16,700.00	7,321.00	8,334.00	7,134.91	235.51	36.86	69.20	-6,350.32	-786.85	8,214.68	8,059.01	155.67	52.771		
16,800.00	7,321.00	8,334.00	7,134.91	237.78	36.86	69.20	-6,350.32	-786.85	8,314.53	8,158.83	155.70	53.401		
16,900.00	7,321.00	8,334.00	7,134.91	240.06	36.86	69.20	-6,350.32	-786.85	8,414.39	8,258.66	155.73	54.032		
17,000.00	7,321.00	8,334.00	7,134.91	242.35	36.86	69.20	-6,350.32	-786.85	8,514.25	8,358.49	155.76	54.662		
17,100.00	7,321.00	8,334.00	7,134.91	244.66	36.86	69.20	-6,350.32	-786.85	8,614.12	8,458.32	155.79	55.292		
17,200.00	7,321.00	8,334.00	7,134.91	246.97	36.86	69.20	-6,350.32	-786.85	8,713.99	8,558.16	155.83	55.921		
17,300.00	7,321.00	8,334.00	7,134.91	249.29	36.86	69.20	-6,350.32	-786.85	8,813.86	8,658.00	155.86	56.551		
17,400.00	7,321.00	8,334.00	7,134.91	251.63	36.86	69.20	-6,350.32	-786.85	8,913.73	8,757.84	155.89	57.180		
17,500.00	7,321.00	8,334.00	7,134.91	253.97	36.86	69.20	-6,350.32	-786.85	9,013.61	8,857.69	155.92	57.809		
17,600.00	7,321.00	8,334.00	7,134.91	256.32	36.86	69.20	-6,350.32	-786.85	9,113.49	8,957.53	155.95	58.438		
17,700.00	7,321.00	8,334.00	7,134.91	258.68	36.86	69.20	-6,350.32	-786.85	9,213.37	9,057.39	155.98	59.067		
17,800.00	7,321.00	8,334.00	7,134.91	261.05	36.86	69.20	-6,350.32	-786.85	9,313.25	9,157.24	156.01	59.695		
17,900.00	7,321.00	8,334.00	7,134.91	263.43	36.86	69.20	-6,350.32	-786.85	9,413.14	9,257.09	156.04	60.323		
18,000.00	7,321.00	8,334.00	7,134.91	265.81	36.86	69.20	-6,350.32	-786.85	9,513.03	9,356.95	156.08	60.951		
18,100.00	7,321.00	8,334.00	7,134.91	268.21	36.86	69.20	-6,350.32	-786.85	9,612.92	9,456.81	156.11	61.579		
18,200.00	7,321.00	8,334.00	7,134.91	270.61	36.86	69.20	-6,350.32	-786.85	9,712.81	9,556.68	156.14	62.207		
18,300.00	7,321.00	8,334.00	7,134.91	273.02	36.86	69.20	-6,350.32	-786.85	9,812.71	9,656.54	156.17	62.834		
18,400.00	7,321.00	8,334.00	7,134.91	275.43	36.86	69.20	-6,350.32	-786.85	9,912.61	9,756.41	156.20	63.461		
18,500.00	7,321.00	8,334.00	7,134.91	277.86	36.86	69.20	-6,350.32	-786.85	10,012.51	9,856.28	156.23	64.088		
18,600.00	7,321.00	8,334.00	7,134.91	280.28	36.86	69.20	-6,350.32	-786.85	10,112.41	9,956.15	156.26	64.714		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	11.00	11.00	0.00	0.02	-95.15	-210.45	-2,336.14	2,345.60					
100.00	100.00	111.00	111.00	0.27	0.19	-95.15	-210.45	-2,336.14	2,345.60	2,345.14	0.46	5,111.966		
200.00	200.00	211.00	211.00	0.63	0.55	-95.15	-210.45	-2,336.14	2,345.60	2,344.42	1.18	1,994.915		
300.00	299.98	310.98	310.98	0.97	0.91	61.66	-210.45	-2,336.14	2,344.77	2,342.89	1.88	1,248.390		
400.00	399.84	410.84	410.84	1.32	1.26	61.82	-210.45	-2,336.14	2,342.28	2,339.70	2.58	907.120		
500.00	499.45	510.45	510.45	1.68	1.62	62.08	-210.45	-2,336.14	2,338.17	2,334.87	3.30	708.024		
600.00	598.70	609.70	609.70	2.07	1.98	62.44	-210.45	-2,336.14	2,332.47	2,328.43	4.04	577.306		
700.00	697.47	708.47	708.47	2.48	2.33	62.91	-210.45	-2,336.14	2,325.22	2,320.42	4.80	484.518		
800.00	795.62	806.62	806.62	2.93	2.68	63.48	-210.45	-2,336.14	2,316.48	2,310.90	5.58	414.945		
900.00	893.06	904.06	904.06	3.41	3.03	64.15	-210.45	-2,336.14	2,306.35	2,299.95	6.40	360.645		
1,000.00	989.64	1,000.64	1,000.64	3.93	3.38	64.93	-210.45	-2,336.14	2,294.90	2,287.66	7.24	316.967		
1,100.00	1,085.27	1,096.27	1,096.27	4.50	3.72	65.80	-210.45	-2,336.14	2,282.26	2,274.14	8.12	281.011		
1,200.00	1,179.82	1,190.82	1,190.82	5.11	4.06	66.77	-210.45	-2,336.14	2,268.54	2,259.50	9.04	250.871		
1,300.00	1,273.17	1,284.17	1,284.17	5.77	4.40	67.83	-210.45	-2,336.14	2,253.89	2,243.88	10.01	225.246		
1,400.00	1,365.21	1,376.21	1,376.21	6.48	4.73	68.99	-210.45	-2,336.14	2,238.45	2,227.44	11.02	203.213		
1,500.00	1,455.84	1,466.84	1,466.84	7.23	5.05	70.23	-210.45	-2,336.14	2,222.41	2,210.34	12.07	184.098		
1,600.00	1,544.94	1,555.94	1,555.94	8.04	5.37	71.54	-210.45	-2,336.14	2,205.96	2,192.78	13.18	167.396		
1,700.00	1,632.39	1,643.39	1,643.39	8.90	5.68	72.93	-210.45	-2,336.14	2,189.29	2,174.95	14.34	152.720		
1,800.00	1,718.11	1,729.11	1,729.11	9.81	5.99	74.39	-210.45	-2,336.14	2,172.62	2,157.07	15.54	139.766		
1,900.00	1,801.97	1,812.97	1,812.97	10.77	6.29	75.89	-210.45	-2,336.14	2,156.19	2,139.39	16.81	128.294		
2,000.00	1,883.88	1,894.88	1,894.88	11.78	6.58	77.44	-210.45	-2,336.14	2,140.26	2,122.14	18.12	118.109		
2,100.00	1,963.74	1,974.74	1,974.74	12.84	6.87	79.02	-210.45	-2,336.14	2,125.07	2,105.59	19.49	109.050		
2,200.00	2,041.45	2,052.45	2,052.45	13.95	7.15	80.62	-210.45	-2,336.14	2,110.91	2,090.01	20.90	100.987		
2,300.00	2,116.92	2,127.92	2,127.92	15.10	7.42	82.22	-210.45	-2,336.14	2,098.06	2,075.69	22.37	93.807		
2,400.00	2,190.05	2,201.05	2,201.05	16.31	7.68	83.81	-210.45	-2,336.14	2,086.80	2,062.93	23.87	87.417		
2,500.00	2,260.76	2,271.76	2,271.76	17.56	7.94	85.37	-210.45	-2,336.14	2,077.43	2,052.01	25.42	81.736		
2,600.00	2,328.95	2,339.95	2,339.95	18.85	8.18	86.89	-210.45	-2,336.14	2,070.24	2,043.24	26.99	76.695		
2,700.00	2,394.55	2,405.55	2,405.55	20.19	8.42	88.36	-210.45	-2,336.14	2,065.50	2,036.91	28.59	72.233		
2,800.00	2,457.48	2,468.48	2,468.48	21.57	8.64	89.76	-210.45	-2,336.14	2,063.50	2,033.29	30.22	68.294		
2,818.13	2,468.64	2,479.64	2,479.64	21.83	8.68	90.00	-210.45	-2,336.14	2,063.45	2,032.94	30.51	67.633 CC		
2,900.00	2,518.85	2,529.85	2,529.85	22.98	8.86	91.10	-210.45	-2,336.14	2,064.46	2,032.64	31.83	64.860 ES		
3,000.00	2,580.20	2,591.20	2,591.20	24.39	9.08	92.45	-210.45	-2,336.14	2,068.44	2,035.02	33.42	61.888		
3,100.00	2,641.56	2,652.56	2,652.56	25.81	9.30	93.79	-210.45	-2,336.14	2,075.42	2,040.44	34.99	59.323		
3,200.00	2,702.91	2,713.91	2,713.91	27.23	9.52	95.12	-210.45	-2,336.14	2,085.37	2,048.86	36.51	57.113		
3,300.00	2,764.27	2,775.27	2,775.27	28.65	9.74	96.46	-210.45	-2,336.14	2,098.25	2,060.25	38.00	55.216		
3,400.00	2,825.62	2,836.62	2,836.62	30.08	9.96	97.78	-210.45	-2,336.14	2,113.99	2,074.55	39.44	53.595		
3,500.00	2,886.98	2,897.98	2,897.98	31.51	10.18	99.10	-210.45	-2,336.14	2,132.55	2,091.71	40.84	52.217		
3,600.00	2,948.33	2,959.33	2,959.33	32.95	10.40	100.40	-210.45	-2,336.14	2,153.85	2,111.66	42.19	51.055		
3,700.00	3,009.68	3,020.68	3,020.68	34.38	10.62	101.70	-210.45	-2,336.14	2,177.80	2,134.31	43.48	50.085		
3,800.00	3,071.04	3,082.04	3,082.04	35.82	10.84	102.98	-210.45	-2,336.14	2,204.32	2,159.59	44.73	49.285		
3,900.00	3,132.39	3,143.39	3,143.39	37.25	11.06	104.25	-210.45	-2,336.14	2,233.32	2,187.40	45.92	48.637		
4,000.00	3,193.75	3,204.75	3,204.75	38.69	11.28	105.51	-210.45	-2,336.14	2,264.70	2,217.64	47.06	48.124		
4,100.00	3,255.10	3,266.10	3,266.10	40.13	11.50	106.75	-210.45	-2,336.14	2,298.37	2,250.22	48.15	47.733		
4,200.00	3,316.46	3,327.46	3,327.46	41.58	11.72	107.98	-210.45	-2,336.14	2,334.22	2,285.03	49.19	47.451		
4,300.00	3,377.81	3,388.81	3,388.81	43.02	11.94	109.19	-210.45	-2,336.14	2,372.17	2,321.98	50.19	47.267		
4,400.00	3,439.17	3,450.17	3,450.17	44.46	12.16	110.38	-210.45	-2,336.14	2,412.10	2,360.96	51.14	47.169		
4,500.00	3,500.52	3,511.52	3,511.52	45.91	12.38	111.55	-210.45	-2,336.14	2,453.92	2,401.88	52.04	47.150 SF		
4,600.00	3,561.88	3,572.88	3,572.88	47.35	12.60	112.70	-210.45	-2,336.14	2,497.54	2,444.63	52.91	47.202		
4,700.00	3,623.23	3,634.23	3,634.23	48.80	12.82	113.84	-210.45	-2,336.14	2,542.87	2,489.13	53.74	47.316		
4,800.00	3,684.59	3,695.59	3,695.59	50.24	13.04	114.95	-210.45	-2,336.14	2,589.81	2,535.27	54.54	47.488		
4,900.00	3,745.94	3,756.94	3,756.94	51.69	13.26	116.05	-210.45	-2,336.14	2,638.28	2,582.98	55.30	47.710		
5,000.00	3,807.30	3,818.30	3,818.30	53.14	13.48	117.13	-210.45	-2,336.14	2,688.19	2,632.17	56.03	47.978		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	3,868.65	3,879.65	3,879.65	54.58	13.70	118.18	-210.45	-2,336.14	2,739.48	2,682.74	56.73	48.287		
5,200.00	3,930.01	3,941.01	3,941.01	56.03	13.92	119.22	-210.45	-2,336.14	2,792.05	2,734.64	57.41	48.633		
5,300.00	3,991.36	4,002.36	4,002.36	57.48	14.14	120.23	-210.45	-2,336.14	2,845.85	2,787.78	58.07	49.011		
5,400.00	4,052.72	4,063.72	4,063.72	58.93	14.36	121.23	-210.45	-2,336.14	2,900.79	2,842.09	58.70	49.418		
5,500.00	4,114.07	4,125.07	4,125.07	60.38	14.58	122.20	-210.45	-2,336.14	2,956.83	2,897.51	59.31	49.852		
5,600.00	4,175.43	4,186.43	4,186.43	61.83	14.80	123.15	-210.45	-2,336.14	3,013.89	2,953.98	59.91	50.308		
5,700.00	4,236.78	4,247.78	4,247.78	63.28	15.02	124.08	-210.45	-2,336.14	3,071.92	3,011.43	60.49	50.786		
5,800.00	4,298.14	4,309.14	4,309.14	64.73	15.24	125.00	-210.45	-2,336.14	3,130.87	3,069.81	61.05	51.281		
5,900.00	4,359.49	4,370.49	4,370.49	66.18	15.46	125.89	-210.45	-2,336.14	3,190.68	3,129.07	61.61	51.791		
6,000.00	4,420.85	4,431.85	4,431.85	67.63	15.68	126.76	-210.45	-2,336.14	3,251.31	3,189.16	62.15	52.316		
6,100.00	4,482.20	4,493.20	4,493.20	69.08	15.90	127.62	-210.45	-2,336.14	3,312.72	3,250.04	62.68	52.853		
6,200.00	4,543.55	4,554.55	4,554.55	70.53	16.12	128.45	-210.45	-2,336.14	3,374.85	3,311.65	63.20	53.400		
6,300.00	4,604.91	4,615.91	4,615.91	71.98	16.34	129.27	-210.45	-2,336.14	3,437.68	3,373.96	63.71	53.955		
6,400.00	4,666.26	4,677.26	4,677.26	73.44	16.56	130.06	-210.45	-2,336.14	3,501.15	3,436.93	64.22	54.518		
6,500.00	4,727.62	4,738.62	4,738.62	74.89	16.78	130.84	-210.45	-2,336.14	3,565.25	3,500.53	64.72	55.088		
6,600.00	4,788.97	4,799.97	4,799.97	76.34	17.00	131.60	-210.45	-2,336.14	3,629.94	3,564.72	65.21	55.662		
6,700.00	4,850.33	4,861.33	4,861.33	77.79	17.22	132.35	-210.45	-2,336.14	3,695.17	3,629.47	65.70	56.240		
6,800.00	4,911.68	4,922.68	4,922.68	79.24	17.44	133.07	-210.45	-2,336.14	3,760.94	3,694.75	66.19	56.820		
6,900.00	4,973.04	4,984.04	4,984.04	80.70	17.66	133.78	-210.45	-2,336.14	3,827.20	3,760.53	66.67	57.403		
7,000.00	5,034.39	5,045.39	5,045.39	82.15	17.88	134.48	-210.45	-2,336.14	3,893.94	3,826.79	67.15	57.987		
7,100.00	5,095.75	5,106.75	5,106.75	83.60	18.10	135.15	-210.45	-2,336.14	3,961.13	3,893.50	67.63	58.572		
7,200.00	5,157.10	5,168.10	5,168.10	85.05	18.32	135.81	-210.45	-2,336.14	4,028.75	3,960.64	68.10	59.156		
7,300.00	5,218.46	5,229.46	5,229.46	86.51	18.54	136.46	-210.45	-2,336.14	4,096.77	4,028.19	68.58	59.739		
7,400.00	5,279.81	5,290.81	5,290.81	87.96	18.76	137.09	-210.45	-2,336.14	4,165.17	4,096.12	69.05	60.321		
7,500.00	5,341.17	5,352.17	5,352.17	89.41	18.98	137.71	-210.45	-2,336.14	4,233.95	4,164.43	69.52	60.901		
7,600.00	5,402.52	5,413.52	5,413.52	90.87	19.20	138.31	-210.45	-2,336.14	4,303.08	4,233.08	69.99	61.478		
7,700.00	5,463.88	5,474.88	5,474.88	92.32	19.42	138.90	-210.45	-2,336.14	4,372.53	4,302.07	70.46	62.053		
7,800.00	5,525.23	5,536.23	5,536.23	93.77	19.64	139.47	-210.45	-2,336.14	4,442.31	4,371.37	70.94	62.624		
7,900.00	5,586.59	5,597.59	5,597.59	95.23	19.86	140.03	-210.45	-2,336.14	4,512.39	4,440.98	71.41	63.192		
8,000.00	5,647.94	5,658.94	5,658.94	96.68	20.08	140.58	-210.45	-2,336.14	4,582.76	4,510.88	71.88	63.756		
8,100.00	5,709.30	5,720.30	5,720.30	98.13	20.30	141.12	-210.45	-2,336.14	4,653.40	4,581.05	72.35	64.315		
8,200.00	5,770.65	5,781.65	5,781.65	99.59	20.52	141.64	-210.45	-2,336.14	4,724.31	4,651.48	72.83	64.871		
8,300.00	5,832.01	5,843.01	5,843.01	101.04	20.74	142.16	-210.45	-2,336.14	4,795.47	4,722.17	73.30	65.421		
8,400.00	5,893.36	5,904.36	5,904.36	102.49	20.96	142.66	-210.45	-2,336.14	4,866.87	4,793.09	73.78	65.967		
8,500.00	5,954.72	5,965.72	5,965.72	103.95	21.18	143.15	-210.45	-2,336.14	4,938.50	4,864.24	74.25	66.508		
8,600.00	6,016.07	6,027.07	6,027.07	105.40	21.40	143.62	-210.45	-2,336.14	5,010.35	4,935.62	74.73	67.043		
8,700.00	6,077.43	6,088.43	6,088.43	106.86	21.62	144.09	-210.45	-2,336.14	5,082.41	5,007.20	75.21	67.574		
8,800.00	6,138.78	6,149.78	6,149.78	108.31	21.84	144.55	-210.45	-2,336.14	5,154.68	5,078.98	75.69	68.098		
8,900.00	6,200.13	6,211.13	6,211.13	109.76	22.06	145.00	-210.45	-2,336.14	5,227.13	5,150.96	76.18	68.617		
9,000.00	6,261.49	6,272.49	6,272.49	111.22	22.28	145.44	-210.45	-2,336.14	5,299.78	5,223.12	76.66	69.131		
9,100.00	6,322.84	6,333.84	6,333.84	112.67	22.50	145.86	-210.45	-2,336.14	5,372.60	5,295.45	77.15	69.639		
9,200.00	6,384.20	6,395.20	6,395.20	114.13	22.72	146.28	-210.45	-2,336.14	5,445.60	5,367.96	77.64	70.140		
9,300.00	6,445.55	6,456.55	6,456.55	115.58	22.94	146.69	-210.45	-2,336.14	5,518.75	5,440.62	78.13	70.636		
9,400.00	6,506.91	6,517.91	6,517.91	117.03	23.16	147.09	-210.45	-2,336.14	5,592.07	5,513.45	78.62	71.126		
9,500.00	6,568.26	6,579.26	6,579.26	118.49	23.38	147.49	-210.45	-2,336.14	5,665.54	5,586.42	79.12	71.611		
9,600.00	6,629.62	6,640.62	6,640.62	119.94	23.60	147.87	-210.45	-2,336.14	5,739.15	5,659.54	79.61	72.089		
9,700.00	6,690.97	6,701.97	6,701.97	121.40	23.82	148.25	-210.45	-2,336.14	5,812.91	5,732.80	80.11	72.561		
9,800.00	6,752.33	6,763.33	6,763.33	122.85	24.04	148.62	-210.45	-2,336.14	5,886.80	5,806.19	80.61	73.027		
9,900.00	6,813.68	6,824.68	6,824.68	124.31	24.26	148.98	-210.45	-2,336.14	5,960.82	5,879.70	81.11	73.487		
10,000.00	6,875.04	6,886.04	6,886.04	125.76	24.48	149.33	-210.45	-2,336.14	6,034.96	5,953.34	81.62	73.941		
10,100.00	6,936.39	6,947.39	6,947.39	127.22	24.70	149.68	-210.45	-2,336.14	6,109.23	6,027.10	82.13	74.389		
10,200.00	6,997.75	7,008.75	7,008.75	128.67	24.92	150.02	-210.45	-2,336.14	6,183.61	6,100.98	82.63	74.831		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
10,300.00	7,059.10	7,070.10	7,070.10	130.13	25.14	150.35	-210.45	-2,336.14	6,258.11	6,174.96	83.14	75.268		
10,400.00	7,118.86	7,129.86	7,129.86	131.62	25.35	135.51	-210.45	-2,336.14	6,331.29	6,247.65	83.65	75.690		
10,500.00	7,173.55	7,184.55	7,184.55	133.17	25.55	121.62	-210.45	-2,336.14	6,399.89	6,315.76	84.13	76.075		
10,600.00	7,221.49	7,232.49	7,232.49	134.72	25.72	110.73	-210.45	-2,336.14	6,462.10	6,377.54	84.57	76.412		
10,700.00	7,261.21	7,272.21	7,272.21	136.22	25.86	102.51	-210.45	-2,336.14	6,516.43	6,431.46	84.97	76.690		
10,800.00	7,291.51	7,302.51	7,302.51	137.61	25.97	96.58	-210.45	-2,336.14	6,561.59	6,476.25	85.33	76.895		
10,900.00	7,311.47	7,322.47	7,322.47	138.86	26.04	92.61	-210.45	-2,336.14	6,596.53	6,510.88	85.65	77.013		
11,000.00	7,320.48	7,331.48	7,331.48	139.92	26.07	90.36	-210.45	-2,336.14	6,620.48	6,534.54	85.94	77.034		
11,100.00	7,321.00	7,332.00	7,332.00	140.82	26.08	90.00	-210.45	-2,336.14	6,636.07	6,549.85	86.22	76.969		
11,200.00	7,321.00	7,332.00	7,332.00	141.74	26.08	90.00	-210.45	-2,336.14	6,652.52	6,565.99	86.53	76.878		
11,300.00	7,321.00	7,332.00	7,332.00	142.69	26.08	90.00	-210.45	-2,336.14	6,670.43	6,583.54	86.89	76.766		
11,400.00	7,321.00	7,332.00	7,332.00	143.67	26.08	90.00	-210.45	-2,336.14	6,689.79	6,602.50	87.29	76.638		
11,500.00	7,321.00	7,332.00	7,332.00	144.68	26.08	90.00	-210.45	-2,336.14	6,710.59	6,622.86	87.73	76.493		
11,600.00	7,321.00	7,332.00	7,332.00	145.73	26.08	90.00	-210.45	-2,336.14	6,732.80	6,644.60	88.20	76.335		
11,700.00	7,321.00	7,332.00	7,332.00	146.80	26.08	90.00	-210.45	-2,336.14	6,756.42	6,667.72	88.71	76.166		
11,800.00	7,321.00	7,332.00	7,332.00	147.91	26.08	90.00	-210.45	-2,336.14	6,781.44	6,692.19	89.24	75.987		
11,900.00	7,321.00	7,332.00	7,332.00	149.05	26.08	90.00	-210.45	-2,336.14	6,807.83	6,718.02	89.81	75.801		
12,000.00	7,321.00	7,332.00	7,332.00	150.22	26.08	90.00	-210.45	-2,336.14	6,835.58	6,745.18	90.41	75.610		
12,100.00	7,321.00	7,332.00	7,332.00	151.42	26.08	90.00	-210.45	-2,336.14	6,864.68	6,773.66	91.02	75.416		
12,200.00	7,321.00	7,332.00	7,332.00	152.66	26.08	90.00	-210.45	-2,336.14	6,895.11	6,803.44	91.67	75.220		
12,300.00	7,321.00	7,332.00	7,332.00	153.93	26.08	90.00	-210.45	-2,336.14	6,926.84	6,834.51	92.33	75.024		
12,400.00	7,321.00	7,332.00	7,332.00	155.22	26.08	90.00	-210.45	-2,336.14	6,959.87	6,866.86	93.01	74.830		
12,500.00	7,321.00	7,332.00	7,332.00	156.55	26.08	90.00	-210.45	-2,336.14	6,994.17	6,900.47	93.71	74.640		
12,600.00	7,321.00	7,332.00	7,332.00	157.91	26.08	90.00	-210.45	-2,336.14	7,029.73	6,935.31	94.42	74.454		
12,700.00	7,321.00	7,332.00	7,332.00	159.31	26.08	90.00	-210.45	-2,336.14	7,066.52	6,971.38	95.14	74.275		
12,800.00	7,321.00	7,332.00	7,332.00	160.73	26.08	90.00	-210.45	-2,336.14	7,104.53	7,008.66	95.87	74.102		
12,900.00	7,321.00	7,332.00	7,332.00	162.18	26.08	90.00	-210.45	-2,336.14	7,143.74	7,047.12	96.62	73.938		
13,000.00	7,321.00	7,332.00	7,332.00	163.67	26.08	90.00	-210.45	-2,336.14	7,184.13	7,086.76	97.37	73.783		
13,100.00	7,321.00	7,332.00	7,332.00	165.18	26.08	90.00	-210.45	-2,336.14	7,225.67	7,127.54	98.13	73.637		
13,200.00	7,321.00	7,332.00	7,332.00	166.73	26.08	90.00	-210.45	-2,336.14	7,268.35	7,169.47	98.89	73.502		
13,300.00	7,321.00	7,332.00	7,332.00	168.30	26.08	90.00	-210.45	-2,336.14	7,312.15	7,212.50	99.65	73.379		
13,400.00	7,321.00	7,332.00	7,332.00	169.90	26.08	90.00	-210.45	-2,336.14	7,357.05	7,256.64	100.42	73.266		
13,500.00	7,321.00	7,332.00	7,332.00	171.53	26.08	90.00	-210.45	-2,336.14	7,403.03	7,301.85	101.18	73.166		
13,600.00	7,321.00	7,332.00	7,332.00	173.19	26.08	90.00	-210.45	-2,336.14	7,450.07	7,348.12	101.95	73.078		
13,700.00	7,321.00	7,332.00	7,332.00	174.88	26.08	90.00	-210.45	-2,336.14	7,498.14	7,395.43	102.71	73.003		
13,800.00	7,321.00	7,332.00	7,332.00	176.59	26.08	90.00	-210.45	-2,336.14	7,547.24	7,443.77	103.47	72.940		
13,900.00	7,321.00	7,332.00	7,332.00	178.33	26.08	90.00	-210.45	-2,336.14	7,597.33	7,493.10	104.23	72.890		
14,000.00	7,321.00	7,332.00	7,332.00	180.09	26.08	90.00	-210.45	-2,336.14	7,648.41	7,543.42	104.98	72.853		
14,100.00	7,321.00	7,332.00	7,332.00	181.88	26.08	90.00	-210.45	-2,336.14	7,700.44	7,594.71	105.73	72.830		
14,200.00	7,321.00	7,332.00	7,332.00	183.70	26.08	90.00	-210.45	-2,336.14	7,753.41	7,646.94	106.48	72.819		
14,300.00	7,321.00	7,332.00	7,332.00	185.54	26.08	90.00	-210.45	-2,336.14	7,807.31	7,700.09	107.21	72.821		
14,400.00	7,321.00	7,332.00	7,332.00	187.40	26.08	90.00	-210.45	-2,336.14	7,862.10	7,754.16	107.94	72.836		
14,500.00	7,321.00	7,332.00	7,332.00	189.29	26.08	90.00	-210.45	-2,336.14	7,917.79	7,809.12	108.67	72.863		
14,600.00	7,321.00	7,332.00	7,332.00	191.20	26.08	90.00	-210.45	-2,336.14	7,974.33	7,864.95	109.38	72.904		
14,700.00	7,321.00	7,332.00	7,332.00	193.13	26.08	90.00	-210.45	-2,336.14	8,031.73	7,921.64	110.09	72.956		
14,800.00	7,321.00	7,332.00	7,332.00	195.08	26.08	90.00	-210.45	-2,336.14	8,089.95	7,979.16	110.79	73.021		
14,900.00	7,321.00	7,332.00	7,332.00	197.05	26.08	90.00	-210.45	-2,336.14	8,148.98	8,037.50	111.48	73.098		
15,000.00	7,321.00	7,332.00	7,332.00	199.04	26.08	90.00	-210.45	-2,336.14	8,208.81	8,096.65	112.16	73.187		
15,100.00	7,321.00	7,332.00	7,332.00	201.06	26.08	90.00	-210.45	-2,336.14	8,269.41	8,156.58	112.83	73.288		
15,200.00	7,321.00	7,332.00	7,332.00	203.09	26.08	90.00	-210.45	-2,336.14	8,330.78	8,217.28	113.50	73.400		
15,300.00	7,321.00	7,332.00	7,332.00	205.14	26.08	90.00	-210.45	-2,336.14	8,392.88	8,278.73	114.15	73.523		
15,400.00	7,321.00	7,332.00	7,332.00	207.21	26.08	90.00	-210.45	-2,336.14	8,455.72	8,340.92	114.80	73.658		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 36-T7N-R67W - ABND VERT LIND 36-32 - 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	
15,500.00	7,321.00	7,332.00	7,332.00	209.29	26.08	90.00	-210.45	-2,336.14	8,519.26	8,403.83	115.43	73.803	
15,600.00	7,321.00	7,332.00	7,332.00	211.39	26.08	90.00	-210.45	-2,336.14	8,583.50	8,467.44	116.06	73.958	
15,700.00	7,321.00	7,332.00	7,332.00	213.51	26.08	90.00	-210.45	-2,336.14	8,648.41	8,531.74	116.67	74.124	
15,800.00	7,321.00	7,332.00	7,332.00	215.65	26.08	90.00	-210.45	-2,336.14	8,714.00	8,596.72	117.28	74.300	
15,900.00	7,321.00	7,332.00	7,332.00	217.80	26.08	90.00	-210.45	-2,336.14	8,780.23	8,662.35	117.88	74.486	
16,000.00	7,321.00	7,332.00	7,332.00	219.96	26.08	90.00	-210.45	-2,336.14	8,847.09	8,728.63	118.46	74.682	
16,100.00	7,321.00	7,332.00	7,332.00	222.14	26.08	90.00	-210.45	-2,336.14	8,914.58	8,795.53	119.04	74.886	
16,200.00	7,321.00	7,332.00	7,332.00	224.34	26.08	90.00	-210.45	-2,336.14	8,982.67	8,863.06	119.61	75.100	
16,300.00	7,321.00	7,332.00	7,332.00	226.55	26.08	90.00	-210.45	-2,336.14	9,051.35	8,931.18	120.17	75.323	
16,400.00	7,321.00	7,332.00	7,332.00	228.77	26.08	90.00	-210.45	-2,336.14	9,120.61	8,999.90	120.72	75.555	
16,500.00	7,321.00	7,332.00	7,332.00	231.00	26.08	90.00	-210.45	-2,336.14	9,190.44	9,069.19	121.25	75.795	
16,600.00	7,321.00	7,332.00	7,332.00	233.25	26.08	90.00	-210.45	-2,336.14	9,260.83	9,139.04	121.78	76.043	
16,700.00	7,321.00	7,332.00	7,332.00	235.51	26.08	90.00	-210.45	-2,336.14	9,331.75	9,209.44	122.30	76.299	
16,800.00	7,321.00	7,332.00	7,332.00	237.78	26.08	90.00	-210.45	-2,336.14	9,403.20	9,280.38	122.82	76.563	
16,900.00	7,321.00	7,332.00	7,332.00	240.06	26.08	90.00	-210.45	-2,336.14	9,475.17	9,351.85	123.32	76.835	
17,000.00	7,321.00	7,332.00	7,332.00	242.35	26.08	90.00	-210.45	-2,336.14	9,547.64	9,423.83	123.81	77.114	
17,100.00	7,321.00	7,332.00	7,332.00	244.66	26.08	90.00	-210.45	-2,336.14	9,620.61	9,496.31	124.30	77.400	
17,200.00	7,321.00	7,332.00	7,332.00	246.97	26.08	90.00	-210.45	-2,336.14	9,694.06	9,569.28	124.77	77.693	
17,300.00	7,321.00	7,332.00	7,332.00	249.29	26.08	90.00	-210.45	-2,336.14	9,767.98	9,642.74	125.24	77.993	
17,400.00	7,321.00	7,332.00	7,332.00	251.63	26.08	90.00	-210.45	-2,336.14	9,842.36	9,716.66	125.70	78.300	
17,500.00	7,321.00	7,332.00	7,332.00	253.97	26.08	90.00	-210.45	-2,336.14	9,917.19	9,791.04	126.15	78.613	
17,600.00	7,321.00	7,332.00	7,332.00	256.32	26.08	90.00	-210.45	-2,336.14	9,992.46	9,865.87	126.60	78.932	
17,700.00	7,321.00	7,332.00	7,332.00	258.68	26.08	90.00	-210.45	-2,336.14	10,068.17	9,941.14	127.03	79.258	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	85.00	85.00	0.27	0.13	-128.61	-1,878.98	-2,352.97	3,011.15	3,010.76	0.40	7,588.049		
200.00	200.00	185.00	185.00	0.63	0.46	-128.61	-1,878.98	-2,352.97	3,011.15	3,010.07	1.08	2,781.449		
300.00	299.98	284.98	284.98	0.97	0.81	28.18	-1,878.98	-2,352.97	3,009.62	3,007.83	1.79	1,685.260		
400.00	399.84	384.84	384.84	1.32	1.17	28.27	-1,878.98	-2,352.97	3,005.00	3,002.51	2.49	1,206.441		
500.00	499.45	484.45	484.45	1.68	1.53	28.42	-1,878.98	-2,352.97	2,997.33	2,994.12	3.21	934.783		
600.00	598.70	583.70	583.70	2.07	1.88	28.63	-1,878.98	-2,352.97	2,986.60	2,982.67	3.93	759.912		
700.00	697.47	682.47	682.47	2.48	2.24	28.91	-1,878.98	-2,352.97	2,972.85	2,968.19	4.66	637.675		
800.00	795.62	780.62	780.62	2.93	2.59	29.26	-1,878.98	-2,352.97	2,956.10	2,950.70	5.40	547.147		
900.00	893.06	878.06	878.06	3.41	2.94	29.67	-1,878.98	-2,352.97	2,936.39	2,930.24	6.15	477.178		
1,000.00	989.64	974.64	974.64	3.93	3.29	30.15	-1,878.98	-2,352.97	2,913.77	2,906.85	6.92	421.298		
1,100.00	1,085.27	1,070.27	1,070.27	4.50	3.63	30.71	-1,878.98	-2,352.97	2,888.28	2,880.59	7.69	375.500		
1,200.00	1,179.82	1,164.82	1,164.82	5.11	3.97	31.34	-1,878.98	-2,352.97	2,859.98	2,851.50	8.48	337.173		
1,300.00	1,273.17	1,258.17	1,258.17	5.77	4.30	32.05	-1,878.98	-2,352.97	2,828.93	2,819.64	9.29	304.542		
1,400.00	1,365.21	1,350.21	1,350.21	6.48	4.63	32.86	-1,878.98	-2,352.97	2,795.21	2,785.10	10.11	276.362		
1,500.00	1,455.84	1,440.84	1,440.84	7.23	4.96	33.75	-1,878.98	-2,352.97	2,758.90	2,747.94	10.96	251.731		
1,600.00	1,544.94	1,529.94	1,529.94	8.04	5.28	34.74	-1,878.98	-2,352.97	2,720.08	2,708.25	11.83	229.982		
1,700.00	1,632.39	1,617.39	1,617.39	8.90	5.59	35.83	-1,878.98	-2,352.97	2,678.86	2,666.14	12.72	210.608		
1,800.00	1,718.11	1,703.11	1,703.11	9.81	5.90	37.04	-1,878.98	-2,352.97	2,635.33	2,621.69	13.64	193.221		
1,900.00	1,801.97	1,786.97	1,786.97	10.77	6.20	38.35	-1,878.98	-2,352.97	2,589.63	2,575.04	14.59	177.515		
2,000.00	1,883.88	1,868.88	1,868.88	11.78	6.49	39.79	-1,878.98	-2,352.97	2,541.86	2,526.29	15.57	163.249		
2,100.00	1,963.74	1,948.74	1,948.74	12.84	6.78	41.36	-1,878.98	-2,352.97	2,492.18	2,475.59	16.59	150.229		
2,200.00	2,041.45	2,026.45	2,026.45	13.95	7.06	43.05	-1,878.98	-2,352.97	2,440.74	2,423.09	17.65	138.298		
2,300.00	2,116.92	2,101.92	2,101.92	15.10	7.33	44.88	-1,878.98	-2,352.97	2,387.70	2,368.94	18.75	127.327		
2,400.00	2,190.05	2,175.05	2,175.05	16.31	7.59	46.85	-1,878.98	-2,352.97	2,333.23	2,313.33	19.91	117.211		
2,500.00	2,260.76	2,245.76	2,245.76	17.56	7.84	48.95	-1,878.98	-2,352.97	2,277.54	2,256.43	21.12	107.863		
2,600.00	2,328.95	2,313.95	2,313.95	18.85	8.09	51.19	-1,878.98	-2,352.97	2,220.85	2,198.46	22.39	99.211		
2,700.00	2,394.55	2,379.55	2,379.55	20.19	8.32	53.56	-1,878.98	-2,352.97	2,163.37	2,139.65	23.72	91.196		
2,800.00	2,457.48	2,442.48	2,442.48	21.57	8.55	56.04	-1,878.98	-2,352.97	2,105.38	2,080.24	25.13	83.766		
2,900.00	2,518.85	2,503.85	2,503.85	22.98	8.77	57.50	-1,878.98	-2,352.97	2,047.79	2,021.17	26.62	76.933		
3,000.00	2,580.20	2,565.20	2,565.20	24.39	8.99	58.91	-1,878.98	-2,352.97	1,991.66	1,963.49	28.17	70.699		
3,100.00	2,641.56	2,626.56	2,626.56	25.81	9.21	60.36	-1,878.98	-2,352.97	1,937.13	1,907.33	29.80	65.014		
3,200.00	2,702.91	2,687.91	2,687.91	27.23	9.43	61.86	-1,878.98	-2,352.97	1,884.32	1,852.83	31.49	59.837		
3,300.00	2,764.27	2,749.27	2,749.27	28.65	9.65	63.40	-1,878.98	-2,352.97	1,833.40	1,800.15	33.26	55.128		
3,400.00	2,825.62	2,810.62	2,810.62	30.08	9.87	64.99	-1,878.98	-2,352.97	1,784.52	1,749.43	35.09	50.851		
3,500.00	2,886.98	2,871.98	2,871.98	31.51	10.09	66.61	-1,878.98	-2,352.97	1,737.86	1,700.86	37.00	46.974		
3,600.00	2,948.33	2,933.33	2,933.33	32.95	10.31	68.28	-1,878.98	-2,352.97	1,693.59	1,654.63	38.96	43.468		
3,700.00	3,009.68	2,994.68	2,994.68	34.38	10.53	69.98	-1,878.98	-2,352.97	1,651.92	1,610.93	40.98	40.306		
3,800.00	3,071.04	3,056.04	3,056.04	35.82	10.75	71.73	-1,878.98	-2,352.97	1,613.04	1,569.98	43.06	37.464		
3,900.00	3,132.39	3,117.39	3,117.39	37.25	10.97	73.51	-1,878.98	-2,352.97	1,577.15	1,531.98	45.17	34.919		
4,000.00	3,193.75	3,178.75	3,178.75	38.69	11.19	75.32	-1,878.98	-2,352.97	1,544.47	1,497.17	47.30	32.651		
4,100.00	3,255.10	3,240.10	3,240.10	40.13	11.41	77.16	-1,878.98	-2,352.97	1,515.20	1,465.76	49.45	30.642		
4,200.00	3,316.46	3,301.46	3,301.46	41.58	11.63	79.04	-1,878.98	-2,352.97	1,489.56	1,437.97	51.59	28.873		
4,300.00	3,377.81	3,362.81	3,362.81	43.02	11.85	80.93	-1,878.98	-2,352.97	1,467.71	1,414.01	53.70	27.329		
4,400.00	3,439.17	3,424.17	3,424.17	44.46	12.07	82.85	-1,878.98	-2,352.97	1,449.84	1,394.07	55.77	25.995		
4,500.00	3,500.52	3,485.52	3,485.52	45.91	12.29	84.78	-1,878.98	-2,352.97	1,436.10	1,378.33	57.77	24.857		
4,600.00	3,561.88	3,546.88	3,546.88	47.35	12.51	86.72	-1,878.98	-2,352.97	1,426.61	1,366.92	59.69	23.901		
4,700.00	3,623.23	3,608.23	3,608.23	48.80	12.73	88.67	-1,878.98	-2,352.97	1,421.44	1,359.94	61.50	23.114		
4,767.99	3,664.95	3,649.95	3,649.95	49.78	12.88	90.00	-1,878.98	-2,352.97	1,420.43	1,357.77	62.66	22.670 CC		
4,800.00	3,684.59	3,669.59	3,669.59	50.24	12.95	90.63	-1,878.98	-2,352.97	1,420.65	1,357.47	63.18	22.486 ES		
4,900.00	3,745.94	3,730.94	3,730.94	51.69	13.17	92.58	-1,878.98	-2,352.97	1,424.25	1,359.52	64.73	22.003		
5,000.00	3,807.30	3,792.30	3,792.30	53.14	13.39	94.52	-1,878.98	-2,352.97	1,432.19	1,366.06	66.13	21.657		
5,100.00	3,868.65	3,853.65	3,853.65	54.58	13.61	96.46	-1,878.98	-2,352.97	1,444.42	1,377.04	67.38	21.436		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
5,200.00	3,930.01	3,915.01	3,915.01	56.03	13.83	98.38	-1,878.98	-2,352.97	1,460.82	1,392.33	68.49	21.330	SF	
5,300.00	3,991.36	3,976.36	3,976.36	57.48	14.05	100.29	-1,878.98	-2,352.97	1,481.25	1,411.81	69.44	21.331		
5,400.00	4,052.72	4,037.72	4,037.72	58.93	14.27	102.17	-1,878.98	-2,352.97	1,505.55	1,435.30	70.26	21.429		
5,500.00	4,114.07	4,099.07	4,099.07	60.38	14.49	104.02	-1,878.98	-2,352.97	1,533.54	1,462.60	70.94	21.617		
5,600.00	4,175.43	4,160.43	4,160.43	61.83	14.71	105.84	-1,878.98	-2,352.97	1,565.01	1,493.50	71.51	21.885		
5,700.00	4,236.78	4,221.78	4,221.78	63.28	14.93	107.64	-1,878.98	-2,352.97	1,599.77	1,527.80	71.97	22.228		
5,800.00	4,298.14	4,283.14	4,283.14	64.73	15.15	109.39	-1,878.98	-2,352.97	1,637.60	1,565.26	72.34	22.638		
5,900.00	4,359.49	4,344.49	4,344.49	66.18	15.37	111.11	-1,878.98	-2,352.97	1,678.30	1,605.67	72.63	23.108		
6,000.00	4,420.85	4,405.85	4,405.85	67.63	15.59	112.79	-1,878.98	-2,352.97	1,721.65	1,648.80	72.85	23.632		
6,100.00	4,482.20	4,467.20	4,467.20	69.08	15.81	114.43	-1,878.98	-2,352.97	1,767.48	1,694.45	73.02	24.205		
6,200.00	4,543.55	4,528.55	4,528.55	70.53	16.03	116.03	-1,878.98	-2,352.97	1,815.58	1,742.43	73.15	24.821		
6,300.00	4,604.91	4,589.91	4,589.91	71.98	16.25	117.59	-1,878.98	-2,352.97	1,865.78	1,792.55	73.24	25.476		
6,400.00	4,666.26	4,651.26	4,651.26	73.44	16.47	119.10	-1,878.98	-2,352.97	1,917.93	1,844.63	73.30	26.165		
6,500.00	4,727.62	4,712.62	4,712.62	74.89	16.69	120.57	-1,878.98	-2,352.97	1,971.86	1,898.51	73.35	26.884		
6,600.00	4,788.97	4,773.97	4,773.97	76.34	16.91	122.00	-1,878.98	-2,352.97	2,027.42	1,954.04	73.38	27.628		
6,700.00	4,850.33	4,835.33	4,835.33	77.79	17.13	123.38	-1,878.98	-2,352.97	2,084.50	2,011.09	73.41	28.395		
6,800.00	4,911.68	4,896.68	4,896.68	79.24	17.35	124.73	-1,878.98	-2,352.97	2,142.97	2,069.54	73.44	29.181		
6,900.00	4,973.04	4,958.04	4,958.04	80.70	17.57	126.02	-1,878.98	-2,352.97	2,202.72	2,129.26	73.46	29.984		
7,000.00	5,034.39	5,019.39	5,019.39	82.15	17.79	127.28	-1,878.98	-2,352.97	2,263.65	2,190.15	73.50	30.799		
7,100.00	5,095.75	5,080.75	5,080.75	83.60	18.01	128.50	-1,878.98	-2,352.97	2,325.66	2,252.13	73.54	31.626		
7,200.00	5,157.10	5,142.10	5,142.10	85.05	18.23	129.68	-1,878.98	-2,352.97	2,388.68	2,315.09	73.59	32.461		
7,300.00	5,218.46	5,203.46	5,203.46	86.51	18.45	130.82	-1,878.98	-2,352.97	2,452.61	2,378.97	73.64	33.303		
7,400.00	5,279.81	5,264.81	5,264.81	87.96	18.66	131.92	-1,878.98	-2,352.97	2,517.40	2,443.69	73.72	34.150		
7,500.00	5,341.17	5,326.17	5,326.17	89.41	18.88	132.98	-1,878.98	-2,352.97	2,582.98	2,509.18	73.80	35.000		
7,600.00	5,402.52	5,387.52	5,387.52	90.87	19.10	134.01	-1,878.98	-2,352.97	2,649.29	2,575.39	73.90	35.851		
7,700.00	5,463.88	5,448.88	5,448.88	92.32	19.32	135.00	-1,878.98	-2,352.97	2,716.28	2,642.27	74.01	36.702		
7,800.00	5,525.23	5,510.23	5,510.23	93.77	19.54	135.96	-1,878.98	-2,352.97	2,783.89	2,709.76	74.14	37.551		
7,900.00	5,586.59	5,571.59	5,571.59	95.23	19.76	136.89	-1,878.98	-2,352.97	2,852.09	2,777.82	74.28	38.399		
8,000.00	5,647.94	5,632.94	5,632.94	96.68	19.98	137.79	-1,878.98	-2,352.97	2,920.83	2,846.40	74.43	39.243		
8,100.00	5,709.30	5,694.30	5,694.30	98.13	20.20	138.66	-1,878.98	-2,352.97	2,990.08	2,915.48	74.60	40.082		
8,200.00	5,770.65	5,755.65	5,755.65	99.59	20.42	139.49	-1,878.98	-2,352.97	3,059.79	2,985.01	74.78	40.917		
8,300.00	5,832.01	5,817.01	5,817.01	101.04	20.64	140.31	-1,878.98	-2,352.97	3,129.95	3,054.97	74.98	41.745		
8,400.00	5,893.36	5,878.36	5,878.36	102.49	20.86	141.09	-1,878.98	-2,352.97	3,200.52	3,125.33	75.19	42.567		
8,500.00	5,954.72	5,939.72	5,939.72	103.95	21.08	141.85	-1,878.98	-2,352.97	3,271.47	3,196.06	75.41	43.382		
8,600.00	6,016.07	6,001.07	6,001.07	105.40	21.30	142.58	-1,878.98	-2,352.97	3,342.78	3,267.13	75.65	44.189		
8,700.00	6,077.43	6,062.43	6,062.43	106.86	21.52	143.29	-1,878.98	-2,352.97	3,414.42	3,338.53	75.90	44.989		
8,800.00	6,138.78	6,123.78	6,123.78	108.31	21.74	143.98	-1,878.98	-2,352.97	3,486.39	3,410.23	76.16	45.779		
8,900.00	6,200.13	6,185.13	6,185.13	109.76	21.96	144.64	-1,878.98	-2,352.97	3,558.65	3,482.22	76.43	46.561		
9,000.00	6,261.49	6,246.49	6,246.49	111.22	22.18	145.29	-1,878.98	-2,352.97	3,631.19	3,554.47	76.71	47.334		
9,100.00	6,322.84	6,307.84	6,307.84	112.67	22.40	145.91	-1,878.98	-2,352.97	3,703.99	3,626.98	77.01	48.097		
9,200.00	6,384.20	6,369.20	6,369.20	114.13	22.62	146.52	-1,878.98	-2,352.97	3,777.04	3,699.72	77.32	48.851		
9,300.00	6,445.55	6,430.55	6,430.55	115.58	22.84	147.10	-1,878.98	-2,352.97	3,850.32	3,772.69	77.63	49.596		
9,400.00	6,506.91	6,491.91	6,491.91	117.03	23.06	147.67	-1,878.98	-2,352.97	3,923.83	3,845.87	77.96	50.330		
9,500.00	6,568.26	6,553.26	6,553.26	118.49	23.28	148.22	-1,878.98	-2,352.97	3,997.54	3,919.24	78.30	51.055		
9,600.00	6,629.62	6,614.62	6,614.62	119.94	23.50	148.75	-1,878.98	-2,352.97	4,071.45	3,992.80	78.65	51.769		
9,700.00	6,690.97	6,675.97	6,675.97	121.40	23.72	149.27	-1,878.98	-2,352.97	4,145.54	4,066.54	79.00	52.474		
9,800.00	6,752.33	6,737.33	6,737.33	122.85	23.94	149.77	-1,878.98	-2,352.97	4,219.82	4,140.45	79.37	53.168		
9,900.00	6,813.68	6,798.68	6,798.68	124.31	24.16	150.26	-1,878.98	-2,352.97	4,294.26	4,214.52	79.74	53.852		
10,000.00	6,875.04	6,860.04	6,860.04	125.76	24.38	150.74	-1,878.98	-2,352.97	4,368.86	4,288.73	80.12	54.526		
10,100.00	6,936.39	6,921.39	6,921.39	127.22	24.60	151.20	-1,878.98	-2,352.97	4,443.61	4,363.09	80.51	55.191		
10,200.00	6,997.75	6,982.75	6,982.75	128.67	24.82	151.64	-1,878.98	-2,352.97	4,518.50	4,437.59	80.91	55.845		
10,300.00	7,059.10	7,044.10	7,044.10	130.13	25.04	152.08	-1,878.98	-2,352.97	4,593.53	4,512.21	81.32	56.489		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
10,400.00	7,118.86	7,103.86	7,103.86	131.62	25.26	137.08	-1,878.98	-2,352.97	4,667.42	4,585.73	81.69	57.136		
10,500.00	7,173.55	7,158.55	7,158.55	133.17	25.45	122.96	-1,878.98	-2,352.97	4,737.15	4,655.19	81.97	57.792		
10,600.00	7,221.49	7,206.49	7,206.49	134.72	25.63	111.84	-1,878.98	-2,352.97	4,801.01	4,718.86	82.15	58.439		
10,700.00	7,261.21	7,246.21	7,246.21	136.22	25.77	103.39	-1,878.98	-2,352.97	4,857.54	4,775.29	82.25	59.060		
10,800.00	7,291.51	7,276.51	7,276.51	137.61	25.88	97.21	-1,878.98	-2,352.97	4,905.52	4,823.26	82.26	59.637		
10,900.00	7,311.47	7,296.47	7,296.47	138.86	25.95	92.98	-1,878.98	-2,352.97	4,943.93	4,861.74	82.19	60.149		
11,000.00	7,320.48	7,305.48	7,305.48	139.92	25.98	90.46	-1,878.98	-2,352.97	4,971.98	4,889.90	82.08	60.575		
11,100.00	7,321.00	7,306.00	7,306.00	140.82	25.98	90.00	-1,878.98	-2,352.97	4,992.23	4,910.28	81.95	60.921		
11,200.00	7,321.00	7,306.00	7,306.00	141.74	25.98	90.00	-1,878.98	-2,352.97	5,013.80	4,931.93	81.86	61.245		
11,300.00	7,321.00	7,306.00	7,306.00	142.69	25.98	90.00	-1,878.98	-2,352.97	5,037.26	4,955.43	81.83	61.555		
11,400.00	7,321.00	7,306.00	7,306.00	143.67	25.98	90.00	-1,878.98	-2,352.97	5,062.59	4,980.74	81.85	61.851		
11,500.00	7,321.00	7,306.00	7,306.00	144.68	25.98	90.00	-1,878.98	-2,352.97	5,089.76	5,007.84	81.92	62.131		
11,600.00	7,321.00	7,306.00	7,306.00	145.73	25.98	90.00	-1,878.98	-2,352.97	5,118.74	5,036.70	82.03	62.398		
11,700.00	7,321.00	7,306.00	7,306.00	146.80	25.98	90.00	-1,878.98	-2,352.97	5,149.50	5,067.30	82.19	62.652		
11,800.00	7,321.00	7,306.00	7,306.00	147.91	25.98	90.00	-1,878.98	-2,352.97	5,182.00	5,099.61	82.39	62.894		
11,900.00	7,321.00	7,306.00	7,306.00	149.05	25.98	90.00	-1,878.98	-2,352.97	5,216.22	5,133.59	82.63	63.124		
12,000.00	7,321.00	7,306.00	7,306.00	150.22	25.98	90.00	-1,878.98	-2,352.97	5,252.12	5,169.21	82.91	63.345		
12,100.00	7,321.00	7,306.00	7,306.00	151.42	25.98	90.00	-1,878.98	-2,352.97	5,289.67	5,206.44	83.23	63.558		
12,200.00	7,321.00	7,306.00	7,306.00	152.66	25.98	90.00	-1,878.98	-2,352.97	5,328.83	5,245.26	83.57	63.763		
12,300.00	7,321.00	7,306.00	7,306.00	153.93	25.98	90.00	-1,878.98	-2,352.97	5,369.57	5,285.62	83.95	63.964		
12,400.00	7,321.00	7,306.00	7,306.00	155.22	25.98	90.00	-1,878.98	-2,352.97	5,411.85	5,327.50	84.35	64.160		
12,500.00	7,321.00	7,306.00	7,306.00	156.55	25.98	90.00	-1,878.98	-2,352.97	5,455.63	5,370.86	84.78	64.354		
12,600.00	7,321.00	7,306.00	7,306.00	157.91	25.98	90.00	-1,878.98	-2,352.97	5,500.88	5,415.66	85.22	64.547		
12,700.00	7,321.00	7,306.00	7,306.00	159.31	25.98	90.00	-1,878.98	-2,352.97	5,547.57	5,461.88	85.69	64.740		
12,800.00	7,321.00	7,306.00	7,306.00	160.73	25.98	90.00	-1,878.98	-2,352.97	5,595.66	5,509.48	86.17	64.935		
12,900.00	7,321.00	7,306.00	7,306.00	162.18	25.98	90.00	-1,878.98	-2,352.97	5,645.11	5,558.43	86.67	65.132		
13,000.00	7,321.00	7,306.00	7,306.00	163.67	25.98	90.00	-1,878.98	-2,352.97	5,695.88	5,608.70	87.18	65.333		
13,100.00	7,321.00	7,306.00	7,306.00	165.18	25.98	90.00	-1,878.98	-2,352.97	5,747.94	5,660.24	87.70	65.539		
13,200.00	7,321.00	7,306.00	7,306.00	166.73	25.98	90.00	-1,878.98	-2,352.97	5,801.27	5,713.03	88.23	65.750		
13,300.00	7,321.00	7,306.00	7,306.00	168.30	25.98	90.00	-1,878.98	-2,352.97	5,855.81	5,767.04	88.77	65.967		
13,400.00	7,321.00	7,306.00	7,306.00	169.90	25.98	90.00	-1,878.98	-2,352.97	5,911.54	5,822.23	89.31	66.191		
13,500.00	7,321.00	7,306.00	7,306.00	171.53	25.98	90.00	-1,878.98	-2,352.97	5,968.43	5,878.58	89.86	66.423		
13,600.00	7,321.00	7,306.00	7,306.00	173.19	25.98	90.00	-1,878.98	-2,352.97	6,026.44	5,936.04	90.40	66.663		
13,700.00	7,321.00	7,306.00	7,306.00	174.88	25.98	90.00	-1,878.98	-2,352.97	6,085.54	5,994.59	90.95	66.911		
13,800.00	7,321.00	7,306.00	7,306.00	176.59	25.98	90.00	-1,878.98	-2,352.97	6,145.70	6,054.20	91.50	67.167		
13,900.00	7,321.00	7,306.00	7,306.00	178.33	25.98	90.00	-1,878.98	-2,352.97	6,206.89	6,114.84	92.05	67.433		
14,000.00	7,321.00	7,306.00	7,306.00	180.09	25.98	90.00	-1,878.98	-2,352.97	6,269.07	6,176.48	92.59	67.708		
14,100.00	7,321.00	7,306.00	7,306.00	181.88	25.98	90.00	-1,878.98	-2,352.97	6,332.23	6,239.10	93.13	67.992		
14,200.00	7,321.00	7,306.00	7,306.00	183.70	25.98	90.00	-1,878.98	-2,352.97	6,396.32	6,302.65	93.67	68.286		
14,300.00	7,321.00	7,306.00	7,306.00	185.54	25.98	90.00	-1,878.98	-2,352.97	6,461.33	6,367.13	94.20	68.589		
14,400.00	7,321.00	7,306.00	7,306.00	187.40	25.98	90.00	-1,878.98	-2,352.97	6,527.22	6,432.49	94.73	68.902		
14,500.00	7,321.00	7,306.00	7,306.00	189.29	25.98	90.00	-1,878.98	-2,352.97	6,593.97	6,498.71	95.26	69.224		
14,600.00	7,321.00	7,306.00	7,306.00	191.20	25.98	90.00	-1,878.98	-2,352.97	6,661.55	6,565.78	95.77	69.556		
14,700.00	7,321.00	7,306.00	7,306.00	193.13	25.98	90.00	-1,878.98	-2,352.97	6,729.94	6,633.66	96.28	69.897		
14,800.00	7,321.00	7,306.00	7,306.00	195.08	25.98	90.00	-1,878.98	-2,352.97	6,799.11	6,702.32	96.79	70.247		
14,900.00	7,321.00	7,306.00	7,306.00	197.05	25.98	90.00	-1,878.98	-2,352.97	6,869.04	6,771.76	97.29	70.607		
15,000.00	7,321.00	7,306.00	7,306.00	199.04	25.98	90.00	-1,878.98	-2,352.97	6,939.71	6,841.93	97.78	70.975		
15,100.00	7,321.00	7,306.00	7,306.00	201.06	25.98	90.00	-1,878.98	-2,352.97	7,011.09	6,912.83	98.26	71.352		
15,200.00	7,321.00	7,306.00	7,306.00	203.09	25.98	90.00	-1,878.98	-2,352.97	7,083.16	6,984.43	98.74	71.738		
15,300.00	7,321.00	7,306.00	7,306.00	205.14	25.98	90.00	-1,878.98	-2,352.97	7,155.91	7,056.70	99.20	72.133		
15,400.00	7,321.00	7,306.00	7,306.00	207.21	25.98	90.00	-1,878.98	-2,352.97	7,229.31	7,129.64	99.67	72.535		
15,500.00	7,321.00	7,306.00	7,306.00	209.29	25.98	90.00	-1,878.98	-2,352.97	7,303.33	7,203.22	100.12	72.946		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
15,600.00	7,321.00	7,306.00	7,306.00	211.39	25.98	90.00	-1,878.98	-2,352.97	7,377.97	7,277.41	100.56	73.365		
15,700.00	7,321.00	7,306.00	7,306.00	213.51	25.98	90.00	-1,878.98	-2,352.97	7,453.21	7,352.21	101.00	73.792		
15,800.00	7,321.00	7,306.00	7,306.00	215.65	25.98	90.00	-1,878.98	-2,352.97	7,529.02	7,427.59	101.43	74.227		
15,900.00	7,321.00	7,306.00	7,306.00	217.80	25.98	90.00	-1,878.98	-2,352.97	7,605.39	7,503.54	101.86	74.668		
16,000.00	7,321.00	7,306.00	7,306.00	219.96	25.98	90.00	-1,878.98	-2,352.97	7,682.31	7,580.03	102.27	75.117		
16,100.00	7,321.00	7,306.00	7,306.00	222.14	25.98	90.00	-1,878.98	-2,352.97	7,759.75	7,657.07	102.68	75.573		
16,200.00	7,321.00	7,306.00	7,306.00	224.34	25.98	90.00	-1,878.98	-2,352.97	7,837.70	7,734.62	103.08	76.036		
16,300.00	7,321.00	7,306.00	7,306.00	226.55	25.98	90.00	-1,878.98	-2,352.97	7,916.14	7,812.67	103.47	76.506		
16,400.00	7,321.00	7,306.00	7,306.00	228.77	25.98	90.00	-1,878.98	-2,352.97	7,995.07	7,891.21	103.86	76.982		
16,500.00	7,321.00	7,306.00	7,306.00	231.00	25.98	90.00	-1,878.98	-2,352.97	8,074.46	7,970.23	104.24	77.464		
16,600.00	7,321.00	7,306.00	7,306.00	233.25	25.98	90.00	-1,878.98	-2,352.97	8,154.31	8,049.70	104.61	77.952		
16,700.00	7,321.00	7,306.00	7,306.00	235.51	25.98	90.00	-1,878.98	-2,352.97	8,234.60	8,129.63	104.97	78.446		
16,800.00	7,321.00	7,306.00	7,306.00	237.78	25.98	90.00	-1,878.98	-2,352.97	8,315.31	8,209.98	105.33	78.946		
16,900.00	7,321.00	7,306.00	7,306.00	240.06	25.98	90.00	-1,878.98	-2,352.97	8,396.44	8,290.76	105.68	79.452		
17,000.00	7,321.00	7,306.00	7,306.00	242.35	25.98	90.00	-1,878.98	-2,352.97	8,477.98	8,371.95	106.02	79.962		
17,100.00	7,321.00	7,306.00	7,306.00	244.66	25.98	90.00	-1,878.98	-2,352.97	8,559.90	8,453.54	106.36	80.479		
17,200.00	7,321.00	7,306.00	7,306.00	246.97	25.98	90.00	-1,878.98	-2,352.97	8,642.21	8,535.51	106.69	81.000		
17,300.00	7,321.00	7,306.00	7,306.00	249.29	25.98	90.00	-1,878.98	-2,352.97	8,724.88	8,617.86	107.02	81.526		
17,400.00	7,321.00	7,306.00	7,306.00	251.63	25.98	90.00	-1,878.98	-2,352.97	8,807.92	8,700.58	107.34	82.057		
17,500.00	7,321.00	7,306.00	7,306.00	253.97	25.98	90.00	-1,878.98	-2,352.97	8,891.30	8,783.65	107.65	82.592		
17,600.00	7,321.00	7,306.00	7,306.00	256.32	25.98	90.00	-1,878.98	-2,352.97	8,975.02	8,867.06	107.96	83.132		
17,700.00	7,321.00	7,306.00	7,306.00	258.68	25.98	90.00	-1,878.98	-2,352.97	9,059.08	8,950.81	108.26	83.677		
17,800.00	7,321.00	7,306.00	7,306.00	261.05	25.98	90.00	-1,878.98	-2,352.97	9,143.45	9,034.89	108.56	84.225		
17,900.00	7,321.00	7,306.00	7,306.00	263.43	25.98	90.00	-1,878.98	-2,352.97	9,228.14	9,119.29	108.85	84.778		
18,000.00	7,321.00	7,306.00	7,306.00	265.81	25.98	90.00	-1,878.98	-2,352.97	9,313.13	9,203.99	109.14	85.334		
18,100.00	7,321.00	7,306.00	7,306.00	268.21	25.98	90.00	-1,878.98	-2,352.97	9,398.41	9,289.00	109.42	85.895		
18,200.00	7,321.00	7,306.00	7,306.00	270.61	25.98	90.00	-1,878.98	-2,352.97	9,483.99	9,374.29	109.69	86.459		
18,300.00	7,321.00	7,306.00	7,306.00	273.02	25.98	90.00	-1,878.98	-2,352.97	9,569.84	9,459.87	109.96	87.027		
18,400.00	7,321.00	7,306.00	7,306.00	275.43	25.98	90.00	-1,878.98	-2,352.97	9,655.96	9,545.73	110.23	87.598		
18,500.00	7,321.00	7,306.00	7,306.00	277.86	25.98	90.00	-1,878.98	-2,352.97	9,742.35	9,631.86	110.49	88.172		
18,600.00	7,321.00	7,306.00	7,306.00	280.28	25.98	90.00	-1,878.98	-2,352.97	9,829.00	9,718.25	110.75	88.750		
18,700.00	7,321.00	7,306.00	7,306.00	282.72	25.98	90.00	-1,878.98	-2,352.97	9,915.90	9,804.90	111.00	89.331		
18,800.00	7,321.00	7,306.00	7,306.00	285.16	25.98	90.00	-1,878.98	-2,352.97	10,003.05	9,891.80	111.25	89.915		
18,900.00	7,321.00	7,306.00	7,306.00	287.61	25.98	90.00	-1,878.98	-2,352.97	10,090.43	9,978.94	111.49	90.502		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 99-MWVD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	92.91	92.90	0.27	0.15	-177.43	-2,122.20	-95.09	2,124.44	2,124.03	0.41	5,160.429	
200.00	200.00	185.00	184.98	0.63	0.46	-177.41	-2,121.13	-95.85	2,123.35	2,122.26	1.08	1,957.332	
300.00	299.98	251.51	251.49	0.97	0.69	-20.68	-2,121.38	-95.73	2,122.00	2,120.34	1.66	1,279.435	
400.00	399.84	316.94	316.90	1.32	0.91	-20.77	-2,122.50	-94.75	2,118.77	2,116.54	2.23	951.013	
500.00	499.45	379.85	379.74	1.68	1.13	-20.90	-2,124.75	-92.97	2,114.07	2,111.27	2.80	755.398	
600.00	598.70	458.00	457.72	2.07	1.41	-21.13	-2,128.85	-89.79	2,107.68	2,104.25	3.44	613.270	
700.00	697.47	512.39	511.91	2.48	1.61	-21.36	-2,132.57	-86.86	2,099.59	2,095.59	4.00	524.669	
800.00	795.62	580.82	579.92	2.93	1.87	-21.70	-2,138.41	-82.22	2,090.04	2,085.41	4.63	451.416	
900.00	893.06	644.00	642.61	3.41	2.12	-22.07	-2,144.51	-77.28	2,078.61	2,073.36	5.25	395.746	
1,000.00	889.64	709.32	707.21	3.93	2.39	-22.52	-2,152.03	-71.12	2,065.85	2,059.95	5.90	349.949	
1,100.00	1,085.27	778.88	775.73	4.50	2.69	-23.07	-2,161.13	-63.42	2,051.58	2,044.99	6.59	311.248	
1,200.00	1,179.82	850.17	845.71	5.11	3.01	-23.72	-2,171.20	-54.23	2,035.50	2,028.19	7.31	278.428	
1,300.00	1,273.17	925.00	918.81	5.77	3.36	-24.49	-2,182.86	-43.33	2,017.97	2,009.90	8.07	249.965	
1,400.00	1,365.21	992.99	984.88	6.48	3.70	-25.30	-2,194.11	-31.86	1,998.76	1,989.92	8.84	225.983	
1,500.00	1,455.84	1,078.52	1,067.41	7.23	4.16	-26.44	-2,208.43	-14.64	1,977.53	1,967.79	9.74	203.106	
1,600.00	1,544.94	1,154.44	1,140.15	8.04	4.58	-27.61	-2,221.12	3.06	1,954.27	1,943.63	10.64	183.743	
1,700.00	1,632.39	1,223.30	1,205.60	8.90	4.99	-28.82	-2,233.05	20.78	1,929.72	1,918.17	11.55	167.130	
1,800.00	1,718.11	1,300.00	1,277.81	9.81	5.48	-30.29	-2,246.57	42.81	1,903.98	1,891.42	12.56	151.598	
1,900.00	1,801.97	1,365.66	1,339.08	10.77	5.92	-31.72	-2,258.21	63.37	1,877.15	1,863.58	13.58	138.276	
2,000.00	1,883.88	1,431.42	1,400.07	11.78	6.38	-33.26	-2,269.97	84.96	1,849.48	1,834.83	14.65	126.283	
2,100.00	1,963.74	1,495.47	1,459.32	12.84	6.84	-34.85	-2,281.87	106.14	1,821.35	1,805.59	15.76	115.571	
2,200.00	2,041.45	1,573.49	1,531.46	13.95	7.42	-36.83	-2,296.49	132.03	1,792.54	1,775.51	17.04	105.225	
2,300.00	2,116.92	1,655.55	1,607.47	15.10	8.03	-39.01	-2,311.67	158.99	1,762.91	1,744.50	18.40	95.786	
2,400.00	2,190.05	1,729.04	1,675.77	16.31	8.57	-41.11	-2,325.18	182.50	1,732.63	1,712.85	19.77	87.621	
2,500.00	2,260.76	1,794.54	1,736.73	17.56	9.05	-43.11	-2,337.35	203.13	1,702.27	1,681.12	21.15	80.477	
2,600.00	2,328.95	1,853.21	1,791.31	18.85	9.49	-45.03	-2,348.57	221.49	1,672.38	1,649.83	22.55	74.167	
2,700.00	2,394.55	1,929.70	1,862.48	20.19	10.06	-47.50	-2,363.19	245.41	1,642.97	1,618.80	24.17	67.976	
2,800.00	2,457.48	2,019.58	1,946.35	21.57	10.72	-50.49	-2,379.27	273.44	1,613.69	1,587.70	25.99	62.082	
2,900.00	2,518.85	2,093.93	2,016.07	22.98	11.25	-52.69	-2,391.56	296.15	1,585.56	1,557.80	27.76	57.109	
3,000.00	2,580.20	2,155.10	2,073.52	24.39	11.69	-54.49	-2,401.52	314.63	1,560.79	1,531.31	29.48	52.950	
3,100.00	2,641.56	2,204.26	2,119.63	25.81	12.05	-55.96	-2,409.64	329.64	1,540.03	1,508.90	31.13	49.479	
3,200.00	2,702.91	2,258.29	2,170.17	27.23	12.44	-57.59	-2,418.79	346.41	1,523.58	1,490.74	32.84	46.388	
3,300.00	2,764.27	2,322.86	2,230.62	28.65	12.91	-59.54	-2,429.90	366.18	1,511.16	1,476.48	34.69	43.566	
3,400.00	2,825.62	2,378.12	2,282.38	30.08	13.32	-61.21	-2,439.53	382.98	1,502.85	1,466.40	36.45	41.229	
3,500.00	2,886.98	2,432.00	2,332.75	31.51	13.71	-62.85	-2,448.97	399.62	1,499.00	1,460.80	38.20	39.236	
3,536.27	2,909.23	2,452.12	2,351.54	32.03	13.86	-63.47	-2,452.49	405.91	1,498.71	1,459.86	38.85	38.581 CC	
3,600.00	2,948.33	2,487.25	2,384.31	32.95	14.13	-64.54	-2,458.60	416.97	1,499.62	1,459.65	39.97	37.522 ES	
3,700.00	3,009.68	2,542.46	2,435.76	34.38	14.54	-66.23	-2,468.15	434.58	1,504.69	1,462.98	41.71	36.072	
3,800.00	3,071.04	2,598.81	2,488.22	35.82	14.97	-67.94	-2,478.12	452.58	1,514.15	1,470.70	43.45	34.848	
3,900.00	3,132.39	2,665.95	2,550.74	37.25	15.47	-69.97	-2,490.15	473.90	1,527.72	1,482.42	45.29	33.731	
4,000.00	3,193.75	2,733.68	2,613.95	38.69	15.98	-72.00	-2,502.09	495.09	1,544.93	1,497.82	47.11	32.793	
4,100.00	3,255.10	2,798.78	2,674.78	40.13	16.47	-73.92	-2,513.69	515.17	1,565.82	1,516.96	48.87	32.044	
4,200.00	3,316.46	2,850.62	2,723.18	41.58	16.86	-75.43	-2,523.19	531.12	1,590.49	1,540.08	50.40	31.555	
4,300.00	3,377.81	2,907.78	2,776.41	43.02	17.29	-77.07	-2,534.09	548.86	1,618.98	1,567.01	51.97	31.155	
4,400.00	3,439.17	2,985.80	2,849.23	44.46	17.88	-79.27	-2,548.69	572.77	1,650.45	1,596.67	53.78	30.691	
4,500.00	3,500.52	3,039.98	2,899.89	45.91	18.28	-80.78	-2,558.42	589.32	1,684.86	1,629.66	55.20	30.523	
4,600.00	3,561.88	3,093.66	2,950.05	47.35	18.68	-82.26	-2,567.73	606.02	1,722.52	1,665.96	56.56	30.454	
4,700.00	3,623.23	3,149.83	3,002.51	48.80	19.10	-83.79	-2,577.29	623.69	1,763.16	1,705.26	57.91	30.449	
4,800.00	3,684.59	3,210.80	3,059.43	50.24	19.56	-85.42	-2,587.56	642.95	1,806.54	1,747.27	59.27	30.479	
4,900.00	3,745.94	3,279.30	3,123.42	51.69	20.07	-87.19	-2,599.31	664.39	1,852.21	1,791.50	60.71	30.509	
5,000.00	3,807.30	3,370.45	3,208.92	53.14	20.74	-89.50	-2,614.70	692.00	1,899.51	1,837.06	62.45	30.416	
5,100.00	3,868.65	3,466.90	3,299.91	54.58	21.42	-91.84	-2,631.13	719.42	1,947.67	1,883.44	64.22	30.327 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 MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 99-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	3,930.01	3,516.76	3,346.94	56.03	21.77	-93.01	-2,640.02	733.39	1,997.57	1,932.30	65.27	30.604		
5,300.00	3,991.36	3,571.67	3,398.58	57.48	22.17	-94.25	-2,650.16	749.07	2,049.61	1,983.24	66.36	30.885		
5,400.00	4,052.72	3,635.21	3,458.33	58.93	22.62	-95.66	-2,661.84	767.26	2,103.31	2,035.75	67.56	31.134		
5,500.00	4,114.07	3,693.78	3,513.44	60.38	23.04	-96.92	-2,672.40	784.02	2,158.54	2,089.90	68.64	31.447		
5,600.00	4,175.43	3,753.18	3,569.37	61.83	23.47	-98.18	-2,682.85	801.10	2,215.30	2,145.60	69.71	31.781		
5,700.00	4,236.78	3,817.40	3,629.93	63.28	23.92	-99.51	-2,693.74	819.50	2,273.35	2,202.54	70.81	32.103		
5,800.00	4,298.14	3,863.36	3,673.29	64.73	24.25	-100.44	-2,701.34	832.70	2,332.76	2,261.15	71.61	32.575		
5,900.00	4,359.49	3,904.62	3,712.09	66.18	24.55	-101.25	-2,708.27	844.91	2,393.80	2,321.49	72.31	33.105		
6,000.00	4,420.85	3,953.25	3,757.66	67.63	24.91	-102.18	-2,716.61	859.69	2,456.34	2,383.22	73.11	33.596		
6,100.00	4,482.20	4,008.34	3,809.17	69.08	25.32	-103.20	-2,726.33	876.63	2,520.00	2,445.99	74.02	34.045		
6,200.00	4,543.55	4,063.31	3,860.46	70.53	25.73	-104.17	-2,736.31	893.72	2,584.68	2,509.76	74.92	34.499		
6,300.00	4,604.91	4,118.33	3,911.69	71.98	26.15	-105.12	-2,746.53	910.99	2,650.29	2,574.47	75.82	34.957		
6,400.00	4,666.26	4,173.21	3,962.70	73.44	26.58	-106.03	-2,756.89	928.39	2,716.76	2,640.05	76.71	35.417		
6,500.00	4,727.62	4,263.47	4,046.66	74.89	27.27	-107.47	-2,773.87	956.81	2,783.87	2,705.67	78.21	35.596		
6,600.00	4,788.97	4,350.14	4,127.90	76.34	27.91	-108.82	-2,789.40	982.68	2,850.67	2,771.06	79.61	35.808		
6,700.00	4,850.33	4,414.66	4,188.36	77.79	28.38	-109.78	-2,801.34	1,001.79	2,917.87	2,837.24	80.63	36.189		
6,800.00	4,911.68	4,469.68	4,239.97	79.24	28.79	-110.58	-2,811.28	1,018.07	2,985.71	2,904.23	81.48	36.643		
6,900.00	4,973.04	4,527.32	4,294.11	80.70	29.21	-111.39	-2,821.33	1,035.11	3,054.19	2,971.83	82.36	37.082		
7,000.00	5,034.39	4,579.00	4,342.69	82.15	29.58	-112.11	-2,830.18	1,050.37	3,123.24	3,040.10	83.14	37.568		
7,100.00	5,095.75	4,637.19	4,397.42	83.60	30.00	-112.90	-2,839.92	1,067.59	3,192.87	3,108.86	84.01	38.006		
7,200.00	5,157.10	4,673.00	4,431.10	85.05	30.26	-113.38	-2,845.77	1,078.22	3,263.18	3,178.68	84.50	38.617		
7,300.00	5,218.46	4,728.04	4,482.79	86.51	30.66	-114.09	-2,854.80	1,094.83	3,334.13	3,248.81	85.32	39.079		
7,400.00	5,279.81	4,772.89	4,524.77	87.96	30.99	-114.65	-2,862.30	1,108.73	3,405.83	3,319.86	85.96	39.619		
7,500.00	5,341.17	4,857.08	4,603.66	89.41	31.61	-115.67	-2,876.26	1,134.61	3,477.79	3,390.51	87.28	39.845		
7,600.00	5,402.52	4,941.03	4,682.74	90.87	32.21	-116.66	-2,889.79	1,159.33	3,549.43	3,460.86	88.57	40.075		
7,700.00	5,463.88	5,025.74	4,762.72	92.32	32.81	-117.62	-2,903.37	1,183.72	3,621.07	3,531.22	89.85	40.300		
7,800.00	5,525.23	5,071.72	4,806.09	93.77	33.14	-118.12	-2,910.87	1,197.01	3,693.09	3,602.59	90.51	40.805		
7,900.00	5,586.59	5,108.64	4,840.79	95.23	33.41	-118.51	-2,917.06	1,208.01	3,765.77	3,674.76	91.01	41.375		
8,000.00	5,647.94	5,154.76	4,883.95	96.68	33.75	-118.98	-2,924.99	1,222.16	3,839.09	3,747.41	91.68	41.874		
8,100.00	5,709.30	5,322.94	5,041.95	98.13	34.97	-120.62	-2,954.24	1,271.78	3,912.14	3,817.74	94.40	41.440		
8,200.00	5,770.65	5,803.34	5,509.02	99.59	37.51	-125.45	-3,014.18	1,363.25	3,979.74	3,879.33	100.41	39.634		
8,300.00	5,832.01	5,877.72	5,582.77	101.04	37.79	-126.23	-3,019.76	1,371.13	4,045.63	3,944.49	101.14	40.002		
8,400.00	5,893.36	5,969.87	5,674.43	102.49	38.10	-127.19	-3,024.65	1,379.25	4,111.65	4,009.70	101.94	40.333		
8,500.00	5,954.72	6,065.75	5,770.04	103.95	38.39	-128.21	-3,027.82	1,385.71	4,177.60	4,074.90	102.70	40.678		
8,600.00	6,016.07	6,282.85	5,987.00	105.40	38.89	-130.52	-3,029.55	1,391.59	4,242.78	4,138.75	104.02	40.787		
8,700.00	6,077.43	6,344.09	6,048.25	106.86	39.02	-131.16	-3,029.64	1,391.64	4,307.17	4,202.75	104.42	41.248		
8,800.00	6,138.78	6,410.99	6,115.14	108.31	39.15	-131.84	-3,029.84	1,391.73	4,372.01	4,267.17	104.84	41.701		
8,900.00	6,200.13	6,480.15	6,184.31	109.76	39.28	-132.53	-3,030.08	1,391.72	4,437.21	4,331.95	105.26	42.153		
9,000.00	6,261.49	6,550.74	6,254.90	111.22	39.41	-133.22	-3,030.37	1,391.58	4,502.73	4,397.04	105.69	42.605		
9,100.00	6,322.84	6,636.56	6,340.71	112.67	39.57	-134.04	-3,030.81	1,391.08	4,568.44	4,462.27	106.17	43.029		
9,200.00	6,384.20	6,689.65	6,393.79	114.13	39.67	-134.54	-3,031.05	1,390.64	4,634.43	4,527.94	106.49	43.519		
9,300.00	6,445.55	6,745.65	6,449.80	115.58	39.77	-135.06	-3,031.18	1,390.23	4,700.95	4,594.13	106.82	44.008		
9,400.00	6,506.91	6,831.16	6,535.30	117.03	39.92	-135.83	-3,031.45	1,389.42	4,767.69	4,660.40	107.29	44.439		
9,500.00	6,568.26	6,892.36	6,596.50	118.49	40.03	-136.37	-3,031.72	1,388.73	4,834.64	4,727.00	107.64	44.917		
9,600.00	6,629.62	6,949.51	6,653.65	119.94	40.13	-136.87	-3,031.98	1,388.09	4,901.95	4,793.99	107.96	45.404		
9,700.00	6,690.97	7,002.30	6,706.43	121.40	40.23	-137.32	-3,032.19	1,387.60	4,969.69	4,861.42	108.27	45.902		
9,800.00	6,752.33	7,055.43	6,759.56	122.85	40.33	-137.76	-3,032.31	1,387.16	5,037.85	4,929.28	108.57	46.402		
9,900.00	6,813.68	7,109.00	6,813.13	124.31	40.43	-138.21	-3,032.22	1,386.66	5,106.42	4,997.56	108.87	46.905		
10,000.00	6,875.04	7,234.63	6,938.73	125.76	40.65	-139.23	-3,031.89	1,384.34	5,174.80	5,065.29	109.52	47.251		
10,100.00	6,936.39	7,304.54	7,008.63	127.22	40.78	-139.78	-3,032.39	1,383.08	5,243.19	5,133.28	109.91	47.706		
10,200.00	6,997.75	7,373.60	7,077.67	128.67	40.93	-140.29	-3,033.62	1,382.30	5,311.75	5,201.43	110.32	48.150		
10,300.00	7,059.10	7,440.23	7,144.28	130.13	41.07	-140.77	-3,035.35	1,381.91	5,380.50	5,269.76	110.73	48.589		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 99-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	7,118.86	7,501.66	7,205.69	131.62	41.21	-153.50	-3,037.11	1,381.66	5,453.20	5,342.05	111.14	49.065		
10,500.00	7,173.55	7,552.34	7,256.35	133.17	41.32	-169.91	-3,038.47	1,381.43	5,534.13	5,422.62	111.50	49.632		
10,600.00	7,221.49	7,593.99	7,297.99	134.72	41.41	170.21	-3,039.47	1,381.20	5,620.79	5,508.99	111.80	50.276		
10,700.00	7,261.21	7,625.63	7,329.62	136.22	41.48	147.02	-3,040.16	1,381.04	5,710.55	5,598.54	112.01	50.983		
10,800.00	7,291.51	7,649.70	7,353.69	137.61	41.54	124.22	-3,040.66	1,380.94	5,800.76	5,688.62	112.14	51.727		
10,900.00	7,311.47	7,671.00	7,374.98	138.86	41.58	106.35	-3,041.07	1,380.86	5,888.86	5,776.62	112.24	52.468		
11,000.00	7,320.48	7,673.70	7,377.68	139.92	41.59	94.06	-3,041.12	1,380.85	5,972.38	5,860.17	112.21	53.224		
11,100.00	7,321.00	7,674.68	7,378.65	140.82	41.59	91.33	-3,041.14	1,380.85	6,051.17	5,938.98	112.19	53.936		
11,200.00	7,321.00	7,675.07	7,379.04	141.74	41.59	91.34	-3,041.15	1,380.85	6,130.22	6,018.04	112.18	54.645		
11,300.00	7,321.00	7,675.46	7,379.44	142.69	41.59	91.34	-3,041.16	1,380.85	6,209.88	6,097.70	112.18	55.356		
11,400.00	7,321.00	7,675.86	7,379.84	143.67	41.59	91.35	-3,041.17	1,380.85	6,290.12	6,177.93	112.19	56.067		
11,500.00	7,321.00	7,676.26	7,380.24	144.68	41.59	91.36	-3,041.17	1,380.85	6,370.91	6,258.71	112.21	56.779		
11,600.00	7,321.00	7,676.67	7,380.65	145.73	41.60	91.36	-3,041.18	1,380.84	6,452.25	6,340.02	112.23	57.492		
11,700.00	7,321.00	7,677.08	7,381.06	146.80	41.60	91.37	-3,041.19	1,380.84	6,534.10	6,421.84	112.26	58.206		
11,800.00	7,321.00	7,677.50	7,381.48	147.91	41.60	91.37	-3,041.20	1,380.84	6,616.45	6,504.16	112.30	58.920		
11,900.00	7,321.00	7,677.92	7,381.90	149.05	41.60	91.38	-3,041.20	1,380.84	6,699.29	6,586.95	112.34	59.635		
12,000.00	7,321.00	7,678.35	7,382.32	150.22	41.60	91.39	-3,041.21	1,380.84	6,782.58	6,670.20	112.38	60.351		
12,100.00	7,321.00	7,678.78	7,382.75	151.42	41.60	91.39	-3,041.22	1,380.84	6,866.32	6,753.89	112.44	61.068		
12,200.00	7,321.00	7,679.21	7,383.19	152.66	41.60	91.40	-3,041.23	1,380.83	6,950.49	6,838.00	112.49	61.786		
12,300.00	7,321.00	7,679.65	7,383.63	153.93	41.60	91.41	-3,041.24	1,380.83	7,035.08	6,922.52	112.55	62.504		
12,400.00	7,321.00	7,680.10	7,384.07	155.22	41.60	91.41	-3,041.24	1,380.83	7,120.06	7,007.44	112.62	63.223		
12,500.00	7,321.00	7,680.55	7,384.53	156.55	41.60	91.42	-3,041.25	1,380.83	7,205.43	7,092.75	112.69	63.942		
12,600.00	7,321.00	7,681.01	7,384.98	157.91	41.60	91.43	-3,041.26	1,380.83	7,291.17	7,178.42	112.76	64.662		
12,700.00	7,321.00	7,681.47	7,385.44	159.31	41.61	91.44	-3,041.27	1,380.83	7,377.27	7,264.44	112.83	65.383		
12,800.00	7,321.00	7,681.93	7,385.91	160.73	41.61	91.44	-3,041.28	1,380.82	7,463.72	7,350.81	112.91	66.105		
12,900.00	7,321.00	7,682.41	7,386.38	162.18	41.61	91.45	-3,041.29	1,380.82	7,550.50	7,437.52	112.99	66.827		
13,000.00	7,321.00	7,682.88	7,386.86	163.67	41.61	91.46	-3,041.30	1,380.82	7,637.61	7,524.54	113.07	67.549		
13,100.00	7,321.00	7,683.37	7,387.34	165.18	41.61	91.46	-3,041.31	1,380.82	7,725.03	7,611.88	113.15	68.272		
13,200.00	7,321.00	7,683.86	7,387.83	166.73	41.61	91.47	-3,041.31	1,380.82	7,812.75	7,699.51	113.23	68.996		
13,300.00	7,321.00	7,684.35	7,388.33	168.30	41.61	91.48	-3,041.32	1,380.82	7,900.76	7,787.44	113.32	69.720		
13,400.00	7,321.00	7,684.85	7,388.83	169.90	41.61	91.49	-3,041.33	1,380.81	7,989.05	7,875.64	113.41	70.445		
13,500.00	7,321.00	7,685.36	7,389.34	171.53	41.61	91.50	-3,041.34	1,380.81	8,077.62	7,964.12	113.50	71.171		
13,600.00	7,321.00	7,685.87	7,389.85	173.19	41.62	91.50	-3,041.35	1,380.81	8,166.45	8,052.86	113.59	71.896		
13,700.00	7,321.00	7,686.39	7,390.37	174.88	41.62	91.51	-3,041.36	1,380.81	8,255.53	8,141.86	113.68	72.623		
13,800.00	7,321.00	7,686.92	7,390.90	176.59	41.62	91.52	-3,041.37	1,380.80	8,344.87	8,231.10	113.77	73.350		
13,900.00	7,321.00	7,687.45	7,391.43	178.33	41.62	91.53	-3,041.38	1,380.80	8,434.44	8,320.58	113.86	74.077		
14,000.00	7,321.00	7,687.99	7,391.97	180.09	41.62	91.54	-3,041.39	1,380.80	8,524.24	8,410.29	113.95	74.804		
14,100.00	7,321.00	7,688.54	7,392.51	181.88	41.62	91.54	-3,041.40	1,380.80	8,614.27	8,500.23	114.05	75.533		
14,200.00	7,321.00	7,689.09	7,393.07	183.70	41.62	91.55	-3,041.41	1,380.80	8,704.52	8,590.38	114.14	76.261		
14,300.00	7,321.00	7,689.66	7,393.63	185.54	41.62	91.56	-3,041.42	1,380.79	8,794.98	8,680.74	114.24	76.990		
14,400.00	7,321.00	7,690.22	7,394.20	187.40	41.62	91.57	-3,041.43	1,380.79	8,885.64	8,771.31	114.33	77.719		
14,500.00	7,321.00	7,690.80	7,394.77	189.29	41.63	91.58	-3,041.44	1,380.79	8,976.50	8,862.07	114.43	78.449		
14,600.00	7,321.00	7,691.38	7,395.35	191.20	41.63	91.59	-3,041.45	1,380.79	9,067.55	8,953.03	114.52	79.179		
14,700.00	7,321.00	7,691.97	7,395.94	193.13	41.63	91.60	-3,041.46	1,380.78	9,158.79	9,044.18	114.62	79.909		
14,800.00	7,321.00	7,692.57	7,396.54	195.08	41.63	91.61	-3,041.47	1,380.78	9,250.21	9,135.50	114.71	80.639		
14,900.00	7,321.00	7,693.18	7,397.15	197.05	41.63	91.62	-3,041.48	1,380.78	9,341.81	9,227.00	114.81	81.370		
15,000.00	7,321.00	7,693.79	7,397.76	199.04	41.63	91.62	-3,041.50	1,380.78	9,433.57	9,318.67	114.90	82.101		
15,100.00	7,321.00	7,694.41	7,398.39	201.06	41.63	91.63	-3,041.51	1,380.77	9,525.51	9,410.51	115.00	82.832		
15,200.00	7,321.00	7,695.05	7,399.02	203.09	41.64	91.64	-3,041.52	1,380.77	9,617.60	9,502.51	115.09	83.564		
15,300.00	7,321.00	7,695.69	7,399.66	205.14	41.64	91.65	-3,041.53	1,380.77	9,709.85	9,594.66	115.19	84.296		
15,400.00	7,321.00	7,696.34	7,400.31	207.21	41.64	91.66	-3,041.54	1,380.76	9,802.25	9,686.97	115.28	85.028		
15,500.00	7,321.00	7,696.99	7,400.97	209.29	41.64	91.67	-3,041.55	1,380.76	9,894.80	9,779.42	115.38	85.760		

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 MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 36-T7N-R67W - EXIST HZ BALDRIDGE 1-1 - Wellbore #1 - Wellbore #1										Offset Site Error:	0.00 usft
Survey Program: 99-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	
15,600.00	7,321.00	7,697.66	7,401.63	211.39	41.64	91.68	-3,041.57	1,380.76	9,987.49	9,872.02	115.47	86.492	
15,700.00	7,321.00	7,698.34	7,402.31	213.51	41.64	91.69	-3,041.58	1,380.75	10,080.33	9,964.76	115.57	87.224	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 98-MWVD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	87.96	87.95	0.27	0.14	-176.63	-2,123.17	-125.03	2,126.91	2,126.51	0.40	5,294.657		
200.00	200.00	182.08	182.07	0.63	0.45	-176.59	-2,122.41	-126.28	2,126.20	2,125.12	1.08	1,974.540		
300.00	299.98	277.00	276.98	0.97	0.79	-19.85	-2,121.89	-127.04	2,124.05	2,122.29	1.76	1,206.677		
400.00	399.84	367.00	366.98	1.32	1.09	-19.93	-2,122.06	-126.71	2,119.28	2,116.87	2.41	877.665		
500.00	499.45	414.82	414.79	1.68	1.26	-20.03	-2,122.92	-126.25	2,112.65	2,109.72	2.93	720.870		
600.00	598.70	458.00	457.94	2.07	1.41	-20.15	-2,124.44	-125.71	2,104.93	2,101.49	3.44	612.482		
700.00	697.47	550.00	549.77	2.48	1.73	-20.41	-2,129.59	-123.70	2,095.68	2,091.55	4.13	507.809		
800.00	795.62	616.00	615.56	2.93	1.96	-20.68	-2,134.38	-121.57	2,084.59	2,079.86	4.74	440.117		
900.00	893.06	688.94	688.20	3.41	2.23	-21.03	-2,140.20	-118.44	2,071.23	2,065.85	5.38	384.647		
1,000.00	989.64	755.12	754.01	3.93	2.48	-21.41	-2,146.43	-115.36	2,056.12	2,050.10	6.02	341.441		
1,100.00	1,085.27	832.00	830.26	4.50	2.78	-21.91	-2,155.09	-110.79	2,039.58	2,032.86	6.72	303.681		
1,200.00	1,179.82	882.69	880.41	5.11	2.99	-22.34	-2,161.63	-107.32	2,021.44	2,014.11	7.33	275.804		
1,300.00	1,273.17	948.17	945.07	5.77	3.26	-22.89	-2,170.95	-102.81	2,001.85	1,993.83	8.02	249.659		
1,400.00	1,365.21	1,019.00	1,014.80	6.48	3.57	-23.54	-2,182.13	-97.48	1,980.81	1,972.06	8.75	226.361		
1,500.00	1,455.84	1,082.54	1,077.16	7.23	3.85	-24.22	-2,193.02	-91.98	1,958.23	1,948.74	9.48	206.489		
1,600.00	1,544.94	1,149.04	1,142.19	8.04	4.16	-25.00	-2,205.18	-85.30	1,934.10	1,923.85	10.25	188.659		
1,700.00	1,632.39	1,207.00	1,198.68	8.90	4.44	-25.78	-2,216.54	-78.97	1,908.69	1,897.67	11.02	173.232		
1,800.00	1,718.11	1,268.46	1,258.28	9.81	4.75	-26.68	-2,229.53	-71.55	1,882.27	1,870.43	11.84	159.033		
1,900.00	1,801.97	1,323.90	1,311.73	10.77	5.04	-27.59	-2,242.23	-64.08	1,855.11	1,842.45	12.66	146.498		
2,000.00	1,883.88	1,394.00	1,378.85	11.78	5.42	-28.77	-2,259.60	-53.75	1,827.44	1,813.83	13.60	134.324		
2,100.00	1,963.74	1,435.84	1,418.68	12.84	5.67	-29.65	-2,270.61	-47.17	1,798.99	1,784.54	14.45	124.488		
2,200.00	2,041.45	1,488.00	1,468.10	13.95	5.98	-30.74	-2,284.92	-38.59	1,770.09	1,754.70	15.39	114.983		
2,300.00	2,116.92	1,551.09	1,527.53	15.10	6.37	-32.09	-2,303.07	-27.69	1,740.70	1,724.25	16.46	105.777		
2,400.00	2,190.05	1,609.55	1,582.27	16.31	6.75	-33.45	-2,320.67	-17.11	1,711.00	1,693.45	17.55	97.481		
2,500.00	2,260.76	1,675.00	1,643.21	17.56	7.19	-35.04	-2,341.12	-4.82	1,681.02	1,662.26	18.76	89.612		
2,600.00	2,328.95	1,727.14	1,691.51	18.85	7.55	-36.45	-2,358.01	5.17	1,650.89	1,630.93	19.95	82.740		
2,700.00	2,394.55	1,786.31	1,746.08	20.19	7.97	-38.08	-2,377.85	16.56	1,620.84	1,599.57	21.27	76.207		
2,800.00	2,457.48	1,849.70	1,804.34	21.57	8.43	-39.89	-2,399.71	28.66	1,590.83	1,568.13	22.70	70.073		
2,900.00	2,518.85	1,924.02	1,872.52	22.98	8.98	-41.64	-2,425.83	42.57	1,561.84	1,537.53	24.30	64.268		
3,000.00	2,580.20	1,997.54	1,939.97	24.39	9.53	-43.37	-2,451.78	56.07	1,535.04	1,509.07	25.97	59.111		
3,100.00	2,641.56	2,073.51	2,009.57	25.81	10.10	-45.20	-2,478.64	70.38	1,510.77	1,483.04	27.73	54.472		
3,200.00	2,702.91	2,158.46	2,087.59	27.23	10.74	-47.30	-2,508.11	86.50	1,488.50	1,458.84	29.66	50.186		
3,300.00	2,764.27	2,223.49	2,147.28	28.65	11.24	-48.94	-2,530.79	98.86	1,468.97	1,437.49	31.48	46.667		
3,400.00	2,825.62	2,311.44	2,227.96	30.08	11.91	-51.17	-2,561.65	115.41	1,452.19	1,418.61	33.58	43.244		
3,500.00	2,886.98	2,422.37	2,330.45	31.51	12.74	-54.04	-2,599.06	135.41	1,436.91	1,400.92	35.98	39.931		
3,600.00	2,948.33	2,501.25	2,403.78	32.95	13.32	-56.13	-2,624.58	149.31	1,423.35	1,385.21	38.15	37.313		
3,700.00	3,009.68	2,581.56	2,478.53	34.38	13.90	-58.27	-2,650.35	163.40	1,412.56	1,372.18	40.38	34.981		
3,800.00	3,071.04	2,657.47	2,549.24	35.82	14.45	-60.31	-2,674.74	176.34	1,404.57	1,361.95	42.61	32.960		
3,900.00	3,132.39	2,725.44	2,612.52	37.25	14.95	-62.14	-2,696.63	188.04	1,399.79	1,354.99	44.79	31.250		
3,974.48	3,178.09	2,769.36	2,653.27	38.33	15.28	-63.33	-2,711.05	195.78	1,398.69	1,352.34	46.35	30.179 CC		
4,000.00	3,193.75	2,784.45	2,667.24	38.69	15.39	-63.73	-2,716.08	198.49	1,398.81	1,351.94	46.88	29.839 ES		
4,100.00	3,255.10	2,853.56	2,731.07	40.13	15.91	-65.59	-2,739.40	211.03	1,401.60	1,352.51	49.09	28.554		
4,200.00	3,316.46	2,939.95	2,810.87	41.58	16.57	-67.89	-2,768.58	226.67	1,407.45	1,355.93	51.52	27.321		
4,300.00	3,377.81	3,036.25	2,900.37	43.02	17.28	-70.46	-2,800.01	243.29	1,415.20	1,361.13	54.07	26.172		
4,400.00	3,439.17	3,113.07	2,971.98	44.46	17.84	-72.50	-2,824.75	255.93	1,425.24	1,368.89	56.35	25.292		
4,500.00	3,500.52	3,174.00	3,028.70	45.91	18.29	-74.10	-2,844.44	266.33	1,438.68	1,380.30	58.37	24.645		
4,600.00	3,561.88	3,246.24	3,095.81	47.35	18.83	-75.98	-2,867.96	279.03	1,455.42	1,394.91	60.51	24.053		
4,700.00	3,623.23	3,324.41	3,168.40	48.80	19.41	-77.98	-2,893.43	292.91	1,475.05	1,412.38	62.68	23.534		
4,800.00	3,684.59	3,401.19	3,239.88	50.24	19.97	-79.93	-2,917.94	306.50	1,497.12	1,432.34	64.77	23.114		
4,900.00	3,745.94	3,477.84	3,311.37	51.69	20.53	-81.86	-2,941.88	320.32	1,521.81	1,455.01	66.80	22.782		
5,000.00	3,807.30	3,564.12	3,392.09	53.14	21.15	-83.99	-2,968.31	335.48	1,548.52	1,479.61	68.91	22.473		
5,100.00	3,868.65	3,636.51	3,460.02	54.58	21.67	-85.76	-2,989.87	348.19	1,577.46	1,506.73	70.73	22.303		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 98-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	3,930.01	3,700.63	3,520.22	56.03	22.12	-87.31	-3,008.69	359.73	1,608.97	1,536.62	72.34	22.241	
5,300.00	3,991.36	3,803.25	3,616.62	57.48	22.84	-89.71	-3,038.68	378.10	1,642.74	1,568.24	74.50	22.049	
5,400.00	4,052.72	3,887.16	3,695.99	58.93	23.42	-91.64	-3,062.30	391.63	1,676.99	1,600.70	76.29	21.981 SF	
5,500.00	4,114.07	3,952.72	3,757.84	60.38	23.87	-93.09	-3,081.32	402.22	1,713.38	1,635.64	77.74	22.040	
5,600.00	4,175.43	4,017.00	3,818.19	61.83	24.32	-94.46	-3,100.63	412.99	1,752.10	1,672.99	79.11	22.147	
5,700.00	4,236.78	4,072.18	3,869.72	63.28	24.72	-95.58	-3,117.87	422.62	1,793.08	1,712.79	80.29	22.332	
5,800.00	4,298.14	4,132.33	3,925.51	64.73	25.18	-96.76	-3,137.49	433.58	1,836.21	1,754.69	81.51	22.527	
5,900.00	4,359.49	4,195.51	3,983.74	66.18	25.66	-97.93	-3,158.91	445.50	1,881.18	1,798.41	82.77	22.729	
6,000.00	4,420.85	4,265.97	4,048.27	67.63	26.23	-99.17	-3,183.71	459.12	1,927.70	1,843.55	84.14	22.910	
6,100.00	4,482.20	4,361.77	4,135.62	69.08	27.00	-100.76	-3,218.52	477.47	1,975.16	1,889.16	86.00	22.967	
6,200.00	4,543.55	4,436.71	4,204.02	70.53	27.61	-101.95	-3,245.91	491.13	2,022.82	1,935.39	87.43	23.135	
6,300.00	4,604.91	4,499.15	4,260.85	71.98	28.11	-102.90	-3,268.90	502.97	2,071.90	1,983.29	88.60	23.384	
6,400.00	4,666.26	4,570.86	4,326.16	73.44	28.70	-103.97	-3,295.07	516.84	2,122.10	2,032.17	89.93	23.596	
6,500.00	4,727.62	4,672.41	4,419.01	74.89	29.51	-105.44	-3,331.45	535.98	2,172.77	2,080.96	91.81	23.665	
6,600.00	4,788.97	4,754.44	4,493.92	76.34	30.18	-106.56	-3,361.38	550.89	2,223.57	2,130.26	93.31	23.831	
6,700.00	4,850.33	4,843.22	4,574.79	77.79	30.89	-107.71	-3,394.38	566.78	2,274.74	2,179.82	94.92	23.964	
6,800.00	4,911.68	4,925.28	4,650.19	79.24	31.54	-108.77	-3,423.50	580.92	2,326.22	2,229.87	96.36	24.142	
6,900.00	4,973.04	4,996.74	4,716.38	80.70	32.08	-109.70	-3,447.60	592.96	2,378.30	2,280.76	97.54	24.382	
7,000.00	5,034.39	5,062.53	4,777.64	82.15	32.57	-110.55	-3,468.86	604.11	2,431.29	2,332.70	98.59	24.662	
7,100.00	5,095.75	5,126.86	4,837.79	83.60	33.03	-111.38	-3,488.82	615.10	2,485.21	2,385.64	99.57	24.960	
7,200.00	5,157.10	5,215.37	4,920.90	85.05	33.66	-112.50	-3,515.34	630.02	2,539.77	2,438.83	100.94	25.162	
7,300.00	5,218.46	5,304.10	5,004.56	86.51	34.27	-113.60	-3,541.33	644.19	2,594.40	2,492.13	102.27	25.368	
7,400.00	5,279.81	5,450.12	5,143.98	87.96	35.19	-115.45	-3,579.89	663.76	2,648.33	2,543.96	104.37	25.375	
7,500.00	5,341.17	5,524.91	5,216.47	89.41	35.61	-116.43	-3,596.43	671.83	2,702.01	2,596.77	105.25	25.673	
7,600.00	5,402.52	5,615.76	5,305.08	90.87	36.08	-117.63	-3,614.45	680.56	2,756.11	2,649.86	106.25	25.939	
7,700.00	5,463.88	5,695.40	5,383.26	92.32	36.45	-118.71	-3,628.15	687.07	2,810.58	2,703.56	107.02	26.261	
7,800.00	5,525.23	5,780.62	5,467.44	93.77	36.80	-119.87	-3,640.16	692.71	2,865.51	2,757.76	107.75	26.594	
7,900.00	5,586.59	5,867.49	5,553.58	95.23	37.14	-121.07	-3,650.41	697.14	2,920.82	2,812.42	108.41	26.944	
8,000.00	5,647.94	5,951.41	5,636.91	96.68	37.44	-122.21	-3,659.69	700.62	2,976.51	2,867.52	108.99	27.311	
8,100.00	5,709.30	6,023.96	5,709.07	98.13	37.68	-123.19	-3,666.86	702.96	3,032.70	2,923.27	109.42	27.715	
8,200.00	5,770.65	6,090.69	5,775.52	99.59	37.90	-124.08	-3,672.67	704.76	3,089.65	2,979.87	109.78	28.145	
8,300.00	5,832.01	6,164.42	5,849.02	101.04	38.13	-125.06	-3,678.34	706.31	3,147.25	3,037.10	110.15	28.573	
8,400.00	5,893.36	6,225.67	5,910.12	102.49	38.31	-125.86	-3,682.48	707.27	3,205.54	3,095.15	110.39	29.039	
8,500.00	5,954.72	6,281.40	5,965.75	103.95	38.46	-126.58	-3,685.72	708.01	3,264.67	3,154.10	110.57	29.527	
8,600.00	6,016.07	6,329.25	6,013.54	105.40	38.59	-127.20	-3,687.96	708.61	3,324.77	3,214.11	110.66	30.044	
8,700.00	6,077.43	6,375.75	6,060.01	106.86	38.71	-127.80	-3,689.63	709.19	3,385.87	3,275.14	110.73	30.579	
8,800.00	6,138.78	6,420.76	6,105.00	108.31	38.82	-128.38	-3,690.73	709.74	3,447.94	3,337.19	110.75	31.132	
8,900.00	6,200.13	6,475.06	6,159.29	109.76	38.94	-129.07	-3,691.44	710.36	3,510.96	3,400.13	110.82	31.680	
9,000.00	6,261.49	6,558.10	6,242.33	111.22	39.13	-130.11	-3,692.45	710.98	3,574.40	3,463.33	111.07	32.181	
9,100.00	6,322.84	6,625.24	6,309.46	112.67	39.28	-130.92	-3,693.34	711.26	3,638.23	3,527.01	111.22	32.712	
9,200.00	6,384.20	6,688.82	6,373.03	114.13	39.43	-131.68	-3,694.14	711.40	3,702.53	3,591.19	111.34	33.254	
9,300.00	6,445.55	6,754.92	6,439.14	115.58	39.57	-132.45	-3,694.79	711.42	3,767.35	3,655.88	111.47	33.796	
9,400.00	6,506.91	6,833.83	6,518.04	117.03	39.75	-133.35	-3,695.72	711.25	3,832.49	3,720.80	111.69	34.313	
9,500.00	6,568.26	6,896.44	6,580.64	118.49	39.88	-134.04	-3,696.50	710.99	3,897.98	3,786.17	111.81	34.864	
9,600.00	6,629.62	6,971.07	6,655.27	119.94	40.04	-134.85	-3,697.41	710.54	3,963.86	3,851.86	112.00	35.391	
9,700.00	6,690.97	7,049.18	6,733.36	121.40	40.22	-135.67	-3,698.74	709.95	4,029.90	3,917.67	112.23	35.907	
9,800.00	6,752.33	7,120.99	6,805.15	122.85	40.38	-136.39	-3,700.29	709.38	4,096.17	3,983.74	112.44	36.431	
9,900.00	6,813.68	7,186.23	6,870.37	124.31	40.54	-137.03	-3,701.93	708.94	4,162.76	4,050.15	112.61	36.966	
10,000.00	6,875.04	7,246.06	6,930.18	125.76	40.69	-137.60	-3,703.64	708.68	4,229.72	4,116.95	112.77	37.508	
10,100.00	6,936.39	7,308.95	6,993.03	127.22	40.85	-138.18	-3,705.75	708.74	4,297.09	4,184.13	112.97	38.039	
10,200.00	6,997.75	7,409.03	7,092.98	128.67	41.13	-139.05	-3,710.67	709.53	4,364.53	4,251.03	113.50	38.454	
10,300.00	7,059.10	7,507.33	7,191.09	130.13	41.42	-139.86	-3,716.91	710.14	4,431.53	4,317.47	114.05	38.854	

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 98-MWVD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,400.00	7,118.86	7,554.22	7,237.90	131.62	41.55	-152.14	-3,719.42	710.06	4,502.73	4,388.50	114.23	39.419	
10,500.00	7,173.55	7,603.29	7,286.94	133.17	41.68	-168.00	-3,721.39	709.65	4,582.70	4,468.20	114.50	40.024	
10,600.00	7,221.49	7,653.38	7,336.99	134.72	41.81	172.84	-3,723.07	709.01	4,668.76	4,553.92	114.84	40.653	
10,700.00	7,261.21	7,690.68	7,374.27	136.22	41.90	150.21	-3,724.14	708.40	4,758.27	4,643.11	115.15	41.322	
10,800.00	7,291.51	7,716.87	7,400.45	137.61	41.96	127.19	-3,724.82	707.97	4,848.63	4,733.21	115.43	42.006	
10,900.00	7,311.47	7,734.53	7,418.10	138.86	42.00	108.44	-3,725.25	707.68	4,937.31	4,821.62	115.69	42.676	
11,000.00	7,320.48	7,743.22	7,426.78	139.92	42.02	95.47	-3,725.46	707.54	5,021.89	4,905.93	115.95	43.309	
11,100.00	7,321.00	7,744.94	7,428.51	140.82	42.03	92.57	-3,725.50	707.51	5,102.10	4,985.88	116.22	43.902	
11,200.00	7,321.00	7,746.24	7,429.81	141.74	42.03	92.59	-3,725.53	707.49	5,182.65	5,066.18	116.48	44.494	
11,300.00	7,321.00	7,747.54	7,431.11	142.69	42.03	92.62	-3,725.56	707.47	5,263.88	5,147.14	116.74	45.091	
11,400.00	7,321.00	7,748.84	7,432.41	143.67	42.04	92.64	-3,725.59	707.45	5,345.74	5,228.75	116.99	45.693	
11,500.00	7,321.00	7,750.14	7,433.70	144.68	42.04	92.67	-3,725.62	707.43	5,428.21	5,310.97	117.24	46.298	
11,600.00	7,321.00	7,751.44	7,435.00	145.73	42.04	92.69	-3,725.64	707.41	5,511.26	5,393.77	117.49	46.908	
11,700.00	7,321.00	7,752.73	7,436.30	146.80	42.05	92.71	-3,725.67	707.38	5,594.86	5,477.13	117.73	47.522	
11,800.00	7,321.00	7,754.03	7,437.59	147.91	42.05	92.74	-3,725.70	707.36	5,678.99	5,561.02	117.97	48.139	
11,900.00	7,321.00	7,755.32	7,438.89	149.05	42.05	92.76	-3,725.73	707.34	5,763.63	5,645.43	118.21	48.760	
12,000.00	7,321.00	7,756.62	7,440.18	150.22	42.05	92.79	-3,725.76	707.32	5,848.76	5,730.32	118.43	49.384	
12,100.00	7,321.00	7,757.91	7,441.47	151.42	42.06	92.81	-3,725.79	707.30	5,934.35	5,815.69	118.66	50.011	
12,200.00	7,321.00	7,759.20	7,442.77	152.66	42.06	92.84	-3,725.82	707.28	6,020.38	5,901.50	118.88	50.642	
12,300.00	7,321.00	7,760.50	7,444.06	153.93	42.06	92.86	-3,725.84	707.26	6,106.83	5,987.74	119.10	51.276	
12,400.00	7,321.00	7,761.79	7,445.35	155.22	42.07	92.88	-3,725.87	707.24	6,193.70	6,074.39	119.31	51.913	
12,500.00	7,321.00	7,763.08	7,446.64	156.55	42.07	92.91	-3,725.90	707.22	6,280.95	6,161.44	119.52	52.553	
12,600.00	7,321.00	7,775.00	7,458.56	157.91	42.10	93.13	-3,726.15	707.02	6,368.59	6,248.81	119.79	53.166	
12,700.00	7,321.00	7,775.00	7,458.56	159.31	42.10	93.13	-3,726.15	707.02	6,456.58	6,336.60	119.98	53.815	
12,800.00	7,321.00	7,775.00	7,458.56	160.73	42.10	93.13	-3,726.15	707.02	6,544.91	6,424.74	120.17	54.466	
12,900.00	7,321.00	7,775.00	7,458.56	162.18	42.10	93.13	-3,726.15	707.02	6,633.57	6,513.22	120.35	55.119	
13,000.00	7,321.00	7,775.00	7,458.56	163.67	42.10	93.13	-3,726.15	707.02	6,722.55	6,602.02	120.53	55.775	
13,100.00	7,321.00	7,775.00	7,458.56	165.18	42.10	93.13	-3,726.15	707.02	6,811.84	6,691.13	120.71	56.433	
13,200.00	7,321.00	7,775.00	7,458.56	166.73	42.10	93.13	-3,726.15	707.02	6,901.42	6,780.54	120.88	57.093	
13,300.00	7,321.00	7,775.00	7,458.56	168.30	42.10	93.13	-3,726.15	707.02	6,991.28	6,870.23	121.05	57.755	
13,400.00	7,321.00	7,775.00	7,458.56	169.90	42.10	93.13	-3,726.15	707.02	7,081.41	6,960.20	121.22	58.419	
13,500.00	7,321.00	7,775.00	7,458.56	171.53	42.10	93.13	-3,726.15	707.02	7,171.81	7,050.43	121.38	59.086	
13,600.00	7,321.00	7,775.00	7,458.56	173.19	42.10	93.13	-3,726.15	707.02	7,262.46	7,140.92	121.54	59.754	
13,700.00	7,321.00	7,775.00	7,458.56	174.88	42.10	93.13	-3,726.15	707.02	7,353.35	7,231.65	121.70	60.423	
13,800.00	7,321.00	7,775.00	7,458.56	176.59	42.10	93.13	-3,726.15	707.02	7,444.47	7,322.62	121.85	61.095	
13,900.00	7,321.00	7,775.00	7,458.56	178.33	42.10	93.13	-3,726.15	707.02	7,535.82	7,413.82	122.00	61.768	
14,000.00	7,321.00	7,775.00	7,458.56	180.09	42.10	93.13	-3,726.15	707.02	7,627.39	7,505.24	122.15	62.443	
14,100.00	7,321.00	7,775.00	7,458.56	181.88	42.10	93.13	-3,726.15	707.02	7,719.16	7,596.87	122.30	63.119	
14,200.00	7,321.00	7,775.00	7,458.56	183.70	42.10	93.13	-3,726.15	707.02	7,811.14	7,688.70	122.44	63.797	
14,300.00	7,321.00	7,775.00	7,458.56	185.54	42.10	93.13	-3,726.15	707.02	7,903.31	7,780.73	122.58	64.476	
14,400.00	7,321.00	7,775.00	7,458.56	187.40	42.10	93.13	-3,726.15	707.02	7,995.67	7,872.95	122.72	65.156	
14,500.00	7,321.00	7,775.00	7,458.56	189.29	42.10	93.13	-3,726.15	707.02	8,088.21	7,965.36	122.85	65.838	
14,600.00	7,321.00	7,775.00	7,458.56	191.20	42.10	93.13	-3,726.15	707.02	8,180.93	8,057.95	122.98	66.520	
14,700.00	7,321.00	7,775.00	7,458.56	193.13	42.10	93.13	-3,726.15	707.02	8,273.82	8,150.70	123.11	67.204	
14,800.00	7,321.00	7,775.00	7,458.56	195.08	42.10	93.13	-3,726.15	707.02	8,366.87	8,243.63	123.24	67.889	
14,900.00	7,321.00	7,775.00	7,458.56	197.05	42.10	93.13	-3,726.15	707.02	8,460.08	8,336.71	123.37	68.576	
15,000.00	7,321.00	7,775.00	7,458.56	199.04	42.10	93.13	-3,726.15	707.02	8,553.44	8,429.95	123.49	69.263	
15,100.00	7,321.00	7,775.00	7,458.56	201.06	42.10	93.13	-3,726.15	707.02	8,646.95	8,523.34	123.61	69.951	
15,200.00	7,321.00	7,775.00	7,458.56	203.09	42.10	93.13	-3,726.15	707.02	8,740.61	8,616.87	123.73	70.640	
15,300.00	7,321.00	7,775.00	7,458.56	205.14	42.10	93.13	-3,726.15	707.02	8,834.40	8,710.55	123.85	71.330	
15,400.00	7,321.00	7,775.00	7,458.56	207.21	42.10	93.13	-3,726.15	707.02	8,928.33	8,804.36	123.97	72.021	
15,500.00	7,321.00	7,775.00	7,458.56	209.29	42.10	93.13	-3,726.15	707.02	9,022.39	8,898.30	124.08	72.712	

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 98-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	
15,600.00	7,321.00	7,775.00	7,458.56	211.39	42.10	93.13	-3,726.15	707.02	9,116.57	8,992.38	124.20	73.404	
15,700.00	7,321.00	7,775.00	7,458.56	213.51	42.10	93.13	-3,726.15	707.02	9,210.88	9,086.57	124.31	74.097	
15,800.00	7,321.00	7,775.00	7,458.56	215.65	42.10	93.13	-3,726.15	707.02	9,305.31	9,180.89	124.42	74.791	
15,900.00	7,321.00	7,775.00	7,458.56	217.80	42.10	93.13	-3,726.15	707.02	9,399.85	9,275.33	124.53	75.485	
16,000.00	7,321.00	7,775.00	7,458.56	219.96	42.10	93.13	-3,726.15	707.02	9,494.51	9,369.87	124.63	76.180	
16,100.00	7,321.00	7,775.00	7,458.56	222.14	42.10	93.13	-3,726.15	707.02	9,589.27	9,464.53	124.74	76.876	
16,200.00	7,321.00	7,775.00	7,458.56	224.34	42.10	93.13	-3,726.15	707.02	9,684.14	9,559.30	124.84	77.572	
16,300.00	7,321.00	7,775.00	7,458.56	226.55	42.10	93.13	-3,726.15	707.02	9,779.11	9,654.16	124.94	78.269	
16,400.00	7,321.00	7,775.00	7,458.56	228.77	42.10	93.13	-3,726.15	707.02	9,874.18	9,749.13	125.04	78.966	
16,500.00	7,321.00	7,775.00	7,458.56	231.00	42.10	93.13	-3,726.15	707.02	9,969.34	9,844.20	125.14	79.663	
16,600.00	7,321.00	7,775.00	7,458.56	233.25	42.10	93.13	-3,726.15	707.02	10,064.60	9,939.36	125.24	80.361	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	89.57	89.57	0.27	0.14	-176.24	-2,123.49	-139.40	2,128.15	2,127.74	0.41	5,185.763	
200.00	200.00	190.07	190.06	0.63	0.42	-176.23	-2,122.33	-139.82	2,127.03	2,125.97	1.05	2,023.294	
300.00	299.98	273.69	273.68	0.97	0.72	-19.49	-2,121.80	-140.34	2,124.79	2,123.10	1.69	1,255.143	
400.00	399.84	365.55	365.53	1.32	1.04	-19.55	-2,121.86	-140.97	2,119.96	2,117.60	2.36	896.980	
500.00	499.45	439.24	439.22	1.68	1.30	-19.64	-2,122.26	-141.40	2,112.39	2,109.41	2.98	709.858	
600.00	598.70	504.74	504.70	2.07	1.53	-19.78	-2,123.77	-141.49	2,103.18	2,099.62	3.56	590.179	
700.00	697.47	580.00	579.91	2.48	1.79	-19.99	-2,126.54	-140.84	2,092.04	2,087.85	4.19	499.174	
800.00	795.62	668.31	668.12	2.93	2.10	-20.29	-2,130.56	-139.62	2,078.51	2,073.63	4.88	426.207	
900.00	893.06	764.21	763.90	3.41	2.44	-20.65	-2,135.24	-138.60	2,062.12	2,056.51	5.60	368.051	
1,000.00	989.64	867.14	866.71	3.93	2.81	-21.10	-2,140.06	-137.55	2,042.36	2,036.00	6.37	320.748	
1,100.00	1,085.27	955.55	955.02	4.50	3.13	-21.57	-2,144.20	-136.66	2,019.50	2,012.40	7.09	284.709	
1,200.00	1,179.82	1,019.00	1,018.37	5.11	3.36	-22.02	-2,147.65	-135.72	1,994.38	1,986.64	7.74	257.537	
1,300.00	1,273.17	1,083.81	1,083.00	5.77	3.60	-22.54	-2,152.20	-134.42	1,967.75	1,959.33	8.42	233.763	
1,400.00	1,365.21	1,142.77	1,141.70	6.48	3.82	-23.08	-2,157.61	-133.06	1,940.04	1,930.95	9.09	213.445	
1,500.00	1,455.84	1,206.00	1,204.55	7.23	4.06	-23.69	-2,164.45	-132.04	1,910.99	1,901.19	9.80	195.055	
1,600.00	1,544.94	1,271.38	1,269.42	8.04	4.32	-24.37	-2,172.51	-130.78	1,880.50	1,869.96	10.54	178.465	
1,700.00	1,632.39	1,332.47	1,329.88	8.90	4.56	-25.12	-2,180.94	-128.71	1,848.62	1,837.33	11.29	163.747	
1,800.00	1,718.11	1,394.00	1,390.59	9.81	4.82	-25.97	-2,190.56	-125.89	1,815.71	1,803.64	12.07	150.383	
1,900.00	1,801.97	1,462.44	1,457.93	10.77	5.11	-26.98	-2,202.18	-122.09	1,781.50	1,768.58	12.92	137.874	
2,000.00	1,883.88	1,533.19	1,527.41	11.78	5.41	-28.12	-2,214.79	-117.63	1,745.69	1,731.88	13.82	126.334	
2,100.00	1,963.74	1,603.79	1,596.57	12.84	5.73	-29.39	-2,228.07	-112.76	1,708.48	1,693.72	14.76	115.752	
2,200.00	2,041.45	1,677.97	1,669.14	13.95	6.07	-30.82	-2,242.62	-107.83	1,669.78	1,654.02	15.77	105.908	
2,300.00	2,116.92	1,763.19	1,752.50	15.10	6.46	-32.52	-2,259.70	-103.17	1,629.31	1,612.44	16.87	96.563	
2,400.00	2,190.05	1,846.59	1,834.11	16.31	6.85	-34.35	-2,276.47	-99.35	1,586.90	1,568.87	18.03	88.000	
2,500.00	2,260.76	1,927.24	1,913.02	17.56	7.23	-36.36	-2,292.60	-95.17	1,542.79	1,523.53	19.26	80.119	
2,600.00	2,328.95	2,011.48	1,995.44	18.85	7.63	-38.69	-2,309.21	-90.03	1,497.15	1,476.57	20.58	72.741	
2,700.00	2,394.55	2,087.22	2,069.61	20.19	8.00	-41.07	-2,323.86	-85.50	1,450.06	1,428.09	21.97	66.014	
2,800.00	2,457.48	2,156.01	2,136.93	21.57	8.33	-43.50	-2,337.51	-81.63	1,402.42	1,379.00	23.43	59.866	
2,900.00	2,518.85	2,234.63	2,213.87	22.98	8.71	-45.66	-2,352.98	-77.11	1,355.12	1,330.08	25.04	54.122	
3,000.00	2,580.20	2,309.66	2,287.36	24.39	9.07	-47.76	-2,367.56	-72.97	1,309.49	1,282.75	26.74	48.978	
3,100.00	2,641.56	2,382.95	2,359.15	25.81	9.42	-49.89	-2,381.87	-69.41	1,265.84	1,237.31	28.53	44.369	
3,200.00	2,702.91	2,449.46	2,424.30	27.23	9.74	-51.92	-2,394.86	-66.01	1,224.58	1,194.18	30.40	40.282	
3,300.00	2,764.27	2,508.21	2,481.74	28.65	10.03	-53.79	-2,406.60	-62.28	1,186.58	1,154.24	32.34	36.694	
3,400.00	2,825.62	2,568.83	2,544.60	30.08	10.40	-56.27	-2,421.81	-57.11	1,151.91	1,117.44	34.47	33.421	
3,500.00	2,886.98	2,651.91	2,622.07	31.51	10.75	-58.61	-2,436.03	-52.83	1,120.23	1,083.58	36.65	30.565	
3,600.00	2,948.33	2,716.80	2,685.32	32.95	11.08	-60.87	-2,449.99	-48.89	1,092.43	1,053.55	38.88	28.096	
3,700.00	3,009.68	2,784.16	2,750.87	34.38	11.43	-63.26	-2,464.87	-44.60	1,068.70	1,027.52	41.19	25.948	
3,800.00	3,071.04	2,876.70	2,841.01	35.82	11.90	-66.64	-2,485.01	-38.88	1,048.55	1,004.82	43.73	23.979	
3,900.00	3,132.39	2,952.63	2,915.16	37.25	12.29	-69.46	-2,500.92	-35.05	1,031.37	985.21	46.16	22.342	
4,000.00	3,193.75	3,024.83	2,985.56	38.69	12.66	-72.16	-2,516.57	-31.76	1,018.49	969.94	48.55	20.977	
4,100.00	3,255.10	3,101.87	3,060.61	40.13	13.05	-75.06	-2,533.71	-28.50	1,009.99	959.05	50.94	19.827	
4,200.00	3,316.46	3,188.25	3,144.86	41.58	13.49	-78.33	-2,552.51	-25.61	1,005.06	951.72	53.34	18.843	
4,264.34	3,355.93	3,233.48	3,189.02	42.50	13.72	-80.06	-2,562.19	-24.15	1,004.08	949.34	54.74	18.342 CC	
4,300.00	3,377.81	3,258.47	3,213.42	43.02	13.85	-81.01	-2,567.53	-23.28	1,004.38	948.88	55.50	18.098 ES	
4,400.00	3,439.17	3,330.88	3,284.14	44.46	14.22	-83.78	-2,582.85	-20.54	1,008.39	950.84	57.54	17.524	
4,500.00	3,500.52	3,400.95	3,352.64	45.91	14.57	-86.46	-2,597.30	-17.56	1,017.00	957.59	59.41	17.118	
4,600.00	3,561.88	3,470.36	3,420.58	47.35	14.91	-89.12	-2,611.04	-14.04	1,030.39	969.29	61.10	16.865	
4,700.00	3,623.23	3,546.89	3,495.62	48.80	15.29	-92.03	-2,625.49	-10.02	1,048.05	985.38	62.67	16.722	
4,800.00	3,684.59	3,627.63	3,574.92	50.24	15.68	-95.06	-2,640.18	-6.15	1,069.50	1,005.38	64.11	16.681 SF	
4,900.00	3,745.94	3,704.67	3,650.66	51.69	16.05	-97.88	-2,653.91	-2.95	1,094.43	1,029.10	65.34	16.750	
5,000.00	3,807.30	3,780.35	3,725.07	53.14	16.41	-100.57	-2,667.37	-0.07	1,122.88	1,056.48	66.40	16.911	
5,100.00	3,868.65	3,856.24	3,799.48	54.58	16.78	-103.13	-2,682.10	2.51	1,154.49	1,087.14	67.34	17.143	

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 MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	3,930.01	3,930.86	3,872.34	56.03	17.16	-105.51	-2,698.00	4.97	1,189.04	1,120.85	68.20	17.436		
5,300.00	3,991.36	4,006.79	3,946.28	57.48	17.56	-107.79	-2,715.08	7.46	1,226.19	1,157.19	68.99	17.772		
5,400.00	4,052.72	4,086.81	4,024.13	58.93	17.98	-110.08	-2,733.46	9.95	1,265.52	1,195.74	69.78	18.136		
5,500.00	4,114.07	4,167.72	4,102.92	60.38	18.40	-112.31	-2,751.73	12.07	1,306.66	1,236.16	70.50	18.535		
5,600.00	4,175.43	4,244.41	4,177.87	61.83	18.79	-114.38	-2,767.89	13.61	1,349.54	1,278.46	71.08	18.987		
5,700.00	4,236.78	4,317.26	4,249.26	63.28	19.15	-116.29	-2,782.33	14.89	1,394.32	1,322.78	71.54	19.491		
5,800.00	4,298.14	4,389.53	4,320.17	64.73	19.50	-118.12	-2,796.22	16.12	1,440.95	1,369.00	71.94	20.029		
5,900.00	4,359.49	4,452.64	4,382.13	66.18	19.80	-119.66	-2,808.16	17.40	1,489.48	1,417.27	72.21	20.628		
6,000.00	4,420.85	4,522.63	4,450.84	67.63	20.14	-121.29	-2,821.35	19.24	1,539.92	1,467.38	72.54	21.229		
6,100.00	4,482.20	4,597.70	4,524.45	69.08	20.51	-122.94	-2,835.98	21.24	1,591.54	1,518.61	72.94	21.821		
6,200.00	4,543.55	4,661.36	4,586.89	70.53	20.82	-124.28	-2,848.18	23.09	1,644.60	1,571.41	73.18	22.472		
6,300.00	4,604.91	4,724.59	4,649.01	71.98	21.13	-125.57	-2,859.85	25.12	1,699.16	1,625.75	73.41	23.145		
6,400.00	4,666.26	4,786.95	4,710.33	73.44	21.42	-126.80	-2,870.95	27.33	1,755.13	1,681.51	73.62	23.840		
6,500.00	4,727.62	4,848.22	4,770.64	74.89	21.71	-127.96	-2,881.52	29.73	1,812.44	1,738.62	73.81	24.555		
6,600.00	4,788.97	4,912.22	4,833.61	76.34	22.02	-129.12	-2,892.54	32.60	1,870.96	1,796.90	74.06	25.264		
6,700.00	4,850.33	4,987.28	4,907.29	77.79	22.38	-130.38	-2,906.30	36.64	1,930.41	1,855.92	74.49	25.915		
6,800.00	4,911.68	5,075.06	4,993.26	79.24	22.82	-131.75	-2,923.40	41.22	1,989.97	1,914.83	75.13	26.486		
6,900.00	4,973.04	5,149.34	5,065.99	80.70	23.19	-132.84	-2,938.05	44.86	2,049.83	1,974.22	75.61	27.111		
7,000.00	5,034.39	5,208.85	5,124.34	82.15	23.48	-133.69	-2,949.39	47.75	2,110.46	2,034.58	75.88	27.813		
7,100.00	5,095.75	5,275.30	5,189.61	83.60	23.81	-134.62	-2,961.43	51.01	2,171.97	2,095.73	76.24	28.488		
7,200.00	5,157.10	5,345.00	5,258.11	85.05	24.14	-135.55	-2,973.84	54.32	2,233.99	2,157.34	76.65	29.146		
7,300.00	5,218.46	5,405.82	5,318.02	86.51	24.42	-136.36	-2,984.01	56.98	2,296.68	2,219.75	76.93	29.855		
7,400.00	5,279.81	5,465.70	5,377.15	87.96	24.69	-137.14	-2,993.20	59.38	2,360.13	2,282.95	77.18	30.580		
7,500.00	5,341.17	5,525.69	5,436.50	89.41	24.96	-137.92	-3,001.64	61.56	2,424.33	2,346.91	77.42	31.314		
7,600.00	5,402.52	5,591.30	5,501.54	90.87	25.24	-138.76	-3,009.99	63.51	2,489.12	2,411.41	77.71	32.031		
7,700.00	5,463.88	5,645.46	5,555.33	92.32	25.45	-139.45	-3,016.17	64.76	2,554.54	2,476.69	77.85	32.814		
7,800.00	5,525.23	5,704.00	5,613.56	93.77	25.69	-140.19	-3,022.04	66.09	2,620.86	2,542.82	78.03	33.587		
7,900.00	5,586.59	5,749.38	5,658.76	95.23	25.86	-140.76	-3,026.05	67.02	2,687.93	2,609.87	78.06	34.435		
8,000.00	5,647.94	5,797.00	5,706.22	96.68	26.04	-141.35	-3,029.80	67.82	2,755.68	2,677.57	78.11	35.279		
8,100.00	5,709.30	5,852.76	5,761.86	98.13	26.23	-142.04	-3,033.42	68.49	2,824.12	2,745.89	78.23	36.099		
8,200.00	5,770.65	5,891.00	5,800.05	99.59	26.36	-142.51	-3,035.36	68.80	2,893.36	2,815.19	78.17	37.013		
8,300.00	5,832.01	5,946.61	5,855.61	101.04	26.54	-143.19	-3,037.57	69.14	2,963.29	2,885.01	78.28	37.855		
8,400.00	5,893.36	5,994.81	5,903.79	102.49	26.70	-143.77	-3,039.02	69.45	3,033.96	2,955.64	78.32	38.738		
8,500.00	5,954.72	6,055.58	5,964.54	103.95	26.88	-144.49	-3,040.46	69.69	3,105.12	3,026.63	78.49	39.562		
8,600.00	6,016.07	6,118.87	6,027.82	105.40	27.08	-145.22	-3,041.67	69.71	3,176.61	3,097.93	78.68	40.372		
8,700.00	6,077.43	6,181.76	6,090.70	106.86	27.26	-145.93	-3,042.67	69.49	3,248.36	3,169.48	78.88	41.181		
8,800.00	6,138.78	6,234.48	6,143.41	108.31	27.42	-146.50	-3,043.29	69.22	3,320.50	3,241.52	78.99	42.038		
8,900.00	6,200.13	6,289.13	6,198.07	109.76	27.58	-147.09	-3,043.70	68.93	3,393.09	3,313.96	79.12	42.884		
9,000.00	6,261.49	6,347.27	6,256.21	111.22	27.74	-147.69	-3,044.06	68.65	3,466.01	3,386.71	79.30	43.707		
9,100.00	6,322.84	6,420.68	6,329.61	112.67	27.96	-148.43	-3,044.53	68.25	3,539.14	3,459.50	79.64	44.439		
9,200.00	6,384.20	6,486.81	6,395.73	114.13	28.14	-149.06	-3,045.05	67.70	3,612.29	3,532.37	79.92	45.198		
9,300.00	6,445.55	6,547.00	6,455.92	115.58	28.32	-149.63	-3,045.46	67.17	3,685.69	3,605.54	80.16	45.980		
9,400.00	6,506.91	6,599.42	6,508.34	117.03	28.47	-150.10	-3,045.76	66.78	3,759.39	3,679.06	80.34	46.796		
9,500.00	6,568.26	6,655.50	6,564.42	118.49	28.63	-150.59	-3,046.07	66.51	3,833.40	3,752.84	80.56	47.584		
9,600.00	6,629.62	6,715.45	6,624.36	119.94	28.80	-151.10	-3,046.26	66.13	3,907.64	3,826.81	80.83	48.345		
9,700.00	6,690.97	6,777.77	6,686.68	121.40	28.98	-151.62	-3,046.36	65.65	3,982.06	3,900.93	81.13	49.082		
9,800.00	6,752.33	6,843.51	6,752.42	122.85	29.17	-152.15	-3,046.68	65.35	4,056.61	3,975.13	81.48	49.785		
9,900.00	6,813.68	6,917.02	6,825.93	124.31	29.38	-152.71	-3,047.23	64.99	4,131.19	4,049.25	81.93	50.422		
10,000.00	6,875.04	6,968.17	6,877.08	125.76	29.54	-153.09	-3,047.63	64.73	4,205.88	4,123.71	82.17	51.185		
10,100.00	6,936.39	7,017.81	6,926.71	127.22	29.69	-153.45	-3,047.92	64.61	4,280.89	4,198.49	82.40	51.951		
10,200.00	6,997.75	7,075.89	6,984.79	128.67	29.86	-153.86	-3,048.16	64.50	4,356.14	4,273.42	82.73	52.657		
10,300.00	7,059.10	7,132.07	7,040.98	130.13	30.02	-154.24	-3,048.29	64.35	4,431.57	4,348.54	83.04	53.369		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
10,400.00	7,118.86	7,184.37	7,093.28	131.62	30.17	-169.96	-3,048.32	64.24	4,509.83	4,426.47	83.36	54.099		
10,500.00	7,173.55	7,248.87	7,157.78	133.17	30.35	170.25	-3,048.31	64.08	4,593.33	4,509.41	83.92	54.734		
10,600.00	7,221.49	7,308.44	7,217.35	134.72	30.52	149.28	-3,048.40	63.75	4,679.36	4,594.84	84.52	55.365		
10,700.00	7,261.21	7,343.62	7,252.53	136.22	30.62	129.28	-3,048.47	63.56	4,765.66	4,680.70	84.95	56.098		
10,800.00	7,291.51	7,370.42	7,279.33	137.61	30.70	112.78	-3,048.51	63.44	4,849.89	4,764.52	85.37	56.810		
10,900.00	7,311.47	7,390.00	7,298.90	138.86	30.76	100.59	-3,048.54	63.37	4,929.85	4,844.06	85.79	57.463		
11,000.00	7,320.48	7,398.70	7,307.60	139.92	30.78	92.19	-3,048.55	63.34	5,003.46	4,917.26	86.20	58.047		
11,100.00	7,321.00	7,399.76	7,308.67	140.82	30.78	90.27	-3,048.55	63.33	5,071.35	4,984.74	86.61	58.553		
11,200.00	7,321.00	7,400.20	7,309.11	141.74	30.79	90.28	-3,048.55	63.33	5,139.85	5,052.81	87.04	59.052		
11,300.00	7,321.00	7,400.64	7,309.55	142.69	30.79	90.29	-3,048.55	63.33	5,209.37	5,121.89	87.48	59.551		
11,400.00	7,321.00	7,401.09	7,309.99	143.67	30.79	90.29	-3,048.55	63.33	5,279.86	5,191.94	87.92	60.051		
11,500.00	7,321.00	7,401.54	7,310.44	144.68	30.79	90.30	-3,048.55	63.33	5,351.30	5,262.93	88.37	60.553		
11,600.00	7,321.00	7,401.99	7,310.89	145.73	30.79	90.31	-3,048.55	63.33	5,423.64	5,334.81	88.83	61.057		
11,700.00	7,321.00	7,402.45	7,311.35	146.80	30.79	90.31	-3,048.55	63.32	5,496.85	5,407.56	89.29	61.564		
11,800.00	7,321.00	7,402.91	7,311.81	147.91	30.79	90.32	-3,048.55	63.32	5,570.89	5,481.15	89.75	62.074		
11,900.00	7,321.00	7,403.37	7,312.27	149.05	30.79	90.33	-3,048.56	63.32	5,645.73	5,555.53	90.20	62.588		
12,000.00	7,321.00	7,403.84	7,312.74	150.22	30.80	90.33	-3,048.56	63.32	5,721.34	5,630.68	90.66	63.106		
12,100.00	7,321.00	7,404.31	7,313.21	151.42	30.80	90.34	-3,048.56	63.32	5,797.69	5,706.57	91.12	63.628		
12,200.00	7,321.00	7,404.78	7,313.68	152.66	30.80	90.35	-3,048.56	63.32	5,874.75	5,783.18	91.57	64.154		
12,300.00	7,321.00	7,405.26	7,314.16	153.93	30.80	90.36	-3,048.56	63.31	5,952.49	5,860.47	92.02	64.685		
12,400.00	7,321.00	7,405.74	7,314.65	155.22	30.80	90.36	-3,048.56	63.31	6,030.89	5,938.42	92.47	65.220		
12,500.00	7,321.00	7,406.23	7,315.13	156.55	30.80	90.37	-3,048.56	63.31	6,109.92	6,017.01	92.91	65.760		
12,600.00	7,321.00	7,406.72	7,315.62	157.91	30.80	90.38	-3,048.56	63.31	6,189.55	6,096.21	93.35	66.306		
12,700.00	7,321.00	7,407.22	7,316.12	159.31	30.81	90.39	-3,048.56	63.31	6,269.77	6,175.99	93.78	66.855		
12,800.00	7,321.00	7,407.71	7,316.62	160.73	30.81	90.39	-3,048.56	63.30	6,350.55	6,256.34	94.21	67.410		
12,900.00	7,321.00	7,408.22	7,317.12	162.18	30.81	90.40	-3,048.56	63.30	6,431.87	6,337.24	94.63	67.970		
13,000.00	7,321.00	7,408.73	7,317.63	163.67	30.81	90.41	-3,048.56	63.30	6,513.71	6,418.67	95.04	68.534		
13,100.00	7,321.00	7,409.24	7,318.14	165.18	30.81	90.42	-3,048.56	63.30	6,596.05	6,500.60	95.45	69.103		
13,200.00	7,321.00	7,409.75	7,318.66	166.73	30.81	90.43	-3,048.57	63.30	6,678.88	6,583.02	95.85	69.677		
13,300.00	7,321.00	7,410.28	7,319.18	168.30	30.81	90.43	-3,048.57	63.29	6,762.16	6,665.91	96.25	70.255		
13,400.00	7,321.00	7,410.80	7,319.70	169.90	30.82	90.44	-3,048.57	63.29	6,845.90	6,749.26	96.64	70.838		
13,500.00	7,321.00	7,411.33	7,320.23	171.53	30.82	90.45	-3,048.57	63.29	6,930.06	6,833.04	97.02	71.426		
13,600.00	7,321.00	7,411.87	7,320.77	173.19	30.82	90.46	-3,048.57	63.29	7,014.64	6,917.24	97.40	72.018		
13,700.00	7,321.00	7,412.40	7,321.31	174.88	30.82	90.47	-3,048.57	63.29	7,099.63	7,001.85	97.77	72.614		
13,800.00	7,321.00	7,412.95	7,321.85	176.59	30.82	90.48	-3,048.57	63.28	7,184.99	7,086.86	98.14	73.214		
13,900.00	7,321.00	7,413.50	7,322.40	178.33	30.82	90.48	-3,048.57	63.28	7,270.74	7,172.24	98.49	73.818		
14,000.00	7,321.00	7,414.05	7,322.96	180.09	30.83	90.49	-3,048.57	63.28	7,356.84	7,257.99	98.85	74.427		
14,100.00	7,321.00	7,414.61	7,323.51	181.88	30.83	90.50	-3,048.57	63.28	7,443.29	7,344.10	99.19	75.039		
14,200.00	7,321.00	7,415.17	7,324.08	183.70	30.83	90.51	-3,048.57	63.28	7,530.07	7,430.54	99.53	75.655		
14,300.00	7,321.00	7,415.74	7,324.65	185.54	30.83	90.52	-3,048.58	63.27	7,617.18	7,517.32	99.87	76.275		
14,400.00	7,321.00	7,416.32	7,325.22	187.40	30.83	90.53	-3,048.58	63.27	7,704.60	7,604.41	100.19	76.898		
14,500.00	7,321.00	7,416.90	7,325.80	189.29	30.83	90.54	-3,048.58	63.27	7,792.33	7,691.81	100.51	77.524		
14,600.00	7,321.00	7,417.48	7,326.39	191.20	30.84	90.55	-3,048.58	63.27	7,880.34	7,779.51	100.83	78.154		
14,700.00	7,321.00	7,418.07	7,326.98	193.13	30.84	90.55	-3,048.58	63.26	7,968.64	7,867.50	101.14	78.788		
14,800.00	7,321.00	7,418.67	7,327.57	195.08	30.84	90.56	-3,048.58	63.26	8,057.22	7,955.77	101.45	79.424		
14,900.00	7,321.00	7,419.27	7,328.17	197.05	30.84	90.57	-3,048.58	63.26	8,146.05	8,044.31	101.75	80.063		
15,000.00	7,321.00	7,419.88	7,328.78	199.04	30.84	90.58	-3,048.58	63.26	8,235.15	8,133.11	102.04	80.706		
15,100.00	7,321.00	7,420.49	7,329.39	201.06	30.84	90.59	-3,048.58	63.25	8,324.49	8,222.16	102.33	81.351		
15,200.00	7,321.00	7,421.11	7,330.01	203.09	30.85	90.60	-3,048.58	63.25	8,414.07	8,311.46	102.61	81.999		
15,300.00	7,321.00	7,421.73	7,330.63	205.14	30.85	90.61	-3,048.59	63.25	8,503.88	8,400.99	102.89	82.649		
15,400.00	7,321.00	7,422.36	7,331.26	207.21	30.85	90.62	-3,048.59	63.25	8,593.92	8,490.76	103.17	83.302		
15,500.00	7,321.00	7,423.00	7,331.90	209.29	30.85	90.63	-3,048.59	63.24	8,684.18	8,580.74	103.43	83.958		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 36-T7N-R67W - EXIST HZ BALDRIDGE 2-1 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.00 usft
Survey Program: 128-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
15,600.00	7,321.00	7,423.64	7,332.54	211.39	30.85	90.64	-3,048.59	63.24	8,774.64	8,670.94	103.70	84.616	
15,700.00	7,321.00	7,424.29	7,333.19	213.51	30.86	90.65	-3,048.59	63.24	8,865.32	8,761.36	103.96	85.276	
15,800.00	7,321.00	7,424.94	7,333.84	215.65	30.86	90.66	-3,048.59	63.23	8,956.19	8,851.97	104.22	85.939	
15,900.00	7,321.00	7,425.60	7,334.51	217.80	30.86	90.67	-3,048.59	63.23	9,047.25	8,942.78	104.47	86.603	
16,000.00	7,321.00	7,426.27	7,335.17	219.96	30.86	90.68	-3,048.59	63.23	9,138.50	9,033.78	104.72	87.270	
16,100.00	7,321.00	7,426.94	7,335.85	222.14	30.86	90.69	-3,048.60	63.22	9,229.93	9,124.97	104.96	87.939	
16,200.00	7,321.00	7,427.62	7,336.53	224.34	30.87	90.70	-3,048.60	63.22	9,321.54	9,216.34	105.20	88.609	
16,300.00	7,321.00	7,428.31	7,337.21	226.55	30.87	90.71	-3,048.60	63.22	9,413.32	9,307.88	105.43	89.282	
16,400.00	7,321.00	7,429.01	7,337.91	228.77	30.87	90.72	-3,048.60	63.22	9,505.26	9,399.59	105.67	89.956	
16,500.00	7,321.00	7,429.71	7,338.61	231.00	30.87	90.73	-3,048.60	63.21	9,597.37	9,491.47	105.89	90.632	
16,600.00	7,321.00	7,430.41	7,339.32	233.25	30.87	90.74	-3,048.60	63.21	9,689.63	9,583.51	106.12	91.309	
16,700.00	7,321.00	7,431.13	7,340.03	235.51	30.88	90.76	-3,048.60	63.21	9,782.04	9,675.70	106.34	91.988	
16,800.00	7,321.00	7,431.85	7,340.76	237.78	30.88	90.77	-3,048.61	63.20	9,874.60	9,768.04	106.56	92.669	
16,900.00	7,321.00	7,432.58	7,341.49	240.06	30.88	90.78	-3,048.61	63.20	9,967.31	9,860.53	106.77	93.351	
17,000.00	7,321.00	7,433.32	7,342.22	242.35	30.88	90.79	-3,048.61	63.20	10,060.15	9,953.17	106.98	94.034	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	68.50	68.49	0.27	0.11	-175.85	-2,123.97	-154.12	2,129.55	2,129.18	0.38	5,651.473	
200.00	200.00	164.96	164.93	0.63	0.34	-175.90	-2,124.24	-152.19	2,129.69	2,128.72	0.97	2,204.613	
300.00	299.98	240.51	240.48	0.97	0.61	-19.20	-2,124.70	-151.06	2,128.62	2,127.04	1.58	1,345.808	
400.00	399.84	304.00	303.94	1.32	0.84	-19.26	-2,126.40	-150.36	2,126.15	2,124.00	2.15	988.270	
500.00	499.45	345.28	345.17	1.68	0.99	-19.34	-2,128.43	-149.94	2,122.54	2,119.89	2.65	800.097	
600.00	598.70	396.00	395.75	2.07	1.17	-19.44	-2,132.09	-149.36	2,118.08	2,114.89	3.19	663.577	
700.00	697.47	445.17	444.69	2.48	1.36	-19.57	-2,136.78	-148.78	2,112.69	2,108.96	3.74	565.552	
800.00	795.62	487.00	486.24	2.93	1.52	-19.71	-2,141.62	-148.31	2,106.37	2,102.11	4.26	494.671	
900.00	893.06	554.81	553.40	3.41	1.80	-19.94	-2,150.89	-147.39	2,098.79	2,093.90	4.89	429.211	
1,000.00	989.64	618.09	615.87	3.93	2.06	-20.21	-2,160.90	-146.16	2,089.94	2,084.42	5.52	378.745	
1,100.00	1,085.27	675.00	671.92	4.50	2.31	-20.49	-2,170.69	-144.72	2,079.45	2,073.32	6.13	338.962	
1,200.00	1,179.82	753.22	748.75	5.11	2.67	-20.89	-2,185.26	-143.33	2,067.19	2,060.34	6.85	301.647	
1,300.00	1,273.17	812.34	806.64	5.77	2.95	-21.22	-2,197.25	-143.12	2,053.43	2,045.92	7.51	273.339	
1,400.00	1,365.21	862.00	855.07	6.48	3.19	-21.55	-2,208.24	-142.97	2,038.54	2,030.39	8.15	250.153	
1,500.00	1,455.84	930.21	921.29	7.23	3.54	-22.00	-2,224.60	-142.63	2,022.36	2,013.47	8.89	227.524	
1,600.00	1,544.94	990.65	979.67	8.04	3.87	-22.47	-2,240.21	-141.98	2,004.90	1,995.28	9.61	208.544	
1,700.00	1,632.39	1,050.00	1,036.70	8.90	4.19	-23.00	-2,256.57	-140.60	1,986.21	1,975.84	10.37	191.602	
1,800.00	1,718.11	1,107.44	1,091.58	9.81	4.53	-23.56	-2,273.43	-138.99	1,966.40	1,955.26	11.14	176.571	
1,900.00	1,801.97	1,144.00	1,126.35	10.77	4.75	-24.00	-2,284.72	-138.08	1,945.77	1,933.93	11.84	164.381	
2,000.00	1,883.88	1,237.00	1,214.07	11.78	5.34	-24.93	-2,315.52	-135.74	1,924.07	1,911.23	12.84	149.809	
2,100.00	1,963.74	1,268.19	1,243.21	12.84	5.55	-25.39	-2,326.59	-134.93	1,901.49	1,887.91	13.58	140.014	
2,200.00	2,041.45	1,331.00	1,301.37	13.95	5.98	-26.18	-2,350.27	-133.45	1,878.75	1,864.23	14.51	129.435	
2,300.00	2,116.92	1,367.67	1,335.00	15.10	6.25	-26.75	-2,364.88	-132.58	1,855.32	1,839.98	15.35	120.878	
2,400.00	2,190.05	1,425.00	1,387.13	16.31	6.68	-27.58	-2,388.65	-130.99	1,831.45	1,815.11	16.34	112.090	
2,500.00	2,260.76	1,475.65	1,432.76	17.56	7.07	-28.39	-2,410.56	-129.26	1,807.01	1,789.67	17.34	104.206	
2,600.00	2,328.95	1,536.57	1,487.14	18.85	7.56	-29.39	-2,437.91	-126.72	1,782.03	1,763.57	18.46	96.530	
2,700.00	2,394.55	1,624.22	1,565.08	20.19	8.28	-30.84	-2,477.77	-122.46	1,755.63	1,735.81	19.83	88.540	
2,800.00	2,457.48	1,739.82	1,668.55	21.57	9.22	-32.87	-2,528.97	-116.53	1,726.06	1,704.59	21.47	80.385	
2,900.00	2,518.85	1,822.79	1,742.97	22.98	9.90	-34.20	-2,565.41	-112.16	1,695.65	1,672.67	22.97	73.806	
3,000.00	2,580.20	1,921.83	1,831.91	24.39	10.71	-35.79	-2,608.71	-107.20	1,666.10	1,641.44	24.66	67.563	
3,100.00	2,641.56	2,020.66	1,921.20	25.81	11.51	-37.44	-2,650.78	-102.50	1,636.51	1,610.09	26.42	61.938	
3,200.00	2,702.91	2,098.98	1,991.87	27.23	12.15	-38.77	-2,684.36	-98.92	1,608.38	1,580.26	28.11	57.212	
3,300.00	2,764.27	2,195.80	2,079.41	28.65	12.93	-40.47	-2,725.52	-94.72	1,581.10	1,551.08	30.02	52.666	
3,400.00	2,825.62	2,276.77	2,152.57	30.08	13.59	-41.91	-2,760.07	-91.77	1,555.08	1,523.19	31.89	48.768	
3,500.00	2,886.98	2,369.37	2,236.32	31.51	14.34	-43.60	-2,799.45	-88.38	1,530.28	1,496.35	33.93	45.102	
3,600.00	2,948.33	2,455.00	2,313.93	32.95	15.03	-45.20	-2,835.50	-85.38	1,506.47	1,470.47	36.00	41.846	
3,700.00	3,009.68	2,532.80	2,384.35	34.38	15.66	-46.69	-2,868.45	-82.70	1,484.36	1,446.27	38.09	38.973	
3,800.00	3,071.04	2,593.89	2,439.36	35.82	16.17	-47.87	-2,894.94	-80.31	1,464.81	1,424.72	40.10	36.532	
3,900.00	3,132.39	2,659.04	2,497.43	37.25	16.72	-49.14	-2,924.31	-77.51	1,448.41	1,406.21	42.20	34.326	
4,000.00	3,193.75	2,755.18	2,583.22	38.69	17.54	-51.07	-2,967.45	-72.86	1,433.75	1,389.06	44.69	32.084	
4,100.00	3,255.10	2,842.60	2,661.43	40.13	18.28	-52.85	-3,006.29	-68.67	1,420.42	1,373.25	47.16	30.117	
4,200.00	3,316.46	2,917.53	2,728.21	41.58	18.92	-54.37	-3,040.13	-65.44	1,409.19	1,359.63	49.56	28.435	
4,300.00	3,377.81	3,009.23	2,809.87	43.02	19.71	-56.26	-3,081.63	-61.28	1,399.91	1,347.71	52.20	26.818	
4,400.00	3,439.17	3,099.70	2,890.79	44.46	20.47	-58.18	-3,121.82	-56.71	1,392.11	1,337.22	54.89	25.361	
4,500.00	3,500.52	3,189.02	2,970.70	45.91	21.23	-60.07	-3,161.52	-52.62	1,385.93	1,328.32	57.61	24.057	
4,600.00	3,561.88	3,273.21	3,045.96	47.35	21.95	-61.85	-3,199.09	-49.09	1,381.55	1,321.25	60.29	22.913	
4,700.00	3,623.23	3,369.72	3,132.28	48.80	22.77	-63.90	-3,242.10	-45.19	1,378.93	1,315.76	63.16	21.831	
4,800.00	3,684.59	3,456.96	3,210.49	50.24	23.50	-65.75	-3,280.61	-42.08	1,377.60	1,311.67	65.92	20.896	
4,815.04	3,693.82	3,469.42	3,221.67	50.46	23.61	-66.02	-3,286.09	-41.61	1,377.57	1,311.24	66.33	20.768 CC	
4,900.00	3,745.94	3,533.20	3,278.88	51.69	24.15	-67.39	-3,314.16	-38.94	1,378.47	1,309.92	68.54	20.111 ES	
5,000.00	3,807.30	3,621.35	3,357.93	53.14	24.89	-69.29	-3,352.90	-34.48	1,381.87	1,310.56	71.32	19.377	
5,100.00	3,868.65	3,713.41	3,440.99	54.58	25.65	-71.30	-3,392.37	-30.21	1,386.30	1,312.17	74.13	18.700	

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	3,930.01	3,795.80	3,515.11	56.03	26.34	-73.07	-3,428.14	-26.26	1,393.12	1,316.34	76.78	18.145	
5,300.00	3,991.36	3,899.28	3,608.69	57.48	27.19	-75.30	-3,472.07	-21.70	1,401.10	1,321.40	79.70	17.580	
5,400.00	4,052.72	3,990.04	3,691.24	58.93	27.92	-77.26	-3,509.60	-17.97	1,410.29	1,327.90	82.39	17.117	
5,500.00	4,114.07	4,073.51	3,767.06	60.38	28.59	-79.04	-3,544.37	-14.79	1,421.34	1,336.42	84.91	16.739	
5,600.00	4,175.43	4,154.40	3,840.35	61.83	29.25	-80.72	-3,578.44	-11.75	1,434.41	1,347.07	87.34	16.424	
5,700.00	4,236.78	4,235.00	3,913.00	63.28	29.92	-82.35	-3,613.22	-8.75	1,449.63	1,359.94	89.69	16.162	
5,800.00	4,298.14	4,309.92	3,980.19	64.73	30.55	-83.82	-3,646.25	-5.86	1,466.97	1,375.07	91.89	15.964	
5,900.00	4,359.49	4,389.06	4,050.98	66.18	31.23	-85.33	-3,681.48	-2.54	1,486.30	1,392.21	94.10	15.796	
6,000.00	4,420.85	4,478.41	4,130.87	67.63	31.99	-87.01	-3,721.28	1.41	1,507.34	1,410.93	96.41	15.635	
6,100.00	4,482.20	4,560.75	4,204.85	69.08	32.68	-88.54	-3,757.26	5.03	1,529.55	1,431.02	98.54	15.523	
6,200.00	4,543.55	4,636.46	4,272.43	70.53	33.33	-89.89	-3,791.19	8.59	1,553.71	1,453.23	100.48	15.463	
6,300.00	4,604.91	4,714.86	4,342.37	71.98	34.01	-91.27	-3,826.39	12.67	1,579.61	1,477.20	102.41	15.425	
6,400.00	4,666.26	4,797.00	4,415.32	73.44	34.72	-92.65	-3,863.86	17.21	1,607.14	1,502.78	104.36	15.400	
6,500.00	4,727.62	4,879.73	4,488.62	74.89	35.45	-93.99	-3,901.93	21.88	1,635.99	1,529.71	106.27	15.394	
6,600.00	4,788.97	4,998.81	4,594.73	76.34	36.48	-95.89	-3,955.68	27.56	1,665.03	1,556.21	108.82	15.301	
6,700.00	4,850.33	5,092.80	4,678.78	77.79	37.28	-97.35	-3,997.59	31.03	1,694.14	1,583.32	110.82	15.287	
6,800.00	4,911.68	5,198.16	4,773.88	79.24	38.15	-98.99	-4,042.85	34.04	1,723.36	1,610.43	112.94	15.259 SF	
6,900.00	4,973.04	5,283.45	4,851.32	80.70	38.84	-100.32	-4,078.50	36.25	1,753.34	1,638.72	114.63	15.296	
7,000.00	5,034.39	5,372.17	4,932.47	82.15	39.53	-101.70	-4,114.31	38.50	1,784.24	1,667.96	116.29	15.343	
7,100.00	5,095.75	5,458.30	5,011.80	83.60	40.19	-103.04	-4,147.79	40.61	1,816.08	1,698.26	117.82	15.414	
7,200.00	5,157.10	5,543.27	5,091.02	85.05	40.80	-104.40	-4,178.41	42.61	1,848.91	1,729.69	119.21	15.509	
7,300.00	5,218.46	5,633.57	5,176.55	86.51	41.39	-105.92	-4,207.30	44.43	1,882.68	1,762.16	120.52	15.621	
7,400.00	5,279.81	5,706.55	5,246.36	87.96	41.84	-107.17	-4,228.51	45.74	1,917.65	1,796.19	121.46	15.788	
7,500.00	5,341.17	5,787.42	5,324.18	89.41	42.31	-108.57	-4,250.45	47.29	1,954.12	1,831.72	122.39	15.966	
7,600.00	5,402.52	5,867.52	5,401.87	90.87	42.74	-109.98	-4,269.95	48.35	1,991.68	1,868.50	123.18	16.169	
7,700.00	5,463.88	5,944.53	5,477.06	92.32	43.12	-111.35	-4,286.54	49.13	2,030.63	1,906.83	123.81	16.402	
7,800.00	5,525.23	6,027.03	5,558.05	93.77	43.50	-112.84	-4,302.28	49.34	2,070.70	1,946.34	124.36	16.651	
7,900.00	5,586.59	6,090.36	5,620.48	95.23	43.77	-113.99	-4,312.85	49.30	2,112.26	1,987.65	124.61	16.951	
8,000.00	5,647.94	6,154.69	5,684.12	96.68	44.02	-115.16	-4,322.27	49.27	2,155.55	2,030.79	124.76	17.277	
8,100.00	5,709.30	6,220.19	5,749.07	98.13	44.26	-116.35	-4,330.74	49.18	2,200.45	2,075.61	124.84	17.626	
8,200.00	5,770.65	6,289.03	5,817.46	99.59	44.50	-117.60	-4,338.58	48.87	2,246.80	2,121.93	124.87	17.993	
8,300.00	5,832.01	6,345.16	5,873.32	101.04	44.67	-118.61	-4,344.12	48.54	2,294.67	2,169.95	124.72	18.398	
8,400.00	5,893.36	6,390.00	5,917.99	102.49	44.81	-119.41	-4,347.91	48.34	2,344.29	2,219.87	124.42	18.842	
8,500.00	5,954.72	6,448.28	5,976.13	103.95	44.97	-120.46	-4,351.88	48.17	2,395.59	2,271.43	124.16	19.295	
8,600.00	6,016.07	6,508.96	6,036.74	105.40	45.13	-121.55	-4,354.88	48.03	2,448.55	2,324.69	123.86	19.769	
8,700.00	6,077.43	6,578.00	6,105.69	106.86	45.30	-122.75	-4,358.34	47.48	2,502.34	2,378.74	123.60	20.246	
8,800.00	6,138.78	6,631.92	6,159.56	108.31	45.42	-123.68	-4,360.69	46.98	2,557.40	2,434.20	123.20	20.758	
8,900.00	6,200.13	6,671.00	6,198.62	109.76	45.51	-124.35	-4,361.76	46.78	2,614.14	2,491.48	122.67	21.311	
9,000.00	6,261.49	6,727.91	6,255.52	111.22	45.62	-125.32	-4,362.64	46.53	2,672.29	2,550.07	122.22	21.864	
9,100.00	6,322.84	6,787.15	6,314.76	112.67	45.73	-126.31	-4,362.99	46.18	2,731.61	2,609.83	121.78	22.432	
9,200.00	6,384.20	6,858.75	6,386.36	114.13	45.86	-127.49	-4,363.17	45.49	2,791.75	2,670.35	121.41	22.995	
9,300.00	6,445.55	6,921.12	6,448.73	115.58	45.96	-128.49	-4,363.23	44.70	2,852.68	2,731.71	120.97	23.581	
9,400.00	6,506.91	6,979.12	6,506.72	117.03	46.05	-129.40	-4,363.15	43.91	2,914.48	2,793.95	120.52	24.182	
9,500.00	6,568.26	7,032.61	6,560.20	118.49	46.14	-130.22	-4,362.91	43.23	2,977.21	2,857.17	120.05	24.800	
9,600.00	6,629.62	7,118.33	6,645.91	119.94	46.28	-131.50	-4,362.59	42.00	3,040.63	2,920.82	119.81	25.379	
9,700.00	6,690.97	7,188.00	6,715.57	121.40	46.40	-132.50	-4,362.87	40.75	3,104.27	2,984.77	119.50	25.977	
9,800.00	6,752.33	7,249.12	6,776.68	122.85	46.52	-133.34	-4,363.37	39.81	3,168.56	3,049.40	119.16	26.590	
9,900.00	6,813.68	7,308.05	6,835.60	124.31	46.63	-134.13	-4,363.90	38.99	3,233.51	3,114.68	118.83	27.210	
10,000.00	6,875.04	7,367.89	6,895.43	125.76	46.74	-134.92	-4,364.34	38.16	3,299.10	3,180.57	118.53	27.835	
10,100.00	6,936.39	7,427.29	6,954.83	127.22	46.85	-135.68	-4,364.50	37.18	3,365.27	3,247.04	118.22	28.466	
10,200.00	6,997.75	7,482.62	7,010.15	128.67	46.95	-136.38	-4,364.43	36.23	3,432.04	3,314.15	117.89	29.111	
10,300.00	7,059.10	7,532.60	7,060.12	130.13	47.03	-137.00	-4,364.25	35.40	3,499.45	3,381.91	117.54	29.772	

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
10,400.00	7,118.86	7,574.53	7,102.05	131.62	47.10	-149.20	-4,364.02	34.90	3,571.57	3,454.32	117.24	30.463		
10,500.00	7,173.55	7,608.00	7,135.52	133.17	47.16	-165.06	-4,363.80	34.66	3,652.82	3,535.71	117.12	31.189		
10,600.00	7,221.49	7,650.23	7,177.75	134.72	47.22	175.00	-4,363.49	34.53	3,740.45	3,623.15	117.29	31.889		
10,700.00	7,261.21	7,680.63	7,208.15	136.22	47.27	150.43	-4,363.25	34.54	3,831.64	3,714.07	117.57	32.589		
10,800.00	7,291.51	7,704.03	7,231.54	137.61	47.31	125.16	-4,363.07	34.60	3,923.68	3,805.71	117.97	33.259		
10,900.00	7,311.47	7,724.00	7,251.51	138.86	47.35	105.35	-4,362.92	34.68	4,013.96	3,895.46	118.51	33.870		
11,000.00	7,320.48	7,732.75	7,260.27	139.92	47.36	92.19	-4,362.86	34.72	4,100.08	3,980.98	119.11	34.424		
11,100.00	7,321.00	7,732.84	7,260.36	140.82	47.36	89.27	-4,362.86	34.72	4,181.84	4,062.10	119.74	34.925		
11,200.00	7,321.00	7,732.41	7,259.92	141.74	47.36	89.26	-4,362.86	34.71	4,264.03	4,143.67	120.35	35.429		
11,300.00	7,321.00	7,731.97	7,259.48	142.69	47.36	89.25	-4,362.87	34.71	4,346.97	4,226.02	120.94	35.942		
11,400.00	7,321.00	7,731.54	7,259.05	143.67	47.36	89.24	-4,362.87	34.71	4,430.61	4,309.10	121.51	36.462		
11,500.00	7,321.00	7,731.11	7,258.62	144.68	47.36	89.23	-4,362.87	34.71	4,514.92	4,392.86	122.06	36.990		
11,600.00	7,321.00	7,730.68	7,258.19	145.73	47.36	89.22	-4,362.88	34.71	4,599.85	4,477.27	122.58	37.525		
11,700.00	7,321.00	7,730.25	7,257.77	146.80	47.36	89.21	-4,362.88	34.71	4,685.38	4,562.30	123.08	38.066		
11,800.00	7,321.00	7,729.83	7,257.34	147.91	47.36	89.20	-4,362.88	34.70	4,771.48	4,647.91	123.57	38.614		
11,900.00	7,321.00	7,729.40	7,256.92	149.05	47.35	89.19	-4,362.88	34.70	4,858.10	4,734.07	124.03	39.168		
12,000.00	7,321.00	7,728.98	7,256.50	150.22	47.35	89.18	-4,362.89	34.70	4,945.24	4,820.76	124.48	39.727		
12,100.00	7,321.00	7,728.56	7,256.08	151.42	47.35	89.17	-4,362.89	34.70	5,032.85	4,907.93	124.91	40.292		
12,200.00	7,321.00	7,728.15	7,255.66	152.66	47.35	89.16	-4,362.89	34.70	5,120.91	4,995.58	125.32	40.861		
12,300.00	7,321.00	7,727.73	7,255.25	153.93	47.35	89.15	-4,362.90	34.70	5,209.40	5,083.68	125.72	41.436		
12,400.00	7,321.00	7,727.32	7,254.83	155.22	47.35	89.14	-4,362.90	34.69	5,298.31	5,172.20	126.11	42.015		
12,500.00	7,321.00	7,726.91	7,254.42	156.55	47.35	89.13	-4,362.90	34.69	5,387.60	5,261.12	126.48	42.598		
12,600.00	7,321.00	7,726.50	7,254.01	157.91	47.35	89.12	-4,362.90	34.69	5,477.26	5,350.43	126.83	43.186		
12,700.00	7,321.00	7,726.09	7,253.60	159.31	47.35	89.11	-4,362.91	34.69	5,567.28	5,440.10	127.17	43.777		
12,800.00	7,321.00	7,725.69	7,253.20	160.73	47.35	89.10	-4,362.91	34.69	5,657.63	5,530.12	127.51	44.372		
12,900.00	7,321.00	7,725.28	7,252.80	162.18	47.35	89.09	-4,362.91	34.68	5,748.30	5,620.47	127.82	44.970		
13,000.00	7,321.00	7,724.88	7,252.39	163.67	47.35	89.08	-4,362.92	34.68	5,839.27	5,711.14	128.13	45.572		
13,100.00	7,321.00	7,724.48	7,251.99	165.18	47.35	89.07	-4,362.92	34.68	5,930.54	5,802.11	128.43	46.177		
13,200.00	7,321.00	7,724.08	7,251.59	166.73	47.35	89.06	-4,362.92	34.68	6,022.08	5,893.36	128.72	46.785		
13,300.00	7,321.00	7,723.68	7,251.20	168.30	47.34	89.05	-4,362.92	34.68	6,113.89	5,984.89	129.00	47.395		
13,400.00	7,321.00	7,723.29	7,250.80	169.90	47.34	89.04	-4,362.93	34.68	6,205.95	6,076.68	129.27	48.009		
13,500.00	7,321.00	7,722.90	7,250.41	171.53	47.34	89.03	-4,362.93	34.68	6,298.25	6,168.72	129.53	48.625		
13,600.00	7,321.00	7,722.51	7,250.02	173.19	47.34	89.02	-4,362.93	34.67	6,390.79	6,261.01	129.78	49.243		
13,700.00	7,321.00	7,722.12	7,249.63	174.88	47.34	89.01	-4,362.94	34.67	6,483.54	6,353.52	130.02	49.864		
13,800.00	7,321.00	7,721.73	7,249.24	176.59	47.34	89.01	-4,362.94	34.67	6,576.51	6,446.25	130.26	50.487		
13,900.00	7,321.00	7,721.34	7,248.86	178.33	47.34	89.00	-4,362.94	34.67	6,669.68	6,539.19	130.49	51.112		
14,000.00	7,321.00	7,720.96	7,248.47	180.09	47.34	88.99	-4,362.94	34.67	6,763.05	6,632.33	130.71	51.739		
14,100.00	7,321.00	7,720.58	7,248.09	181.88	47.34	88.98	-4,362.95	34.67	6,856.60	6,725.67	130.93	52.368		
14,200.00	7,321.00	7,720.19	7,247.71	183.70	47.34	88.97	-4,362.95	34.66	6,950.34	6,819.20	131.14	52.999		
14,300.00	7,321.00	7,719.82	7,247.33	185.54	47.34	88.96	-4,362.95	34.66	7,044.24	6,912.90	131.34	53.632		
14,400.00	7,321.00	7,719.44	7,246.95	187.40	47.34	88.95	-4,362.95	34.66	7,138.31	7,006.77	131.54	54.266		
14,500.00	7,321.00	7,719.06	7,246.58	189.29	47.34	88.94	-4,362.96	34.66	7,232.54	7,100.81	131.74	54.902		
14,600.00	7,321.00	7,718.69	7,246.20	191.20	47.34	88.93	-4,362.96	34.66	7,326.93	7,195.00	131.92	55.539		
14,700.00	7,321.00	7,718.32	7,245.83	193.13	47.34	88.92	-4,362.96	34.66	7,421.46	7,289.35	132.11	56.178		
14,800.00	7,321.00	7,717.94	7,245.46	195.08	47.34	88.92	-4,362.97	34.66	7,516.13	7,383.84	132.28	56.818		
14,900.00	7,321.00	7,717.57	7,245.09	197.05	47.33	88.91	-4,362.97	34.65	7,610.94	7,478.48	132.46	57.459		
15,000.00	7,321.00	7,717.21	7,244.72	199.04	47.33	88.90	-4,362.97	34.65	7,705.87	7,573.25	132.63	58.102		
15,100.00	7,321.00	7,716.84	7,244.35	201.06	47.33	88.89	-4,362.97	34.65	7,800.94	7,668.15	132.79	58.745		
15,200.00	7,321.00	7,716.48	7,243.99	203.09	47.33	88.88	-4,362.98	34.65	7,896.13	7,763.17	132.95	59.390		
15,300.00	7,321.00	7,716.11	7,243.63	205.14	47.33	88.87	-4,362.98	34.65	7,991.43	7,858.32	133.11	60.036		
15,400.00	7,321.00	7,715.75	7,243.27	207.21	47.33	88.86	-4,362.98	34.65	8,086.85	7,953.59	133.26	60.683		
15,500.00	7,321.00	7,715.39	7,242.91	209.29	47.33	88.85	-4,362.98	34.65	8,182.38	8,048.96	133.41	61.330		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 36-T7N-R67W - EXIST HZ BALDRIDGE 7-1 - 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	
15,600.00	7,321.00	7,715.03	7,242.55	211.39	47.33	88.85	-4,362.99	34.64	8,278.01	8,144.45	133.56	61.979	
15,700.00	7,321.00	7,714.68	7,242.19	213.51	47.33	88.84	-4,362.99	34.64	8,373.75	8,240.04	133.71	62.628	
15,800.00	7,321.00	7,714.32	7,241.84	215.65	47.33	88.83	-4,362.99	34.64	8,469.58	8,335.74	133.85	63.279	
15,900.00	7,321.00	7,713.97	7,241.48	217.80	47.33	88.82	-4,362.99	34.64	8,565.51	8,431.53	133.98	63.930	
16,000.00	7,321.00	7,713.62	7,241.13	219.96	47.33	88.81	-4,363.00	34.64	8,661.53	8,527.42	134.12	64.582	
16,100.00	7,321.00	7,713.27	7,240.78	222.14	47.33	88.80	-4,363.00	34.64	8,757.64	8,623.39	134.25	65.234	
16,200.00	7,321.00	7,712.92	7,240.43	224.34	47.33	88.80	-4,363.00	34.64	8,853.84	8,719.46	134.38	65.887	
16,300.00	7,321.00	7,712.57	7,240.08	226.55	47.33	88.79	-4,363.00	34.63	8,950.12	8,815.62	134.51	66.541	
16,400.00	7,321.00	7,712.22	7,239.74	228.77	47.33	88.78	-4,363.01	34.63	9,046.48	8,911.85	134.63	67.195	
16,500.00	7,321.00	7,711.88	7,239.39	231.00	47.32	88.77	-4,363.01	34.63	9,142.92	9,008.17	134.75	67.850	
16,600.00	7,321.00	7,711.53	7,239.05	233.25	47.32	88.76	-4,363.01	34.63	9,239.43	9,104.56	134.87	68.506	
16,700.00	7,321.00	7,711.19	7,238.71	235.51	47.32	88.75	-4,363.02	34.63	9,336.02	9,201.03	134.99	69.161	
16,800.00	7,321.00	7,710.85	7,238.37	237.78	47.32	88.75	-4,363.02	34.63	9,432.68	9,297.58	135.10	69.818	
16,900.00	7,321.00	7,710.51	7,238.03	240.06	47.32	88.74	-4,363.02	34.63	9,529.41	9,394.19	135.22	70.475	
17,000.00	7,321.00	7,710.17	7,237.69	242.35	47.32	88.73	-4,363.02	34.63	9,626.20	9,490.87	135.33	71.132	
17,100.00	7,321.00	7,709.84	7,237.35	244.66	47.32	88.72	-4,363.03	34.62	9,723.06	9,587.62	135.44	71.789	
17,200.00	7,321.00	7,709.50	7,237.02	246.97	47.32	88.71	-4,363.03	34.62	9,819.99	9,684.44	135.55	72.447	
17,300.00	7,321.00	7,709.17	7,236.68	249.29	47.32	88.71	-4,363.03	34.62	9,916.97	9,781.32	135.65	73.105	
17,400.00	7,321.00	7,708.84	7,236.35	251.63	47.32	88.70	-4,363.03	34.62	10,014.01	9,878.25	135.76	73.764	
17,500.00	7,321.00	7,708.51	7,236.02	253.97	47.32	88.69	-4,363.04	34.62	10,111.11	9,975.25	135.86	74.422	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 98-MWVD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	107.64	107.64	0.27	0.16	-177.05	-2,122.62	-109.44	2,125.76	2,125.32	0.43	4,906.252	
200.00	200.00	185.00	184.99	0.63	0.45	-177.06	-2,122.09	-109.01	2,124.93	2,123.85	1.08	1,963.420	
300.00	299.98	239.66	239.64	0.97	0.65	-20.34	-2,122.50	-108.34	2,123.86	2,122.24	1.62	1,311.015	
400.00	399.84	298.87	298.83	1.32	0.86	-20.42	-2,123.96	-107.15	2,121.35	2,119.17	2.17	976.283	
500.00	499.45	366.00	365.83	1.68	1.10	-20.57	-2,127.24	-104.74	2,117.70	2,114.93	2.76	766.034	
600.00	598.70	404.56	404.24	2.07	1.24	-20.71	-2,129.99	-102.82	2,112.86	2,109.60	3.27	647.046	
700.00	697.47	457.00	456.35	2.48	1.44	-20.92	-2,134.87	-99.63	2,107.21	2,103.39	3.82	551.207	
800.00	795.62	513.96	512.78	2.93	1.67	-21.20	-2,141.39	-95.44	2,100.47	2,096.05	4.41	475.977	
900.00	893.06	576.93	574.95	3.41	1.93	-21.56	-2,149.72	-89.99	2,092.37	2,087.33	5.04	415.176	
1,000.00	989.64	644.00	640.95	3.93	2.23	-22.00	-2,159.62	-83.22	2,082.71	2,077.01	5.70	365.411	
1,100.00	1,085.27	713.89	709.49	4.50	2.55	-22.52	-2,170.88	-75.49	2,071.39	2,064.99	6.39	323.944	
1,200.00	1,179.82	783.20	777.28	5.11	2.88	-23.09	-2,182.93	-67.55	2,058.36	2,051.25	7.11	289.663	
1,300.00	1,273.17	832.00	824.90	5.77	3.12	-23.56	-2,191.94	-61.83	2,043.84	2,036.10	7.75	263.856	
1,400.00	1,365.21	902.22	893.12	6.48	3.48	-24.24	-2,206.10	-53.13	2,028.03	2,019.52	8.51	238.335	
1,500.00	1,455.84	965.73	954.43	7.23	3.83	-24.95	-2,220.22	-44.47	2,011.34	2,002.07	9.27	216.965	
1,600.00	1,544.94	1,019.00	1,005.62	8.04	4.13	-25.62	-2,232.55	-36.38	1,993.26	1,983.25	10.01	199.171	
1,700.00	1,632.39	1,089.79	1,073.29	8.90	4.55	-26.54	-2,249.91	-24.99	1,973.98	1,963.11	10.87	181.617	
1,800.00	1,718.11	1,152.03	1,132.45	9.81	4.93	-27.44	-2,266.27	-14.64	1,953.87	1,942.15	11.72	166.667	
1,900.00	1,801.97	1,206.00	1,183.48	10.77	5.27	-28.31	-2,280.97	-5.04	1,932.70	1,920.13	12.57	153.775	
2,000.00	1,883.88	1,262.86	1,236.88	11.78	5.66	-29.27	-2,297.33	5.59	1,910.92	1,897.45	13.47	141.839	
2,100.00	1,963.74	1,300.00	1,271.52	12.84	5.91	-30.02	-2,308.68	12.72	1,889.03	1,874.73	14.30	132.123	
2,200.00	2,041.45	1,355.73	1,323.07	13.95	6.32	-31.07	-2,326.79	23.71	1,867.00	1,851.73	15.28	122.191	
2,300.00	2,116.92	1,394.00	1,358.14	15.10	6.60	-31.90	-2,340.00	31.47	1,845.18	1,828.99	16.19	113.960	
2,400.00	2,190.05	1,456.42	1,414.85	16.31	7.09	-33.18	-2,362.46	44.71	1,823.26	1,805.94	17.32	105.268	
2,500.00	2,260.76	1,516.59	1,469.03	17.56	7.58	-34.50	-2,384.84	58.27	1,801.24	1,782.74	18.49	97.392	
2,600.00	2,328.95	1,587.12	1,532.29	18.85	8.16	-36.10	-2,411.45	74.54	1,778.69	1,758.88	19.82	89.763	
2,700.00	2,394.55	1,673.97	1,610.16	20.19	8.89	-38.13	-2,444.03	95.00	1,755.21	1,733.87	21.35	82.227	
2,800.00	2,457.48	1,759.43	1,686.90	21.57	9.61	-40.27	-2,475.39	115.75	1,730.67	1,707.71	22.96	75.364	
2,900.00	2,518.85	1,839.91	1,759.27	22.98	10.29	-42.10	-2,504.32	135.80	1,706.52	1,681.89	24.63	69.289	
3,000.00	2,580.20	1,918.41	1,829.94	24.39	10.96	-43.91	-2,532.05	155.76	1,684.49	1,658.14	26.35	63.925	
3,100.00	2,641.56	1,988.37	1,892.92	25.81	11.56	-45.56	-2,556.32	174.17	1,664.88	1,636.81	28.07	59.317	
3,200.00	2,702.91	2,050.00	1,948.35	27.23	12.08	-47.00	-2,578.40	189.61	1,648.21	1,618.45	29.76	55.385	
3,300.00	2,764.27	2,106.16	1,998.66	28.65	12.58	-48.32	-2,599.14	203.50	1,634.83	1,603.38	31.45	51.988	
3,400.00	2,825.62	2,171.44	2,056.77	30.08	13.15	-49.86	-2,623.72	220.25	1,625.00	1,591.72	33.27	48.835	
3,500.00	2,886.98	2,258.34	2,134.34	31.51	13.92	-51.94	-2,655.89	242.58	1,617.53	1,582.13	35.40	45.698	
3,600.00	2,948.33	2,331.67	2,199.88	32.95	14.57	-53.69	-2,683.19	260.96	1,612.67	1,575.25	37.42	43.096	
3,700.00	3,009.68	2,415.52	2,274.91	34.38	15.31	-55.68	-2,714.43	281.58	1,610.37	1,570.76	39.62	40.651	
3,742.88	3,035.99	2,448.99	2,304.91	35.00	15.60	-56.48	-2,726.80	289.77	1,610.13	1,569.59	40.54	39.714 CC	
3,800.00	3,071.04	2,492.86	2,344.24	35.82	15.99	-57.52	-2,743.10	300.35	1,610.56	1,568.78	41.78	38.548 ES	
3,900.00	3,132.39	2,567.93	2,411.54	37.25	16.64	-59.30	-2,771.15	318.23	1,613.43	1,569.47	43.95	36.708	
4,000.00	3,193.75	2,640.51	2,476.60	38.69	17.28	-61.01	-2,798.21	335.60	1,619.06	1,572.93	46.12	35.102	
4,100.00	3,255.10	2,711.00	2,539.76	40.13	17.90	-62.67	-2,824.42	352.73	1,627.56	1,579.27	48.29	33.706	
4,200.00	3,316.46	2,782.56	2,603.88	41.58	18.53	-64.36	-2,850.75	370.50	1,638.91	1,588.43	50.48	32.469	
4,300.00	3,377.81	2,843.61	2,658.51	43.02	19.08	-65.80	-2,873.20	385.94	1,653.22	1,600.71	52.51	31.482	
4,400.00	3,439.17	2,909.66	2,717.23	44.46	19.67	-67.31	-2,898.37	402.70	1,670.77	1,616.16	54.61	30.596	
4,500.00	3,500.52	3,010.70	2,807.37	45.91	20.58	-69.60	-2,936.63	427.60	1,690.20	1,632.96	57.24	29.530	
4,600.00	3,561.88	3,102.76	2,890.06	47.35	21.38	-71.65	-2,970.61	449.58	1,711.08	1,651.36	59.72	28.653	
4,700.00	3,623.23	3,174.00	2,954.34	48.80	22.00	-73.23	-2,996.43	466.20	1,733.65	1,671.80	61.85	28.028	
4,800.00	3,684.59	3,239.51	3,013.33	50.24	22.57	-74.65	-3,020.41	481.60	1,758.76	1,694.89	63.87	27.537	
4,900.00	3,745.94	3,308.96	3,075.45	51.69	23.18	-76.12	-3,046.55	498.36	1,786.76	1,720.84	65.92	27.107	
5,000.00	3,807.30	3,397.97	3,155.23	53.14	23.97	-77.96	-3,079.88	519.50	1,816.44	1,748.18	68.26	26.610	
5,100.00	3,868.65	3,482.72	3,231.46	54.58	24.71	-79.68	-3,111.31	539.05	1,847.40	1,776.89	70.50	26.204	

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 MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 98-MWVD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	3,930.01	3,549.00	3,291.17	56.03	25.28	-81.00	-3,135.66	554.40	1,880.17	1,807.79	72.39	25.973		
5,300.00	3,991.36	3,601.93	3,338.78	57.48	25.74	-82.04	-3,155.00	567.10	1,915.31	1,841.32	73.99	25.885		
5,400.00	4,052.72	3,657.23	3,388.33	58.93	26.23	-83.11	-3,175.16	581.11	1,953.06	1,877.47	75.58	25.840		
5,500.00	4,114.07	3,741.27	3,463.82	60.38	26.97	-84.72	-3,205.23	602.56	1,992.45	1,914.78	77.66	25.655		
5,600.00	4,175.43	3,823.81	3,538.10	61.83	27.70	-86.26	-3,234.68	623.25	2,033.01	1,953.33	79.68	25.516		
5,700.00	4,236.78	3,906.00	3,612.15	63.28	28.41	-87.74	-3,264.04	643.49	2,074.67	1,993.02	81.65	25.410 SF		
5,800.00	4,298.14	3,973.01	3,672.62	64.73	28.99	-88.93	-3,287.75	659.94	2,117.59	2,034.29	83.30	25.421		
5,900.00	4,359.49	4,033.15	3,726.75	66.18	29.52	-89.96	-3,309.23	674.96	2,162.15	2,077.36	84.79	25.500		
6,000.00	4,420.85	4,087.18	3,775.10	67.63	30.00	-90.85	-3,328.96	688.82	2,208.48	2,122.35	86.13	25.642		
6,100.00	4,482.20	4,149.18	3,830.22	69.08	30.57	-91.84	-3,352.21	705.12	2,256.45	2,168.85	87.60	25.758		
6,200.00	4,543.55	4,216.89	3,890.02	70.53	31.20	-92.87	-3,378.42	723.05	2,305.62	2,216.44	89.18	25.853		
6,300.00	4,604.91	4,279.82	3,945.21	71.98	31.80	-93.78	-3,403.53	739.89	2,355.97	2,265.32	90.65	25.989		
6,400.00	4,666.26	4,370.94	4,024.83	73.44	32.68	-95.04	-3,440.51	764.27	2,407.15	2,314.44	92.71	25.963		
6,500.00	4,727.62	4,439.39	4,084.91	74.89	33.33	-95.96	-3,467.96	782.27	2,458.68	2,364.41	94.27	26.082		
6,600.00	4,788.97	4,503.26	4,141.12	76.34	33.93	-96.81	-3,492.96	799.43	2,511.34	2,415.64	95.70	26.243		
6,700.00	4,850.33	4,568.63	4,216.74	77.79	34.73	-97.94	-3,525.33	822.29	2,564.64	2,467.09	97.55	26.292		
6,800.00	4,911.68	4,691.98	4,308.89	79.24	35.66	-99.27	-3,563.68	849.04	2,617.93	2,518.20	99.72	26.252		
6,900.00	4,973.04	4,767.00	4,376.23	80.70	36.33	-100.22	-3,590.80	867.97	2,671.44	2,570.15	101.29	26.374		
7,000.00	5,034.39	4,830.31	4,433.12	82.15	36.89	-101.01	-3,613.49	884.03	2,725.73	2,623.13	102.60	26.567		
7,100.00	5,095.75	4,924.20	4,517.12	83.60	37.73	-102.12	-3,647.87	908.03	2,780.76	2,676.23	104.53	26.603		
7,200.00	5,157.10	5,037.54	4,618.78	85.05	38.73	-103.40	-3,689.74	935.53	2,835.27	2,728.44	106.82	26.542		
7,300.00	5,218.46	5,094.47	4,670.25	86.51	39.22	-104.04	-3,710.00	949.01	2,890.01	2,782.05	107.96	26.768		
7,400.00	5,279.81	5,149.19	4,719.51	87.96	39.70	-104.63	-3,729.68	962.42	2,945.83	2,836.79	109.05	27.014		
7,500.00	5,341.17	5,238.77	4,800.14	89.41	40.48	-105.57	-3,761.96	984.37	3,002.14	2,891.32	110.82	27.090		
7,600.00	5,402.52	5,291.97	4,847.88	90.87	40.96	-106.11	-3,781.42	997.51	3,058.98	2,947.11	111.87	27.344		
7,700.00	5,463.88	5,358.57	4,907.22	92.32	41.56	-106.75	-3,806.48	1,014.45	3,116.65	3,003.46	113.19	27.535		
7,800.00	5,525.23	5,460.65	4,998.24	93.77	42.48	-107.70	-3,844.95	1,040.04	3,174.44	3,059.20	115.24	27.546		
7,900.00	5,586.59	5,554.94	5,082.83	95.23	43.32	-108.55	-3,879.98	1,062.61	3,231.77	3,114.68	117.09	27.600		
8,000.00	5,647.94	5,627.44	5,148.35	96.68	43.94	-109.21	-3,905.84	1,079.73	3,289.48	3,171.00	118.48	27.765		
8,100.00	5,709.30	5,704.00	5,217.88	98.13	44.59	-109.90	-3,932.54	1,097.44	3,347.33	3,227.42	119.91	27.916		
8,200.00	5,770.65	5,759.43	5,268.19	99.59	45.06	-110.39	-3,951.88	1,110.40	3,405.74	3,284.81	120.93	28.163		
8,300.00	5,832.01	5,810.46	5,314.28	101.04	45.50	-110.82	-3,969.90	1,122.84	3,465.08	3,343.23	121.85	28.437		
8,400.00	5,893.36	5,881.47	5,378.65	102.49	46.10	-111.42	-3,994.35	1,140.19	3,524.95	3,401.79	123.16	28.621		
8,500.00	5,954.72	5,930.81	5,423.53	103.95	46.52	-111.84	-4,010.88	1,152.28	3,585.36	3,461.33	124.02	28.909		
8,600.00	6,016.07	5,985.00	5,472.69	105.40	46.98	-112.28	-4,029.09	1,166.03	3,646.61	3,521.63	124.97	29.179		
8,700.00	6,077.43	6,067.44	5,547.77	106.86	47.67	-112.95	-4,056.06	1,186.81	3,708.27	3,581.81	126.47	29.322		
8,800.00	6,138.78	6,276.99	5,739.63	108.31	49.38	-114.58	-4,125.55	1,234.40	3,767.81	3,637.46	130.35	28.906		
8,900.00	6,200.13	6,336.48	5,794.54	109.76	49.84	-115.03	-4,144.66	1,247.00	3,827.30	3,695.95	131.35	29.138		
9,000.00	6,261.49	6,456.33	5,906.91	111.22	50.70	-116.00	-4,178.94	1,270.59	3,886.92	3,753.62	133.30	29.160		
9,100.00	6,322.84	6,503.08	5,951.38	112.67	51.00	-116.41	-4,190.62	1,279.02	3,946.49	3,812.54	133.95	29.462		
9,200.00	6,384.20	6,580.13	6,024.94	114.13	51.48	-117.07	-4,208.80	1,292.93	4,006.80	3,871.76	135.04	29.670		
9,300.00	6,445.55	6,797.43	6,235.02	115.58	52.70	-118.98	-4,254.53	1,324.29	4,065.22	3,927.31	137.91	29.477		
9,400.00	6,506.91	6,950.83	6,384.57	117.03	53.47	-120.31	-4,284.11	1,341.27	4,122.74	3,983.04	139.71	29.510		
9,500.00	6,568.26	7,015.00	6,447.33	118.49	53.77	-120.87	-4,295.96	1,347.41	4,179.93	4,039.49	140.44	29.764		
9,600.00	6,629.62	7,065.26	6,496.58	119.94	54.00	-121.30	-4,304.75	1,352.17	4,237.77	4,096.79	140.98	30.059		
9,700.00	6,690.97	7,109.00	6,539.54	121.40	54.20	-121.68	-4,311.80	1,356.45	4,296.55	4,155.11	141.44	30.378		
9,800.00	6,752.33	7,147.60	6,577.50	122.85	54.37	-122.02	-4,317.64	1,360.34	4,356.17	4,214.37	141.81	30.719		
9,900.00	6,813.68	7,203.00	6,632.03	124.31	54.61	-122.50	-4,325.55	1,366.09	4,416.63	4,274.29	142.34	31.029		
10,000.00	6,875.04	7,276.67	6,704.76	125.76	54.90	-123.14	-4,334.86	1,373.25	4,477.58	4,334.57	143.01	31.309		
10,100.00	6,936.39	7,435.80	6,862.77	127.22	55.44	-124.58	-4,350.23	1,383.85	4,537.80	4,393.48	144.32	31.443		
10,200.00	6,997.75	7,511.57	6,938.29	128.67	55.65	-125.27	-4,355.32	1,387.00	4,597.98	4,453.16	144.82	31.749		
10,300.00	7,059.10	7,583.64	7,010.23	130.13	55.84	-125.94	-4,359.13	1,389.32	4,658.51	4,513.26	145.25	32.072		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 98-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	7,118.86	7,641.47	7,067.98	131.62	55.98	-135.85	-4,361.58	1,390.85	4,724.31	4,578.73	145.58	32.453		
10,500.00	7,173.55	7,762.60	7,189.05	133.17	56.23	-148.60	-4,365.11	1,392.62	4,801.20	4,654.93	146.26	32.825		
10,600.00	7,221.49	7,816.58	7,243.02	134.72	56.33	-163.49	-4,366.13	1,392.55	4,886.24	4,739.68	146.56	33.340		
10,700.00	7,261.21	7,859.94	7,286.38	136.22	56.41	175.77	-4,366.76	1,392.36	4,977.32	4,830.54	146.79	33.908		
10,800.00	7,291.51	7,886.87	7,313.30	137.61	56.46	146.53	-4,367.15	1,392.25	5,071.69	4,924.76	146.92	34.519		
10,900.00	7,311.47	7,904.78	7,331.20	138.86	56.49	116.18	-4,367.45	1,392.21	5,166.55	5,019.55	147.00	35.146		
11,000.00	7,320.48	7,912.84	7,339.26	139.92	56.51	95.45	-4,367.59	1,392.20	5,259.19	5,112.16	147.02	35.771		
11,100.00	7,321.00	7,913.35	7,339.78	140.82	56.51	91.14	-4,367.60	1,392.20	5,348.60	5,201.58	147.01	36.382		
11,200.00	7,321.00	7,913.41	7,339.84	141.74	56.51	91.14	-4,367.60	1,392.20	5,438.12	5,291.12	147.00	36.994		
11,300.00	7,321.00	7,913.47	7,339.89	142.69	56.51	91.14	-4,367.60	1,392.20	5,528.00	5,381.02	146.99	37.609		
11,400.00	7,321.00	7,913.52	7,339.95	143.67	56.51	91.14	-4,367.60	1,392.20	5,618.23	5,471.26	146.97	38.226		
11,500.00	7,321.00	7,913.58	7,340.00	144.68	56.51	91.14	-4,367.61	1,392.20	5,708.78	5,561.82	146.96	38.845		
11,600.00	7,321.00	7,913.63	7,340.06	145.73	56.51	91.15	-4,367.61	1,392.20	5,799.64	5,652.70	146.95	39.467		
11,700.00	7,321.00	7,913.68	7,340.11	146.80	56.51	91.15	-4,367.61	1,392.20	5,890.80	5,743.87	146.94	40.091		
11,800.00	7,321.00	7,913.74	7,340.16	147.91	56.51	91.15	-4,367.61	1,392.20	5,982.24	5,835.32	146.92	40.717		
11,900.00	7,321.00	7,913.79	7,340.21	149.05	56.51	91.15	-4,367.61	1,392.20	6,073.95	5,927.04	146.91	41.344		
12,000.00	7,321.00	7,913.84	7,340.26	150.22	56.51	91.15	-4,367.61	1,392.20	6,165.92	6,019.02	146.90	41.974		
12,100.00	7,321.00	7,913.89	7,340.31	151.42	56.51	91.15	-4,367.61	1,392.20	6,258.14	6,111.25	146.89	42.605		
12,200.00	7,321.00	7,913.94	7,340.36	152.66	56.51	91.15	-4,367.61	1,392.20	6,350.59	6,203.71	146.88	43.238		
12,300.00	7,321.00	7,913.99	7,340.41	153.93	56.51	91.15	-4,367.61	1,392.20	6,443.26	6,296.40	146.87	43.872		
12,400.00	7,321.00	7,914.04	7,340.46	155.22	56.51	91.16	-4,367.61	1,392.20	6,536.15	6,389.30	146.85	44.508		
12,500.00	7,321.00	7,914.08	7,340.51	156.55	56.51	91.16	-4,367.62	1,392.20	6,629.25	6,482.41	146.84	45.145		
12,600.00	7,321.00	7,914.13	7,340.56	157.91	56.51	91.16	-4,367.62	1,392.20	6,722.55	6,575.71	146.83	45.783		
12,700.00	7,321.00	7,914.18	7,340.60	159.31	56.51	91.16	-4,367.62	1,392.20	6,816.03	6,669.21	146.83	46.423		
12,800.00	7,321.00	7,914.22	7,340.65	160.73	56.51	91.16	-4,367.62	1,392.20	6,909.70	6,762.89	146.82	47.064		
12,900.00	7,321.00	7,914.27	7,340.69	162.18	56.51	91.16	-4,367.62	1,392.20	7,003.55	6,856.74	146.81	47.706		
13,000.00	7,321.00	7,914.31	7,340.74	163.67	56.51	91.16	-4,367.62	1,392.20	7,097.56	6,950.76	146.80	48.349		
13,100.00	7,321.00	7,914.36	7,340.78	165.18	56.51	91.16	-4,367.62	1,392.20	7,191.73	7,044.94	146.79	48.993		
13,200.00	7,321.00	7,914.40	7,340.82	166.73	56.51	91.16	-4,367.62	1,392.20	7,286.06	7,139.28	146.78	49.638		
13,300.00	7,321.00	7,914.44	7,340.87	168.30	56.51	91.17	-4,367.62	1,392.20	7,380.54	7,233.76	146.78	50.284		
13,400.00	7,321.00	7,914.48	7,340.91	169.90	56.51	91.17	-4,367.62	1,392.20	7,475.16	7,328.39	146.77	50.931		
13,500.00	7,321.00	7,914.53	7,340.95	171.53	56.51	91.17	-4,367.62	1,392.20	7,569.92	7,423.16	146.77	51.578		
13,600.00	7,321.00	7,914.57	7,340.99	173.19	56.51	91.17	-4,367.62	1,392.20	7,664.82	7,518.06	146.76	52.227		
13,700.00	7,321.00	7,914.61	7,341.03	174.88	56.51	91.17	-4,367.62	1,392.20	7,759.84	7,613.08	146.76	52.876		
13,800.00	7,321.00	7,914.65	7,341.07	176.59	56.51	91.17	-4,367.63	1,392.20	7,854.98	7,708.23	146.75	53.526		
13,900.00	7,321.00	7,914.69	7,341.11	178.33	56.51	91.17	-4,367.63	1,392.20	7,950.25	7,803.50	146.75	54.177		
14,000.00	7,321.00	7,914.73	7,341.15	180.09	56.51	91.17	-4,367.63	1,392.20	8,045.63	7,898.88	146.74	54.828		
14,100.00	7,321.00	7,914.77	7,341.19	181.88	56.51	91.17	-4,367.63	1,392.20	8,141.12	7,994.38	146.74	55.480		
14,200.00	7,321.00	7,914.80	7,341.23	183.70	56.51	91.17	-4,367.63	1,392.20	8,236.72	8,089.98	146.74	56.132		
14,300.00	7,321.00	7,914.84	7,341.27	185.54	56.51	91.17	-4,367.63	1,392.20	8,332.42	8,185.68	146.74	56.785		
14,400.00	7,321.00	7,914.88	7,341.30	187.40	56.51	91.18	-4,367.63	1,392.20	8,428.22	8,281.48	146.74	57.438		
14,500.00	7,321.00	7,914.92	7,341.34	189.29	56.51	91.18	-4,367.63	1,392.20	8,524.11	8,377.38	146.73	58.092		
14,600.00	7,321.00	7,914.95	7,341.38	191.20	56.51	91.18	-4,367.63	1,392.20	8,620.10	8,473.37	146.73	58.746		
14,700.00	7,321.00	7,914.99	7,341.41	193.13	56.51	91.18	-4,367.63	1,392.20	8,716.18	8,569.45	146.73	59.401		
14,800.00	7,321.00	7,915.02	7,341.45	195.08	56.51	91.18	-4,367.63	1,392.20	8,812.35	8,665.62	146.74	60.056		
14,900.00	7,321.00	7,915.06	7,341.48	197.05	56.51	91.18	-4,367.63	1,392.20	8,908.60	8,761.87	146.74	60.712		
15,000.00	7,321.00	7,915.09	7,341.52	199.04	56.51	91.18	-4,367.63	1,392.20	9,004.94	8,858.20	146.74	61.367		
15,100.00	7,321.00	7,915.13	7,341.55	201.06	56.51	91.18	-4,367.63	1,392.20	9,101.35	8,954.61	146.74	62.023		
15,200.00	7,321.00	7,915.16	7,341.59	203.09	56.51	91.18	-4,367.64	1,392.20	9,197.84	9,051.10	146.74	62.680		
15,300.00	7,321.00	7,915.20	7,341.62	205.14	56.51	91.18	-4,367.64	1,392.20	9,294.40	9,147.66	146.75	63.336		
15,400.00	7,321.00	7,915.23	7,341.65	207.21	56.51	91.18	-4,367.64	1,392.20	9,391.04	9,244.29	146.75	63.993		
15,500.00	7,321.00	7,915.26	7,341.69	209.29	56.51	91.18	-4,367.64	1,392.20	9,487.74	9,340.99	146.75	64.651		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 98-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	
15,600.00	7,321.00	7,915.30	7,341.72	211.39	56.51	91.19	-4,367.64	1,392.20	9,584.52	9,437.76	146.76	65.308	
15,700.00	7,321.00	7,915.33	7,341.75	213.51	56.51	91.19	-4,367.64	1,392.20	9,681.36	9,534.59	146.76	65.965	
15,800.00	7,321.00	7,915.36	7,341.78	215.65	56.51	91.19	-4,367.64	1,392.20	9,778.26	9,631.49	146.77	66.623	
15,900.00	7,321.00	7,915.39	7,341.82	217.80	56.51	91.19	-4,367.64	1,392.20	9,875.22	9,728.45	146.78	67.281	
16,000.00	7,321.00	7,915.42	7,341.85	219.96	56.51	91.19	-4,367.64	1,392.20	9,972.25	9,825.46	146.78	67.939	
16,100.00	7,321.00	7,915.45	7,341.88	222.14	56.51	91.19	-4,367.64	1,392.20	10,069.33	9,922.54	146.79	68.597	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 96-MWVD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	82.83	82.83	0.27	0.12	-178.26	-2,122.95	-64.67	2,123.97	2,123.58	0.39	5,405.799	
200.00	200.00	191.13	191.12	0.63	0.48	-178.28	-2,122.12	-63.76	2,123.18	2,122.07	1.11	1,910.169	
300.00	299.98	286.01	285.99	0.97	0.82	-21.59	-2,121.39	-62.49	2,120.74	2,118.95	1.80	1,180.139	
400.00	399.84	380.99	380.95	1.32	1.16	-21.73	-2,120.80	-60.53	2,115.20	2,112.72	2.48	851.295	
500.00	499.45	461.34	461.28	1.68	1.45	-21.90	-2,120.83	-59.28	2,107.10	2,103.97	3.13	674.035	
600.00	598.70	548.77	548.71	2.07	1.76	-22.12	-2,121.49	-58.23	2,096.51	2,092.71	3.80	551.914	
700.00	697.47	662.26	662.16	2.48	2.16	-22.49	-2,122.62	-55.55	2,082.99	2,078.42	4.58	454.999	
800.00	795.62	793.28	793.14	2.93	2.63	-22.97	-2,121.24	-52.86	2,064.08	2,058.65	5.43	380.360	
900.00	893.06	883.94	883.79	3.41	2.94	-23.38	-2,120.29	-53.00	2,042.29	2,036.16	6.13	333.152	
1,000.00	989.64	991.44	991.29	3.93	3.31	-23.92	-2,119.07	-52.73	2,017.36	2,010.45	6.91	292.102	
1,100.00	1,085.27	1,091.20	1,090.98	4.50	3.67	-24.60	-2,117.37	-49.87	1,988.85	1,981.18	7.68	259.060	
1,200.00	1,179.82	1,196.48	1,196.12	5.11	4.05	-25.49	-2,115.25	-44.70	1,957.17	1,948.68	8.49	230.623	
1,300.00	1,273.17	1,283.81	1,283.22	5.77	4.37	-26.43	-2,113.22	-38.71	1,922.44	1,913.19	9.25	207.740	
1,400.00	1,365.21	1,360.73	1,359.83	6.48	4.66	-27.44	-2,111.73	-31.96	1,885.46	1,875.45	10.01	188.322	
1,500.00	1,455.84	1,441.89	1,440.44	7.23	4.97	-28.68	-2,110.61	-22.75	1,846.53	1,835.72	10.82	170.699	
1,600.00	1,544.94	1,565.33	1,562.56	8.04	5.45	-30.69	-2,107.97	-4.98	1,804.96	1,793.14	11.82	152.716	
1,700.00	1,632.39	1,668.95	1,664.28	8.90	5.88	-32.84	-2,103.19	14.14	1,759.40	1,746.59	12.81	137.351	
1,800.00	1,718.11	1,752.67	1,745.76	9.81	6.25	-35.02	-2,098.39	32.76	1,711.62	1,697.82	13.80	124.040	
1,900.00	1,801.97	1,827.17	1,817.64	10.77	6.60	-37.30	-2,093.63	51.71	1,662.37	1,647.54	14.83	112.070	
2,000.00	1,883.88	1,895.15	1,882.67	11.78	6.94	-39.71	-2,088.98	70.97	1,612.24	1,596.31	15.93	101.211	
2,100.00	1,963.74	1,960.80	1,944.92	12.84	7.29	-42.31	-2,084.24	91.26	1,561.73	1,544.62	17.11	91.257	
2,200.00	2,041.45	2,056.47	2,034.79	13.95	7.83	-46.13	-2,075.60	122.90	1,510.47	1,491.87	18.60	81.224	
2,300.00	2,116.92	2,123.96	2,097.67	15.10	8.24	-49.36	-2,068.16	146.27	1,458.97	1,438.91	20.06	72.732	
2,400.00	2,190.05	2,175.09	2,145.03	16.31	8.56	-52.18	-2,062.04	164.52	1,408.35	1,386.81	21.54	65.376	
2,500.00	2,260.76	2,218.45	2,185.03	17.56	8.84	-54.81	-2,056.79	180.42	1,359.64	1,336.55	23.09	58.880	
2,600.00	2,328.95	2,263.44	2,226.40	18.85	9.14	-57.57	-2,051.30	197.21	1,313.41	1,288.63	24.78	53.008	
2,700.00	2,394.55	2,308.61	2,268.01	20.19	9.44	-60.37	-2,045.73	213.90	1,270.11	1,243.53	26.58	47.779	
2,800.00	2,457.48	2,345.56	2,302.10	21.57	9.69	-62.81	-2,041.18	227.39	1,230.45	1,202.03	28.42	43.298	
2,900.00	2,518.85	2,378.08	2,332.19	22.98	9.91	-64.37	-2,037.39	239.15	1,195.91	1,165.64	30.27	39.509	
3,000.00	2,580.20	2,412.00	2,363.65	24.39	10.14	-65.95	-2,033.69	251.30	1,167.86	1,135.72	32.14	36.335	
3,100.00	2,641.56	2,452.56	2,401.34	25.81	10.42	-67.84	-2,029.47	265.67	1,146.64	1,112.59	34.05	33.672	
3,200.00	2,702.91	2,494.94	2,440.75	27.23	10.71	-69.82	-2,024.96	280.60	1,132.45	1,096.53	35.92	31.528	
3,300.00	2,764.27	2,532.68	2,475.85	28.65	10.97	-71.60	-2,020.88	293.82	1,125.58	1,087.96	37.62	29.919	
3,339.40	2,788.44	2,546.04	2,488.29	29.22	11.06	-72.23	-2,019.48	298.51	1,124.98	1,086.75	38.23	29.423 CC, ES	
3,400.00	2,825.62	2,566.78	2,507.58	30.08	11.20	-73.20	-2,017.35	305.80	1,126.40	1,087.26	39.13	28.785	
3,500.00	2,886.98	2,601.46	2,539.85	31.51	11.44	-74.82	-2,013.93	318.05	1,134.87	1,094.39	40.47	28.039	
3,600.00	2,948.33	2,639.42	2,575.17	32.95	11.70	-76.59	-2,010.35	331.48	1,150.77	1,109.09	41.68	27.611	
3,700.00	3,009.68	2,678.35	2,611.40	34.38	11.98	-78.40	-2,006.76	345.25	1,173.69	1,130.98	42.71	27.480 SF	
3,800.00	3,071.04	2,717.89	2,648.22	35.82	12.25	-80.22	-2,003.18	359.23	1,203.23	1,159.65	43.58	27.607	
3,900.00	3,132.39	2,758.09	2,685.66	37.25	12.54	-82.05	-1,999.59	373.43	1,238.87	1,194.56	44.31	27.957	
4,000.00	3,193.75	2,799.35	2,724.09	38.69	12.83	-83.90	-1,995.92	387.97	1,280.09	1,235.17	44.93	28.492	
4,100.00	3,255.10	2,855.01	2,776.08	40.13	13.21	-86.36	-1,990.98	407.23	1,326.12	1,280.48	45.64	29.056	
4,200.00	3,316.46	2,904.74	2,822.71	41.58	13.56	-88.52	-1,986.55	423.94	1,376.27	1,330.09	46.18	29.802	
4,300.00	3,377.81	2,943.95	2,859.50	43.02	13.83	-90.18	-1,983.12	437.06	1,430.45	1,383.94	46.51	30.756	
4,400.00	3,439.17	2,983.36	2,896.47	44.46	14.10	-91.82	-1,979.74	450.30	1,488.30	1,441.51	46.79	31.806	
4,500.00	3,500.52	3,026.25	2,936.70	45.91	14.40	-93.58	-1,975.99	464.68	1,549.36	1,502.27	47.09	32.902	
4,600.00	3,561.88	3,068.44	2,976.29	47.35	14.69	-95.27	-1,972.05	478.72	1,613.25	1,565.90	47.35	34.071	
4,700.00	3,623.23	3,077.00	2,984.32	48.80	14.75	-95.61	-1,971.22	481.56	1,679.97	1,632.85	47.12	35.655	
4,800.00	3,684.59	3,118.09	3,022.75	50.24	15.04	-97.21	-1,967.09	495.49	1,748.99	1,701.65	47.34	36.945	
4,900.00	3,745.94	3,139.83	3,042.98	51.69	15.20	-98.05	-1,964.80	503.12	1,820.59	1,773.31	47.28	38.505	
5,000.00	3,807.30	3,170.00	3,070.93	53.14	15.42	-99.18	-1,961.51	514.00	1,894.36	1,847.02	47.35	40.009	
5,100.00	3,868.65	3,203.46	3,101.89	54.58	15.66	-100.42	-1,957.79	526.14	1,969.87	1,922.40	47.47	41.498	

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

Civitas Resources
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 96-MWVD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	3,930.01	3,265.99	3,159.97	56.03	16.12	-102.66	-1,950.82	548.22	2,046.46	1,998.44	48.02	42.620	
5,300.00	3,991.36	3,302.80	3,194.24	57.48	16.39	-103.94	-1,946.84	561.08	2,124.11	2,075.90	48.20	44.064	
5,400.00	4,052.72	3,341.09	3,229.85	58.93	16.67	-105.22	-1,942.94	574.57	2,202.89	2,154.46	48.43	45.487	
5,500.00	4,114.07	3,385.36	3,271.04	60.38	16.99	-106.65	-1,938.64	590.25	2,282.66	2,233.90	48.76	46.818	
5,600.00	4,175.43	3,434.02	3,316.38	61.83	17.35	-108.17	-1,933.78	607.21	2,363.18	2,314.02	49.15	48.078	
5,700.00	4,236.78	3,471.95	3,351.77	63.28	17.62	-109.32	-1,929.87	620.26	2,444.41	2,395.01	49.40	49.479	
5,800.00	4,298.14	3,503.06	3,380.79	64.73	17.85	-110.25	-1,926.52	630.98	2,526.49	2,476.92	49.57	50.972	
5,900.00	4,359.49	3,533.59	3,409.24	66.18	18.07	-111.13	-1,923.13	641.53	2,609.36	2,559.63	49.73	52.470	
6,000.00	4,420.85	3,583.82	3,456.04	67.63	18.44	-112.55	-1,917.50	658.88	2,692.88	2,642.69	50.18	53.661	
6,100.00	4,482.20	3,657.64	3,525.00	69.08	18.97	-114.51	-1,909.98	684.12	2,776.62	2,725.64	50.98	54.462	
6,200.00	4,543.55	3,817.87	3,676.01	70.53	20.08	-118.37	-1,896.80	736.00	2,859.83	2,806.85	52.97	53.987	
6,300.00	4,604.91	3,826.00	3,683.74	71.98	20.13	-118.56	-1,896.19	738.46	2,942.68	2,889.79	52.88	55.644	
6,400.00	4,666.26	3,865.97	3,721.64	73.44	20.40	-119.45	-1,893.04	750.75	3,026.00	2,972.77	53.23	56.847	
6,500.00	4,727.62	3,885.49	3,740.08	74.89	20.54	-119.87	-1,891.38	756.92	3,110.17	3,056.86	53.31	58.343	
6,600.00	4,788.97	3,920.00	3,772.59	76.34	20.77	-120.61	-1,888.26	768.09	3,195.08	3,141.48	53.60	59.613	
6,700.00	4,850.33	3,920.00	3,772.59	77.79	20.77	-120.61	-1,888.26	768.09	3,280.45	3,227.03	53.42	61.407	
6,800.00	4,911.68	3,956.42	3,806.79	79.24	21.03	-121.36	-1,884.81	780.12	3,366.37	3,312.62	53.75	62.626	
6,900.00	4,973.04	3,987.56	3,835.99	80.70	21.25	-121.99	-1,881.83	790.49	3,452.69	3,398.67	54.02	63.913	
7,000.00	5,034.39	4,014.00	3,860.78	82.15	21.44	-122.51	-1,879.29	799.37	3,539.39	3,485.15	54.23	65.265	
7,100.00	5,095.75	4,051.28	3,895.68	83.60	21.71	-123.22	-1,875.66	811.95	3,626.40	3,571.80	54.60	66.418	
7,200.00	5,157.10	4,083.59	3,925.91	85.05	21.94	-123.82	-1,872.47	822.90	3,713.73	3,658.82	54.91	67.638	
7,300.00	5,218.46	4,117.96	3,958.05	86.51	22.19	-124.44	-1,869.03	834.59	3,801.34	3,746.10	55.25	68.807	
7,400.00	5,279.81	4,158.53	3,995.99	87.96	22.48	-125.16	-1,864.90	848.35	3,889.17	3,833.49	55.68	69.851	
7,500.00	5,341.17	4,198.99	4,033.85	89.41	22.78	-125.85	-1,860.69	861.98	3,977.16	3,921.05	56.11	70.880	
7,600.00	5,402.52	4,227.50	4,060.52	90.87	22.99	-126.33	-1,857.70	871.60	4,065.38	4,008.99	56.39	72.098	
7,700.00	5,463.88	4,255.17	4,086.36	92.32	23.19	-126.78	-1,854.83	881.07	4,153.86	4,097.21	56.66	73.316	
7,800.00	5,525.23	4,295.00	4,123.49	93.77	23.48	-127.41	-1,850.75	894.90	4,242.63	4,185.53	57.10	74.296	
7,900.00	5,586.59	4,310.03	4,137.48	95.23	23.59	-127.64	-1,849.22	900.18	4,331.60	4,274.38	57.21	75.710	
8,000.00	5,647.94	4,337.33	4,162.86	96.68	23.80	-128.05	-1,846.45	909.85	4,420.81	4,363.31	57.50	76.883	
8,100.00	5,709.30	4,364.40	4,187.99	98.13	24.00	-128.44	-1,843.72	919.53	4,510.25	4,452.46	57.79	78.045	
8,200.00	5,770.65	4,392.56	4,214.10	99.59	24.22	-128.84	-1,840.88	929.71	4,599.90	4,541.80	58.10	79.170	
8,300.00	5,832.01	4,430.30	4,249.05	101.04	24.51	-129.36	-1,837.11	943.41	4,689.70	4,631.14	58.56	80.087	
8,400.00	5,893.36	4,468.06	4,284.03	102.49	24.80	-129.87	-1,833.36	957.16	4,779.59	4,720.57	59.02	80.984	
8,500.00	5,954.72	4,508.63	4,321.59	103.95	25.11	-130.40	-1,829.36	971.94	4,869.58	4,810.06	59.52	81.808	
8,600.00	6,016.07	4,550.87	4,360.73	105.40	25.43	-130.94	-1,825.17	987.27	4,959.63	4,899.57	60.06	82.582	
8,700.00	6,077.43	4,576.00	4,384.02	106.86	25.62	-131.25	-1,822.66	996.35	5,049.75	4,989.41	60.35	83.677	
8,800.00	6,138.78	4,576.00	4,384.02	108.31	25.62	-131.25	-1,822.66	996.35	5,140.19	5,079.91	60.28	85.268	
8,900.00	6,200.13	4,618.44	4,423.31	109.76	25.95	-131.76	-1,818.23	1,011.76	5,230.60	5,169.77	60.83	85.992	
9,000.00	6,261.49	4,635.48	4,439.06	111.22	26.09	-131.96	-1,816.35	1,018.00	5,321.36	5,260.35	61.01	87.218	
9,100.00	6,322.84	4,670.00	4,470.90	112.67	26.35	-132.37	-1,812.36	1,030.73	5,412.39	5,350.94	61.45	88.080	
9,200.00	6,384.20	6,657.81	6,400.33	114.13	36.00	-148.55	-1,698.60	1,395.05	5,502.82	5,421.28	81.54	67.488	
9,300.00	6,445.55	6,749.73	6,492.25	115.58	36.19	-149.13	-1,699.13	1,394.11	5,576.00	5,493.80	82.20	67.831	
9,400.00	6,506.91	6,815.89	6,558.40	117.03	36.32	-149.53	-1,699.56	1,393.22	5,649.18	5,566.46	82.72	68.291	
9,500.00	6,568.26	6,895.43	6,637.93	118.49	36.47	-150.01	-1,700.11	1,392.00	5,722.39	5,639.07	83.32	68.681	
9,600.00	6,629.62	6,918.00	6,660.50	119.94	36.52	-150.14	-1,700.31	1,391.62	5,795.75	5,712.16	83.58	69.340	
9,700.00	6,690.97	6,963.09	6,705.58	121.40	36.61	-150.40	-1,700.54	1,391.03	5,869.45	5,785.46	83.99	69.886	
9,800.00	6,752.33	7,012.00	6,754.49	122.85	36.72	-150.68	-1,700.41	1,390.76	5,943.83	5,859.42	84.41	70.416	
9,900.00	6,813.68	7,028.94	6,771.43	124.31	36.76	-150.77	-1,700.31	1,390.73	6,018.47	5,933.84	84.64	71.110	
10,000.00	6,875.04	7,194.87	6,937.35	125.76	37.11	-151.67	-1,700.86	1,389.62	6,092.75	6,006.97	85.78	71.024	
10,100.00	6,936.39	7,306.59	7,049.05	127.22	37.34	-152.25	-1,702.11	1,387.83	6,166.44	6,079.86	86.59	71.216	
10,200.00	6,997.75	7,358.87	7,101.31	128.67	37.45	-152.51	-1,702.83	1,386.96	6,240.08	6,153.04	87.04	71.694	
10,300.00	7,059.10	7,418.49	7,160.92	130.13	37.57	-152.81	-1,703.74	1,386.10	6,313.85	6,226.32	87.54	72.129	

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 96-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	7,118.86	7,477.49	7,219.92	131.62	37.69	-167.82	-1,704.77	1,385.44	6,390.55	6,302.52	88.03	72.592		
10,500.00	7,173.55	7,534.88	7,277.29	133.17	37.82	173.18	-1,705.93	1,384.98	6,472.95	6,384.44	88.51	73.135		
10,600.00	7,221.49	7,583.08	7,325.48	134.72	37.92	152.48	-1,707.05	1,384.76	6,558.56	6,469.69	88.88	73.795		
10,700.00	7,261.21	7,616.42	7,358.81	136.22	37.99	132.16	-1,707.80	1,384.63	6,644.93	6,555.84	89.09	74.587		
10,800.00	7,291.51	7,641.90	7,384.28	137.61	38.05	114.99	-1,708.33	1,384.51	6,729.60	6,640.41	89.20	75.448		
10,900.00	7,311.47	7,658.82	7,401.19	138.86	38.08	102.16	-1,708.66	1,384.43	6,810.23	6,721.03	89.21	76.343		
11,000.00	7,320.48	7,668.00	7,410.38	139.92	38.10	93.35	-1,708.84	1,384.38	6,884.63	6,795.47	89.16	77.221		
11,100.00	7,321.00	7,668.00	7,410.38	140.82	38.10	91.34	-1,708.84	1,384.38	6,953.22	6,864.16	89.07	78.067		
11,200.00	7,321.00	7,668.00	7,410.38	141.74	38.10	91.34	-1,708.84	1,384.38	7,022.15	6,933.14	89.01	78.890		
11,300.00	7,321.00	7,668.45	7,410.82	142.69	38.11	91.34	-1,708.85	1,384.38	7,091.81	7,002.83	88.99	79.697		
11,400.00	7,321.00	7,669.00	7,411.37	143.67	38.11	91.35	-1,708.86	1,384.38	7,162.20	7,073.21	88.98	80.489		
11,500.00	7,321.00	7,669.55	7,411.92	144.68	38.11	91.36	-1,708.87	1,384.38	7,233.28	7,144.27	89.01	81.267		
11,600.00	7,321.00	7,670.10	7,412.48	145.73	38.11	91.36	-1,708.88	1,384.37	7,305.03	7,215.98	89.05	82.032		
11,700.00	7,321.00	7,670.66	7,413.03	146.80	38.11	91.37	-1,708.89	1,384.37	7,377.45	7,288.33	89.12	82.785		
11,800.00	7,321.00	7,671.21	7,413.59	147.91	38.11	91.38	-1,708.90	1,384.37	7,450.50	7,361.30	89.20	83.527		
11,900.00	7,321.00	7,671.78	7,414.15	149.05	38.11	91.38	-1,708.91	1,384.36	7,524.18	7,434.88	89.30	84.256		
12,000.00	7,321.00	7,672.34	7,414.71	150.22	38.11	91.39	-1,708.92	1,384.36	7,598.45	7,509.03	89.42	84.975		
12,100.00	7,321.00	7,672.91	7,415.28	151.42	38.12	91.40	-1,708.93	1,384.36	7,673.31	7,583.76	89.55	85.684		
12,200.00	7,321.00	7,673.47	7,415.85	152.66	38.12	91.40	-1,708.94	1,384.36	7,748.74	7,659.04	89.70	86.384		
12,300.00	7,321.00	7,674.05	7,416.42	153.93	38.12	91.41	-1,708.95	1,384.35	7,824.72	7,734.85	89.86	87.074		
12,400.00	7,321.00	7,674.62	7,417.00	155.22	38.12	91.41	-1,708.96	1,384.35	7,901.23	7,811.19	90.04	87.756		
12,500.00	7,321.00	7,675.20	7,417.57	156.55	38.12	91.42	-1,708.97	1,384.35	7,978.26	7,888.04	90.22	88.430		
12,600.00	7,321.00	7,675.78	7,418.15	157.91	38.12	91.43	-1,708.98	1,384.34	8,055.80	7,965.38	90.42	89.097		
12,700.00	7,321.00	7,676.36	7,418.74	159.31	38.12	91.43	-1,708.99	1,384.34	8,133.83	8,043.20	90.62	89.757		
12,800.00	7,321.00	7,676.95	7,419.32	160.73	38.12	91.44	-1,709.00	1,384.34	8,212.33	8,121.50	90.83	90.410		
12,900.00	7,321.00	7,677.54	7,419.91	162.18	38.13	91.45	-1,709.01	1,384.33	8,291.30	8,200.24	91.05	91.058		
13,000.00	7,321.00	7,678.13	7,420.50	163.67	38.13	91.45	-1,709.02	1,384.33	8,370.71	8,279.43	91.28	91.701		
13,100.00	7,321.00	7,678.73	7,421.10	165.18	38.13	91.46	-1,709.04	1,384.33	8,450.56	8,359.05	91.52	92.338		
13,200.00	7,321.00	7,679.32	7,421.70	166.73	38.13	91.47	-1,709.05	1,384.33	8,530.84	8,439.08	91.76	92.971		
13,300.00	7,321.00	7,679.92	7,422.30	168.30	38.13	91.47	-1,709.06	1,384.32	8,611.53	8,519.53	92.00	93.600		
13,400.00	7,321.00	7,680.53	7,422.90	169.90	38.13	91.48	-1,709.07	1,384.32	8,692.62	8,600.37	92.25	94.225		
13,500.00	7,321.00	7,681.14	7,423.51	171.53	38.13	91.49	-1,709.08	1,384.32	8,774.11	8,681.60	92.51	94.846		
13,600.00	7,321.00	7,681.75	7,424.12	173.19	38.13	91.50	-1,709.09	1,384.31	8,855.97	8,763.20	92.77	95.465		
13,700.00	7,321.00	7,682.36	7,424.73	174.88	38.14	91.50	-1,709.10	1,384.31	8,938.20	8,845.17	93.03	96.081		
13,800.00	7,321.00	7,682.98	7,425.35	176.59	38.14	91.51	-1,709.11	1,384.31	9,020.79	8,927.50	93.29	96.694		
13,900.00	7,321.00	7,683.59	7,425.97	178.33	38.14	91.52	-1,709.12	1,384.30	9,103.73	9,010.17	93.56	97.305		
14,000.00	7,321.00	7,684.22	7,426.59	180.09	38.14	91.52	-1,709.14	1,384.30	9,187.01	9,093.18	93.83	97.914		
14,100.00	7,321.00	7,684.84	7,427.22	181.88	38.14	91.53	-1,709.15	1,384.30	9,270.61	9,176.52	94.10	98.521		
14,200.00	7,321.00	7,685.47	7,427.84	183.70	38.14	91.54	-1,709.16	1,384.29	9,354.55	9,260.18	94.37	99.127		
14,300.00	7,321.00	7,686.10	7,428.48	185.54	38.14	91.54	-1,709.17	1,384.29	9,438.79	9,344.15	94.64	99.731		
14,400.00	7,321.00	7,686.74	7,429.11	187.40	38.15	91.55	-1,709.18	1,384.29	9,523.34	9,428.42	94.92	100.335		
14,500.00	7,321.00	7,687.38	7,429.75	189.29	38.15	91.56	-1,709.19	1,384.28	9,608.18	9,512.99	95.19	100.937		
14,600.00	7,321.00	7,688.02	7,430.39	191.20	38.15	91.57	-1,709.21	1,384.28	9,693.32	9,597.85	95.46	101.538		
14,700.00	7,321.00	7,688.67	7,431.04	193.13	38.15	91.57	-1,709.22	1,384.27	9,778.73	9,682.99	95.74	102.139		
14,800.00	7,321.00	7,689.32	7,431.69	195.08	38.15	91.58	-1,709.23	1,384.27	9,864.42	9,768.41	96.01	102.739		
14,900.00	7,321.00	7,689.97	7,432.34	197.05	38.15	91.59	-1,709.24	1,384.27	9,950.38	9,854.09	96.29	103.339		
15,000.00	7,321.00	7,690.62	7,432.99	199.04	38.15	91.60	-1,709.25	1,384.26	10,036.60	9,940.03	96.56	103.939		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 94-MWVD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	123.21	123.18	0.27	0.26	-177.81	-2,121.42	-81.25	2,123.62	2,123.09	0.52	4,065.462		
200.00	200.00	263.93	263.81	0.63	0.76	-177.74	-2,116.71	-83.39	2,120.39	2,119.00	1.39	1,528.204		
300.00	299.98	434.31	433.85	0.97	1.38	-21.13	-2,106.73	-80.72	2,112.93	2,110.58	2.35	897.948		
400.00	399.84	605.82	604.34	1.32	2.03	-21.57	-2,090.60	-71.45	2,098.36	2,095.02	3.34	628.403		
500.00	499.45	790.75	786.95	1.68	2.80	-22.33	-2,066.47	-55.40	2,076.90	2,072.49	4.41	471.216		
600.00	598.70	1,012.60	1,002.69	2.07	3.87	-23.83	-2,027.30	-22.14	2,048.00	2,042.31	5.69	359.889		
700.00	697.47	1,164.81	1,148.89	2.48	4.69	-25.20	-1,992.76	2.28	2,011.09	2,004.38	6.72	299.412		
800.00	795.62	1,266.38	1,246.30	2.93	5.26	-26.34	-1,968.36	17.52	1,970.58	1,963.04	7.53	261.574		
900.00	893.06	1,359.14	1,335.04	3.41	5.79	-27.59	-1,945.55	32.02	1,926.96	1,918.62	8.33	231.299		
1,000.00	989.64	1,431.18	1,403.98	3.93	6.20	-28.78	-1,927.90	43.21	1,880.99	1,871.93	9.06	207.595		
1,100.00	1,085.27	1,497.04	1,467.07	4.50	6.59	-30.05	-1,912.44	54.06	1,833.57	1,823.78	9.79	187.291		
1,200.00	1,179.82	1,578.00	1,544.61	5.11	7.06	-31.67	-1,893.76	67.95	1,784.34	1,773.72	10.62	168.082		
1,300.00	1,273.17	1,652.73	1,616.24	5.77	7.49	-33.38	-1,876.63	80.61	1,733.23	1,721.78	11.45	151.431		
1,400.00	1,365.21	1,715.49	1,676.53	6.48	7.85	-35.07	-1,862.54	90.89	1,680.63	1,668.37	12.26	137.075		
1,500.00	1,455.84	1,777.13	1,735.84	7.23	8.20	-36.92	-1,849.35	101.28	1,627.19	1,614.07	13.12	124.059		
1,600.00	1,544.94	1,859.31	1,814.82	8.04	8.67	-39.40	-1,831.74	115.63	1,572.35	1,558.23	14.12	111.393		
1,700.00	1,632.39	1,927.10	1,879.97	8.90	9.06	-41.84	-1,817.14	127.36	1,516.23	1,501.11	15.11	100.316		
1,800.00	1,718.11	1,990.61	1,941.13	9.81	9.42	-44.39	-1,803.68	137.90	1,459.39	1,443.22	16.16	90.282		
1,900.00	1,801.97	2,052.76	2,001.04	10.77	9.78	-47.15	-1,790.79	148.30	1,402.27	1,384.98	17.29	81.090		
2,000.00	1,883.88	2,138.67	2,083.65	11.78	10.27	-50.97	-1,772.28	162.90	1,344.48	1,325.86	18.62	72.199		
2,100.00	1,963.74	2,200.92	2,143.42	12.84	10.63	-54.34	-1,758.36	173.29	1,286.44	1,266.47	19.97	64.432		
2,200.00	2,041.45	2,256.96	2,197.34	13.95	10.95	-57.69	-1,745.93	182.17	1,229.16	1,207.75	21.41	57.420		
2,300.00	2,116.92	2,306.65	2,245.25	15.10	11.23	-60.96	-1,735.20	189.84	1,173.48	1,150.53	22.95	51.121		
2,400.00	2,190.05	2,355.82	2,292.72	16.31	11.51	-64.34	-1,724.85	197.35	1,120.08	1,095.43	24.65	45.443		
2,500.00	2,260.76	2,402.82	2,338.08	17.56	11.77	-67.72	-1,714.99	204.77	1,069.67	1,043.18	26.49	40.386		
2,600.00	2,328.95	2,448.66	2,382.28	18.85	12.03	-71.11	-1,705.38	212.24	1,023.16	994.69	28.47	35.941		
2,700.00	2,394.55	2,492.66	2,424.68	20.19	12.28	-74.41	-1,696.13	219.44	981.49	950.92	30.57	32.109		
2,800.00	2,457.48	2,533.53	2,464.06	21.57	12.52	-77.50	-1,687.50	226.15	945.79	913.05	32.74	28.891		
2,900.00	2,518.85	2,572.24	2,501.33	22.98	12.74	-79.83	-1,679.24	232.59	917.48	882.59	34.89	26.293		
3,000.00	2,580.20	2,608.00	2,535.72	24.39	12.95	-81.95	-1,671.50	238.61	897.83	860.90	36.93	24.312		
3,100.00	2,641.56	2,644.81	2,571.11	25.81	13.16	-84.15	-1,663.53	244.90	887.50	848.72	38.78	22.885		
3,156.12	2,675.99	2,664.31	2,589.84	26.61	13.27	-85.31	-1,659.34	248.29	885.96	846.26	39.70	22.317	CC, ES	
3,200.00	2,702.91	2,679.56	2,604.49	27.23	13.36	-86.23	-1,656.07	250.96	886.91	846.56	40.35	21.981		
3,300.00	2,764.27	2,713.56	2,637.15	28.65	13.56	-88.26	-1,648.80	257.00	896.05	854.46	41.59	21.543		
3,400.00	2,825.62	2,744.52	2,666.78	30.08	13.75	-90.11	-1,641.90	262.76	914.76	872.29	42.48	21.535	SF	
3,500.00	2,886.98	2,773.22	2,694.12	31.51	13.93	-91.83	-1,635.18	268.35	942.62	899.60	43.02	21.914		
3,600.00	2,948.33	2,801.43	2,720.86	32.95	14.10	-93.51	-1,628.28	274.08	978.94	935.68	43.26	22.627		
3,700.00	3,009.68	2,837.52	2,755.04	34.38	14.33	-95.64	-1,619.32	281.46	1,022.71	979.33	43.38	23.576		
3,800.00	3,071.04	2,873.79	2,789.40	35.82	14.56	-97.75	-1,610.32	288.78	1,072.88	1,029.55	43.34	24.757		
3,900.00	3,132.39	2,916.40	2,829.82	37.25	14.83	-100.19	-1,599.79	297.23	1,128.56	1,085.31	43.25	26.093		
4,000.00	3,193.75	2,966.10	2,877.15	38.69	15.14	-102.95	-1,587.89	306.63	1,188.68	1,145.50	43.18	27.530		
4,100.00	3,255.10	3,005.71	2,914.99	40.13	15.38	-105.09	-1,578.70	313.84	1,252.56	1,209.59	42.97	29.150		
4,200.00	3,316.46	3,039.47	2,947.26	41.58	15.59	-106.86	-1,570.96	320.06	1,319.98	1,277.29	42.70	30.916		
4,300.00	3,377.81	3,073.38	2,979.68	43.02	15.79	-108.60	-1,563.27	326.41	1,390.44	1,348.01	42.43	32.768		
4,400.00	3,439.17	3,110.94	3,015.58	44.46	16.02	-110.46	-1,554.88	333.52	1,463.46	1,421.24	42.23	34.655		
4,500.00	3,500.52	3,149.61	3,052.59	45.91	16.25	-112.32	-1,546.43	340.90	1,538.61	1,496.54	42.07	36.576		
4,600.00	3,561.88	3,190.08	3,091.35	47.35	16.49	-114.19	-1,537.76	348.66	1,615.54	1,573.59	41.95	38.507		
4,700.00	3,623.23	3,232.24	3,131.76	48.80	16.74	-116.06	-1,528.77	356.65	1,693.97	1,652.08	41.89	40.438		
4,800.00	3,684.59	3,274.69	3,172.48	50.24	16.99	-117.88	-1,519.74	364.56	1,773.68	1,731.82	41.86	42.374		
4,900.00	3,745.94	3,317.51	3,213.58	51.69	17.25	-119.64	-1,510.74	372.48	1,854.48	1,812.62	41.86	44.302		
5,000.00	3,807.30	3,361.46	3,255.81	53.14	17.50	-121.37	-1,501.64	380.57	1,936.23	1,894.32	41.90	46.207		
5,100.00	3,868.65	3,411.24	3,303.69	54.58	17.79	-123.24	-1,491.31	389.44	2,018.73	1,976.69	42.03	48.029		

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 MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 94-MWVD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	3,930.01	3,469.09	3,359.41	56.03	18.12	-125.32	-1,479.11	399.13	2,101.82	2,059.56	42.26	49.740		
5,300.00	3,991.36	3,525.78	3,414.24	57.48	18.44	-127.25	-1,467.57	407.75	2,184.84	2,142.36	42.49	51.424		
5,400.00	4,052.72	3,573.99	3,460.88	58.93	18.71	-128.81	-1,457.80	415.01	2,268.55	2,225.90	42.65	53.184		
5,500.00	4,114.07	3,597.02	3,483.14	60.38	18.84	-129.53	-1,453.07	418.57	2,353.07	2,310.48	42.59	55.244		
5,600.00	4,175.43	3,639.00	3,523.60	61.83	19.07	-130.79	-1,444.22	425.40	2,438.53	2,395.79	42.74	57.051		
5,700.00	4,236.78	3,646.49	3,530.81	63.28	19.12	-131.01	-1,442.62	426.65	2,524.45	2,481.89	42.56	59.312		
5,800.00	4,298.14	3,723.44	3,605.03	64.73	19.55	-133.18	-1,426.51	439.03	2,610.71	2,567.61	43.10	60.574		
5,900.00	4,359.49	3,778.94	3,658.71	66.18	19.86	-134.64	-1,415.26	447.52	2,696.91	2,653.48	43.43	62.094		
6,000.00	4,420.85	3,832.32	3,710.42	67.63	20.16	-135.96	-1,404.72	455.60	2,783.28	2,739.52	43.76	63.601		
6,100.00	4,482.20	3,858.63	3,735.89	69.08	20.30	-136.59	-1,399.47	459.57	2,869.99	2,826.16	43.83	65.476		
6,200.00	4,543.55	3,887.18	3,763.50	70.53	20.46	-137.26	-1,393.65	463.88	2,957.15	2,913.21	43.94	67.305		
6,300.00	4,604.91	3,920.00	3,795.21	71.98	20.64	-138.01	-1,386.79	468.84	3,044.74	3,000.64	44.09	69.053		
6,400.00	4,666.26	3,942.61	3,817.03	73.44	20.77	-138.51	-1,381.97	472.29	3,132.71	3,088.55	44.16	70.943		
6,500.00	4,727.62	3,969.72	3,843.17	74.89	20.93	-139.10	-1,376.16	476.51	3,221.05	3,176.77	44.28	72.744		
6,600.00	4,788.97	3,996.43	3,868.90	76.34	21.08	-139.66	-1,370.38	480.76	3,309.75	3,265.35	44.41	74.533		
6,700.00	4,850.33	4,014.00	3,885.82	77.79	21.18	-140.02	-1,366.56	483.60	3,398.79	3,354.34	44.45	76.464		
6,800.00	4,911.68	4,052.21	3,922.56	79.24	21.40	-140.78	-1,358.17	489.87	3,488.09	3,443.37	44.71	78.008		
6,900.00	4,973.04	4,080.45	3,949.70	80.70	21.57	-141.33	-1,351.92	494.57	3,577.67	3,532.78	44.88	79.708		
7,000.00	5,034.39	4,110.54	3,978.59	82.15	21.74	-141.89	-1,345.21	499.64	3,667.49	3,622.41	45.08	81.351		
7,100.00	5,095.75	4,184.95	4,050.12	83.60	22.17	-143.23	-1,328.75	511.87	3,757.30	3,711.56	45.74	82.141		
7,200.00	5,157.10	4,227.32	4,090.92	85.05	22.42	-143.95	-1,319.53	518.61	3,847.00	3,800.92	46.08	83.488		
7,300.00	5,218.46	4,260.54	4,122.90	86.51	22.61	-144.49	-1,312.31	523.96	3,936.86	3,890.53	46.33	84.976		
7,400.00	5,279.81	4,295.00	4,156.06	87.96	22.81	-145.04	-1,304.83	529.59	4,026.89	3,980.29	46.60	86.415		
7,500.00	5,341.17	4,335.33	4,194.88	89.41	23.04	-145.65	-1,296.20	536.34	4,117.03	4,070.09	46.94	87.710		
7,600.00	5,402.52	4,377.96	4,235.91	90.87	23.29	-146.26	-1,287.31	543.73	4,207.23	4,159.91	47.31	88.923		
7,700.00	5,463.88	4,409.36	4,266.13	92.32	23.47	-146.69	-1,280.88	549.31	4,297.51	4,249.93	47.58	90.325		
7,800.00	5,525.23	4,436.44	4,292.17	93.77	23.63	-147.06	-1,275.27	554.15	4,387.97	4,340.17	47.80	91.794		
7,900.00	5,586.59	4,463.16	4,317.86	95.23	23.79	-147.41	-1,269.66	558.94	4,478.61	4,430.59	48.03	93.252		
8,000.00	5,647.94	4,495.24	4,348.67	96.68	23.97	-147.82	-1,262.85	564.72	4,569.42	4,521.10	48.31	94.580		
8,100.00	5,709.30	4,541.70	4,393.30	98.13	24.25	-148.40	-1,253.03	573.09	4,660.26	4,611.50	48.76	95.585		
8,200.00	5,770.65	4,576.00	4,426.27	99.59	24.45	-148.80	-1,245.86	579.28	4,751.11	4,702.03	49.07	96.814		
8,300.00	5,832.01	4,605.39	4,454.50	101.04	24.62	-149.14	-1,239.72	584.67	4,842.07	4,792.72	49.35	98.122		
8,400.00	5,893.36	4,628.25	4,476.44	102.49	24.76	-149.40	-1,234.94	588.97	4,933.22	4,883.66	49.56	99.547		
8,500.00	5,954.72	4,650.85	4,498.10	103.95	24.89	-149.65	-1,230.21	593.33	5,024.52	4,974.76	49.77	100.960		
8,600.00	6,016.07	4,763.00	4,605.73	105.40	25.55	-150.80	-1,207.26	614.94	5,115.87	5,064.92	50.94	100.427		
8,700.00	6,077.43	4,791.22	4,632.89	106.86	25.72	-151.07	-1,201.64	620.19	5,206.78	5,155.56	51.22	101.657		
8,800.00	6,138.78	6,331.52	6,149.58	108.31	31.83	-161.18	-1,041.80	741.65	5,288.69	5,223.78	64.92	81.469		
8,900.00	6,200.13	6,392.15	6,210.21	109.76	31.97	-161.45	-1,041.93	741.03	5,365.52	5,300.07	65.45	81.981		
9,000.00	6,261.49	6,451.16	6,269.21	111.22	32.10	-161.70	-1,042.06	740.51	5,442.42	5,376.45	65.97	82.497		
9,100.00	6,322.84	6,513.82	6,331.88	112.67	32.24	-161.95	-1,042.22	739.98	5,519.39	5,452.86	66.52	82.969		
9,200.00	6,384.20	6,576.09	6,394.14	114.13	32.39	-162.20	-1,042.39	739.47	5,596.39	5,529.31	67.08	83.435		
9,300.00	6,445.55	6,638.34	6,456.38	115.58	32.53	-162.45	-1,042.56	738.95	5,673.43	5,605.80	67.63	83.891		
9,400.00	6,506.91	6,725.20	6,543.24	117.03	32.73	-162.78	-1,042.91	738.04	5,750.38	5,682.01	68.37	84.112		
9,500.00	6,568.26	6,792.81	6,610.85	118.49	32.89	-163.03	-1,043.26	737.13	5,827.20	5,758.23	68.96	84.498		
9,600.00	6,629.62	6,862.39	6,680.42	119.94	33.05	-163.28	-1,043.64	736.10	5,904.00	5,834.43	69.58	84.858		
9,700.00	6,690.97	6,932.60	6,750.62	121.40	33.21	-163.53	-1,044.12	735.00	5,980.74	5,910.55	70.19	85.202		
9,800.00	6,752.33	6,994.58	6,812.58	122.85	33.35	-163.74	-1,044.56	734.02	6,057.50	5,986.74	70.76	85.611		
9,900.00	6,813.68	7,069.64	6,887.64	124.31	33.53	-163.99	-1,045.17	732.83	6,134.24	6,062.82	71.42	85.894		
10,000.00	6,875.04	7,140.31	6,958.29	125.76	33.69	-164.22	-1,045.96	731.74	6,210.87	6,138.82	72.05	86.205		
10,100.00	6,936.39	7,199.00	7,016.97	127.22	33.83	-164.40	-1,046.63	730.84	6,287.52	6,214.93	72.59	86.615		
10,200.00	6,997.75	7,257.56	7,075.52	128.67	33.97	-164.58	-1,047.27	729.96	6,364.24	6,291.10	73.14	87.019		
10,300.00	7,059.10	7,308.86	7,126.81	130.13	34.09	-164.74	-1,047.78	729.21	6,441.06	6,367.44	73.63	87.482		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 94-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	7,118.86	7,352.09	7,170.04	131.62	34.20	178.48	-1,048.15	728.70	6,519.98	6,445.91	74.06	88.031		
10,500.00	7,173.55	7,387.00	7,204.95	133.17	34.28	158.39	-1,048.41	728.39	6,602.41	6,527.98	74.43	88.705		
10,600.00	7,221.49	7,431.46	7,249.40	134.72	34.39	138.82	-1,048.70	728.07	6,685.89	6,611.05	74.85	89.329		
10,700.00	7,261.21	7,463.98	7,281.93	136.22	34.47	121.75	-1,048.88	727.87	6,768.01	6,692.87	75.14	90.077		
10,800.00	7,291.51	7,494.52	7,312.47	137.61	34.54	108.42	-1,049.03	727.71	6,846.47	6,771.09	75.39	90.820		
10,900.00	7,311.47	7,521.92	7,339.87	138.86	34.61	98.77	-1,049.17	727.54	6,919.16	6,843.55	75.61	91.513		
11,000.00	7,320.48	7,534.87	7,352.82	139.92	34.64	92.13	-1,049.25	727.46	6,984.16	6,908.42	75.75	92.204		
11,100.00	7,321.00	7,536.48	7,354.42	140.82	34.65	90.63	-1,049.26	727.45	7,042.51	6,966.66	75.85	92.844		
11,200.00	7,321.00	7,537.39	7,355.33	141.74	34.65	90.63	-1,049.26	727.44	7,101.31	7,025.31	76.00	93.437		
11,300.00	7,321.00	7,538.30	7,356.24	142.69	34.65	90.64	-1,049.27	727.43	7,161.03	7,084.84	76.19	93.991		
11,400.00	7,321.00	7,539.23	7,357.17	143.67	34.66	90.65	-1,049.27	727.43	7,221.63	7,145.22	76.41	94.509		
11,500.00	7,321.00	7,540.16	7,358.10	144.68	34.66	90.66	-1,049.28	727.42	7,283.10	7,206.43	76.67	94.993		
11,600.00	7,321.00	7,541.10	7,359.04	145.73	34.66	90.67	-1,049.29	727.42	7,345.42	7,268.46	76.96	95.447		
11,700.00	7,321.00	7,542.04	7,359.98	146.80	34.66	90.68	-1,049.29	727.41	7,408.56	7,331.29	77.28	95.871		
11,800.00	7,321.00	7,543.00	7,360.94	147.91	34.66	90.69	-1,049.30	727.40	7,472.51	7,394.89	77.62	96.269		
11,900.00	7,321.00	7,543.96	7,361.90	149.05	34.67	90.70	-1,049.30	727.40	7,537.24	7,459.25	77.99	96.643		
12,000.00	7,321.00	7,544.93	7,362.87	150.22	34.67	90.71	-1,049.31	727.39	7,602.74	7,524.36	78.38	96.996		
12,100.00	7,321.00	7,545.90	7,363.84	151.42	34.67	90.72	-1,049.32	727.38	7,668.98	7,590.19	78.79	97.329		
12,200.00	7,321.00	7,546.89	7,364.83	152.66	34.67	90.73	-1,049.32	727.38	7,735.95	7,656.73	79.22	97.645		
12,300.00	7,321.00	7,547.88	7,365.82	153.93	34.68	90.74	-1,049.33	727.37	7,803.62	7,723.95	79.67	97.947		
12,400.00	7,321.00	7,548.88	7,366.82	155.22	34.68	90.75	-1,049.33	727.36	7,871.99	7,791.85	80.13	98.236		
12,500.00	7,321.00	7,549.88	7,367.83	156.55	34.68	90.76	-1,049.34	727.35	7,941.02	7,860.41	80.61	98.513		
12,600.00	7,321.00	7,550.90	7,368.84	157.91	34.68	90.77	-1,049.35	727.35	8,010.71	7,929.61	81.10	98.781		
12,700.00	7,321.00	7,551.92	7,369.86	159.31	34.69	90.78	-1,049.35	727.34	8,081.03	7,999.44	81.59	99.042		
12,800.00	7,321.00	7,552.96	7,370.90	160.73	34.69	90.79	-1,049.36	727.33	8,151.97	8,069.87	82.10	99.296		
12,900.00	7,321.00	7,554.00	7,371.94	162.18	34.69	90.80	-1,049.37	727.32	8,223.52	8,140.91	82.61	99.546		
13,000.00	7,321.00	7,555.05	7,372.99	163.67	34.69	90.81	-1,049.37	727.32	8,295.65	8,212.52	83.13	99.792		
13,100.00	7,321.00	7,556.10	7,374.04	165.18	34.70	90.82	-1,049.38	727.31	8,368.36	8,284.71	83.65	100.035		
13,200.00	7,321.00	7,557.17	7,375.11	166.73	34.70	90.83	-1,049.39	727.30	8,441.63	8,357.44	84.18	100.277		
13,300.00	7,321.00	7,558.25	7,376.19	168.30	34.70	90.84	-1,049.39	727.29	8,515.44	8,430.72	84.72	100.518		
13,400.00	7,321.00	7,559.33	7,377.27	169.90	34.70	90.85	-1,049.40	727.28	8,589.78	8,504.53	85.25	100.759		
13,500.00	7,321.00	7,560.42	7,378.36	171.53	34.71	90.87	-1,049.41	727.28	8,664.63	8,578.85	85.79	101.001		
13,600.00	7,321.00	7,561.53	7,379.47	173.19	34.71	90.88	-1,049.42	727.27	8,739.99	8,653.67	86.32	101.245		
13,700.00	7,321.00	7,562.64	7,380.58	174.88	34.71	90.89	-1,049.42	727.26	8,815.84	8,728.98	86.86	101.491		
13,800.00	7,321.00	7,563.76	7,381.70	176.59	34.72	90.90	-1,049.43	727.25	8,892.17	8,804.77	87.40	101.740		
13,900.00	7,321.00	7,564.89	7,382.83	178.33	34.72	90.91	-1,049.44	727.24	8,968.96	8,881.02	87.94	101.992		
14,000.00	7,321.00	7,566.03	7,383.97	180.09	34.72	90.92	-1,049.45	727.23	9,046.21	8,957.73	88.47	102.247		
14,100.00	7,321.00	7,567.18	7,385.12	181.88	34.72	90.93	-1,049.45	727.23	9,123.90	9,034.89	89.01	102.506		
14,200.00	7,321.00	7,568.34	7,386.28	183.70	34.73	90.94	-1,049.46	727.22	9,202.01	9,112.47	89.54	102.770		
14,300.00	7,321.00	7,569.51	7,387.45	185.54	34.73	90.96	-1,049.47	727.21	9,280.55	9,190.48	90.07	103.037		
14,400.00	7,321.00	7,570.69	7,388.63	187.40	34.73	90.97	-1,049.48	727.20	9,359.50	9,268.90	90.60	103.310		
14,500.00	7,321.00	7,571.88	7,389.82	189.29	34.74	90.98	-1,049.49	727.19	9,438.85	9,347.73	91.12	103.586		
14,600.00	7,321.00	7,573.08	7,391.02	191.20	34.74	90.99	-1,049.49	727.18	9,518.58	9,426.94	91.64	103.868		
14,700.00	7,321.00	7,574.30	7,392.24	193.13	34.74	91.00	-1,049.50	727.17	9,598.70	9,506.54	92.16	104.155		
14,800.00	7,321.00	7,575.52	7,393.46	195.08	34.75	91.02	-1,049.51	727.16	9,679.18	9,586.51	92.67	104.447		
14,900.00	7,321.00	7,576.75	7,394.69	197.05	34.75	91.03	-1,049.52	727.15	9,760.03	9,666.85	93.18	104.744		
15,000.00	7,321.00	7,578.00	7,395.94	199.04	34.75	91.04	-1,049.53	727.14	9,841.23	9,747.54	93.68	105.046		
15,100.00	7,321.00	7,579.25	7,397.19	201.06	34.75	91.05	-1,049.54	727.13	9,922.77	9,828.58	94.19	105.354		
15,200.00	7,321.00	7,580.52	7,398.46	203.09	34.76	91.07	-1,049.55	727.12	10,004.64	9,909.96	94.68	105.666		
15,300.00	7,321.00	7,581.80	7,399.74	205.14	34.76	91.08	-1,049.56	727.11	10,086.85	9,991.67	95.17	105.984		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 40-MWVD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	58.49	58.49	0.27	0.11	-176.71	-1,715.31	-98.59	1,718.16	1,717.78	0.38	4,495.351		
200.00	200.00	139.88	139.87	0.63	0.41	-176.68	-1,716.11	-99.57	1,719.23	1,718.19	1.03	1,663.017		
300.00	299.98	233.44	233.35	0.97	0.75	-19.83	-1,717.80	-103.05	1,719.60	1,717.88	1.72	1,002.269		
400.00	399.84	350.69	350.54	1.32	1.17	-19.82	-1,719.45	-106.18	1,716.24	1,713.76	2.48	691.252		
500.00	499.45	494.08	493.71	1.68	1.66	-20.25	-1,719.74	-99.47	1,708.07	1,704.75	3.32	513.785		
600.00	598.70	606.14	604.77	2.07	2.06	-21.00	-1,717.76	-84.83	1,694.18	1,690.09	4.09	414.181		
700.00	697.47	1,187.22	1,159.93	2.48	4.95	-27.07	-1,621.95	39.53	1,658.41	1,651.32	7.09	234.053		
800.00	795.62	1,255.10	1,224.27	2.93	5.31	-28.13	-1,601.93	47.71	1,613.27	1,605.53	7.74	208.447		
900.00	893.06	1,320.00	1,285.89	3.41	5.66	-29.34	-1,583.63	56.70	1,566.84	1,558.43	8.42	186.178		
1,000.00	989.64	1,438.01	1,397.20	3.93	6.37	-31.54	-1,550.12	76.93	1,518.20	1,508.84	9.36	162.241		
1,100.00	1,085.27	1,623.05	1,568.90	4.50	7.56	-35.23	-1,487.33	104.94	1,461.88	1,451.33	10.55	138.567		
1,200.00	1,179.82	1,710.95	1,650.27	5.11	8.10	-37.60	-1,455.03	112.79	1,401.99	1,390.63	11.35	123.512		
1,300.00	1,273.17	1,779.16	1,713.66	5.77	8.51	-39.81	-1,430.10	116.28	1,340.30	1,328.19	12.11	110.711		
1,400.00	1,365.21	1,851.94	1,781.59	6.48	8.93	-42.31	-1,404.02	117.69	1,277.30	1,264.41	12.89	99.084		
1,500.00	1,455.84	1,921.64	1,846.69	7.23	9.33	-45.08	-1,379.11	118.19	1,212.86	1,199.15	13.71	88.454		
1,600.00	1,544.94	1,984.31	1,905.34	8.04	9.69	-48.01	-1,357.05	117.89	1,147.55	1,132.97	14.58	78.719		
1,700.00	1,632.39	2,040.00	1,957.64	8.90	10.00	-51.06	-1,337.91	117.15	1,081.90	1,066.38	15.51	69.745		
1,800.00	1,718.11	2,096.33	2,010.75	9.81	10.31	-54.48	-1,319.17	116.13	1,016.47	999.93	16.54	61.458		
1,900.00	1,801.97	2,151.56	2,063.03	10.77	10.62	-58.19	-1,301.42	114.71	951.65	933.97	17.68	53.832		
2,000.00	1,883.88	2,206.13	2,114.87	11.78	10.91	-62.23	-1,284.48	112.91	887.95	869.00	18.95	46.850		
2,100.00	1,963.74	2,259.29	2,165.53	12.84	11.19	-66.55	-1,268.46	111.08	826.09	805.70	20.40	40.502		
2,200.00	2,041.45	2,310.63	2,214.60	13.95	11.46	-71.08	-1,253.46	109.28	767.06	745.02	22.04	34.807		
2,300.00	2,116.92	2,360.00	2,261.92	15.10	11.72	-75.73	-1,239.53	107.50	712.11	688.22	23.89	29.804		
2,400.00	2,190.05	2,412.51	2,312.38	16.31	11.99	-80.79	-1,225.08	105.58	662.69	636.74	25.95	25.540		
2,500.00	2,260.76	2,462.48	2,360.43	17.56	12.24	-85.76	-1,211.54	103.72	620.64	592.47	28.16	22.038		
2,600.00	2,328.95	2,510.17	2,406.34	18.85	12.49	-90.55	-1,198.75	101.93	588.24	557.82	30.42	19.339		
2,700.00	2,394.55	2,555.02	2,449.55	20.19	12.72	-94.99	-1,186.84	100.26	567.89	535.38	32.52	17.465		
2,791.15	2,452.03	2,592.57	2,485.75	21.45	12.91	-98.56	-1,176.98	98.90	561.63	527.53	34.10	16.472 CC		
2,800.00	2,457.48	2,596.08	2,489.15	21.57	12.93	-98.89	-1,176.06	98.77	561.69	527.47	34.22	16.412 ES		
2,900.00	2,518.85	2,635.68	2,527.36	22.98	13.13	-102.55	-1,165.79	97.45	570.47	535.11	35.35	16.137 SF		
3,000.00	2,580.20	2,675.52	2,565.81	24.39	13.33	-106.21	-1,155.44	96.23	593.35	557.48	35.87	16.541		
3,100.00	2,641.56	2,714.14	2,603.03	25.81	13.54	-109.71	-1,145.16	95.15	628.87	592.98	35.89	17.522		
3,200.00	2,702.91	2,752.05	2,639.49	27.23	13.74	-113.07	-1,134.82	94.20	675.14	639.57	35.57	18.980		
3,300.00	2,764.27	2,789.95	2,675.90	28.65	13.94	-116.33	-1,124.35	93.32	730.17	695.09	35.07	20.818		
3,400.00	2,825.62	2,827.99	2,712.43	30.08	14.15	-119.49	-1,113.76	92.50	792.13	757.61	34.52	22.949		
3,500.00	2,886.98	2,868.23	2,751.07	31.51	14.37	-122.69	-1,102.56	91.66	859.50	825.51	33.99	25.290		
3,600.00	2,948.33	2,910.07	2,791.29	32.95	14.60	-125.84	-1,091.07	90.78	930.99	897.47	33.52	27.772		
3,700.00	3,009.68	2,950.63	2,830.32	34.38	14.82	-128.73	-1,080.07	89.95	1,005.70	972.58	33.13	30.360		
3,800.00	3,071.04	2,990.76	2,868.99	35.82	15.04	-131.41	-1,069.33	89.23	1,083.01	1,050.20	32.81	33.012		
3,900.00	3,132.39	3,030.85	2,907.63	37.25	15.25	-133.93	-1,058.70	88.60	1,162.39	1,129.83	32.56	35.698		
4,000.00	3,193.75	3,070.20	2,945.57	38.69	15.46	-136.25	-1,048.27	88.02	1,243.45	1,211.07	32.38	38.402		
4,100.00	3,255.10	3,108.37	2,982.35	40.13	15.67	-138.36	-1,038.07	87.44	1,325.92	1,293.67	32.25	41.117		
4,200.00	3,316.46	3,143.12	3,015.81	41.58	15.86	-140.18	-1,028.72	86.95	1,409.61	1,377.47	32.14	43.857		
4,300.00	3,377.81	3,176.12	3,047.57	43.02	16.04	-141.81	-1,019.77	86.64	1,494.42	1,462.35	32.07	46.603		
4,400.00	3,439.17	3,214.51	3,084.51	44.46	16.26	-143.59	-1,009.30	86.45	1,580.16	1,548.08	32.08	49.253		
4,500.00	3,500.52	3,276.09	3,143.87	45.91	16.59	-146.22	-992.95	86.01	1,666.29	1,633.95	32.35	51.515		
4,600.00	3,561.88	3,323.54	3,189.74	47.35	16.85	-148.06	-980.78	85.48	1,752.57	1,720.05	32.52	53.893		
4,700.00	3,623.23	3,360.00	3,224.97	48.80	17.04	-149.38	-971.43	85.12	1,839.35	1,806.72	32.62	56.380		
4,800.00	3,684.59	3,392.54	3,256.40	50.24	17.22	-150.49	-963.00	84.86	1,926.67	1,893.95	32.72	58.888		
4,900.00	3,745.94	3,429.23	3,291.81	51.69	17.42	-151.69	-953.40	84.61	2,014.47	1,981.59	32.87	61.282		
5,000.00	3,807.30	3,466.29	3,327.55	53.14	17.62	-152.83	-943.60	84.31	2,102.64	2,069.59	33.05	63.621		
5,100.00	3,868.65	3,505.68	3,365.52	54.58	17.84	-153.97	-933.11	83.94	2,191.14	2,157.87	33.27	65.864		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 40-MWVD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	3,930.01	3,547.33	3,405.66	56.03	18.07	-155.12	-921.98	83.50	2,279.86	2,246.34	33.52	68.007		
5,300.00	3,991.36	3,590.54	3,447.30	57.48	18.30	-156.24	-910.47	83.00	2,368.77	2,334.96	33.81	70.058		
5,400.00	4,052.72	3,636.17	3,491.31	58.93	18.55	-157.33	-898.45	82.54	2,457.81	2,423.67	34.14	71.996		
5,500.00	4,114.07	3,681.63	3,535.22	60.38	18.80	-158.35	-886.68	82.24	2,546.93	2,512.45	34.48	73.869		
5,600.00	4,175.43	3,721.80	3,574.06	61.83	19.02	-159.18	-876.43	82.17	2,636.17	2,601.39	34.78	75.795		
5,700.00	4,236.78	3,760.00	3,611.03	63.28	19.22	-159.93	-866.80	82.30	2,725.55	2,690.48	35.07	77.708		
5,800.00	4,298.14	3,792.64	3,642.62	64.73	19.40	-160.52	-858.57	82.55	2,815.13	2,779.81	35.32	79.698		
5,900.00	4,359.49	3,821.73	3,670.75	66.18	19.56	-161.04	-851.18	82.86	2,904.97	2,869.43	35.54	81.731		
6,000.00	4,420.85	3,840.00	3,688.40	67.63	19.66	-161.35	-846.48	83.11	2,995.10	2,959.44	35.66	83.989		
6,100.00	4,482.20	3,870.49	3,717.83	69.08	19.83	-161.85	-838.51	83.57	3,085.48	3,049.57	35.91	85.922		
6,200.00	4,543.55	3,880.00	3,726.99	70.53	19.88	-162.00	-835.97	83.72	3,176.23	3,140.29	35.95	88.353		
6,300.00	4,604.91	3,906.60	3,752.57	71.98	20.03	-162.42	-828.70	84.16	3,267.25	3,231.08	36.17	90.327		
6,400.00	4,666.26	3,920.00	3,765.42	73.44	20.11	-162.63	-824.92	84.39	3,358.62	3,322.36	36.26	92.624		
6,500.00	4,727.62	3,939.60	3,784.19	74.89	20.23	-162.94	-819.25	84.72	3,450.29	3,413.87	36.42	94.733		
6,600.00	4,788.97	3,960.00	3,803.66	76.34	20.35	-163.25	-813.19	85.07	3,542.25	3,505.65	36.59	96.798		
6,700.00	4,850.33	3,977.22	3,820.07	77.79	20.45	-163.51	-807.98	85.36	3,634.44	3,597.70	36.74	98.925		
6,800.00	4,911.68	4,000.00	3,841.75	79.24	20.59	-163.84	-801.00	85.71	3,726.81	3,689.87	36.95	100.869		
6,900.00	4,973.04	4,023.43	3,864.03	80.70	20.73	-164.18	-793.73	86.05	3,819.36	3,782.19	37.17	102.764		
7,000.00	5,034.39	4,046.50	3,885.92	82.15	20.88	-164.51	-786.47	86.36	3,912.07	3,874.68	37.39	104.639		
7,100.00	5,095.75	4,070.87	3,909.02	83.60	21.03	-164.85	-778.71	86.65	4,004.92	3,967.29	37.62	106.446		
7,200.00	5,157.10	4,095.33	3,932.18	85.05	21.18	-165.18	-770.84	86.89	4,097.90	4,060.03	37.87	108.218		
7,300.00	5,218.46	4,120.00	3,955.50	86.51	21.34	-165.51	-762.80	87.08	4,191.00	4,152.88	38.12	109.955		
7,400.00	5,279.81	4,158.56	3,991.94	87.96	21.58	-166.01	-750.17	87.28	4,284.16	4,245.65	38.51	111.238		
7,500.00	5,341.17	4,342.16	4,166.36	89.41	22.70	-168.13	-692.92	86.67	4,376.58	4,336.16	40.43	108.263		
7,600.00	5,402.52	4,375.43	4,198.17	90.87	22.90	-168.46	-683.17	86.68	4,468.59	4,427.81	40.78	109.590		
7,700.00	5,463.88	4,405.88	4,227.29	92.32	23.08	-168.75	-674.29	86.90	4,560.68	4,519.58	41.10	110.966		
7,800.00	5,525.23	4,443.44	4,263.24	93.77	23.30	-169.09	-663.39	87.32	4,652.83	4,611.33	41.50	112.111		
7,900.00	5,586.59	4,495.98	4,313.54	95.23	23.61	-169.54	-648.22	87.87	4,744.93	4,702.87	42.06	112.803		
8,000.00	5,647.94	4,543.55	4,359.10	96.68	23.89	-169.93	-634.56	88.23	4,836.96	4,794.38	42.58	113.609		
8,100.00	5,709.30	4,587.68	4,401.38	98.13	24.15	-170.28	-621.92	88.49	4,928.95	4,885.89	43.05	114.483		
8,200.00	5,770.65	4,621.80	4,434.07	99.59	24.35	-170.54	-612.14	88.62	5,020.94	4,977.51	43.43	115.608		
8,300.00	5,832.01	4,650.66	4,461.69	101.04	24.52	-170.76	-603.77	88.63	5,113.00	5,069.25	43.75	116.856		
8,400.00	5,893.36	4,602.90	4,512.84	102.49	30.31	-176.25	-386.78	58.46	5,195.14	5,138.23	56.91	91.286		
8,500.00	5,954.72	6,105.19	5,892.13	103.95	30.51	-176.32	-386.15	58.58	5,274.52	5,216.86	57.67	91.464		
8,600.00	6,016.07	6,180.05	5,966.98	105.40	30.69	-176.40	-385.69	58.37	5,353.70	5,295.31	58.39	91.694		
8,700.00	6,077.43	6,265.48	6,052.41	106.86	30.90	-176.48	-385.36	57.92	5,432.69	5,373.50	59.19	91.786		
8,800.00	6,138.78	6,336.60	6,123.53	108.31	31.07	-176.54	-385.34	57.44	5,511.43	5,451.56	59.87	92.057		
8,900.00	6,200.13	6,399.24	6,186.17	109.76	31.22	-176.60	-385.34	57.00	5,590.16	5,529.68	60.48	92.425		
9,000.00	6,261.49	6,485.17	6,272.09	111.22	31.42	-176.68	-385.50	56.26	5,668.74	5,607.46	61.28	92.500		
9,100.00	6,322.84	6,537.42	6,324.35	112.67	31.54	-176.72	-385.63	55.74	5,747.26	5,685.44	61.81	92.976		
9,200.00	6,384.20	6,589.52	6,376.44	114.13	31.67	-176.77	-385.66	55.21	5,825.87	5,763.52	62.35	93.445		
9,300.00	6,445.55	6,640.00	6,426.92	115.58	31.79	-176.81	-385.61	54.69	5,904.58	5,841.72	62.87	93.924		
9,400.00	6,506.91	6,694.31	6,481.22	117.03	31.93	-176.85	-385.46	54.16	5,983.40	5,919.98	63.42	94.346		
9,500.00	6,568.26	6,750.53	6,537.44	118.49	32.07	-176.90	-385.29	53.71	6,062.28	5,998.29	63.99	94.736		
9,600.00	6,629.62	6,800.00	6,586.91	119.94	32.19	-176.94	-385.14	53.45	6,141.24	6,076.73	64.51	95.200		
9,700.00	6,690.97	6,853.38	6,640.29	121.40	32.33	-176.97	-384.98	53.40	6,220.30	6,155.24	65.06	95.606		
9,800.00	6,752.33	6,911.62	6,698.53	122.85	32.48	-177.01	-384.81	53.50	6,299.43	6,233.77	65.66	95.944		
9,900.00	6,813.68	6,975.98	6,762.89	124.31	32.64	-177.05	-384.63	53.60	6,378.56	6,312.25	66.31	96.199		
10,000.00	6,875.04	7,046.69	6,833.60	125.76	32.83	-177.09	-384.47	53.63	6,457.61	6,390.60	67.01	96.370		
10,100.00	6,936.39	7,103.25	6,890.16	127.22	32.97	-177.12	-384.34	53.59	6,536.65	6,469.06	67.59	96.706		
10,200.00	6,997.75	7,160.00	6,946.91	128.67	33.12	-177.16	-384.16	53.56	6,615.74	6,547.56	68.18	97.033		
10,300.00	7,059.10	7,208.70	6,995.61	130.13	33.25	-177.18	-383.96	53.59	6,694.91	6,626.21	68.70	97.451		

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 MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 36-T7N-R67W - EXIST HZ SCHNEIDER 33-36 - Wellbore #1 - Wellbore #1		Offset Site Error:		0.00 usft	
Survey Program:		40-MWD											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						
10,400.00	7,118.86	7,254.11	7,041.02	131.62	33.37	164.87	-383.72	53.66	6,775.17	6,705.97	69.20	97.908						
10,500.00	7,173.55	7,290.22	7,077.13	133.17	33.47	145.08	-383.44	53.76	6,856.60	6,786.98	69.62	98.484						
10,600.00	7,221.49	7,320.00	7,106.91	134.72	33.55	127.55	-383.14	53.85	6,936.88	6,866.90	69.98	99.127						
10,700.00	7,261.21	7,347.29	7,134.19	136.22	33.62	113.42	-382.81	53.95	7,013.74	6,943.43	70.31	99.761						
10,800.00	7,291.51	7,360.00	7,146.90	137.61	33.66	102.68	-382.63	54.00	7,085.10	7,014.59	70.51	100.490						
10,900.00	7,311.47	7,379.24	7,166.14	138.86	33.71	95.13	-382.35	54.09	7,149.04	7,078.26	70.79	100.992						
11,000.00	7,320.48	7,384.72	7,171.62	139.92	33.73	90.05	-382.27	54.11	7,203.93	7,132.92	71.01	101.454						
11,100.00	7,321.00	7,384.73	7,171.63	140.82	33.73	88.95	-382.27	54.11	7,251.29	7,180.03	71.26	101.763						
11,200.00	7,321.00	7,384.42	7,171.32	141.74	33.73	88.94	-382.27	54.11	7,299.18	7,227.61	71.56	101.995						
11,300.00	7,321.00	7,384.10	7,171.00	142.69	33.72	88.94	-382.28	54.11	7,348.11	7,276.19	71.92	102.168						
11,400.00	7,321.00	7,383.79	7,170.69	143.67	33.72	88.94	-382.28	54.11	7,398.07	7,325.74	72.33	102.286						
11,500.00	7,321.00	7,383.47	7,170.37	144.68	33.72	88.94	-382.29	54.11	7,449.04	7,376.27	72.78	102.355						
11,600.00	7,321.00	7,383.16	7,170.06	145.73	33.72	88.93	-382.29	54.11	7,501.00	7,427.73	73.27	102.381						
11,700.00	7,321.00	7,382.85	7,169.75	146.80	33.72	88.93	-382.29	54.10	7,553.92	7,480.13	73.79	102.367						
11,800.00	7,321.00	7,382.54	7,169.44	147.91	33.72	88.93	-382.30	54.10	7,607.79	7,533.44	74.35	102.321						
11,900.00	7,321.00	7,382.23	7,169.13	149.05	33.72	88.92	-382.30	54.10	7,662.59	7,587.64	74.94	102.245						
12,000.00	7,321.00	7,381.92	7,168.82	150.22	33.72	88.92	-382.31	54.10	7,718.29	7,642.73	75.56	102.146						
12,100.00	7,321.00	7,381.61	7,168.51	151.42	33.72	88.92	-382.31	54.10	7,774.88	7,698.67	76.20	102.026						
12,200.00	7,321.00	7,381.30	7,168.20	152.66	33.72	88.92	-382.32	54.10	7,832.33	7,755.46	76.87	101.892						
12,300.00	7,321.00	7,381.00	7,167.90	153.93	33.72	88.91	-382.32	54.09	7,890.64	7,813.09	77.55	101.745						
12,400.00	7,321.00	7,380.69	7,167.59	155.22	33.72	88.91	-382.33	54.09	7,949.78	7,871.52	78.25	101.590						
12,500.00	7,321.00	7,380.39	7,167.29	156.55	33.71	88.91	-382.33	54.09	8,009.73	7,930.76	78.97	101.430						
12,600.00	7,321.00	7,380.09	7,166.99	157.91	33.71	88.91	-382.34	54.09	8,070.47	7,990.77	79.70	101.267						
12,700.00	7,321.00	7,379.78	7,166.68	159.31	33.71	88.90	-382.34	54.09	8,131.99	8,051.55	80.43	101.103						
12,800.00	7,321.00	7,379.48	7,166.38	160.73	33.71	88.90	-382.35	54.09	8,194.26	8,113.08	81.18	100.942						
12,900.00	7,321.00	7,379.18	7,166.08	162.18	33.71	88.90	-382.35	54.09	8,257.28	8,175.35	81.93	100.784						
13,000.00	7,321.00	7,378.88	7,165.78	163.67	33.71	88.89	-382.36	54.08	8,321.02	8,238.34	82.69	100.632						
13,100.00	7,321.00	7,378.58	7,165.48	165.18	33.71	88.89	-382.36	54.08	8,385.47	8,302.03	83.45	100.487						
13,200.00	7,321.00	7,378.29	7,165.19	166.73	33.71	88.89	-382.37	54.08	8,450.62	8,366.40	84.21	100.349						
13,300.00	7,321.00	7,377.99	7,164.89	168.30	33.71	88.89	-382.37	54.08	8,516.43	8,431.46	84.98	100.221						
13,400.00	7,321.00	7,377.69	7,164.60	169.90	33.71	88.88	-382.37	54.08	8,582.91	8,497.17	85.74	100.103						
13,500.00	7,321.00	7,377.40	7,164.30	171.53	33.71	88.88	-382.38	54.08	8,650.04	8,563.53	86.50	99.995						
13,600.00	7,321.00	7,377.11	7,164.01	173.19	33.71	88.88	-382.38	54.08	8,717.79	8,630.53	87.27	99.899						
13,700.00	7,321.00	7,376.81	7,163.71	174.88	33.70	88.88	-382.39	54.07	8,786.16	8,698.14	88.02	99.814						
13,800.00	7,321.00	7,376.52	7,163.42	176.59	33.70	88.87	-382.39	54.07	8,855.13	8,766.35	88.78	99.742						
13,900.00	7,321.00	7,376.23	7,163.13	178.33	33.70	88.87	-382.40	54.07	8,924.69	8,835.16	89.53	99.681						
14,000.00	7,321.00	7,375.94	7,162.84	180.09	33.70	88.87	-382.40	54.07	8,994.82	8,904.55	90.28	99.634						
14,100.00	7,321.00	7,375.65	7,162.55	181.88	33.70	88.87	-382.41	54.07	9,065.52	8,974.50	91.02	99.598						
14,200.00	7,321.00	7,375.36	7,162.27	183.70	33.70	88.86	-382.41	54.07	9,136.76	9,045.00	91.76	99.576						
14,300.00	7,321.00	7,375.08	7,161.98	185.54	33.70	88.86	-382.41	54.07	9,208.53	9,116.05	92.49	99.565						
14,400.00	7,321.00	7,374.79	7,161.69	187.40	33.70	88.86	-382.42	54.07	9,280.83	9,187.62	93.21	99.568						
14,500.00	7,321.00	7,374.50	7,161.41	189.29	33.70	88.86	-382.42	54.06	9,353.64	9,259.71	93.93	99.583						
14,600.00	7,321.00	7,374.22	7,161.12	191.20	33.70	88.85	-382.43	54.06	9,426.95	9,332.31	94.64	99.610						
14,700.00	7,321.00	7,373.94	7,160.84	193.13	33.70	88.85	-382.43	54.06	9,500.74	9,405.40	95.34	99.650						
14,800.00	7,321.00	7,373.65	7,160.55	195.08	33.70	88.85	-382.44	54.06	9,575.01	9,478.97	96.04	99.702						
14,900.00	7,321.00	7,373.37	7,160.27	197.05	33.70	88.85	-382.44	54.06	9,649.74	9,553.02	96.72	99.765						
15,000.00	7,321.00	7,373.09	7,159.99	199.04	33.69	88.84	-382.44	54.06	9,724.93	9,627.53	97.40	99.841						
15,100.00	7,321.00	7,372.81	7,159.71	201.06	33.69	88.84	-382.45	54.06	9,800.56	9,702.48	98.08	99.927						
15,200.00	7,321.00	7,372.53	7,159.43	203.09	33.69	88.84	-382.45	54.06	9,876.63	9,777.89	98.74	100.025						
15,300.00	7,321.00	7,372.25	7,159.15	205.14	33.69	88.84	-382.46	54.05	9,953.11	9,853.72	99.40	100.134						
15,400.00	7,321.00	7,371.97	7,158.88	207.21	33.69	88.83	-382.46	54.05	10,030.02	9,929.97	100.05	100.254						

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 440-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	66.21	66.21	0.27	0.12	-176.76	-1,740.69	-98.41	1,743.47	1,743.09	0.38	4,542.719		
200.00	200.00	163.59	163.59	0.63	0.28	-176.76	-1,740.86	-98.42	1,743.65	1,742.74	0.91	1,913.411		
300.00	299.98	260.95	260.95	0.97	0.45	-20.04	-1,741.18	-98.44	1,742.34	1,740.91	1.43	1,222.530		
400.00	399.84	358.21	358.21	1.32	0.62	-20.12	-1,741.65	-98.47	1,737.90	1,735.96	1.94	895.413		
500.00	499.45	455.57	455.57	1.68	0.82	-20.27	-1,742.26	-98.51	1,730.34	1,727.85	2.50	693.239		
600.00	598.70	554.97	554.97	2.07	1.18	-20.49	-1,742.94	-98.63	1,719.59	1,716.38	3.22	534.452		
700.00	697.47	654.30	654.29	2.48	1.53	-20.77	-1,743.61	-98.80	1,705.61	1,701.66	3.95	432.249		
800.00	795.62	758.73	758.71	2.93	1.91	-21.13	-1,744.13	-98.96	1,688.25	1,683.55	4.70	359.283		
900.00	893.06	888.85	888.80	3.41	2.35	-21.76	-1,743.72	-96.27	1,666.94	1,661.41	5.53	301.243		
1,000.00	989.64	1,052.76	1,052.31	3.93	2.92	-22.90	-1,737.90	-86.61	1,639.23	1,632.74	6.49	252.569		
1,100.00	1,085.27	1,214.80	1,213.15	4.50	3.50	-24.47	-1,725.54	-71.48	1,604.77	1,597.31	7.46	215.112		
1,200.00	1,179.82	1,379.20	1,374.81	5.11	4.15	-26.65	-1,705.89	-49.26	1,563.83	1,555.36	8.47	184.597		
1,300.00	1,273.17	1,521.07	1,512.69	5.77	4.78	-29.16	-1,682.30	-25.65	1,516.22	1,506.77	9.45	160.450		
1,400.00	1,365.21	1,617.08	1,605.07	6.48	5.25	-31.47	-1,664.13	-6.91	1,464.87	1,454.55	10.33	141.858		
1,500.00	1,455.84	1,713.29	1,696.74	7.23	5.76	-34.27	-1,644.84	15.00	1,411.14	1,399.87	11.27	125.158		
1,600.00	1,544.94	1,815.46	1,793.18	8.04	6.34	-37.74	-1,622.09	39.92	1,354.53	1,342.20	12.33	109.884		
1,700.00	1,632.39	1,891.59	1,864.37	8.90	6.80	-41.00	-1,603.89	59.84	1,296.12	1,282.75	13.37	96.944		
1,800.00	1,718.11	1,952.41	1,920.98	9.81	7.18	-44.13	-1,589.18	76.49	1,237.34	1,222.89	14.45	85.630		
1,900.00	1,801.97	2,005.62	1,970.50	10.77	7.52	-47.24	-1,576.47	91.22	1,179.01	1,163.40	15.60	75.562		
2,000.00	1,883.88	2,061.75	2,022.92	11.78	7.89	-50.70	-1,563.42	106.47	1,121.73	1,104.85	16.89	66.420		
2,100.00	1,963.74	2,127.14	2,083.86	12.84	8.31	-54.89	-1,547.84	124.37	1,065.56	1,047.20	18.37	58.015		
2,200.00	2,041.45	2,186.38	2,138.73	13.95	8.72	-59.09	-1,532.98	141.05	1,011.11	991.13	19.99	50.591		
2,300.00	2,116.92	2,238.28	2,186.45	15.10	9.08	-63.11	-1,519.36	156.21	959.61	937.87	21.74	44.134		
2,400.00	2,190.05	2,284.53	2,228.82	16.31	9.41	-66.90	-1,506.87	169.94	912.36	888.73	23.63	38.608		
2,500.00	2,260.76	2,325.82	2,266.62	17.56	9.71	-70.40	-1,495.56	182.12	870.72	845.10	25.62	33.990		
2,600.00	2,328.95	2,360.00	2,297.92	18.85	9.96	-73.36	-1,486.24	192.20	836.23	808.61	27.62	30.276		
2,700.00	2,394.55	2,388.37	2,323.93	20.19	10.17	-75.81	-1,478.62	200.57	810.34	780.78	29.56	27.413		
2,800.00	2,457.48	2,416.91	2,350.13	21.57	10.38	-78.09	-1,471.08	209.01	794.28	762.89	31.39	25.302		
2,894.12	2,515.33	2,443.89	2,374.90	22.90	10.57	-79.98	-1,463.97	216.99	789.17	756.27	32.91	23.981		
2,900.00	2,518.85	2,445.65	2,376.52	22.98	10.59	-80.11	-1,463.51	217.51	789.17	756.18	32.99	23.918 CC, ES		
3,000.00	2,580.20	2,477.13	2,405.40	24.39	10.82	-82.31	-1,455.06	226.77	795.61	761.31	34.30	23.195		
3,100.00	2,641.56	2,507.06	2,432.80	25.81	11.04	-84.39	-1,446.80	235.51	813.34	778.11	35.23	23.087 SF		
3,200.00	2,702.91	2,532.91	2,456.45	27.23	11.23	-86.19	-1,439.54	243.04	841.74	805.98	35.76	23.538		
3,300.00	2,764.27	2,556.45	2,477.96	28.65	11.41	-87.82	-1,432.99	249.97	879.91	843.94	35.97	24.462		
3,400.00	2,825.62	2,580.20	2,499.68	30.08	11.59	-89.44	-1,426.46	257.04	926.65	890.69	35.96	25.766		
3,500.00	2,886.98	2,603.84	2,521.29	31.51	11.77	-91.04	-1,420.06	264.16	980.74	944.93	35.81	27.387		
3,600.00	2,948.33	2,625.44	2,541.02	32.95	11.93	-92.49	-1,414.23	270.77	1,041.06	1,005.51	35.54	29.290		
3,700.00	3,009.68	2,646.12	2,559.86	34.38	12.09	-93.86	-1,408.62	277.19	1,106.62	1,071.40	35.22	31.418		
3,800.00	3,071.04	2,665.25	2,577.23	35.82	12.24	-95.11	-1,403.39	283.22	1,176.59	1,141.72	34.87	33.741		
3,900.00	3,132.39	2,680.00	2,590.61	37.25	12.35	-96.07	-1,399.32	287.94	1,250.28	1,215.80	34.47	36.269		
4,000.00	3,193.75	2,702.75	2,611.18	38.69	12.53	-97.52	-1,392.98	295.31	1,327.03	1,292.82	34.21	38.794		
4,100.00	3,255.10	2,720.00	2,626.73	40.13	12.67	-98.61	-1,388.13	300.97	1,406.39	1,372.49	33.90	41.490		
4,200.00	3,316.46	2,741.51	2,646.09	41.58	12.84	-99.94	-1,382.03	308.07	1,487.92	1,454.24	33.68	44.180		
4,300.00	3,377.81	2,760.00	2,662.72	43.02	12.99	-101.07	-1,376.74	314.20	1,571.27	1,537.82	33.45	46.968		
4,400.00	3,439.17	2,780.74	2,681.34	44.46	13.16	-102.32	-1,370.75	321.11	1,656.18	1,622.89	33.29	49.746		
4,500.00	3,500.52	2,800.00	2,698.60	45.91	13.32	-103.46	-1,365.15	327.55	1,742.44	1,709.29	33.14	52.573		
4,600.00	3,561.88	2,819.70	2,716.24	47.35	13.48	-104.60	-1,359.37	334.16	1,829.84	1,796.81	33.03	55.399		
4,700.00	3,623.23	2,840.00	2,734.40	48.80	13.65	-105.75	-1,353.39	340.98	1,918.24	1,885.29	32.95	58.213		
4,800.00	3,684.59	2,858.74	2,751.14	50.24	13.81	-106.80	-1,347.83	347.29	2,007.51	1,974.63	32.88	61.055		
4,900.00	3,745.94	2,880.00	2,770.12	51.69	13.98	-107.96	-1,341.49	354.47	2,097.53	2,064.67	32.86	63.825		
5,000.00	3,807.30	2,944.65	2,828.07	53.14	14.52	-111.35	-1,322.43	375.88	2,188.10	2,154.69	33.41	65.487		
5,100.00	3,868.65	3,019.31	2,895.78	54.58	15.11	-114.97	-1,301.35	399.19	2,278.43	2,244.35	34.09	66.843		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 440-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	3,930.01	3,054.96	2,928.29	56.03	15.39	-116.60	-1,291.32	409.89	2,369.08	2,334.79	34.29	69.086		
5,300.00	3,991.36	3,085.94	2,956.57	57.48	15.63	-117.98	-1,282.55	418.99	2,460.08	2,425.63	34.45	71.404		
5,400.00	4,052.72	3,105.35	2,974.28	58.93	15.79	-118.81	-1,277.03	424.69	2,551.51	2,517.02	34.49	73.972		
5,500.00	4,114.07	3,120.00	2,987.64	60.38	15.90	-119.43	-1,272.85	429.03	2,643.38	2,608.89	34.49	76.640		
5,600.00	4,175.43	3,142.85	3,008.44	61.83	16.08	-120.37	-1,266.32	435.86	2,735.63	2,701.03	34.60	79.066		
5,700.00	4,236.78	3,160.00	3,024.04	63.28	16.22	-121.06	-1,261.40	441.03	2,828.24	2,793.59	34.65	81.616		
5,800.00	4,298.14	3,181.55	3,043.61	64.73	16.39	-121.90	-1,255.21	447.58	2,921.17	2,886.40	34.77	84.011		
5,900.00	4,359.49	3,200.00	3,060.35	66.18	16.53	-122.61	-1,249.92	453.24	3,014.39	2,979.53	34.86	86.462		
6,000.00	4,420.85	3,224.14	3,082.25	67.63	16.73	-123.50	-1,243.02	460.72	3,107.85	3,072.82	35.03	88.707		
6,100.00	4,482.20	3,249.10	3,104.87	69.08	16.93	-124.40	-1,235.94	468.53	3,201.53	3,166.30	35.23	90.885		
6,200.00	4,543.55	3,383.05	3,227.13	70.53	17.98	-128.76	-1,199.45	509.29	3,295.12	3,258.41	36.72	89.746		
6,300.00	4,604.91	3,430.35	3,270.67	71.98	18.34	-130.12	-1,187.50	523.39	3,388.17	3,350.98	37.19	91.110		
6,400.00	4,666.26	3,465.29	3,302.86	73.44	18.61	-131.07	-1,178.99	533.97	3,481.24	3,443.72	37.53	92.771		
6,500.00	4,727.62	3,494.19	3,329.49	74.89	18.83	-131.82	-1,172.06	542.83	3,574.44	3,536.64	37.80	94.564		
6,600.00	4,788.97	3,520.59	3,353.79	76.34	19.03	-132.48	-1,165.77	550.98	3,667.77	3,629.72	38.05	96.392		
6,700.00	4,850.33	3,551.33	3,382.09	77.79	19.27	-133.22	-1,158.49	560.54	3,761.22	3,722.86	38.36	98.047		
6,800.00	4,911.68	3,592.73	3,420.23	79.24	19.59	-134.17	-1,148.79	573.38	3,854.68	3,815.88	38.81	99.331		
6,900.00	4,973.04	3,668.94	3,490.68	80.70	20.16	-135.81	-1,131.33	596.65	3,947.97	3,908.30	39.67	99.514		
7,000.00	5,034.39	3,718.92	3,536.98	82.15	20.53	-136.81	-1,120.22	611.80	4,041.18	4,000.95	40.23	100.457		
7,100.00	5,095.75	3,828.79	3,639.17	83.60	21.34	-138.78	-1,097.70	645.30	4,133.98	4,092.46	41.52	99.570		
7,200.00	5,157.10	3,840.00	3,649.61	85.05	21.42	-138.96	-1,095.58	648.79	4,226.70	4,185.08	41.62	101.547		
7,300.00	5,218.46	3,858.95	3,667.21	86.51	21.56	-139.26	-1,092.03	654.83	4,319.61	4,277.78	41.83	103.266		
7,400.00	5,279.81	3,880.00	3,686.67	87.96	21.72	-139.58	-1,088.07	661.82	4,412.81	4,370.74	42.07	104.893		
7,500.00	5,341.17	3,880.00	3,686.67	89.41	21.72	-139.58	-1,088.07	661.82	4,506.15	4,464.10	42.05	107.165		
7,600.00	5,402.52	3,880.00	3,686.67	90.87	21.72	-139.58	-1,088.07	661.82	4,599.77	4,557.74	42.03	109.435		
7,700.00	5,463.88	3,899.37	3,704.48	92.32	21.87	-139.86	-1,084.41	668.50	4,693.52	4,651.25	42.27	111.045		
7,800.00	5,525.23	3,920.00	3,723.34	93.77	22.03	-140.15	-1,080.49	675.89	4,787.54	4,745.01	42.52	112.585		
7,900.00	5,586.59	3,920.00	3,723.34	95.23	22.03	-140.15	-1,080.49	675.89	4,881.64	4,839.13	42.52	114.814		
8,000.00	5,647.94	3,920.00	3,723.34	96.68	22.03	-140.15	-1,080.49	675.89	4,975.98	4,933.47	42.52	117.039		
8,100.00	5,709.30	3,920.00	3,723.34	98.13	22.03	-140.15	-1,080.49	675.89	5,070.54	5,028.02	42.52	119.258		
8,200.00	5,770.65	3,939.63	3,741.18	99.59	22.19	-140.41	-1,076.69	683.15	5,165.14	5,122.36	42.78	120.740		
8,300.00	5,832.01	3,960.00	3,759.57	101.04	22.36	-140.68	-1,072.58	690.86	5,260.05	5,216.99	43.05	122.173		
8,400.00	5,893.36	3,960.00	3,759.57	102.49	22.36	-140.68	-1,072.58	690.86	5,354.97	5,311.90	43.07	124.343		
8,500.00	5,954.72	3,960.00	3,759.57	103.95	22.36	-140.68	-1,072.58	690.86	5,450.07	5,406.99	43.08	126.506		
8,600.00	6,016.07	3,960.00	3,759.57	105.40	22.36	-140.68	-1,072.58	690.86	5,545.35	5,502.25	43.10	128.661		
8,700.00	6,077.43	3,960.00	3,759.57	106.86	22.36	-140.68	-1,072.58	690.86	5,640.79	5,597.67	43.12	130.808		
8,800.00	6,138.78	3,976.49	3,774.38	108.31	22.50	-140.89	-1,069.13	697.25	5,736.27	5,692.90	43.37	132.277		
8,900.00	6,200.13	3,982.02	3,779.33	109.76	22.55	-140.95	-1,067.94	699.42	5,831.92	5,788.45	43.47	134.168		
9,000.00	6,261.49	4,000.00	3,795.35	111.22	22.70	-141.17	-1,064.01	706.57	5,927.76	5,884.02	43.74	135.536		
9,100.00	6,322.84	4,000.00	3,795.35	112.67	22.70	-141.17	-1,064.01	706.57	6,023.60	5,979.83	43.77	137.616		
9,200.00	6,384.20	4,000.00	3,795.35	114.13	22.70	-141.17	-1,064.01	706.57	6,119.58	6,075.77	43.81	139.684		
9,300.00	6,445.55	4,000.00	3,795.35	115.58	22.70	-141.17	-1,064.01	706.57	6,215.68	6,171.82	43.85	141.741		
9,400.00	6,506.91	4,000.00	3,795.35	117.03	22.70	-141.17	-1,064.01	706.57	6,311.90	6,268.00	43.90	143.785		
9,500.00	6,568.26	4,000.00	3,795.35	118.49	22.70	-141.17	-1,064.01	706.57	6,408.24	6,364.29	43.95	145.816		
9,600.00	6,629.62	4,018.07	3,811.35	119.94	22.86	-141.39	-1,059.90	713.88	6,504.56	6,460.32	44.24	147.043		
9,700.00	6,690.97	4,022.86	3,815.59	121.40	22.91	-141.45	-1,058.78	715.83	6,601.04	6,556.68	44.35	148.828		
9,800.00	6,752.33	4,040.00	3,830.67	122.85	23.06	-141.65	-1,054.69	722.86	6,697.66	6,653.03	44.63	150.055		
9,900.00	6,813.68	4,040.00	3,830.67	124.31	23.06	-141.65	-1,054.69	722.86	6,794.27	6,749.58	44.70	152.011		
10,000.00	6,875.04	4,040.00	3,830.67	125.76	23.06	-141.65	-1,054.69	722.86	6,890.98	6,846.22	44.76	153.952		
10,100.00	6,936.39	4,040.00	3,830.67	127.22	23.06	-141.65	-1,054.69	722.86	6,987.78	6,942.95	44.83	155.878		
10,200.00	6,997.75	4,040.00	3,830.67	128.67	23.06	-141.65	-1,054.69	722.86	7,084.67	7,039.77	44.90	157.789		
10,300.00	7,059.10	4,040.00	3,830.67	130.13	23.06	-141.65	-1,054.69	722.86	7,181.64	7,136.67	44.97	159.684		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 440-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,400.00	7,118.86	4,040.00	3,830.67	131.62	23.06	174.59	-1,054.69	722.86	7,279.67	7,234.61	45.06	161.558	
10,500.00	7,173.55	4,040.00	3,830.67	133.17	23.06	110.19	-1,054.69	722.86	7,378.41	7,333.27	45.14	163.448	
10,600.00	7,221.49	4,040.00	3,830.67	134.72	23.06	83.52	-1,054.69	722.86	7,474.92	7,429.72	45.20	165.369	
10,700.00	7,261.21	4,040.00	3,830.67	136.22	23.06	71.69	-1,054.69	722.86	7,566.41	7,521.18	45.23	167.282	
10,800.00	7,291.51	4,040.00	3,830.67	137.61	23.06	65.12	-1,054.69	722.86	7,650.31	7,605.07	45.24	169.096	
10,900.00	7,311.47	4,040.00	3,830.67	138.86	23.06	61.25	-1,054.69	722.86	7,724.38	7,679.12	45.26	170.663	
11,000.00	7,320.48	4,040.00	3,830.67	139.92	23.06	59.17	-1,054.69	722.86	7,786.66	7,741.34	45.32	171.798	
11,100.00	7,321.00	4,040.00	3,830.67	140.82	23.06	58.82	-1,054.69	722.86	7,839.22	7,793.75	45.47	172.414	
11,200.00	7,321.00	4,040.00	3,830.67	141.74	23.06	58.82	-1,054.69	722.86	7,892.03	7,846.35	45.68	172.767	
11,300.00	7,321.00	4,018.09	3,811.37	142.69	22.86	58.65	-1,059.90	713.88	7,945.56	7,899.87	45.69	173.884	
11,400.00	7,321.00	4,000.00	3,795.35	143.67	22.70	58.52	-1,064.01	706.57	8,000.08	7,954.27	45.81	174.626	
11,500.00	7,321.00	4,000.00	3,795.35	144.68	22.70	58.52	-1,064.01	706.57	8,055.36	8,009.17	46.19	174.402	
11,600.00	7,321.00	4,000.00	3,795.35	145.73	22.70	58.52	-1,064.01	706.57	8,111.49	8,064.88	46.61	174.036	
11,700.00	7,321.00	4,000.00	3,795.35	146.80	22.70	58.52	-1,064.01	706.57	8,168.46	8,121.39	47.07	173.548	
11,800.00	7,321.00	4,000.00	3,795.35	147.91	22.70	58.52	-1,064.01	706.57	8,226.25	8,178.69	47.56	172.957	
11,900.00	7,321.00	3,980.06	3,777.57	149.05	22.53	58.37	-1,068.37	698.65	8,284.69	8,236.80	47.88	173.022	
12,000.00	7,321.00	3,960.00	3,759.57	150.22	22.36	58.22	-1,072.58	690.86	8,344.04	8,295.81	48.24	172.980	
12,100.00	7,321.00	3,960.00	3,759.57	151.42	22.36	58.22	-1,072.58	690.86	8,404.01	8,355.18	48.83	172.125	
12,200.00	7,321.00	3,960.00	3,759.57	152.66	22.36	58.22	-1,072.58	690.86	8,464.73	8,415.30	49.43	171.230	
12,300.00	7,321.00	3,960.00	3,759.57	153.93	22.36	58.22	-1,072.58	690.86	8,526.20	8,476.13	50.06	170.306	
12,400.00	7,321.00	3,960.00	3,759.57	155.22	22.36	58.22	-1,072.58	690.86	8,588.38	8,537.68	50.71	169.365	
12,500.00	7,321.00	3,960.00	3,759.57	156.55	22.36	58.22	-1,072.58	690.86	8,651.28	8,599.91	51.37	168.415	
12,600.00	7,321.00	3,940.42	3,741.89	157.91	22.20	58.07	-1,076.53	683.44	8,714.72	8,662.86	51.86	168.037	
12,700.00	7,321.00	3,920.00	3,723.34	159.31	22.03	57.92	-1,080.49	675.89	8,778.98	8,726.62	52.36	167.656	
12,800.00	7,321.00	3,920.00	3,723.34	160.73	22.03	57.92	-1,080.49	675.89	8,843.75	8,790.69	53.06	166.683	
12,900.00	7,321.00	3,920.00	3,723.34	162.18	22.03	57.92	-1,080.49	675.89	8,909.17	8,855.41	53.76	165.727	
13,000.00	7,321.00	3,920.00	3,723.34	163.67	22.03	57.92	-1,080.49	675.89	8,975.22	8,920.76	54.46	164.795	
13,100.00	7,321.00	3,920.00	3,723.34	165.18	22.03	57.92	-1,080.49	675.89	9,041.90	8,986.73	55.17	163.888	
13,200.00	7,321.00	3,920.00	3,723.34	166.73	22.03	57.92	-1,080.49	675.89	9,109.19	9,053.30	55.88	163.009	
13,300.00	7,321.00	3,901.38	3,706.32	168.30	21.88	57.78	-1,084.03	669.21	9,176.95	9,120.51	56.44	162.591	
13,400.00	7,321.00	3,880.00	3,686.67	169.90	21.72	57.62	-1,088.07	661.82	9,245.42	9,188.43	56.99	162.242	
13,500.00	7,321.00	3,880.00	3,686.67	171.53	21.72	57.62	-1,088.07	661.82	9,314.31	9,256.61	57.70	161.429	
13,600.00	7,321.00	3,880.00	3,686.67	173.19	21.72	57.62	-1,088.07	661.82	9,383.75	9,325.34	58.41	160.650	
13,700.00	7,321.00	3,880.00	3,686.67	174.88	21.72	57.62	-1,088.07	661.82	9,453.75	9,394.63	59.12	159.907	
13,800.00	7,321.00	3,880.00	3,686.67	176.59	21.72	57.62	-1,088.07	661.82	9,524.28	9,464.45	59.83	159.199	
13,900.00	7,321.00	3,880.00	3,686.67	178.33	21.72	57.62	-1,088.07	661.82	9,595.33	9,534.80	60.53	158.526	
14,000.00	7,321.00	3,880.00	3,686.67	180.09	21.72	57.62	-1,088.07	661.82	9,666.90	9,605.67	61.23	157.888	
14,100.00	7,321.00	3,859.38	3,667.61	181.88	21.56	57.47	-1,091.95	654.97	9,738.82	9,677.05	61.77	157.661	
14,200.00	7,321.00	3,840.00	3,649.61	183.70	21.42	57.32	-1,095.58	648.79	9,811.37	9,749.05	62.32	157.430	
14,300.00	7,321.00	3,840.00	3,649.61	185.54	21.42	57.32	-1,095.58	648.79	9,884.28	9,821.27	63.01	156.875	
14,400.00	7,321.00	3,840.00	3,649.61	187.40	21.42	57.32	-1,095.58	648.79	9,957.65	9,893.97	63.69	156.354	
14,500.00	7,321.00	3,840.00	3,649.61	189.29	21.42	57.32	-1,095.58	648.79	10,031.49	9,967.13	64.36	155.866	

Civitas Resources
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 36-T7N-R67W - EXIST HZ SCHNEIDER 37-36 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.00 usft
Survey Program: 93-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	97.51	97.51	0.27	0.15	-178.67	-2,122.22	-49.38	2,122.96	2,122.54	0.42	5,113.116	
200.00	200.00	180.00	179.99	0.63	0.45	-178.68	-2,121.40	-48.96	2,121.99	2,120.91	1.08	1,969.242	
300.00	299.98	270.00	269.99	0.97	0.77	-21.96	-2,121.12	-48.54	2,120.06	2,118.32	1.74	1,218.671	
400.00	399.84	362.00	361.99	1.32	1.09	-22.07	-2,121.37	-47.78	2,115.45	2,113.04	2.41	877.816	
500.00	499.45	453.00	452.98	1.68	1.41	-22.22	-2,121.99	-47.25	2,108.04	2,104.96	3.08	683.557	
600.00	598.70	550.31	550.29	2.07	1.75	-22.43	-2,122.95	-46.94	2,097.73	2,093.94	3.79	553.655	
700.00	697.47	649.78	649.75	2.48	2.10	-22.73	-2,123.89	-45.84	2,084.18	2,079.66	4.52	461.495	
800.00	795.62	766.07	765.99	2.93	2.52	-23.19	-2,124.38	-42.92	2,066.94	2,061.63	5.32	388.785	
900.00	893.06	855.33	855.16	3.41	2.84	-23.71	-2,124.41	-38.70	2,046.24	2,040.22	6.03	339.372	
1,000.00	989.64	923.00	922.75	3.93	3.09	-24.19	-2,125.21	-35.60	2,023.61	2,016.93	6.68	303.065	
1,100.00	1,085.27	1,006.05	1,005.63	4.50	3.39	-24.84	-2,127.01	-30.77	1,998.97	1,991.57	7.40	270.185	
1,200.00	1,179.82	1,084.77	1,084.02	5.11	3.68	-25.60	-2,129.19	-23.85	1,972.08	1,963.95	8.13	242.668	
1,300.00	1,273.17	1,167.24	1,165.91	5.77	4.00	-26.54	-2,132.01	-14.60	1,943.09	1,934.20	8.90	218.414	
1,400.00	1,365.21	1,249.75	1,247.54	6.48	4.33	-27.65	-2,135.05	-2.99	1,911.89	1,902.19	9.70	197.093	
1,500.00	1,455.84	1,325.76	1,322.45	7.23	4.64	-28.85	-2,138.09	9.57	1,878.69	1,868.18	10.52	178.634	
1,600.00	1,544.94	1,395.11	1,390.55	8.04	4.93	-30.11	-2,141.37	22.23	1,844.04	1,832.69	11.35	162.501	
1,700.00	1,632.39	1,476.58	1,470.37	8.90	5.29	-31.68	-2,145.57	37.98	1,807.79	1,795.51	12.28	147.219	
1,800.00	1,718.11	1,576.83	1,568.47	9.81	5.74	-33.73	-2,150.25	58.08	1,769.42	1,756.08	13.35	132.550	
1,900.00	1,801.97	1,689.51	1,678.72	10.77	6.26	-36.25	-2,153.63	81.12	1,728.14	1,713.60	14.54	118.883	
2,000.00	1,883.88	1,773.02	1,760.55	11.78	6.64	-38.46	-2,155.31	97.72	1,684.74	1,669.09	15.65	107.640	
2,100.00	1,963.74	1,849.63	1,835.53	12.84	7.00	-40.75	-2,156.55	113.38	1,640.07	1,623.26	16.81	97.578	
2,200.00	2,041.45	1,911.41	1,895.93	13.95	7.29	-42.88	-2,157.61	126.32	1,594.80	1,576.83	17.97	88.745	
2,300.00	2,116.92	1,978.58	1,961.76	15.10	7.61	-45.27	-2,159.44	139.53	1,549.52	1,530.29	19.24	80.550	
2,400.00	2,190.05	2,060.55	2,042.15	16.31	7.99	-48.26	-2,161.25	155.46	1,503.70	1,483.03	20.66	72.770	
2,500.00	2,260.76	2,136.73	2,117.00	17.56	8.35	-51.29	-2,162.55	169.52	1,457.57	1,435.41	22.16	65.778	
2,600.00	2,328.95	2,190.24	2,169.67	18.85	8.59	-53.79	-2,163.56	178.95	1,411.98	1,388.34	23.65	59.712	
2,700.00	2,394.55	2,240.41	2,219.01	20.19	8.82	-56.28	-2,164.92	187.97	1,368.03	1,342.80	25.22	54.233	
2,800.00	2,457.48	2,305.32	2,282.86	21.57	9.12	-59.40	-2,166.86	199.43	1,325.73	1,298.73	27.00	49.110	
2,900.00	2,518.85	2,361.90	2,338.59	22.98	9.38	-61.57	-2,168.55	209.06	1,286.06	1,257.24	28.82	44.628	
3,000.00	2,580.20	2,414.87	2,390.75	24.39	9.63	-63.59	-2,170.31	218.12	1,250.67	1,219.98	30.69	40.754	
3,100.00	2,641.56	2,470.10	2,445.11	25.81	9.88	-65.73	-2,172.24	227.67	1,219.91	1,187.29	32.63	37.391	
3,200.00	2,702.91	2,524.73	2,498.86	27.23	10.14	-67.89	-2,174.14	237.29	1,194.08	1,159.49	34.59	34.521	
3,300.00	2,764.27	2,577.11	2,550.38	28.65	10.38	-69.98	-2,176.30	246.45	1,173.62	1,137.08	36.54	32.120	
3,400.00	2,825.62	2,632.87	2,605.25	30.08	10.64	-72.21	-2,179.12	256.01	1,158.74	1,120.26	38.48	30.110	
3,500.00	2,886.98	2,692.10	2,663.53	31.51	10.92	-74.59	-2,182.33	266.04	1,149.40	1,109.00	40.40	28.449	
3,600.00	2,948.33	2,741.18	2,711.80	32.95	11.15	-76.58	-2,184.98	274.54	1,145.89	1,103.72	42.16	27.177	
3,605.68	2,951.81	2,743.80	2,714.37	33.03	11.16	-76.68	-2,185.11	275.01	1,145.88	1,103.62	42.26	27.115 CC, ES	
3,700.00	3,009.68	2,797.00	2,766.53	34.38	11.42	-78.85	-2,187.68	285.15	1,148.79	1,104.91	43.88	26.181	
3,800.00	3,071.04	2,862.75	2,831.02	35.82	11.73	-81.54	-2,190.38	297.71	1,157.40	1,111.83	45.57	25.400	
3,900.00	3,132.39	2,928.40	2,895.58	37.25	12.04	-84.20	-2,192.73	309.31	1,170.75	1,123.62	47.12	24.845	
4,000.00	3,193.75	2,985.85	2,952.12	38.69	12.31	-86.48	-2,195.31	319.24	1,189.53	1,141.07	48.47	24.544	
4,100.00	3,255.10	3,046.41	3,011.71	40.13	12.59	-88.85	-2,198.46	329.57	1,213.43	1,163.72	49.71	24.412 SF	
4,200.00	3,316.46	3,106.29	3,070.64	41.58	12.87	-91.15	-2,201.69	339.66	1,242.04	1,191.23	50.81	24.444	
4,300.00	3,377.81	3,162.94	3,126.41	43.02	13.14	-93.30	-2,204.01	349.33	1,275.19	1,223.43	51.76	24.637	
4,400.00	3,439.17	3,223.39	3,185.94	44.46	13.42	-95.57	-2,205.97	359.70	1,312.59	1,259.96	52.63	24.939	
4,500.00	3,500.52	3,293.78	3,255.29	45.91	13.74	-98.13	-2,208.54	371.45	1,353.66	1,300.14	53.52	25.294	
4,600.00	3,561.88	3,371.47	3,332.04	47.35	14.09	-100.88	-2,211.05	383.22	1,397.34	1,342.95	54.39	25.692	
4,700.00	3,623.23	3,420.56	3,380.56	48.80	14.31	-102.57	-2,212.54	390.56	1,444.21	1,389.32	54.89	26.311	
4,800.00	3,684.59	3,473.98	3,433.29	50.24	14.55	-104.35	-2,214.22	398.87	1,494.38	1,439.00	55.38	26.986	
4,900.00	3,745.94	3,538.31	3,496.77	51.69	14.84	-106.41	-2,217.04	408.93	1,547.11	1,491.16	55.95	27.652	
5,000.00	3,807.30	3,596.90	3,554.55	53.14	15.10	-108.20	-2,220.24	418.11	1,602.06	1,545.62	56.44	28.387	
5,100.00	3,868.65	3,655.70	3,612.51	54.58	15.37	-109.93	-2,223.53	427.40	1,659.13	1,602.23	56.90	29.159	

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 93-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	3,930.01	3,716.85	3,672.85	56.03	15.65	-111.68	-2,226.46	436.89	1,718.04	1,660.68	57.36	29.951		
5,300.00	3,991.36	3,771.93	3,727.25	57.48	15.90	-113.21	-2,228.60	445.28	1,778.67	1,720.94	57.73	30.812		
5,400.00	4,052.72	3,827.00	3,781.62	58.93	16.15	-114.69	-2,230.59	453.80	1,841.05	1,782.98	58.08	31.699		
5,500.00	4,114.07	3,861.28	3,815.42	60.38	16.31	-115.59	-2,231.77	459.35	1,905.26	1,847.08	58.18	32.746		
5,600.00	4,175.43	3,896.61	3,850.19	61.83	16.47	-116.48	-2,232.97	465.48	1,971.41	1,913.12	58.29	33.821		
5,700.00	4,236.78	3,937.78	3,890.64	63.28	16.67	-117.49	-2,234.34	473.12	2,039.31	1,980.84	58.47	34.878		
5,800.00	4,298.14	3,994.05	3,945.87	64.73	16.94	-118.82	-2,236.19	483.70	2,108.39	2,049.55	58.85	35.828		
5,900.00	4,359.49	4,053.48	4,004.21	66.18	17.22	-120.18	-2,238.08	494.82	2,178.39	2,119.12	59.27	36.754		
6,000.00	4,420.85	4,115.72	4,065.37	67.63	17.52	-121.54	-2,239.87	506.24	2,249.11	2,189.38	59.73	37.656		
6,100.00	4,482.20	4,187.15	4,135.59	69.08	17.86	-123.02	-2,242.26	519.15	2,320.34	2,260.03	60.31	38.472		
6,200.00	4,543.55	4,251.07	4,198.42	70.53	18.16	-124.28	-2,244.83	530.60	2,391.99	2,331.17	60.82	39.331		
6,300.00	4,604.91	4,308.80	4,255.18	71.98	18.44	-125.36	-2,247.21	540.88	2,464.17	2,402.91	61.25	40.230		
6,400.00	4,666.26	4,355.19	4,300.76	73.44	18.66	-126.20	-2,249.06	549.25	2,537.08	2,475.53	61.55	41.219		
6,500.00	4,727.62	4,402.67	4,347.40	74.89	18.89	-127.03	-2,250.86	558.00	2,610.77	2,548.90	61.87	42.197		
6,600.00	4,788.97	4,454.61	4,398.42	76.34	19.14	-127.92	-2,252.61	567.58	2,685.10	2,622.84	62.25	43.132		
6,700.00	4,850.33	4,505.16	4,448.09	77.79	19.38	-128.75	-2,254.07	576.88	2,759.98	2,697.36	62.62	44.074		
6,800.00	4,911.68	4,554.28	4,496.34	79.24	19.62	-129.53	-2,255.39	585.98	2,835.43	2,772.45	62.98	45.023		
6,900.00	4,973.04	4,611.89	4,552.91	80.70	19.89	-130.41	-2,256.86	596.73	2,911.36	2,847.91	63.45	45.885		
7,000.00	5,034.39	4,683.56	4,623.34	82.15	20.23	-131.47	-2,258.71	609.88	2,987.51	2,923.40	64.11	46.602		
7,100.00	5,095.75	4,779.66	4,717.88	83.60	20.69	-132.80	-2,262.12	626.79	3,063.21	2,998.13	65.08	47.068		
7,200.00	5,157.10	4,819.13	4,756.69	85.05	20.88	-133.31	-2,263.68	633.79	3,139.23	3,073.87	65.35	48.034		
7,300.00	5,218.46	4,858.13	4,795.01	86.51	21.06	-133.81	-2,265.13	640.92	3,215.85	3,150.23	65.63	49.002		
7,400.00	5,279.81	4,931.04	4,866.64	87.96	21.41	-134.71	-2,267.78	654.25	3,292.76	3,226.42	66.34	49.634		
7,500.00	5,341.17	4,998.64	4,933.13	89.41	21.73	-135.50	-2,270.21	666.22	3,369.68	3,302.69	66.98	50.306		
7,600.00	5,402.52	5,068.26	5,001.70	90.87	22.06	-136.30	-2,272.41	678.07	3,446.67	3,379.03	67.65	50.952		
7,700.00	5,463.88	5,161.75	5,093.94	92.32	22.48	-137.34	-2,275.13	693.02	3,523.56	3,454.97	68.58	51.378		
7,800.00	5,525.23	5,304.58	5,235.46	93.77	23.09	-138.89	-2,278.76	711.89	3,599.45	3,529.43	70.02	51.410		
7,900.00	5,586.59	5,413.51	5,343.80	95.23	23.52	-140.04	-2,280.83	723.13	3,674.60	3,603.60	71.00	51.758		
8,000.00	5,647.94	5,518.46	5,448.39	96.68	23.91	-141.12	-2,282.22	731.63	3,749.22	3,677.34	71.88	52.158		
8,100.00	5,709.30	5,624.33	5,554.06	98.13	24.28	-142.20	-2,282.99	737.92	3,823.36	3,750.63	72.73	52.573		
8,200.00	5,770.65	5,674.86	5,604.53	99.59	24.45	-142.70	-2,283.20	740.54	3,897.51	3,824.45	73.06	53.344		
8,300.00	5,832.01	5,743.20	5,672.79	101.04	24.68	-143.36	-2,283.22	743.79	3,971.88	3,898.32	73.55	53.999		
8,400.00	5,893.36	5,835.99	5,865.51	102.49	25.25	-145.24	-2,280.58	746.35	4,045.95	3,971.01	74.93	53.994		
8,500.00	5,954.72	6,050.32	5,979.83	103.95	25.55	-146.28	-2,280.58	745.00	4,118.10	4,042.43	75.67	54.423		
8,600.00	6,016.07	6,109.46	6,038.97	105.40	25.71	-146.80	-2,280.84	744.21	4,190.32	4,114.29	76.03	55.115		
8,700.00	6,077.43	6,171.32	6,100.82	106.86	25.87	-147.33	-2,281.09	743.38	4,262.77	4,186.36	76.41	55.787		
8,800.00	6,138.78	6,239.26	6,168.75	108.31	26.05	-147.90	-2,281.38	742.44	4,335.38	4,258.54	76.84	56.420		
8,900.00	6,200.13	6,299.64	6,229.12	109.76	26.21	-148.39	-2,281.70	741.58	4,408.15	4,330.92	77.22	57.082		
9,000.00	6,261.49	6,357.00	6,286.48	111.22	26.36	-148.84	-2,282.03	740.90	4,481.17	4,403.58	77.59	57.752		
9,100.00	6,322.84	6,419.76	6,349.23	112.67	26.53	-149.32	-2,282.38	740.18	4,554.41	4,476.40	78.01	58.386		
9,200.00	6,384.20	6,480.03	6,409.50	114.13	26.69	-149.77	-2,282.66	739.40	4,627.79	4,549.39	78.40	59.026		
9,300.00	6,445.55	6,536.61	6,466.07	115.58	26.84	-150.18	-2,282.87	738.70	4,701.40	4,622.63	78.78	59.681		
9,400.00	6,506.91	6,593.14	6,522.59	117.03	27.00	-150.58	-2,283.04	738.06	4,775.24	4,696.08	79.15	60.330		
9,500.00	6,568.26	6,651.26	6,580.71	118.49	27.16	-150.98	-2,283.17	737.44	4,849.29	4,769.74	79.55	60.962		
9,600.00	6,629.62	6,716.07	6,645.52	119.94	27.34	-151.42	-2,283.29	736.72	4,923.47	4,843.48	79.99	61.549		
9,700.00	6,690.97	6,772.78	6,702.23	121.40	27.49	-151.80	-2,283.34	736.03	4,997.80	4,917.42	80.38	62.176		
9,800.00	6,752.33	6,827.04	6,756.48	122.85	27.64	-152.15	-2,283.29	735.38	5,072.34	4,991.59	80.75	62.812		
9,900.00	6,813.68	6,894.25	6,823.68	124.31	27.83	-152.57	-2,283.21	734.57	5,147.02	5,065.79	81.23	63.363		
10,000.00	6,875.04	6,969.68	6,899.11	125.76	28.04	-153.04	-2,283.26	733.63	5,221.72	5,139.95	81.77	63.855		
10,100.00	6,936.39	7,041.61	6,971.04	127.22	28.24	-153.46	-2,283.54	732.69	5,296.35	5,214.05	82.30	64.354		
10,200.00	6,997.75	7,103.48	7,032.90	128.67	28.41	-153.82	-2,283.82	731.87	5,371.06	5,288.31	82.75	64.906		
10,300.00	7,059.10	7,187.44	7,116.85	130.13	28.65	-154.29	-2,284.19	730.51	5,445.75	5,362.38	83.38	65.316		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 93-MWVD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,400.00	7,118.86	7,258.09	7,187.48	131.62	28.85	-169.74	-2,284.52	729.04	5,523.02	5,439.11	83.92	65.815	
10,500.00	7,173.55	7,321.70	7,251.08	133.17	29.02	170.97	-2,284.88	727.65	5,605.57	5,521.13	84.44	66.387	
10,600.00	7,221.49	7,378.67	7,308.03	134.72	29.18	150.41	-2,285.25	726.35	5,690.94	5,606.03	84.92	67.018	
10,700.00	7,261.21	7,417.63	7,346.98	136.22	29.29	130.69	-2,285.53	725.46	5,776.71	5,691.46	85.25	67.760	
10,800.00	7,291.51	7,446.09	7,375.43	137.61	29.37	114.21	-2,285.74	724.84	5,860.53	5,775.03	85.50	68.541	
10,900.00	7,311.47	7,465.40	7,394.74	138.86	29.43	101.90	-2,285.88	724.45	5,940.15	5,854.46	85.69	69.320	
11,000.00	7,320.48	7,481.00	7,410.33	139.92	29.47	93.47	-2,286.00	724.14	6,013.46	5,927.58	85.88	70.020	
11,100.00	7,321.00	7,481.00	7,410.33	140.82	29.47	91.51	-2,286.00	724.14	6,080.98	5,994.98	86.00	70.708	
11,200.00	7,321.00	7,481.00	7,410.33	141.74	29.47	91.51	-2,286.00	724.14	6,148.96	6,062.81	86.15	71.377	
11,300.00	7,321.00	7,481.00	7,410.33	142.69	29.47	91.51	-2,286.00	724.14	6,217.81	6,131.49	86.31	72.036	
11,400.00	7,321.00	7,481.00	7,410.33	143.67	29.47	91.51	-2,286.00	724.14	6,287.49	6,200.99	86.50	72.688	
11,500.00	7,321.00	7,481.00	7,410.33	144.68	29.47	91.51	-2,286.00	724.14	6,357.98	6,271.28	86.70	73.332	
11,600.00	7,321.00	7,485.84	7,415.17	145.73	29.49	91.57	-2,286.03	724.04	6,429.25	6,342.29	86.95	73.938	
11,700.00	7,321.00	7,487.58	7,416.91	146.80	29.49	91.60	-2,286.05	724.01	6,501.28	6,414.08	87.20	74.558	
11,800.00	7,321.00	7,489.31	7,418.64	147.91	29.50	91.62	-2,286.06	723.97	6,574.03	6,486.58	87.45	75.172	
11,900.00	7,321.00	7,491.03	7,420.36	149.05	29.50	91.64	-2,286.07	723.94	6,647.50	6,559.78	87.72	75.782	
12,000.00	7,321.00	7,492.75	7,422.08	150.22	29.51	91.66	-2,286.08	723.91	6,721.65	6,633.66	87.99	76.387	
12,100.00	7,321.00	7,494.46	7,423.79	151.42	29.51	91.68	-2,286.10	723.88	6,796.47	6,708.19	88.28	76.989	
12,200.00	7,321.00	7,496.16	7,425.49	152.66	29.52	91.71	-2,286.11	723.84	6,871.92	6,783.35	88.57	77.588	
12,300.00	7,321.00	7,497.86	7,427.18	153.93	29.52	91.73	-2,286.12	723.81	6,947.99	6,859.12	88.87	78.184	
12,400.00	7,321.00	7,499.54	7,428.87	155.22	29.53	91.75	-2,286.14	723.78	7,024.66	6,935.49	89.17	78.778	
12,500.00	7,321.00	7,501.23	7,430.55	156.55	29.53	91.77	-2,286.15	723.75	7,101.92	7,012.44	89.48	79.371	
12,600.00	7,321.00	7,502.90	7,432.23	157.91	29.54	91.79	-2,286.16	723.71	7,179.73	7,089.94	89.79	79.962	
12,700.00	7,321.00	7,504.57	7,433.90	159.31	29.54	91.81	-2,286.17	723.68	7,258.09	7,167.98	90.10	80.552	
12,800.00	7,321.00	7,506.23	7,435.56	160.73	29.55	91.83	-2,286.18	723.65	7,336.97	7,246.55	90.42	81.142	
12,900.00	7,321.00	7,507.89	7,437.21	162.18	29.55	91.86	-2,286.20	723.62	7,416.36	7,325.62	90.74	81.732	
13,000.00	7,321.00	7,509.54	7,438.86	163.67	29.55	91.88	-2,286.21	723.59	7,496.24	7,405.18	91.06	82.322	
13,100.00	7,321.00	7,511.18	7,440.51	165.18	29.56	91.90	-2,286.22	723.56	7,576.60	7,485.22	91.38	82.912	
13,200.00	7,321.00	7,512.82	7,442.14	166.73	29.56	91.92	-2,286.23	723.53	7,657.43	7,565.72	91.70	83.502	
13,300.00	7,321.00	7,514.45	7,443.77	168.30	29.57	91.94	-2,286.25	723.49	7,738.70	7,646.67	92.03	84.093	
13,400.00	7,321.00	7,516.07	7,445.39	169.90	29.57	91.96	-2,286.26	723.46	7,820.40	7,728.06	92.35	84.686	
13,500.00	7,321.00	7,517.69	7,447.01	171.53	29.58	91.98	-2,286.27	723.43	7,902.53	7,809.86	92.67	85.279	
13,600.00	7,321.00	7,519.30	7,448.62	173.19	29.58	92.00	-2,286.28	723.40	7,985.06	7,892.07	92.99	85.873	
13,700.00	7,321.00	7,520.90	7,450.22	174.88	29.59	92.02	-2,286.29	723.37	8,067.99	7,974.68	93.31	86.469	
13,800.00	7,321.00	7,522.50	7,451.82	176.59	29.59	92.04	-2,286.30	723.34	8,151.30	8,057.67	93.62	87.066	
13,900.00	7,321.00	7,524.09	7,453.41	178.33	29.60	92.06	-2,286.32	723.31	8,234.98	8,141.04	93.94	87.665	
14,000.00	7,321.00	7,525.68	7,455.00	180.09	29.60	92.08	-2,286.33	723.29	8,319.02	8,224.77	94.25	88.265	
14,100.00	7,321.00	7,527.26	7,456.58	181.88	29.61	92.10	-2,286.34	723.26	8,403.41	8,308.85	94.56	88.867	
14,200.00	7,321.00	7,528.83	7,458.15	183.70	29.61	92.12	-2,286.35	723.23	8,488.14	8,393.27	94.87	89.470	
14,300.00	7,321.00	7,530.40	7,459.72	185.54	29.61	92.14	-2,286.36	723.20	8,573.19	8,478.02	95.18	90.076	
14,400.00	7,321.00	7,531.96	7,461.28	187.40	29.62	92.16	-2,286.37	723.17	8,658.57	8,563.09	95.48	90.683	
14,500.00	7,321.00	7,533.52	7,462.84	189.29	29.62	92.18	-2,286.39	723.14	8,744.26	8,648.47	95.78	91.292	
14,600.00	7,321.00	7,535.07	7,464.39	191.20	29.63	92.20	-2,286.40	723.11	8,830.24	8,734.16	96.08	91.902	
14,700.00	7,321.00	7,536.61	7,465.93	193.13	29.63	92.22	-2,286.41	723.08	8,916.52	8,820.14	96.38	92.515	
14,800.00	7,321.00	7,538.15	7,467.47	195.08	29.64	92.24	-2,286.42	723.06	9,003.09	8,906.41	96.67	93.129	
14,900.00	7,321.00	7,539.68	7,469.00	197.05	29.64	92.26	-2,286.43	723.03	9,089.92	8,992.96	96.96	93.746	
15,000.00	7,321.00	7,541.21	7,470.53	199.04	29.65	92.28	-2,286.44	723.00	9,177.03	9,079.78	97.25	94.364	
15,100.00	7,321.00	7,542.73	7,472.05	201.06	29.65	92.30	-2,286.45	722.97	9,264.40	9,166.86	97.54	94.984	
15,200.00	7,321.00	7,544.24	7,473.56	203.09	29.65	92.32	-2,286.46	722.94	9,352.01	9,254.20	97.82	95.606	
15,300.00	7,321.00	7,545.75	7,475.07	205.14	29.66	92.34	-2,286.48	722.92	9,439.88	9,341.78	98.10	96.229	
15,400.00	7,321.00	7,547.25	7,476.57	207.21	29.66	92.36	-2,286.49	722.89	9,527.98	9,429.61	98.37	96.855	
15,500.00	7,321.00	7,548.75	7,478.07	209.29	29.67	92.38	-2,286.50	722.86	9,616.32	9,517.67	98.65	97.482	

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 93-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	
15,600.00	7,321.00	7,550.24	7,479.56	211.39	29.67	92.40	-2,286.51	722.84	9,704.88	9,605.96	98.92	98.111	
15,700.00	7,321.00	7,551.73	7,481.05	213.51	29.68	92.41	-2,286.52	722.81	9,793.66	9,694.48	99.19	98.741	
15,800.00	7,321.00	7,560.00	7,489.31	215.65	29.70	92.52	-2,286.58	722.66	9,882.66	9,783.17	99.49	99.330	
15,900.00	7,321.00	7,560.00	7,489.31	217.80	29.70	92.52	-2,286.58	722.66	9,971.86	9,872.12	99.75	99.973	
16,000.00	7,321.00	7,560.00	7,489.31	219.96	29.70	92.52	-2,286.58	722.66	10,061.27	9,961.28	99.99	100.618	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	108.15	108.15	0.27	0.16	-165.38	-1,306.18	-340.61	1,349.99	1,349.57	0.42	3,199.529		
200.00	200.00	200.99	200.97	0.63	0.43	-165.41	-1,305.12	-339.66	1,348.65	1,347.59	1.06	1,272.023		
300.00	299.98	292.38	292.36	0.97	0.75	-8.64	-1,304.47	-340.30	1,346.40	1,344.68	1.73	779.934		
400.00	399.84	395.65	395.62	1.32	1.12	-8.62	-1,303.75	-341.93	1,340.96	1,338.52	2.44	549.714		
500.00	499.45	492.35	492.29	1.68	1.46	-8.61	-1,302.79	-343.81	1,331.88	1,328.74	3.14	424.074		
600.00	598.70	576.88	576.81	2.07	1.76	-8.67	-1,302.69	-344.85	1,320.03	1,316.23	3.79	347.891		
700.00	697.47	674.17	674.08	2.48	2.09	-8.88	-1,304.06	-343.75	1,305.64	1,301.15	4.49	290.648		
800.00	795.62	785.22	785.12	2.93	2.47	-9.17	-1,305.10	-341.98	1,287.29	1,282.05	5.25	245.337		
900.00	893.06	886.51	886.39	3.41	2.82	-9.50	-1,305.33	-340.14	1,264.86	1,258.88	5.98	211.618		
1,000.00	989.64	962.59	962.46	3.93	3.09	-9.76	-1,305.73	-339.89	1,239.75	1,233.12	6.62	187.161		
1,100.00	1,085.27	1,049.81	1,049.64	4.50	3.39	-9.97	-1,306.81	-342.24	1,212.66	1,205.35	7.32	165.726		
1,200.00	1,179.82	1,136.95	1,136.68	5.11	3.70	-10.16	-1,307.93	-346.09	1,182.75	1,174.73	8.02	147.484		
1,300.00	1,273.17	1,219.92	1,219.41	5.77	3.99	-10.25	-1,309.15	-352.28	1,150.42	1,141.70	8.72	131.956		
1,400.00	1,365.21	1,300.22	1,299.36	6.48	4.28	-10.32	-1,310.89	-359.63	1,115.88	1,106.46	9.42	118.465		
1,500.00	1,455.84	1,367.00	1,365.74	7.23	4.53	-10.40	-1,313.00	-366.53	1,079.44	1,069.35	10.09	107.025		
1,600.00	1,544.94	1,443.13	1,441.20	8.04	4.82	-10.43	-1,316.59	-375.90	1,041.61	1,030.81	10.80	96.450		
1,700.00	1,632.39	1,521.84	1,518.84	8.90	5.12	-10.36	-1,321.51	-387.90	1,002.54	991.01	11.54	86.910		
1,800.00	1,718.11	1,613.13	1,608.67	9.81	5.50	-10.21	-1,327.29	-403.07	960.77	948.44	12.33	77.909		
1,900.00	1,801.97	1,690.92	1,685.20	10.77	5.82	-10.12	-1,332.31	-416.09	916.11	903.02	13.09	69.967		
2,000.00	1,883.88	1,762.00	1,754.53	11.78	6.13	-9.91	-1,338.39	-430.49	870.86	857.01	13.84	62.903		
2,100.00	1,963.74	1,824.98	1,815.31	12.84	6.43	-9.57	-1,344.65	-445.74	824.72	810.13	14.59	56.527		
2,200.00	2,041.45	1,902.10	1,888.96	13.95	6.82	-8.85	-1,352.39	-467.28	776.95	761.55	15.40	50.458		
2,300.00	2,116.92	1,975.14	1,957.90	15.10	7.22	-7.86	-1,359.80	-490.20	727.51	711.30	16.20	44.900		
2,400.00	2,190.05	2,049.00	2,026.73	16.31	7.65	-6.55	-1,368.52	-515.51	677.54	660.52	17.02	39.809		
2,500.00	2,260.76	2,108.63	2,081.64	17.56	8.03	-5.26	-1,376.63	-537.30	627.19	609.40	17.79	35.254		
2,600.00	2,328.95	2,176.57	2,143.45	18.85	8.49	-3.40	-1,386.89	-563.55	576.67	558.08	18.59	31.014		
2,700.00	2,394.55	2,239.00	2,199.31	20.19	8.94	-1.22	-1,397.13	-589.48	526.42	507.06	19.36	27.192		
2,800.00	2,457.48	2,311.74	2,263.38	21.57	9.51	1.96	-1,410.36	-621.28	476.81	456.59	20.21	23.588		
2,900.00	2,518.85	2,391.84	2,333.35	22.98	10.17	6.14	-1,426.46	-656.80	429.06	407.86	21.20	20.242		
3,000.00	2,580.20	2,470.98	2,402.83	24.39	10.84	10.91	-1,442.80	-690.98	383.62	361.28	22.33	17.176		
3,100.00	2,641.56	2,548.49	2,470.02	25.81	11.51	16.67	-1,459.23	-725.96	343.21	319.44	23.78	14.436		
3,200.00	2,702.91	2,634.60	2,544.86	27.23	12.29	24.21	-1,477.67	-764.34	307.58	281.63	25.95	11.853		
3,300.00	2,764.27	2,713.40	2,613.11	28.65	13.02	32.76	-1,492.45	-800.82	279.04	250.17	28.87	9.667		
3,400.00	2,825.62	2,793.41	2,682.02	30.08	13.78	42.89	-1,505.61	-839.29	261.62	228.76	32.86	7.962		
3,481.41	2,875.57	2,859.10	2,738.64	31.25	14.42	51.66	-1,516.39	-870.79	257.09	220.47	36.62	7.021 CC		
3,500.00	2,886.98	2,874.21	2,751.68	31.51	14.56	53.69	-1,518.91	-878.00	257.32	219.83	37.50	6.863 ES		
3,600.00	2,948.33	2,959.74	2,825.77	32.95	15.38	64.89	-1,533.45	-918.18	266.08	223.86	42.22	6.302		
3,700.00	3,009.68	3,039.74	2,895.84	34.38	16.15	74.70	-1,547.09	-954.30	285.76	239.89	45.87	6.229 SF		
3,800.00	3,071.04	3,114.86	2,960.93	35.82	16.87	82.80	-1,559.69	-989.62	317.19	268.86	48.33	6.563		
3,900.00	3,132.39	3,201.80	3,036.60	37.25	17.73	90.81	-1,574.43	-1,029.80	355.41	304.71	50.71	7.009		
4,000.00	3,193.75	3,281.10	3,104.69	38.69	18.53	96.56	-1,589.73	-1,067.44	398.45	346.13	52.32	7.615		
4,100.00	3,255.10	3,379.19	3,188.39	40.13	19.53	102.15	-1,610.88	-1,113.97	443.50	388.93	54.57	8.127		
4,200.00	3,316.46	3,449.34	3,249.24	41.58	20.23	105.72	-1,625.38	-1,145.72	490.29	434.81	55.48	8.837		
4,300.00	3,377.81	3,534.20	3,323.00	43.02	21.06	109.45	-1,641.18	-1,184.57	540.64	483.74	56.89	9.502		
4,400.00	3,439.17	3,609.73	3,389.82	44.46	21.79	112.51	-1,655.17	-1,216.89	591.33	533.46	57.87	10.218		
4,500.00	3,500.52	3,671.00	3,443.60	45.91	22.37	114.62	-1,664.93	-1,244.56	645.96	587.60	58.35	11.070		
4,600.00	3,561.88	3,746.81	3,510.29	47.35	23.10	116.95	-1,675.68	-1,278.97	702.98	643.58	59.40	11.834		
4,700.00	3,623.23	3,827.06	3,581.44	48.80	23.87	119.17	-1,686.94	-1,314.35	760.49	699.88	60.61	12.548		
4,800.00	3,684.59	3,896.79	3,642.35	50.24	24.56	120.70	-1,697.30	-1,346.65	818.77	757.21	61.56	13.300		
4,900.00	3,745.94	3,958.00	3,694.93	51.69	25.20	121.76	-1,705.82	-1,376.79	878.94	816.62	62.32	14.103		
5,000.00	3,807.30	4,036.97	3,762.09	53.14	26.05	122.88	-1,716.52	-1,416.94	940.12	876.28	63.84	14.726		
5,100.00	3,868.65	4,127.48	3,838.92	54.58	27.03	123.97	-1,729.43	-1,463.02	1,000.98	935.19	65.79	15.215		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	3,930.01	4,214.30	3,912.60	56.03	27.97	124.89	-1,742.79	-1,506.95	1,061.07	993.46	67.61	15.694		
5,300.00	3,991.36	4,301.82	3,986.91	57.48	28.92	125.71	-1,756.79	-1,551.02	1,120.78	1,051.33	69.45	16.139		
5,400.00	4,052.72	4,391.79	4,064.37	58.93	29.85	126.58	-1,771.38	-1,594.38	1,179.95	1,108.68	71.27	16.557		
5,500.00	4,114.07	4,477.47	4,139.98	60.38	30.70	127.54	-1,784.98	-1,632.31	1,238.64	1,165.83	72.81	17.011		
5,600.00	4,175.43	4,555.05	4,208.51	61.83	31.46	128.35	-1,797.40	-1,666.46	1,297.37	1,223.24	74.13	17.501		
5,700.00	4,236.78	4,626.00	4,270.03	63.28	32.18	128.90	-1,808.94	-1,699.88	1,356.68	1,281.31	75.37	18.000		
5,800.00	4,298.14	4,709.46	4,342.11	64.73	33.04	129.46	-1,822.48	-1,739.71	1,416.23	1,339.22	77.01	18.390		
5,900.00	4,359.49	4,789.55	4,411.58	66.18	33.88	129.99	-1,835.51	-1,777.36	1,475.69	1,397.14	78.55	18.787		
6,000.00	4,420.85	4,891.69	4,499.29	67.63	34.95	130.52	-1,852.99	-1,826.69	1,534.84	1,454.10	80.74	19.009		
6,100.00	4,482.20	5,032.15	4,620.97	69.08	36.40	131.30	-1,880.21	-1,891.33	1,591.86	1,508.03	83.83	18.990		
6,200.00	4,543.55	5,128.00	4,703.61	70.53	37.39	131.76	-1,901.53	-1,934.96	1,646.41	1,560.67	85.74	19.203		
6,300.00	4,604.91	5,198.25	4,763.61	71.98	38.14	132.03	-1,917.37	-1,967.88	1,701.13	1,614.05	87.08	19.536		
6,400.00	4,666.26	5,270.43	4,824.86	73.44	38.92	132.26	-1,932.80	-2,002.81	1,757.02	1,668.52	88.50	19.854		
6,500.00	4,727.62	5,365.15	4,906.06	74.89	39.92	132.60	-1,952.87	-2,047.27	1,812.88	1,722.43	90.44	20.044		
6,600.00	4,788.97	5,414.00	4,948.25	76.34	40.43	132.80	-1,963.48	-2,069.49	1,868.51	1,777.29	91.22	20.484		
6,700.00	4,850.33	5,469.65	4,996.42	77.79	41.01	133.01	-1,974.71	-2,095.00	1,925.39	1,833.23	92.15	20.894		
6,800.00	4,911.68	5,510.00	5,031.30	79.24	41.42	133.15	-1,981.61	-2,114.05	1,984.51	1,891.82	92.69	21.410		
6,900.00	4,973.04	5,594.74	5,105.67	80.70	42.26	133.50	-1,995.02	-2,152.37	2,044.54	1,950.24	94.30	21.680		
7,000.00	5,034.39	5,683.30	5,184.78	82.15	43.09	133.95	-2,009.18	-2,189.56	2,104.03	2,008.13	95.90	21.940		
7,100.00	5,095.75	5,800.70	5,288.70	83.60	44.22	134.44	-2,029.33	-2,240.31	2,162.85	2,064.63	98.22	22.021		
7,200.00	5,157.10	5,877.88	5,355.73	85.05	45.02	134.67	-2,043.60	-2,275.81	2,220.99	2,121.28	99.71	22.276		
7,300.00	5,218.46	6,024.94	5,480.64	86.51	46.61	134.90	-2,073.27	-2,347.49	2,278.23	2,175.19	103.04	22.109		
7,400.00	5,279.81	6,083.00	5,530.54	87.96	47.24	135.04	-2,086.05	-2,374.28	2,333.84	2,229.71	104.12	22.414		
7,500.00	5,341.17	6,145.98	5,585.12	89.41	47.89	135.20	-2,099.23	-2,402.78	2,390.17	2,284.89	105.27	22.704		
7,600.00	5,402.52	6,179.00	5,613.65	90.87	48.23	135.27	-2,105.43	-2,418.21	2,448.32	2,342.61	105.71	23.160		
7,700.00	5,463.88	6,230.27	5,657.57	92.32	48.79	135.35	-2,114.38	-2,443.10	2,507.73	2,401.09	106.64	23.516		
7,800.00	5,525.23	6,281.26	5,700.61	93.77	49.35	135.39	-2,122.70	-2,469.14	2,568.23	2,460.65	107.58	23.872		
7,900.00	5,586.59	6,370.00	5,776.43	95.23	50.32	135.51	-2,137.51	-2,512.78	2,628.20	2,518.70	109.50	24.002		
8,000.00	5,647.94	6,431.97	5,830.42	96.68	50.95	135.65	-2,147.52	-2,541.51	2,688.52	2,577.90	110.62	24.304		
8,100.00	5,709.30	6,465.00	5,859.39	98.13	51.28	135.73	-2,152.22	-2,556.65	2,750.24	2,639.23	111.01	24.775		
8,200.00	5,770.65	6,530.22	5,916.73	99.59	51.93	135.88	-2,160.82	-2,586.53	2,812.72	2,700.53	112.19	25.070		
8,300.00	5,832.01	6,622.48	5,997.61	101.04	52.86	136.08	-2,172.63	-2,629.30	2,875.60	2,761.52	114.08	25.208		
8,400.00	5,893.36	6,836.70	6,181.42	102.49	55.15	136.33	-2,207.80	-2,733.44	2,935.25	2,816.12	119.14	24.637		
8,500.00	5,954.72	6,915.57	6,250.37	103.95	55.95	136.49	-2,221.88	-2,769.04	2,993.99	2,873.33	120.66	24.814		
8,600.00	6,016.07	7,000.06	6,324.93	105.40	56.78	136.68	-2,236.74	-2,805.90	3,052.79	2,930.54	122.25	24.971		
8,700.00	6,077.43	7,081.24	6,396.65	106.86	57.57	136.86	-2,251.14	-2,841.09	3,111.46	2,987.70	123.76	25.142		
8,800.00	6,138.78	7,151.68	6,459.25	108.31	58.24	137.03	-2,263.44	-2,870.97	3,170.29	3,045.27	125.01	25.360		
8,900.00	6,200.13	7,211.80	6,512.24	109.76	58.84	137.15	-2,273.75	-2,897.42	3,229.55	3,103.47	126.08	25.616		
9,000.00	6,261.49	7,289.60	6,580.22	111.22	59.62	137.27	-2,286.89	-2,932.90	3,289.17	3,161.59	127.58	25.781		
9,100.00	6,322.84	7,390.36	6,668.59	112.67	60.63	137.44	-2,304.12	-2,978.13	3,348.59	3,218.99	129.60	25.839		
9,200.00	6,384.20	7,542.55	6,799.05	114.13	62.26	137.56	-2,332.92	-3,050.92	3,406.75	3,273.81	132.95	25.625		
9,300.00	6,445.55	7,628.03	6,870.71	115.58	63.22	137.56	-2,350.26	-3,094.16	3,464.09	3,329.26	134.83	25.692		
9,400.00	6,506.91	7,707.00	6,938.74	117.03	64.07	137.64	-2,365.92	-3,131.06	3,521.46	3,385.02	136.44	25.810		
9,500.00	6,568.26	7,821.92	7,038.39	118.49	65.26	137.77	-2,389.28	-3,183.28	3,578.24	3,439.45	138.79	25.782		
9,600.00	6,629.62	7,842.00	7,055.24	119.94	65.48	137.78	-2,393.49	-3,193.36	3,635.44	3,496.35	139.09	26.138		
9,700.00	6,690.97	7,883.54	7,089.00	121.40	66.02	137.74	-2,401.81	-3,216.07	3,693.62	3,553.60	140.01	26.380		
9,800.00	6,752.33	7,937.00	7,130.03	122.85	66.72	137.61	-2,411.31	-3,248.97	3,753.50	3,612.17	141.34	26.557		
9,900.00	6,813.68	7,937.00	7,130.03	124.31	66.72	137.61	-2,411.31	-3,248.97	3,813.86	3,672.79	141.07	27.035		
10,000.00	6,875.04	7,971.12	7,154.55	125.76	67.26	137.48	-2,416.87	-3,272.02	3,875.60	3,733.65	141.94	27.304		
10,100.00	6,936.39	8,033.00	7,195.16	127.22	68.25	137.15	-2,426.67	-3,317.63	3,938.18	3,794.34	143.84	27.379		
10,200.00	6,997.75	8,033.00	7,195.16	128.67	68.25	137.15	-2,426.67	-3,317.63	4,001.44	3,857.94	143.50	27.885		
10,300.00	7,059.10	8,033.00	7,195.16	130.13	68.25	137.15	-2,426.67	-3,317.63	4,066.18	3,923.06	143.12	28.411		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	7,118.86	8,033.00	7,195.16	131.62	68.25	124.69	-2,426.67	-3,317.63	4,129.68	3,987.02	142.67	28.947		
10,500.00	7,173.55	8,083.26	7,224.28	133.17	69.17	113.11	-2,433.25	-3,358.03	4,185.32	4,041.16	144.16	29.032		
10,600.00	7,221.49	8,128.00	7,247.14	134.72	69.98	104.24	-2,437.10	-3,396.28	4,234.17	4,088.79	145.38	29.124		
10,700.00	7,261.21	8,128.00	7,247.14	136.22	69.98	97.69	-2,437.10	-3,396.28	4,272.73	4,128.10	144.63	29.542		
10,800.00	7,291.51	8,128.00	7,247.14	137.61	69.98	93.14	-2,437.10	-3,396.28	4,301.37	4,157.55	143.82	29.908		
10,900.00	7,311.47	8,183.48	7,270.88	138.86	71.09	90.57	-2,440.33	-3,446.29	4,318.64	4,173.08	145.55	29.671		
11,000.00	7,320.48	8,232.99	7,287.35	139.92	72.09	89.69	-2,442.64	-3,492.91	4,324.00	4,176.93	147.07	29.401		
11,100.00	7,321.00	8,350.36	7,312.22	140.82	74.58	90.03	-2,448.18	-3,607.33	4,319.56	4,167.54	152.02	28.414		
11,200.00	7,321.00	8,415.00	7,316.22	141.74	75.98	90.08	-2,451.45	-3,671.73	4,314.50	4,160.06	154.44	27.937		
11,300.00	7,321.00	8,462.85	7,316.35	142.69	77.01	90.08	-2,453.39	-3,719.53	4,310.51	4,154.47	156.05	27.623		
11,400.00	7,321.00	8,510.00	7,316.45	143.67	78.03	90.09	-2,454.32	-3,766.68	4,308.16	4,150.51	157.64	27.328		
11,483.63	7,321.00	8,510.00	7,316.45	144.51	78.03	90.09	-2,454.32	-3,766.68	4,307.35	4,150.33	157.02	27.432		
11,500.00	7,321.00	8,510.00	7,316.45	144.68	78.03	90.09	-2,454.32	-3,766.68	4,307.38	4,150.49	156.89	27.455		
11,600.00	7,321.00	8,574.25	7,317.12	145.73	79.43	90.09	-2,454.18	-3,830.92	4,307.70	4,148.30	159.40	27.025		
11,700.00	7,321.00	8,640.43	7,318.77	146.80	80.88	90.12	-2,452.76	-3,897.06	4,309.55	4,147.51	162.04	26.595		
11,800.00	7,321.00	8,772.50	7,323.34	147.91	83.81	90.18	-2,450.60	-4,029.03	4,310.98	4,142.82	168.16	25.636		
11,900.00	7,321.00	8,876.49	7,329.11	149.05	86.16	90.25	-2,449.21	-4,132.85	4,312.18	4,139.29	172.90	24.941		
12,000.00	7,321.00	8,949.39	7,332.10	150.22	87.82	90.29	-2,448.08	-4,205.68	4,313.61	4,137.57	176.04	24.503		
12,100.00	7,321.00	9,034.88	7,332.36	151.42	89.78	90.30	-2,446.15	-4,291.14	4,315.69	4,135.82	179.87	23.994		
12,200.00	7,321.00	9,409.52	7,330.46	152.66	98.59	90.27	-2,451.12	-4,665.63	4,312.98	4,114.15	198.83	21.692		
12,300.00	7,321.00	9,493.15	7,331.53	153.93	100.61	90.29	-2,454.38	-4,749.19	4,308.92	4,106.21	202.71	21.257		
12,400.00	7,321.00	9,646.41	7,333.08	155.22	104.33	90.31	-2,460.97	-4,902.28	4,304.47	4,094.24	210.22	20.476		
12,500.00	7,321.00	9,719.33	7,333.91	156.55	106.11	90.32	-2,464.88	-4,975.10	4,299.14	4,085.53	213.61	20.126		
12,600.00	7,321.00	9,767.41	7,333.61	157.91	107.29	90.32	-2,466.58	-5,023.14	4,295.36	4,079.64	215.72	19.912		
12,700.00	7,321.00	9,847.00	7,334.42	159.31	109.24	90.33	-2,468.89	-5,102.69	4,292.31	4,072.82	219.49	19.556		
12,800.00	7,321.00	9,883.09	7,335.12	160.73	110.13	90.34	-2,469.58	-5,138.77	4,290.25	4,069.28	220.97	19.415		
12,900.00	7,321.00	9,968.16	7,335.28	162.18	112.23	90.34	-2,469.69	-5,223.84	4,289.84	4,064.78	225.06	19.061		
13,000.00	7,321.00	10,088.71	7,335.15	163.67	115.21	90.34	-2,471.32	-5,344.36	4,288.25	4,057.18	231.07	18.558		
13,100.00	7,321.00	10,189.08	7,336.04	165.18	117.71	90.35	-2,472.25	-5,444.72	4,287.17	4,051.14	236.04	18.163		
13,200.00	7,321.00	10,229.00	7,336.55	166.73	118.70	90.35	-2,472.76	-5,484.63	4,286.16	4,048.39	237.76	18.027		
13,241.58	7,321.00	10,269.05	7,337.23	167.38	119.70	90.36	-2,473.30	-5,524.67	4,285.55	4,045.80	239.75	17.875		
13,300.00	7,321.00	10,282.88	7,337.40	168.30	120.05	90.37	-2,473.21	-5,538.50	4,285.86	4,045.62	240.23	17.840		
13,400.00	7,321.00	10,324.00	7,337.70	169.90	121.07	90.37	-2,472.08	-5,579.60	4,287.94	4,045.95	241.99	17.719		
13,500.00	7,321.00	10,481.19	7,339.71	171.53	125.01	90.40	-2,467.77	-5,736.71	4,291.00	4,040.83	250.17	17.152		
13,600.00	7,321.00	10,619.94	7,340.38	173.19	128.50	90.41	-2,466.96	-5,875.45	4,291.34	4,034.02	257.32	16.677		
13,700.00	7,321.00	10,735.82	7,339.34	174.88	131.44	90.39	-2,466.83	-5,991.32	4,291.28	4,028.05	263.23	16.302		
13,800.00	7,321.00	10,843.67	7,338.13	176.59	134.18	90.38	-2,466.88	-6,099.16	4,291.06	4,022.34	268.72	15.969		
13,900.00	7,321.00	11,040.37	7,339.89	178.33	139.21	90.40	-2,468.97	-6,295.85	4,290.12	4,011.12	279.01	15.376		
14,000.00	7,321.00	11,141.58	7,342.67	180.09	141.81	90.44	-2,471.98	-6,396.97	4,286.99	4,002.81	284.18	15.086		
14,100.00	7,321.00	11,208.00	7,344.48	181.88	143.52	90.46	-2,473.30	-6,463.35	4,284.82	3,997.32	287.50	14.904		
14,200.00	7,321.00	11,502.24	7,350.24	183.70	151.13	90.54	-2,484.67	-6,757.23	4,281.05	3,978.24	302.81	14.138		
14,300.00	7,321.00	11,567.00	7,350.66	185.54	152.81	90.55	-2,488.32	-6,821.89	4,275.18	3,969.06	306.13	13.965		
14,400.00	7,321.00	11,567.00	7,350.66	187.40	152.81	90.55	-2,488.32	-6,821.89	4,270.77	3,964.72	306.05	13.955		
14,500.00	7,321.00	11,612.89	7,349.46	189.29	153.99	90.53	-2,489.88	-6,867.73	4,267.71	3,959.40	308.31	13.842		
14,600.00	7,321.00	11,663.00	7,346.83	191.20	155.28	90.49	-2,489.88	-6,917.77	4,266.89	3,956.14	310.75	13.731		
14,634.00	7,321.00	11,663.00	7,346.83	191.85	155.28	90.49	-2,489.88	-6,917.77	4,266.75	3,956.10	310.65	13.735		
14,700.00	7,321.00	11,663.00	7,346.83	193.13	155.28	90.49	-2,489.88	-6,917.77	4,267.25	3,956.84	310.41	13.747		
14,800.00	7,321.00	11,706.30	7,344.18	195.08	156.40	90.46	-2,488.84	-6,960.97	4,269.45	3,957.06	312.38	13.667		
14,900.00	7,321.00	11,759.00	7,341.59	197.05	157.75	90.42	-2,486.80	-7,013.57	4,273.00	3,958.14	314.86	13.571		
15,000.00	7,321.00	11,759.00	7,341.59	199.04	157.75	90.42	-2,486.80	-7,013.57	4,278.13	3,963.88	314.25	13.614		
15,100.00	7,321.00	11,813.55	7,339.66	201.06	159.15	90.40	-2,483.47	-7,067.98	4,284.46	3,967.71	316.76	13.526		
15,200.00	7,321.00	12,042.84	7,343.12	203.09	165.07	90.44	-2,467.44	-7,296.59	4,292.59	3,963.02	329.57	13.025		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,300.00	7,321.00	12,805.00	7,356.94	205.14	185.02	90.63	-2,491.17	-8,056.71	4,289.92	3,920.58	369.34	11.615		
15,400.00	7,321.00	12,805.00	7,356.94	207.21	185.02	90.63	-2,491.17	-8,056.71	4,280.03	3,910.22	369.81	11.573		
15,500.00	7,321.00	12,805.00	7,356.94	209.29	185.02	90.63	-2,491.17	-8,056.71	4,272.47	3,902.34	370.12	11.543		
15,600.00	7,321.00	12,853.00	7,356.65	211.39	186.28	90.63	-2,494.40	-8,104.60	4,266.13	3,893.40	372.73	11.446		
15,700.00	7,321.00	12,901.00	7,355.85	213.51	187.54	90.62	-2,495.98	-8,152.57	4,262.08	3,886.80	375.29	11.357		
15,800.00	7,321.00	12,901.00	7,355.85	215.65	187.54	90.62	-2,495.98	-8,152.57	4,259.28	3,884.03	375.25	11.351		
15,900.00	7,321.00	12,997.00	7,353.90	217.80	190.07	90.59	-2,497.29	-8,248.54	4,257.73	3,877.45	380.28	11.196		
16,000.00	7,321.00	13,073.66	7,352.35	219.96	192.09	90.57	-2,498.04	-8,325.18	4,256.54	3,872.26	384.28	11.077		
16,060.38	7,321.00	13,092.00	7,351.94	221.28	192.57	90.56	-2,498.18	-8,343.51	4,256.16	3,871.00	385.16	11.050		
16,100.00	7,321.00	13,092.00	7,351.94	222.14	192.57	90.56	-2,498.18	-8,343.51	4,256.35	3,871.30	385.05	11.054		
16,200.00	7,321.00	13,149.43	7,350.45	224.34	194.09	90.54	-2,497.78	-8,400.92	4,257.25	3,869.33	387.92	10.974		
16,300.00	7,321.00	13,187.00	7,349.28	226.55	195.08	90.53	-2,496.63	-8,438.45	4,259.99	3,870.36	389.62	10.934		
16,400.00	7,321.00	13,377.00	7,344.10	228.77	200.08	90.46	-2,491.59	-8,628.31	4,262.57	3,862.54	400.02	10.656		
16,500.00	7,321.00	13,434.91	7,342.58	231.00	201.61	90.44	-2,490.63	-8,686.19	4,264.16	3,861.24	402.93	10.583		
16,600.00	7,321.00	13,473.00	7,341.37	233.25	202.61	90.42	-2,489.49	-8,724.24	4,267.09	3,862.43	404.65	10.545		
16,700.00	7,321.00	13,568.00	7,336.91	235.51	205.11	90.36	-2,485.75	-8,819.06	4,270.84	3,861.20	409.64	10.426		
16,800.00	7,321.00	13,767.49	7,323.18	237.78	210.36	90.18	-2,479.58	-9,017.97	4,273.96	3,853.40	420.56	10.163		
16,900.00	7,321.00	13,825.75	7,318.87	240.06	211.90	90.12	-2,478.23	-9,076.06	4,276.05	3,852.58	423.48	10.098		
17,000.00	7,321.00	13,994.93	7,306.06	242.35	216.36	89.95	-2,475.12	-9,244.72	4,277.70	3,845.10	432.60	9.888		
17,100.00	7,321.00	14,224.75	7,284.59	244.66	222.42	89.66	-2,475.46	-9,473.52	4,277.85	3,833.06	444.79	9.618		
17,200.00	7,321.00	14,349.92	7,274.58	246.97	225.73	89.53	-2,478.54	-9,598.25	4,275.23	3,823.88	451.35	9.472		
17,300.00	7,321.00	14,426.00	7,267.19	249.29	227.74	89.43	-2,480.20	-9,673.95	4,272.93	3,817.58	455.35	9.384		
17,400.00	7,321.00	14,536.44	7,254.74	251.63	230.64	89.26	-2,482.40	-9,783.66	4,270.91	3,809.80	461.11	9.262		
17,500.00	7,321.00	14,698.78	7,236.13	253.97	234.92	89.01	-2,487.57	-9,944.85	4,267.63	3,798.15	469.48	9.090		
17,600.00	7,321.00	14,782.16	7,225.21	256.32	237.11	88.86	-2,490.67	-10,027.45	4,263.98	3,790.14	473.84	8.999		
17,700.00	7,321.00	14,887.55	7,211.38	258.68	239.88	88.67	-2,494.28	-10,131.87	4,260.66	3,781.36	479.30	8.889		
17,800.00	7,321.00	14,999.72	7,196.74	261.05	242.82	88.47	-2,498.50	-10,242.99	4,257.02	3,771.93	485.09	8.776		
17,900.00	7,321.00	15,133.10	7,184.20	263.43	246.36	88.30	-2,503.60	-10,375.65	4,253.41	3,761.43	491.98	8.645		
18,000.00	7,321.00	15,190.00	7,180.55	265.81	247.87	88.25	-2,506.19	-10,432.37	4,249.11	3,754.02	495.09	8.583		
18,100.00	7,321.00	15,285.00	7,176.65	268.21	250.40	88.20	-2,509.48	-10,527.22	4,245.61	3,745.48	500.13	8.489		
18,200.00	7,321.00	15,286.36	7,176.60	270.61	250.44	88.20	-2,509.48	-10,528.58	4,243.39	3,743.13	500.26	8.482		
18,300.00	7,321.00	15,407.48	7,172.76	273.02	253.68	88.15	-2,511.02	-10,649.63	4,242.07	3,735.36	506.71	8.372		
18,400.00	7,321.00	15,512.50	7,169.34	275.43	256.48	88.10	-2,512.76	-10,754.57	4,240.34	3,728.05	512.29	8.277		
18,500.00	7,321.00	15,605.00	7,165.71	277.86	258.96	88.05	-2,514.21	-10,846.99	4,238.75	3,721.54	517.21	8.195		
18,563.84	7,321.00	15,605.00	7,165.71	279.41	258.96	88.05	-2,514.21	-10,846.99	4,238.27	3,721.12	517.15	8.195		
18,600.00	7,321.00	15,605.00	7,165.71	280.28	258.96	88.05	-2,514.21	-10,846.99	4,238.42	3,721.35	517.07	8.197		
18,700.00	7,321.00	15,605.00	7,165.71	282.72	258.96	88.05	-2,514.21	-10,846.99	4,240.45	3,723.80	516.65	8.208		
18,800.00	7,321.00	15,605.00	7,165.71	285.16	258.96	88.05	-2,514.21	-10,846.99	4,244.84	3,728.86	515.98	8.227		
18,900.00	7,321.00	15,605.00	7,165.71	287.61	258.96	88.05	-2,514.21	-10,846.99	4,251.58	3,736.53	515.04	8.255		
19,000.00	7,321.00	15,605.00	7,165.71	290.06	258.96	88.05	-2,514.21	-10,846.99	4,260.65	3,746.80	513.85	8.292		
19,100.00	7,321.00	15,605.00	7,165.71	292.52	258.96	88.05	-2,514.21	-10,846.99	4,272.05	3,759.64	512.41	8.337		
19,200.00	7,321.00	15,605.00	7,165.71	294.99	258.96	88.05	-2,514.21	-10,846.99	4,285.74	3,775.03	510.72	8.392		
19,300.00	7,321.00	15,605.00	7,165.71	297.46	258.96	88.05	-2,514.21	-10,846.99	4,301.72	3,792.94	508.79	8.455		
19,400.00	7,321.00	15,605.00	7,165.71	299.94	258.96	88.05	-2,514.21	-10,846.99	4,319.96	3,813.33	506.63	8.527		
19,500.00	7,321.00	15,605.00	7,165.71	302.42	258.96	88.05	-2,514.21	-10,846.99	4,340.43	3,836.17	504.26	8.608		
19,600.00	7,321.00	15,605.00	7,165.71	304.90	258.96	88.05	-2,514.21	-10,846.99	4,363.09	3,861.42	501.67	8.697		
19,700.00	7,321.00	15,605.00	7,165.71	307.40	258.96	88.05	-2,514.21	-10,846.99	4,387.91	3,889.03	498.89	8.795		
19,800.00	7,321.00	15,605.00	7,165.71	309.89	258.96	88.05	-2,514.21	-10,846.99	4,414.86	3,918.95	495.91	8.902		
19,900.00	7,321.00	15,605.00	7,165.71	312.39	258.96	88.05	-2,514.21	-10,846.99	4,443.90	3,951.13	492.77	9.018		
20,000.00	7,321.00	15,605.00	7,165.71	314.90	258.96	88.05	-2,514.21	-10,846.99	4,474.98	3,985.52	489.46	9.143		
20,100.00	7,321.00	15,605.00	7,165.71	317.41	258.96	88.05	-2,514.21	-10,846.99	4,508.07	4,022.07	486.00	9.276		
20,200.00	7,321.00	15,605.00	7,165.71	319.92	258.96	88.05	-2,514.21	-10,846.99	4,543.12	4,060.71	482.40	9.418		

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 MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
20,300.00	7,321.00	15,605.00	7,165.71	322.44	258.96	88.05	-2,514.21	-10,846.99	4,580.08	4,101.40	478.68	9.568	
20,400.00	7,321.00	15,605.00	7,165.71	324.96	258.96	88.05	-2,514.21	-10,846.99	4,618.92	4,144.07	474.85	9.727	
20,500.00	7,321.00	15,605.00	7,165.71	327.49	258.96	88.05	-2,514.21	-10,846.99	4,659.57	4,188.66	470.91	9.895	
20,600.00	7,321.00	15,605.00	7,165.71	330.02	258.96	88.05	-2,514.21	-10,846.99	4,702.01	4,235.12	466.88	10.071	
20,700.00	7,321.00	15,605.00	7,165.71	332.55	258.96	88.05	-2,514.21	-10,846.99	4,746.17	4,283.39	462.78	10.256	
20,800.00	7,321.00	15,605.00	7,165.71	335.09	258.96	88.05	-2,514.21	-10,846.99	4,792.01	4,333.40	458.61	10.449	
20,900.00	7,321.00	15,605.00	7,165.71	337.63	258.96	88.05	-2,514.21	-10,846.99	4,839.48	4,385.10	454.38	10.651	
21,000.00	7,321.00	15,605.00	7,165.71	340.17	258.96	88.05	-2,514.21	-10,846.99	4,888.54	4,438.43	450.11	10.861	
21,100.00	7,321.00	15,605.00	7,165.71	342.72	258.96	88.05	-2,514.21	-10,846.99	4,939.13	4,493.33	445.80	11.079	
21,200.00	7,321.00	15,605.00	7,165.71	345.27	258.96	88.05	-2,514.21	-10,846.99	4,991.22	4,549.75	441.47	11.306	
21,300.00	7,321.00	15,605.00	7,165.71	347.82	258.96	88.05	-2,514.21	-10,846.99	5,044.75	4,607.64	437.11	11.541	
21,400.00	7,321.00	15,605.00	7,165.71	350.38	258.96	88.05	-2,514.21	-10,846.99	5,099.68	4,666.93	432.75	11.784	
21,500.00	7,321.00	15,605.00	7,165.71	352.94	258.96	88.05	-2,514.21	-10,846.99	5,155.96	4,727.58	428.38	12.036	
21,600.00	7,321.00	15,605.00	7,165.71	355.50	258.96	88.05	-2,514.21	-10,846.99	5,213.56	4,789.54	424.02	12.296	
21,700.00	7,321.00	15,605.00	7,165.71	358.07	258.96	88.05	-2,514.21	-10,846.99	5,272.42	4,852.76	419.66	12.563	
21,746.26	7,321.00	15,605.00	7,165.71	359.25	258.96	88.05	-2,514.21	-10,846.99	5,300.07	4,882.41	417.66	12.690	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	141.94	141.89	0.27	0.25	-166.33	-1,324.77	-322.19	1,364.45	1,363.94	0.51	2,669.198	
200.00	200.00	225.00	224.91	0.63	0.53	-166.34	-1,322.38	-321.45	1,361.39	1,360.24	1.15	1,180.064	
300.00	299.98	300.11	300.02	0.97	0.79	-9.60	-1,321.31	-321.19	1,358.12	1,356.35	1.77	768.925	
400.00	399.84	382.64	382.55	1.32	1.08	-9.64	-1,321.02	-321.51	1,352.71	1,350.31	2.40	564.029	
500.00	499.45	470.23	470.12	1.68	1.38	-9.69	-1,321.68	-322.24	1,345.03	1,341.98	3.05	440.781	
600.00	598.70	562.30	562.19	2.07	1.69	-9.79	-1,323.00	-323.00	1,334.59	1,330.87	3.73	357.992	
700.00	697.47	674.90	674.76	2.48	2.09	-9.93	-1,324.57	-324.27	1,320.83	1,316.34	4.49	294.171	
800.00	795.62	788.13	787.99	2.93	2.48	-10.15	-1,324.64	-324.69	1,302.15	1,296.89	5.26	247.442	
900.00	893.06	877.49	877.35	3.41	2.80	-10.36	-1,324.39	-325.45	1,279.93	1,273.98	5.96	214.918	
1,000.00	989.64	960.40	960.25	3.93	3.09	-10.57	-1,324.74	-326.92	1,255.24	1,248.60	6.63	189.244	
1,100.00	1,085.27	1,039.33	1,039.12	4.50	3.38	-10.76	-1,325.77	-329.59	1,228.43	1,221.13	7.30	168.173	
1,200.00	1,179.82	1,117.30	1,116.94	5.11	3.66	-10.91	-1,327.56	-334.10	1,199.76	1,191.78	7.98	150.302	
1,300.00	1,273.17	1,193.95	1,193.35	5.77	3.94	-11.07	-1,330.24	-339.39	1,169.20	1,160.53	8.67	134.919	
1,400.00	1,365.21	1,272.00	1,271.00	6.48	4.23	-11.21	-1,334.20	-346.27	1,137.16	1,127.80	9.37	121.415	
1,500.00	1,455.84	1,337.06	1,335.50	7.23	4.47	-11.30	-1,338.46	-353.62	1,103.75	1,093.72	10.03	110.006	
1,600.00	1,544.94	1,411.31	1,408.79	8.04	4.77	-11.32	-1,344.29	-363.98	1,068.98	1,058.23	10.75	99.449	
1,700.00	1,632.39	1,493.78	1,489.85	8.90	5.10	-11.27	-1,351.65	-377.29	1,032.48	1,020.97	11.51	89.704	
1,800.00	1,718.11	1,594.55	1,588.94	9.81	5.53	-11.24	-1,360.73	-393.17	992.86	980.51	12.35	80.374	
1,900.00	1,801.97	1,692.10	1,684.60	10.77	5.95	-11.06	-1,367.54	-410.97	948.86	935.67	13.20	71.906	
2,000.00	1,883.88	1,763.00	1,753.33	11.78	6.28	-10.73	-1,371.98	-427.75	902.51	888.55	13.96	64.644	
2,100.00	1,963.74	1,818.65	1,806.72	12.84	6.56	-10.38	-1,376.53	-442.75	855.71	841.02	14.69	58.234	
2,200.00	2,041.45	1,876.82	1,862.14	13.95	6.86	-9.98	-1,383.55	-458.98	809.45	794.01	15.44	52.425	
2,300.00	2,116.92	1,954.00	1,935.21	15.10	7.29	-9.33	-1,394.98	-481.04	762.84	746.57	16.27	46.890	
2,400.00	2,190.05	2,022.16	1,999.29	16.31	7.69	-8.68	-1,406.10	-501.41	714.97	697.90	17.07	41.881	
2,500.00	2,260.76	2,094.19	2,066.38	17.56	8.14	-7.73	-1,418.33	-524.60	665.71	647.81	17.89	37.203	
2,600.00	2,328.95	2,165.55	2,131.80	18.85	8.62	-6.43	-1,431.25	-549.97	615.77	597.06	18.71	32.906	
2,700.00	2,394.55	2,240.00	2,198.71	20.19	9.15	-4.42	-1,444.51	-579.81	564.81	545.27	19.54	28.904	
2,800.00	2,457.48	2,306.70	2,257.37	21.57	9.69	-1.97	-1,456.66	-609.12	513.69	493.35	20.34	25.258	
2,900.00	2,518.85	2,370.63	2,312.45	22.98	10.24	0.99	-1,469.47	-638.93	464.99	443.88	21.10	22.033	
3,000.00	2,580.20	2,436.35	2,367.73	24.39	10.84	4.55	-1,484.68	-671.06	421.96	400.07	21.89	19.276	
3,100.00	2,641.56	2,528.46	2,445.10	25.81	11.72	10.22	-1,507.22	-715.64	382.67	359.50	23.17	16.515	
3,200.00	2,702.91	2,601.87	2,506.55	27.23	12.45	15.53	-1,525.45	-751.42	347.73	323.23	24.50	14.194	
3,300.00	2,764.27	2,690.31	2,579.82	28.65	13.35	22.95	-1,547.89	-795.57	319.26	292.55	26.72	11.949	
3,400.00	2,825.62	2,772.27	2,648.33	30.08	14.19	30.55	-1,569.11	-835.25	296.49	266.97	29.52	10.044	
3,500.00	2,886.98	2,854.99	2,716.56	31.51	15.07	38.72	-1,592.17	-875.93	283.21	250.08	33.13	8.549	
3,600.00	2,948.33	2,946.65	2,792.19	32.95	16.04	48.08	-1,618.41	-920.57	278.40	240.61	37.78	7.369	
3,629.92	2,966.69	2,976.11	2,816.80	33.37	16.35	51.12	-1,626.81	-934.40	278.16	238.81	39.35	7.069 CC	
3,700.00	3,009.68	3,044.92	2,875.05	34.38	17.05	58.22	-1,646.22	-965.47	279.48	236.44	43.04	6.493 ES	
3,800.00	3,071.04	3,134.99	2,952.77	35.82	17.94	67.52	-1,670.73	-1,003.82	286.52	238.73	47.79	5.996	
3,900.00	3,132.39	3,210.48	3,018.57	37.25	18.67	75.36	-1,688.37	-1,036.33	303.62	252.29	51.32	5.916 SF	
4,000.00	3,193.75	3,276.77	3,075.74	38.69	19.34	81.79	-1,701.85	-1,067.05	332.66	279.18	53.48	6.220	
4,100.00	3,255.10	3,353.60	3,140.77	40.13	20.16	88.17	-1,716.68	-1,105.18	371.10	315.57	55.53	6.683	
4,200.00	3,316.46	3,441.66	3,214.75	41.58	21.10	94.11	-1,734.78	-1,149.37	413.87	356.11	57.76	7.165	
4,300.00	3,377.81	3,525.79	3,286.69	43.02	21.99	99.09	-1,751.75	-1,189.54	458.51	399.00	59.51	7.705	
4,400.00	3,439.17	3,605.07	3,353.95	44.46	22.84	102.92	-1,768.01	-1,228.24	506.05	445.15	60.91	8.309	
4,500.00	3,500.52	3,689.57	3,424.92	45.91	23.76	106.22	-1,785.90	-1,270.48	555.57	493.04	62.53	8.885	
4,600.00	3,561.88	3,784.52	3,505.79	47.35	24.77	109.52	-1,806.50	-1,315.75	604.82	540.33	64.49	9.379	
4,700.00	3,623.23	3,863.00	3,572.90	48.80	25.60	111.89	-1,823.38	-1,352.76	655.09	589.35	65.74	9.966	
4,800.00	3,684.59	3,934.08	3,632.95	50.24	26.38	113.66	-1,838.51	-1,387.66	707.17	640.39	66.78	10.589	
4,900.00	3,745.94	4,014.50	3,699.78	51.69	27.29	115.25	-1,855.76	-1,428.91	760.63	692.33	68.30	11.137	
5,000.00	3,807.30	4,101.49	3,771.52	53.14	28.29	116.67	-1,874.99	-1,474.21	814.29	744.16	70.13	11.611	
5,100.00	3,868.65	4,189.46	3,843.80	54.58	29.32	117.88	-1,895.16	-1,520.12	867.68	795.65	72.03	12.046	

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	3,930.01	4,276.98	3,915.74	56.03	30.35	118.95	-1,915.51	-1,565.61	920.98	847.07	73.91	12.460		
5,300.00	3,991.36	4,367.94	3,990.69	57.48	31.40	119.96	-1,937.10	-1,612.40	973.92	898.02	75.90	12.832		
5,400.00	4,052.72	4,460.47	4,068.64	58.93	32.42	121.07	-1,958.66	-1,657.34	1,026.43	948.62	77.81	13.192		
5,500.00	4,114.07	4,552.03	4,148.48	60.38	33.35	122.38	-1,979.11	-1,697.19	1,078.32	998.87	79.46	13.571		
5,600.00	4,175.43	4,627.00	4,213.80	61.83	34.10	123.36	-1,995.88	-1,729.95	1,130.60	1,049.98	80.63	14.023		
5,700.00	4,236.78	4,698.10	4,274.57	63.28	34.86	124.08	-2,011.90	-1,763.17	1,183.88	1,102.06	81.83	14.468		
5,800.00	4,298.14	4,780.94	4,344.61	64.73	35.76	124.76	-2,030.33	-1,803.39	1,238.03	1,154.60	83.43	14.839		
5,900.00	4,359.49	4,862.73	4,415.05	66.18	36.63	125.52	-2,048.06	-1,840.97	1,292.07	1,207.14	84.94	15.212		
6,000.00	4,420.85	4,942.41	4,483.03	67.63	37.49	126.13	-2,065.37	-1,878.77	1,346.60	1,260.17	86.44	15.579		
6,100.00	4,482.20	5,031.48	4,557.60	69.08	38.49	126.64	-2,085.55	-1,923.10	1,401.07	1,312.74	88.33	15.862		
6,200.00	4,543.55	5,130.02	4,641.03	70.53	39.57	127.24	-2,108.12	-1,970.39	1,454.98	1,364.56	90.42	16.091		
6,300.00	4,604.91	5,214.82	4,713.56	71.98	40.47	127.78	-2,127.61	-2,009.74	1,508.53	1,416.47	92.06	16.387		
6,400.00	4,666.26	5,287.62	4,774.73	73.44	41.29	128.12	-2,144.67	-2,045.33	1,562.38	1,468.91	93.47	16.715		
6,500.00	4,727.62	5,364.26	4,838.36	74.89	42.17	128.40	-2,162.44	-2,084.18	1,616.85	1,521.79	95.05	17.010		
6,600.00	4,788.97	5,455.86	4,914.93	76.34	43.22	128.75	-2,183.42	-2,129.86	1,671.42	1,574.37	97.05	17.222		
6,700.00	4,850.33	5,554.13	4,996.86	77.79	44.33	129.08	-2,206.91	-2,178.78	1,725.17	1,625.93	99.23	17.385		
6,800.00	4,911.68	5,642.58	5,071.79	79.24	45.31	129.45	-2,227.88	-2,220.83	1,778.66	1,677.61	101.05	17.602		
6,900.00	4,973.04	5,742.85	5,157.81	80.70	46.37	129.92	-2,251.63	-2,266.56	1,831.83	1,728.76	103.08	17.772		
7,000.00	5,034.39	5,824.89	5,228.67	82.15	47.22	130.33	-2,271.58	-2,302.77	1,884.24	1,779.63	104.60	18.013		
7,100.00	5,095.75	5,892.00	5,286.40	83.60	47.92	130.62	-2,286.99	-2,333.32	1,937.97	1,832.18	105.78	18.320		
7,200.00	5,157.10	5,933.01	5,321.62	85.05	48.35	130.78	-2,295.87	-2,352.37	1,992.84	1,886.53	106.31	18.745		
7,300.00	5,218.46	5,988.00	5,369.01	86.51	48.93	131.00	-2,307.25	-2,377.82	2,048.82	1,941.64	107.18	19.115		
7,400.00	5,279.81	6,046.37	5,419.49	87.96	49.54	131.23	-2,318.61	-2,404.84	2,105.85	1,997.72	108.13	19.475		
7,500.00	5,341.17	6,117.20	5,480.78	89.41	50.29	131.50	-2,331.50	-2,437.91	2,163.91	2,054.48	109.43	19.775		
7,600.00	5,402.52	6,203.68	5,554.54	90.87	51.22	131.75	-2,348.08	-2,479.90	2,221.56	2,110.33	111.23	19.973		
7,700.00	5,463.88	6,255.46	5,598.21	92.32	51.81	131.85	-2,357.75	-2,505.99	2,279.95	2,167.84	112.11	20.336		
7,800.00	5,525.23	6,484.13	5,790.29	93.77	54.38	132.29	-2,407.08	-2,619.71	2,335.25	2,217.37	117.88	19.810		
7,900.00	5,586.59	6,562.00	5,856.05	95.23	55.25	132.46	-2,425.59	-2,657.08	2,389.12	2,269.65	119.47	19.997		
8,000.00	5,647.94	6,665.22	5,943.25	96.68	56.39	132.67	-2,450.36	-2,706.43	2,442.81	2,321.11	121.69	20.073		
8,100.00	5,709.30	6,748.91	6,013.49	98.13	57.34	132.81	-2,470.89	-2,747.05	2,496.16	2,372.69	123.46	20.218		
8,200.00	5,770.65	6,944.46	6,178.58	99.59	59.48	133.20	-2,522.79	-2,838.04	2,547.32	2,419.54	127.78	19.936		
8,300.00	5,832.01	6,979.58	6,207.82	101.04	59.87	133.25	-2,532.55	-2,854.86	2,597.81	2,469.41	128.40	20.231		
8,400.00	5,893.36	7,039.00	6,257.89	102.49	60.54	133.35	-2,547.48	-2,883.16	2,650.28	2,520.70	129.57	20.454		
8,500.00	5,954.72	7,039.00	6,257.89	103.95	60.54	133.35	-2,547.48	-2,883.16	2,703.82	2,574.57	129.25	20.919		
8,600.00	6,016.07	7,095.74	6,306.25	105.40	61.15	133.46	-2,560.23	-2,909.96	2,758.86	2,628.58	130.28	21.176		
8,700.00	6,077.43	7,164.31	6,365.17	106.86	61.89	133.61	-2,574.47	-2,942.02	2,815.08	2,683.49	131.59	21.393		
8,800.00	6,138.78	7,303.45	6,484.10	108.31	63.39	133.87	-2,605.48	-3,007.22	2,869.97	2,735.32	134.65	21.314		
8,900.00	6,200.13	7,372.35	6,542.54	109.76	64.14	133.97	-2,621.34	-3,040.09	2,924.58	2,788.57	136.01	21.502		
9,000.00	6,261.49	7,420.00	6,583.33	111.22	64.65	134.06	-2,631.88	-3,062.34	2,979.88	2,843.05	136.83	21.778		
9,100.00	6,322.84	7,474.25	6,629.87	112.67	65.24	134.16	-2,643.32	-3,087.76	3,036.06	2,898.26	137.80	22.033		
9,200.00	6,384.20	7,523.71	6,672.13	114.13	65.77	134.23	-2,653.15	-3,111.52	3,093.28	2,954.62	138.65	22.309		
9,300.00	6,445.55	7,611.00	6,745.53	115.58	66.76	134.31	-2,670.88	-3,155.29	3,150.44	3,009.86	140.57	22.412		
9,400.00	6,506.91	7,678.66	6,799.89	117.03	67.63	134.27	-2,685.13	-3,192.93	3,207.78	3,065.60	142.18	22.562		
9,500.00	6,568.26	7,707.00	6,821.50	118.49	68.00	134.22	-2,691.07	-3,210.27	3,266.11	3,123.47	142.64	22.898		
9,600.00	6,629.62	7,755.88	6,856.93	119.94	68.75	134.06	-2,701.02	-3,242.42	3,325.38	3,181.46	143.92	23.106		
9,700.00	6,690.97	7,802.00	6,888.02	121.40	69.46	133.84	-2,709.84	-3,275.30	3,385.93	3,240.78	145.15	23.327		
9,800.00	6,752.33	7,802.00	6,888.02	122.85	69.46	133.84	-2,709.84	-3,275.30	3,447.60	3,302.97	144.63	23.838		
9,900.00	6,813.68	7,850.98	6,918.27	124.31	70.32	133.54	-2,718.61	-3,312.80	3,510.19	3,364.07	146.12	24.023		
10,000.00	6,875.04	7,898.00	6,944.34	125.76	71.15	133.18	-2,726.44	-3,351.12	3,574.10	3,426.53	147.57	24.220		
10,100.00	6,936.39	7,898.00	6,944.34	127.22	71.15	133.18	-2,726.44	-3,351.12	3,638.88	3,491.92	146.97	24.760		
10,200.00	6,997.75	7,932.86	6,962.03	128.67	71.82	132.88	-2,731.79	-3,380.67	3,704.80	3,556.85	147.95	25.041		
10,300.00	7,059.10	7,957.17	6,973.75	130.13	72.29	132.66	-2,735.26	-3,401.69	3,771.79	3,623.36	148.43	25.411		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 36-T7N-R67W - ICE MAN 2W-15-2N - ORIGINAL WELLBORE - WB #1 - PATT 901		Offset Site Error:		0.00 usft
Survey Program:		130-MWD OWSG											Offset Well Error:		0.00 usft		
Reference		Offset		Semi Major Axis		Distance								Warning			
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					
10,400.00	7,118.86	7,993.00	6,990.06	131.62	72.98	120.02	-2,739.97	-3,433.24	3,836.91	3,687.51	149.40	25.682					
10,500.00	7,173.55	7,993.00	6,990.06	133.17	72.98	108.77	-2,739.97	-3,433.24	3,894.57	3,746.04	148.53	26.221					
10,600.00	7,221.49	8,041.94	7,010.11	134.72	73.97	100.04	-2,745.72	-3,477.50	3,942.95	3,793.00	149.95	26.294					
10,700.00	7,261.21	8,089.00	7,026.58	136.22	74.92	93.72	-2,750.53	-3,521.32	3,981.13	3,829.90	151.24	26.324					
10,800.00	7,291.51	8,115.84	7,035.07	137.61	75.48	89.47	-2,752.98	-3,546.66	4,007.78	3,856.29	151.49	26.456					
10,900.00	7,311.47	8,184.00	7,055.72	138.86	76.91	87.13	-2,758.39	-3,611.39	4,022.38	3,868.51	153.87	26.141					
11,000.00	7,320.48	8,184.00	7,055.72	139.92	76.91	86.32	-2,758.39	-3,611.39	4,024.26	3,871.52	152.74	26.347					
11,100.00	7,321.00	8,232.98	7,067.80	140.82	77.95	86.55	-2,761.43	-3,658.74	4,017.10	3,862.88	154.23	26.047					
11,200.00	7,321.00	8,280.00	7,075.07	141.74	78.95	86.65	-2,763.56	-3,705.12	4,011.16	3,855.53	155.63	25.774					
11,300.00	7,321.00	8,280.00	7,075.07	142.69	78.95	86.65	-2,763.56	-3,705.12	4,006.88	3,852.38	154.50	25.935					
11,400.00	7,321.00	8,340.09	7,080.26	143.67	80.24	86.72	-2,765.12	-3,764.97	4,003.91	3,847.27	156.64	25.561					
11,500.00	7,321.00	8,398.40	7,082.70	144.68	81.49	86.76	-2,765.53	-3,823.22	4,002.63	3,843.94	158.69	25.222					
11,600.00	7,321.00	8,557.48	7,080.38	145.73	84.94	86.72	-2,768.54	-3,982.22	4,000.52	3,834.26	166.26	24.062					
11,700.00	7,321.00	8,608.05	7,078.62	146.80	86.05	86.70	-2,769.56	-4,032.76	3,998.61	3,830.66	167.95	23.808					
11,800.00	7,321.00	8,661.00	7,077.01	147.91	87.22	86.67	-2,769.79	-4,085.68	3,998.08	3,828.29	169.79	23.548					
11,804.45	7,321.00	8,661.00	7,077.01	147.96	87.22	86.67	-2,769.79	-4,085.68	3,998.08	3,828.34	169.74	23.554					
11,900.00	7,321.00	8,743.20	7,074.12	149.05	89.04	86.63	-2,769.52	-4,167.83	3,998.42	3,825.14	173.28	23.075					
12,000.00	7,321.00	8,808.95	7,071.83	150.22	90.51	86.60	-2,769.06	-4,233.53	3,999.18	3,823.30	175.88	22.738					
12,100.00	7,321.00	8,883.51	7,071.39	151.42	92.19	86.59	-2,767.66	-4,308.08	4,000.88	3,821.84	179.04	22.347					
12,200.00	7,321.00	9,080.14	7,068.05	152.66	96.69	86.55	-2,765.85	-4,504.65	4,001.91	3,812.77	189.15	21.158					
12,300.00	7,321.00	9,193.11	7,068.26	153.93	99.33	86.55	-2,766.52	-4,617.62	4,001.14	3,806.55	194.59	20.562					
12,400.00	7,321.00	9,328.35	7,067.54	155.22	102.52	86.54	-2,767.91	-4,752.85	4,000.02	3,798.70	201.32	19.869					
12,500.00	7,321.00	9,388.73	7,066.76	156.55	103.95	86.53	-2,768.61	-4,813.23	3,998.78	3,794.94	203.85	19.617					
12,600.00	7,321.00	9,477.78	7,065.10	157.91	106.08	86.50	-2,768.88	-4,902.25	3,998.40	3,790.38	208.01	19.222					
12,700.00	7,321.00	9,616.59	7,064.44	159.31	109.42	86.49	-2,770.00	-5,041.04	3,997.47	3,782.40	215.07	18.587					
12,800.00	7,321.00	9,688.20	7,066.09	160.73	111.16	86.52	-2,770.55	-5,112.63	3,996.39	3,778.06	218.33	18.304					
12,900.00	7,321.00	9,773.41	7,067.18	162.18	113.23	86.53	-2,770.75	-5,197.83	3,995.90	3,773.51	222.39	17.968					
13,000.00	7,321.00	9,978.01	7,066.77	163.67	118.26	86.52	-2,774.04	-5,402.39	3,994.05	3,760.76	233.29	17.121					
13,100.00	7,321.00	10,049.58	7,065.28	165.18	120.03	86.50	-2,776.00	-5,473.92	3,991.33	3,754.73	236.60	16.870					
13,200.00	7,321.00	10,121.96	7,062.91	166.73	121.82	86.46	-2,777.32	-5,546.24	3,989.51	3,749.55	239.96	16.626					
13,300.00	7,321.00	10,220.89	7,062.24	168.30	124.28	86.45	-2,778.75	-5,645.15	3,987.94	3,743.06	244.88	16.286					
13,400.00	7,321.00	10,310.37	7,061.28	169.90	126.52	86.44	-2,779.98	-5,734.62	3,986.47	3,737.21	249.27	15.993					
13,500.00	7,321.00	10,381.00	7,059.61	171.53	128.28	86.41	-2,780.69	-5,805.23	3,985.48	3,732.92	252.57	15.780					
13,549.45	7,321.00	10,407.24	7,058.99	172.35	128.94	86.40	-2,780.78	-5,831.46	3,985.33	3,731.63	253.70	15.709					
13,600.00	7,321.00	10,429.98	7,058.67	173.19	129.51	86.40	-2,780.68	-5,854.20	3,985.53	3,730.91	254.62	15.653					
13,700.00	7,321.00	10,476.00	7,058.67	174.88	130.66	86.40	-2,779.94	-5,900.21	3,986.95	3,730.48	256.48	15.545					
13,800.00	7,321.00	10,572.00	7,058.69	176.59	133.06	86.40	-2,777.73	-5,996.19	3,989.08	3,727.77	261.31	15.265					
13,900.00	7,321.00	10,706.88	7,057.00	178.33	136.45	86.38	-2,774.73	-6,131.01	3,991.35	3,722.89	268.46	14.868					
14,000.00	7,321.00	10,875.42	7,060.05	180.09	140.73	86.42	-2,773.72	-6,299.49	3,991.58	3,713.97	277.61	14.378					
14,100.00	7,321.00	11,002.24	7,062.97	181.88	143.97	86.46	-2,774.83	-6,426.27	3,990.28	3,705.97	284.31	14.035					
14,190.45	7,321.00	11,050.00	7,063.47	183.52	145.19	86.47	-2,775.08	-6,474.03	3,989.69	3,703.23	286.46	13.927					
14,200.00	7,321.00	11,050.00	7,063.47	183.70	145.19	86.47	-2,775.08	-6,474.03	3,989.70	3,703.31	286.39	13.931					
14,300.00	7,321.00	11,126.40	7,063.24	185.54	147.14	86.47	-2,774.82	-6,550.43	3,989.98	3,699.84	290.14	13.752					
14,400.00	7,321.00	11,379.30	7,062.33	187.40	153.63	86.45	-2,776.03	-6,803.22	3,990.06	3,685.95	304.12	13.120					
14,500.00	7,321.00	11,448.52	7,063.77	189.29	155.42	86.47	-2,777.57	-6,872.40	3,987.52	3,679.99	307.53	12.966					
14,600.00	7,321.00	11,544.45	7,063.77	191.20	157.90	86.47	-2,779.61	-6,968.31	3,985.24	3,672.78	312.47	12.754					
14,700.00	7,321.00	11,623.00	7,062.07	193.13	159.93	86.45	-2,780.84	-7,046.83	3,983.59	3,667.20	316.39	12.591					
14,800.00	7,321.00	11,774.14	7,063.64	195.08	163.86	86.47	-2,784.06	-7,197.89	3,981.17	3,656.67	324.51	12.268					
14,900.00	7,321.00	11,876.94	7,066.29	197.05	166.53	86.50	-2,786.66	-7,300.62	3,978.32	3,648.44	329.88	12.060					
15,000.00	7,321.00	12,005.00	7,069.76	199.04	169.87	86.55	-2,791.06	-7,428.56	3,974.43	3,637.74	336.69	11.804					
15,100.00	7,321.00	12,051.17	7,070.79	201.06	171.08	86.56	-2,792.62	-7,474.69	3,971.14	3,632.28	338.86	11.719					
15,200.00	7,321.00	12,101.00	7,071.19	203.09	172.38	86.57	-2,792.92	-7,524.51	3,969.90	3,628.72	341.19	11.636					

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 36-T7N-R67W - ICE MAN 2W-15-2N - ORIGINAL WELLBORE - WB #1 - PATT 901		Offset Site Error:		0.00 usft	
Survey Program:		130-MWD OWSG											Offset Well Error:		0.00 usft			
Reference		Offset		Semi Major Axis		Distance								Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor						
15,300.00	7,321.00	12,328.79	7,071.23	205.14	178.33	86.56	-2,799.15	-7,752.19	3,966.68	3,613.01	353.66	11.216						
15,400.00	7,321.00	12,386.00	7,070.17	207.21	179.83	86.54	-2,801.40	-7,809.34	3,962.81	3,606.33	356.48	11.117						
15,500.00	7,321.00	12,481.00	7,069.56	209.29	182.32	86.53	-2,804.19	-7,904.29	3,959.76	3,598.34	361.42	10.956						
15,600.00	7,321.00	12,510.73	7,069.90	211.39	183.10	86.54	-2,804.66	-7,934.02	3,957.69	3,595.05	362.64	10.914						
15,700.00	7,321.00	12,577.00	7,070.61	213.51	184.83	86.55	-2,804.53	-8,000.28	3,957.39	3,591.46	365.93	10.815						
15,716.60	7,321.00	12,577.00	7,070.61	213.87	184.83	86.55	-2,804.53	-8,000.28	3,957.36	3,591.53	365.82	10.818						
15,800.00	7,321.00	12,577.00	7,070.61	215.65	184.83	86.55	-2,804.53	-8,000.28	3,958.23	3,593.02	365.22	10.838						
15,900.00	7,321.00	12,641.47	7,071.49	217.80	186.52	86.56	-2,803.01	-8,064.73	3,960.50	3,592.18	368.32	10.753						
16,000.00	7,321.00	12,735.07	7,073.09	219.96	188.97	86.59	-2,799.50	-8,158.24	3,963.96	3,590.74	373.22	10.621						
16,100.00	7,321.00	12,896.42	7,075.84	222.14	193.20	86.63	-2,795.96	-8,319.53	3,965.59	3,583.33	382.26	10.374						
16,200.00	7,321.00	12,958.00	7,077.07	224.34	194.81	86.65	-2,794.36	-8,381.08	3,967.83	3,582.60	385.22	10.300						
16,300.00	7,321.00	13,079.79	7,079.65	226.55	198.02	86.69	-2,790.89	-8,502.79	3,970.43	3,578.57	391.86	10.132						
16,400.00	7,321.00	13,189.14	7,082.04	228.77	200.89	86.72	-2,788.76	-8,612.09	3,972.06	3,574.32	397.74	9.986						
16,500.00	7,321.00	13,309.75	7,080.07	231.00	204.07	86.70	-2,786.33	-8,732.65	3,974.09	3,569.84	404.26	9.831						
16,600.00	7,321.00	13,466.56	7,073.24	233.25	208.20	86.60	-2,785.94	-8,889.31	3,974.30	3,561.46	412.83	9.627						
16,700.00	7,321.00	13,610.94	7,065.11	235.51	212.01	86.48	-2,786.76	-9,033.45	3,974.04	3,553.44	420.60	9.448						
16,800.00	7,321.00	13,716.30	7,057.74	237.78	214.78	86.37	-2,788.54	-9,138.54	3,972.62	3,546.51	426.11	9.323						
16,900.00	7,321.00	13,816.00	7,050.92	240.06	217.41	86.27	-2,790.21	-9,237.99	3,971.22	3,539.93	431.30	9.208						
17,000.00	7,321.00	13,862.68	7,047.96	242.35	218.64	86.23	-2,790.66	-9,284.57	3,970.52	3,537.04	433.47	9.160						
17,100.00	7,321.00	14,128.85	7,028.91	244.66	225.67	85.95	-2,797.32	-9,549.91	3,968.23	3,520.33	447.90	8.860						
17,200.00	7,321.00	14,197.00	7,023.12	246.97	227.47	85.86	-2,800.00	-9,617.76	3,964.63	3,513.27	451.37	8.784						
17,300.00	7,321.00	14,353.76	7,009.06	249.29	231.61	85.65	-2,807.33	-9,773.71	3,960.41	3,500.87	459.54	8.618						
17,400.00	7,321.00	14,417.74	7,004.68	251.63	233.30	85.58	-2,810.50	-9,837.47	3,955.91	3,493.08	462.83	8.547						
17,500.00	7,321.00	14,483.00	6,999.63	253.97	235.03	85.51	-2,812.67	-9,902.49	3,952.82	3,486.68	466.14	8.480						
17,600.00	7,321.00	14,525.37	6,995.96	256.32	236.15	85.45	-2,813.62	-9,944.70	3,950.77	3,482.63	468.14	8.439						
17,700.00	7,321.00	14,644.20	6,984.58	258.68	239.29	85.29	-2,816.38	-10,062.94	3,949.08	3,474.73	474.35	8.325						
17,800.00	7,321.00	14,769.00	6,971.30	261.05	242.58	85.09	-2,820.82	-10,186.95	3,946.12	3,465.29	480.83	8.207						
17,900.00	7,321.00	14,827.25	6,965.02	263.43	244.11	85.00	-2,822.66	-10,244.83	3,943.85	3,460.18	483.67	8.154						
18,000.00	7,321.00	14,997.58	6,949.08	265.81	248.62	84.76	-2,827.20	-10,414.34	3,942.17	3,449.51	492.66	8.002						
18,100.00	7,321.00	15,081.50	6,943.34	268.21	250.85	84.67	-2,830.35	-10,498.00	3,938.92	3,441.93	496.99	7.926						
18,200.00	7,321.00	15,151.00	6,938.45	270.61	252.70	84.60	-2,832.26	-10,567.30	3,936.59	3,436.07	500.51	7.865						
18,300.00	7,321.00	15,247.70	6,930.14	273.02	255.26	84.47	-2,834.65	-10,663.61	3,934.76	3,429.26	505.50	7.784						
18,400.00	7,321.00	15,444.00	6,907.84	275.43	260.44	84.14	-2,843.49	-10,858.41	3,930.94	3,415.25	515.69	7.623						
18,500.00	7,321.00	15,444.00	6,907.84	277.86	260.44	84.14	-2,843.49	-10,858.41	3,927.76	3,412.29	515.48	7.620						
18,574.71	7,321.00	15,444.00	6,907.84	279.67	260.44	84.14	-2,843.49	-10,858.41	3,927.05	3,411.93	515.12	7.624						
18,600.00	7,321.00	15,444.00	6,907.84	280.28	260.44	84.14	-2,843.49	-10,858.41	3,927.13	3,412.17	514.96	7.626						
18,700.00	7,321.00	15,444.00	6,907.84	282.72	260.44	84.14	-2,843.49	-10,858.41	3,929.05	3,414.92	514.13	7.642						
18,800.00	7,321.00	15,444.00	6,907.84	285.16	260.44	84.14	-2,843.49	-10,858.41	3,933.51	3,420.51	513.00	7.668						
18,900.00	7,321.00	15,444.00	6,907.84	287.61	260.44	84.14	-2,843.49	-10,858.41	3,940.50	3,428.93	511.57	7.703						
19,000.00	7,321.00	15,444.00	6,907.84	290.06	260.44	84.14	-2,843.49	-10,858.41	3,950.01	3,440.17	509.84	7.748						
19,100.00	7,321.00	15,444.00	6,907.84	292.52	260.44	84.14	-2,843.49	-10,858.41	3,962.03	3,454.20	507.83	7.802						
19,200.00	7,321.00	15,444.00	6,907.84	294.99	260.44	84.14	-2,843.49	-10,858.41	3,976.52	3,470.99	505.53	7.866						
19,300.00	7,321.00	15,444.00	6,907.84	297.46	260.44	84.14	-2,843.49	-10,858.41	3,993.47	3,490.49	502.97	7.940						
19,400.00	7,321.00	15,444.00	6,907.84	299.94	260.44	84.14	-2,843.49	-10,858.41	4,012.83	3,512.68	500.16	8.023						
19,500.00	7,321.00	15,444.00	6,907.84	302.42	260.44	84.14	-2,843.49	-10,858.41	4,034.59	3,537.49	497.10	8.116						
19,600.00	7,321.00	15,444.00	6,907.84	304.90	260.44	84.14	-2,843.49	-10,858.41	4,058.69	3,564.88	493.81	8.219						
19,700.00	7,321.00	15,444.00	6,907.84	307.40	260.44	84.14	-2,843.49	-10,858.41	4,085.10	3,594.79	490.31	8.332						
19,800.00	7,321.00	15,444.00	6,907.84	309.89	260.44	84.14	-2,843.49	-10,858.41	4,113.77	3,627.16	486.61	8.454						
19,900.00	7,321.00	15,444.00	6,907.84	312.39	260.44	84.14	-2,843.49	-10,858.41	4,144.65	3,661.93	482.72	8.586						
20,000.00	7,321.00	15,444.00	6,907.84	314.90	260.44	84.14	-2,843.49	-10,858.41	4,177.70	3,699.03	478.67	8.728						
20,100.00	7,321.00	15,444.00	6,907.84	317.41	260.44	84.14	-2,843.49	-10,858.41	4,212.87	3,738.39	474.47	8.879						
20,200.00	7,321.00	15,444.00	6,907.84	319.92	260.44	84.14	-2,843.49	-10,858.41	4,250.09	3,779.96	470.14	9.040						

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 MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 36-T7N-R67W - ICE MAN 2W-15-2N - ORIGINAL WELLBORE - WB #1 - PATT 901												Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
20,300.00	7,321.00	15,444.00	6,907.84	322.44	260.44	84.14	-2,843.49	-10,858.41	4,289.33	3,823.65	465.68	9.211	
20,400.00	7,321.00	15,444.00	6,907.84	324.96	260.44	84.14	-2,843.49	-10,858.41	4,330.52	3,869.40	461.12	9.391	
20,500.00	7,321.00	15,444.00	6,907.84	327.49	260.44	84.14	-2,843.49	-10,858.41	4,373.61	3,917.14	456.47	9.581	
20,600.00	7,321.00	15,444.00	6,907.84	330.02	260.44	84.14	-2,843.49	-10,858.41	4,418.54	3,966.80	451.74	9.781	
20,700.00	7,321.00	15,444.00	6,907.84	332.55	260.44	84.14	-2,843.49	-10,858.41	4,465.26	4,018.31	446.95	9.990	
20,800.00	7,321.00	15,444.00	6,907.84	335.09	260.44	84.14	-2,843.49	-10,858.41	4,513.72	4,071.60	442.12	10.209	
20,900.00	7,321.00	15,444.00	6,907.84	337.63	260.44	84.14	-2,843.49	-10,858.41	4,563.85	4,126.61	437.24	10.438	
21,000.00	7,321.00	15,444.00	6,907.84	340.17	260.44	84.14	-2,843.49	-10,858.41	4,615.60	4,183.26	432.34	10.676	
21,100.00	7,321.00	15,444.00	6,907.84	342.72	260.44	84.14	-2,843.49	-10,858.41	4,668.92	4,241.49	427.43	10.923	
21,200.00	7,321.00	15,444.00	6,907.84	345.27	260.44	84.14	-2,843.49	-10,858.41	4,723.76	4,301.24	422.51	11.180	
21,300.00	7,321.00	15,444.00	6,907.84	347.82	260.44	84.14	-2,843.49	-10,858.41	4,780.06	4,362.45	417.60	11.446	
21,400.00	7,321.00	15,444.00	6,907.84	350.38	260.44	84.14	-2,843.49	-10,858.41	4,837.77	4,425.06	412.70	11.722	
21,500.00	7,321.00	15,444.00	6,907.84	352.94	260.44	84.14	-2,843.49	-10,858.41	4,896.84	4,489.01	407.83	12.007	
21,600.00	7,321.00	15,444.00	6,907.84	355.50	260.44	84.14	-2,843.49	-10,858.41	4,957.23	4,554.25	402.98	12.301	
21,700.00	7,321.00	15,444.00	6,907.84	358.07	260.44	84.14	-2,843.49	-10,858.41	5,018.88	4,620.71	398.17	12.605	
21,746.26	7,321.00	15,444.00	6,907.84	359.25	260.44	84.14	-2,843.49	-10,858.41	5,047.82	4,651.86	395.95	12.748	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	87.27	87.26	0.27	0.12	-167.29	-1,349.15	-304.20	1,383.02	1,382.63	0.39	3,538.688		
200.00	200.00	189.56	189.55	0.63	0.40	-167.35	-1,349.47	-302.88	1,383.04	1,382.02	1.02	1,353.225		
300.00	299.98	301.89	301.87	0.97	0.79	-10.63	-1,349.00	-302.52	1,380.86	1,379.10	1.77	782.248		
400.00	399.84	401.01	400.99	1.32	1.14	-10.68	-1,347.92	-302.49	1,374.64	1,372.18	2.46	558.446		
500.00	499.45	500.47	500.44	1.68	1.49	-10.79	-1,347.06	-302.08	1,365.15	1,361.98	3.17	430.310		
600.00	598.70	588.28	588.25	2.07	1.80	-10.96	-1,346.72	-301.22	1,352.61	1,348.76	3.85	351.740		
700.00	697.47	678.39	678.36	2.48	2.12	-11.17	-1,347.09	-300.56	1,337.48	1,332.96	4.53	295.558		
800.00	795.62	764.98	764.94	2.93	2.41	-11.37	-1,347.82	-300.98	1,319.68	1,314.49	5.19	254.190		
900.00	893.06	853.07	853.00	3.41	2.71	-11.56	-1,349.09	-302.78	1,299.40	1,293.53	5.87	221.403		
1,000.00	989.64	937.09	936.98	3.93	3.00	-11.77	-1,350.82	-305.06	1,276.53	1,269.99	6.54	195.146		
1,100.00	1,085.27	1,017.31	1,017.03	4.50	3.28	-11.91	-1,353.02	-309.58	1,251.58	1,244.37	7.21	173.554		
1,200.00	1,179.82	1,096.32	1,095.72	5.11	3.56	-12.00	-1,355.78	-316.21	1,224.58	1,216.70	7.89	155.220		
1,300.00	1,273.17	1,176.00	1,174.82	5.77	3.85	-12.04	-1,359.56	-324.93	1,195.94	1,187.36	8.58	139.333		
1,400.00	1,365.21	1,256.98	1,255.03	6.48	4.15	-12.06	-1,364.18	-335.01	1,165.26	1,155.96	9.30	125.313		
1,500.00	1,455.84	1,322.76	1,320.05	7.23	4.41	-12.09	-1,368.62	-343.94	1,132.65	1,122.67	9.97	113.564		
1,600.00	1,544.94	1,389.63	1,385.77	8.04	4.68	-12.09	-1,374.79	-354.60	1,099.48	1,088.81	10.67	103.081		
1,700.00	1,632.39	1,462.00	1,456.67	8.90	4.98	-12.06	-1,382.39	-367.00	1,064.71	1,053.32	11.39	93.438		
1,800.00	1,718.11	1,536.54	1,529.34	9.81	5.32	-12.01	-1,391.38	-380.94	1,028.52	1,016.37	12.15	84.643		
1,900.00	1,801.97	1,606.46	1,597.05	10.77	5.64	-11.93	-1,401.32	-395.27	991.46	978.56	12.91	76.823		
2,000.00	1,883.88	1,683.22	1,670.97	11.78	6.02	-11.81	-1,413.52	-411.95	953.08	939.37	13.71	69.538		
2,100.00	1,963.74	1,762.00	1,746.15	12.84	6.43	-11.51	-1,425.88	-431.95	912.37	897.84	14.53	62.787		
2,200.00	2,041.45	1,837.96	1,817.63	13.95	6.87	-10.97	-1,437.95	-454.63	870.00	854.63	15.37	56.602		
2,300.00	2,116.92	1,909.64	1,883.98	15.10	7.33	-10.26	-1,450.28	-478.77	826.83	810.62	16.20	51.025		
2,400.00	2,190.05	1,980.42	1,948.54	16.31	7.81	-9.33	-1,463.10	-504.80	782.62	765.57	17.04	45.926		
2,500.00	2,260.76	2,048.00	2,009.09	17.56	8.30	-8.19	-1,476.22	-531.78	737.88	720.03	17.86	41.318		
2,600.00	2,328.95	2,110.32	2,063.87	18.85	8.80	-6.91	-1,489.50	-558.36	693.28	674.63	18.65	37.174		
2,700.00	2,394.55	2,175.66	2,120.14	20.19	9.36	-5.30	-1,505.01	-587.72	649.30	629.87	19.43	33.409		
2,800.00	2,457.48	2,245.98	2,179.62	21.57	10.00	-3.25	-1,523.07	-620.59	605.66	585.43	20.23	29.936		
2,900.00	2,518.85	2,337.72	2,257.12	22.98	10.87	-0.13	-1,547.26	-663.30	561.97	540.77	21.20	26.503		
3,000.00	2,580.20	2,430.65	2,336.48	24.39	11.75	3.40	-1,571.42	-705.17	518.66	496.44	22.22	23.340		
3,100.00	2,641.56	2,522.33	2,415.61	25.81	12.61	7.36	-1,594.81	-745.14	475.90	452.58	23.32	20.406		
3,200.00	2,702.91	2,602.35	2,484.60	27.23	13.38	11.49	-1,614.69	-780.45	435.15	410.67	24.49	17.772		
3,300.00	2,764.27	2,690.10	2,559.83	28.65	14.24	16.95	-1,635.82	-820.38	397.82	371.74	26.08	15.254		
3,400.00	2,825.62	2,765.36	2,624.40	30.08	15.00	22.31	-1,654.00	-854.49	364.59	336.66	27.93	13.051		
3,500.00	2,886.98	2,839.87	2,686.77	31.51	15.78	28.41	-1,672.69	-890.71	339.89	309.51	30.38	11.188		
3,600.00	2,948.33	2,924.37	2,756.91	32.95	16.69	35.99	-1,694.09	-932.70	323.29	289.38	33.91	9.534		
3,700.00	3,009.68	3,015.71	2,833.31	34.38	17.68	44.67	-1,717.00	-977.19	313.84	275.34	38.50	8.153		
3,784.13	3,061.30	3,092.99	2,898.81	35.59	18.49	52.25	-1,736.01	-1,013.54	311.29	268.49	42.80	7.273 CC		
3,800.00	3,071.04	3,106.18	2,910.06	35.82	18.63	53.55	-1,739.22	-1,019.63	311.40	267.83	43.57	7.147 ES		
3,900.00	3,132.39	3,187.26	2,978.67	37.25	19.49	61.31	-1,759.95	-1,057.52	317.92	269.72	48.19	6.597		
4,000.00	3,193.75	3,275.84	3,053.18	38.69	20.44	69.18	-1,783.78	-1,099.08	332.69	280.00	52.68	6.315		
4,100.00	3,255.10	3,366.60	3,130.11	40.13	21.39	76.65	-1,808.16	-1,140.62	353.37	296.71	56.66	6.236 SF		
4,200.00	3,316.46	3,459.33	3,209.87	41.58	22.34	83.72	-1,832.35	-1,181.26	378.65	318.57	60.08	6.302		
4,300.00	3,377.81	3,548.88	3,287.76	43.02	23.23	89.92	-1,855.51	-1,218.87	407.78	345.00	62.77	6.496		
4,400.00	3,439.17	3,635.07	3,362.38	44.46	24.09	95.06	-1,878.87	-1,255.13	440.59	375.70	64.89	6.790		
4,500.00	3,500.52	3,713.55	3,429.68	45.91	24.90	99.04	-1,900.67	-1,289.11	477.07	410.63	66.44	7.180		
4,600.00	3,561.88	3,791.16	3,495.36	47.35	25.72	102.35	-1,921.68	-1,324.71	517.85	450.03	67.81	7.636		
4,700.00	3,623.23	3,880.04	3,571.01	48.80	26.67	105.75	-1,945.19	-1,365.02	560.51	490.99	69.53	8.062		
4,800.00	3,684.59	3,968.97	3,646.12	50.24	27.62	108.57	-1,969.68	-1,405.83	604.13	532.92	71.20	8.485		
4,900.00	3,745.94	4,057.14	3,720.03	51.69	28.59	110.91	-1,994.79	-1,446.84	648.42	575.56	72.86	8.899		
5,000.00	3,807.30	4,145.15	3,793.68	53.14	29.56	112.93	-2,020.12	-1,487.81	693.30	618.79	74.51	9.305		
5,100.00	3,868.65	4,237.02	3,870.40	54.58	30.58	114.77	-2,047.02	-1,530.59	738.43	662.13	76.30	9.678		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	3,930.01	4,326.73	3,945.15	56.03	31.58	116.33	-2,073.82	-1,572.33	783.60	705.59	78.01	10.044		
5,300.00	3,991.36	4,417.34	4,020.90	57.48	32.58	117.77	-2,100.98	-1,614.00	828.88	749.15	79.74	10.395		
5,400.00	4,052.72	4,508.67	4,098.55	58.93	33.54	119.26	-2,127.75	-1,653.91	874.18	792.82	81.36	10.745		
5,500.00	4,114.07	4,586.23	4,165.75	60.38	34.33	120.57	-2,149.54	-1,685.92	920.00	837.52	82.48	11.155		
5,600.00	4,175.43	4,657.99	4,227.91	61.83	35.06	121.68	-2,168.86	-1,716.13	967.46	884.02	83.44	11.595		
5,700.00	4,236.78	4,729.95	4,289.62	63.28	35.80	122.61	-2,187.68	-1,747.99	1,016.58	932.11	84.48	12.034		
5,800.00	4,298.14	4,822.00	4,368.77	64.73	36.76	123.73	-2,211.44	-1,788.53	1,066.21	980.08	86.13	12.379		
5,900.00	4,359.49	4,917.87	4,450.11	66.18	37.79	124.67	-2,237.46	-1,832.07	1,115.40	1,027.42	87.98	12.677		
6,000.00	4,420.85	5,007.76	4,525.38	67.63	38.79	125.37	-2,262.87	-1,874.14	1,164.22	1,074.47	89.76	12.971		
6,100.00	4,482.20	5,089.52	4,594.67	69.08	39.67	126.04	-2,285.54	-1,911.15	1,213.19	1,121.97	91.22	13.300		
6,200.00	4,543.55	5,202.43	4,690.34	70.53	40.89	126.90	-2,317.52	-1,961.83	1,261.75	1,168.20	93.55	13.488		
6,300.00	4,604.91	5,295.15	4,768.27	71.98	41.91	127.50	-2,345.24	-2,003.73	1,309.13	1,213.78	95.35	13.729		
6,400.00	4,666.26	5,393.78	4,852.20	73.44	42.95	128.19	-2,374.78	-2,046.27	1,356.05	1,258.84	97.21	13.949		
6,500.00	4,727.62	5,485.57	4,931.08	74.89	43.89	128.87	-2,402.34	-2,084.27	1,402.60	1,303.79	98.81	14.195		
6,600.00	4,788.97	5,557.43	4,993.04	76.34	44.63	129.38	-2,423.71	-2,113.73	1,449.45	1,349.52	99.93	14.505		
6,700.00	4,850.33	5,620.81	5,047.14	77.79	45.29	129.75	-2,442.00	-2,141.22	1,497.72	1,396.82	100.90	14.844		
6,800.00	4,911.68	5,680.32	5,097.74	79.24	45.93	130.06	-2,458.36	-2,167.92	1,547.52	1,445.73	101.80	15.202		
6,900.00	4,973.04	5,758.46	5,164.48	80.70	46.75	130.45	-2,478.80	-2,203.04	1,598.53	1,495.35	103.18	15.493		
7,000.00	5,034.39	5,831.89	5,228.22	82.15	47.50	130.88	-2,497.49	-2,234.33	1,649.77	1,545.41	104.36	15.809		
7,100.00	5,095.75	5,892.00	5,280.65	83.60	48.10	131.23	-2,512.01	-2,259.90	1,702.14	1,596.97	105.17	16.185		
7,200.00	5,157.10	5,948.78	5,329.96	85.05	48.69	131.52	-2,525.06	-2,284.85	1,755.85	1,649.91	105.93	16.575		
7,300.00	5,218.46	6,035.74	5,404.19	86.51	49.63	131.84	-2,544.43	-2,325.78	1,810.74	1,703.08	107.66	16.819		
7,400.00	5,279.81	6,185.21	5,529.02	87.96	51.31	132.19	-2,582.20	-2,398.77	1,863.41	1,752.09	111.32	16.740		
7,500.00	5,341.17	6,270.04	5,600.65	89.41	52.24	132.43	-2,604.58	-2,438.30	1,914.83	1,801.82	113.00	16.945		
7,600.00	5,402.52	6,379.75	5,693.42	90.87	53.44	132.74	-2,634.13	-2,488.87	1,965.72	1,850.39	115.33	17.045		
7,700.00	5,463.88	6,440.52	5,744.64	92.32	54.12	132.90	-2,650.47	-2,517.19	2,016.72	1,900.33	116.40	17.326		
7,800.00	5,525.23	6,515.27	5,807.24	93.77	54.95	133.05	-2,670.12	-2,553.01	2,068.49	1,950.62	117.87	17.549		
7,900.00	5,586.59	6,597.44	5,875.97	95.23	55.89	133.20	-2,691.57	-2,592.61	2,120.49	2,000.92	119.58	17.734		
8,000.00	5,647.94	6,682.31	5,946.14	96.68	56.86	133.30	-2,713.89	-2,634.81	2,172.57	2,051.16	121.41	17.894		
8,100.00	5,709.30	6,769.54	6,018.62	98.13	57.86	133.42	-2,736.77	-2,677.61	2,224.61	2,101.32	123.29	18.044		
8,200.00	5,770.65	6,856.65	6,092.58	99.59	58.82	133.62	-2,759.20	-2,717.79	2,276.62	2,151.58	125.04	18.207		
8,300.00	5,832.01	6,943.00	6,166.33	101.04	59.74	133.84	-2,781.63	-2,756.70	2,328.29	2,201.57	126.71	18.374		
8,400.00	5,893.36	7,016.55	6,228.29	102.49	60.56	133.97	-2,800.83	-2,791.36	2,380.21	2,252.05	128.16	18.572		
8,500.00	5,954.72	7,101.68	6,299.07	103.95	61.53	134.06	-2,822.76	-2,833.28	2,432.72	2,302.73	129.98	18.715		
8,600.00	6,016.07	7,195.43	6,377.99	105.40	62.57	134.21	-2,846.95	-2,877.71	2,484.92	2,352.96	131.96	18.831		
8,700.00	6,077.43	7,276.06	6,447.61	106.86	63.39	134.42	-2,867.34	-2,912.85	2,537.02	2,403.59	133.43	19.014		
8,800.00	6,138.78	7,325.00	6,491.10	108.31	63.87	134.62	-2,879.15	-2,931.93	2,589.62	2,455.59	134.03	19.321		
8,900.00	6,200.13	7,381.88	6,542.56	109.76	64.35	134.89	-2,891.92	-2,952.54	2,643.24	2,508.55	134.69	19.625		
9,000.00	6,261.49	7,420.00	6,577.45	111.22	64.67	135.09	-2,899.71	-2,965.77	2,698.29	2,563.37	134.92	20.000		
9,100.00	6,322.84	7,490.62	6,642.22	112.67	65.25	135.45	-2,913.43	-2,990.34	2,754.23	2,618.43	135.80	20.282		
9,200.00	6,384.20	7,562.73	6,707.77	114.13	65.88	135.76	-2,927.31	-3,016.96	2,810.68	2,673.88	136.80	20.546		
9,300.00	6,445.55	7,666.36	6,798.95	115.58	66.90	136.03	-2,948.27	-3,061.43	2,867.20	2,728.39	138.81	20.656		
9,400.00	6,506.91	7,793.88	6,906.69	117.03	68.29	136.14	-2,977.28	-3,123.12	2,922.07	2,780.34	141.73	20.617		
9,500.00	6,568.26	7,841.65	6,947.02	118.49	68.85	136.18	-2,988.27	-3,146.25	2,977.06	2,834.50	142.57	20.882		
9,600.00	6,629.62	7,898.00	6,992.05	119.94	69.53	136.12	-3,000.34	-3,177.85	3,033.74	2,889.98	143.76	21.102		
9,700.00	6,690.97	7,993.00	7,059.70	121.40	70.93	135.73	-3,021.87	-3,240.79	3,090.66	2,943.95	146.71	21.066		
9,800.00	6,752.33	8,027.52	7,081.63	122.85	71.52	135.51	-3,030.09	-3,266.14	3,147.34	2,999.73	147.60	21.323		
9,900.00	6,813.68	8,052.66	7,096.95	124.31	71.94	135.33	-3,035.66	-3,285.29	3,205.54	3,057.45	148.09	21.645		
10,000.00	6,875.04	8,089.00	7,118.06	125.76	72.56	135.05	-3,043.05	-3,313.93	3,265.27	3,116.21	149.06	21.906		
10,100.00	6,936.39	8,089.00	7,118.06	127.22	72.56	135.05	-3,043.05	-3,313.93	3,326.31	3,177.92	148.40	22.415		
10,200.00	6,997.75	8,133.73	7,142.56	128.67	73.37	134.68	-3,051.31	-3,350.43	3,388.50	3,238.72	149.78	22.623		
10,300.00	7,059.10	8,184.00	7,168.33	130.13	74.28	134.22	-3,059.74	-3,392.75	3,452.09	3,300.65	151.44	22.795		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 36-T7N-R67W - ICE MAN 2W-15-3N - ORIGINAL WELLBORE - WB #1 - PATT 901		Offset Site Error:		0.00 usft
Survey Program:		130-MWD OWSG											Offset Well Error:		0.00 usft		
Reference		Offset		Semi Major Axis		Distance								Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
10,400.00	7,118.86	8,184.00	7,168.33	131.62	74.28	122.25	-3,059.74	-3,392.75	3,513.59	3,362.97	150.62	23.328					
10,500.00	7,173.55	8,184.00	7,168.33	133.17	74.28	111.19	-3,059.74	-3,392.75	3,568.55	3,418.97	149.58	23.857					
10,600.00	7,221.49	8,222.48	7,186.13	134.72	75.01	102.56	-3,065.13	-3,426.42	3,614.57	3,464.25	150.32	24.045					
10,700.00	7,261.21	8,279.00	7,207.75	136.22	76.09	96.24	-3,070.41	-3,478.33	3,652.38	3,500.47	151.92	24.042					
10,800.00	7,291.51	8,279.00	7,207.75	137.61	76.09	91.95	-3,070.41	-3,478.33	3,678.06	3,527.56	150.49	24.440					
10,900.00	7,311.47	8,279.00	7,207.75	138.86	76.09	89.39	-3,070.41	-3,478.33	3,693.23	3,544.24	148.99	24.788					
11,000.00	7,320.48	8,360.39	7,227.89	139.92	77.72	88.69	-3,075.85	-3,556.90	3,696.50	3,544.51	151.99	24.321					
11,100.00	7,321.00	8,427.46	7,235.27	140.82	79.09	88.85	-3,080.24	-3,623.40	3,690.16	3,535.89	154.28	23.919					
11,200.00	7,321.00	8,498.59	7,238.17	141.74	80.56	88.90	-3,084.34	-3,694.34	3,684.13	3,527.31	156.81	23.493					
11,300.00	7,321.00	8,606.13	7,240.75	142.69	82.81	88.93	-3,090.11	-3,801.69	3,678.57	3,517.11	161.46	22.783					
11,400.00	7,321.00	8,661.00	7,241.71	143.67	83.97	88.95	-3,093.45	-3,856.45	3,672.72	3,509.57	163.16	22.510					
11,500.00	7,321.00	8,712.26	7,242.21	144.68	85.05	88.96	-3,095.93	-3,907.64	3,668.19	3,503.52	164.67	22.276					
11,600.00	7,321.00	8,756.00	7,242.20	145.73	85.98	88.96	-3,096.72	-3,951.38	3,665.86	3,500.12	165.75	22.117					
11,700.00	7,321.00	8,947.00	7,240.68	146.80	90.09	88.93	-3,102.38	-4,142.25	3,662.72	3,487.26	175.46	20.875					
11,800.00	7,321.00	9,009.25	7,239.46	147.91	91.46	88.91	-3,105.60	-4,204.40	3,657.98	3,480.27	177.71	20.583					
11,900.00	7,321.00	9,089.37	7,237.31	149.05	93.23	88.88	-3,107.52	-4,284.47	3,655.37	3,474.32	181.04	20.190					
12,000.00	7,321.00	9,234.00	7,234.69	150.22	96.47	88.83	-3,112.65	-4,428.97	3,651.55	3,463.31	188.24	19.399					
12,100.00	7,321.00	9,234.00	7,234.69	151.42	96.47	88.83	-3,112.65	-4,428.97	3,648.95	3,462.07	186.88	19.525					
12,200.00	7,321.00	9,291.48	7,233.71	152.66	97.76	88.82	-3,113.71	-4,486.43	3,647.54	3,458.59	188.95	19.304					
12,204.45	7,321.00	9,292.78	7,233.70	152.71	97.79	88.82	-3,113.71	-4,487.72	3,647.54	3,458.57	188.96	19.303					
12,300.00	7,321.00	9,329.00	7,233.46	153.93	98.61	88.81	-3,113.21	-4,523.94	3,648.48	3,458.68	189.80	19.222					
12,400.00	7,321.00	9,472.35	7,237.61	155.22	101.87	88.88	-3,111.92	-4,667.21	3,649.00	3,451.78	197.21	18.503					
12,500.00	7,321.00	9,521.00	7,239.33	156.55	102.98	88.91	-3,111.36	-4,715.82	3,650.05	3,451.23	198.82	18.359					
12,600.00	7,321.00	9,600.16	7,240.95	157.91	104.80	88.93	-3,109.68	-4,794.94	3,652.01	3,449.69	202.32	18.051					
12,700.00	7,321.00	9,708.90	7,241.01	159.31	107.31	88.93	-3,107.05	-4,903.65	3,654.26	3,446.58	207.68	17.596					
12,800.00	7,321.00	9,782.65	7,240.12	160.73	109.03	88.92	-3,105.23	-4,977.37	3,656.65	3,445.78	210.87	17.341					
12,900.00	7,321.00	9,872.29	7,238.49	162.18	111.12	88.90	-3,102.22	-5,066.95	3,659.85	3,444.78	215.08	17.017					
13,000.00	7,321.00	10,012.33	7,236.83	163.67	114.42	88.87	-3,098.18	-5,206.92	3,662.64	3,440.17	222.47	16.463					
13,100.00	7,321.00	10,094.00	7,237.14	165.18	116.36	88.88	-3,096.05	-5,288.55	3,665.06	3,438.81	226.25	16.199					
13,200.00	7,321.00	10,161.32	7,238.17	166.73	117.97	88.89	-3,093.88	-5,355.83	3,668.10	3,438.95	229.14	16.008					
13,300.00	7,321.00	10,608.11	7,242.76	168.30	128.87	88.96	-3,093.60	-5,802.16	3,671.79	3,416.45	255.35	14.380					
13,400.00	7,321.00	10,667.00	7,243.44	169.90	130.34	88.97	-3,096.74	-5,860.96	3,666.33	3,408.41	257.92	14.215					
13,500.00	7,321.00	10,737.26	7,243.43	171.53	132.10	88.97	-3,099.83	-5,931.15	3,661.81	3,400.64	261.16	14.021					
13,600.00	7,321.00	10,905.51	7,241.98	173.19	136.32	88.95	-3,108.39	-6,099.17	3,656.38	3,386.14	270.24	13.530					
13,700.00	7,321.00	10,969.51	7,240.11	174.88	137.93	88.92	-3,111.76	-6,163.05	3,651.00	3,377.86	273.14	13.367					
13,800.00	7,321.00	11,241.00	7,239.74	176.59	144.80	88.91	-3,129.61	-6,433.84	3,645.13	3,357.00	288.13	12.651					
13,900.00	7,321.00	11,282.95	7,239.99	178.33	145.87	88.91	-3,133.90	-6,475.57	3,635.66	3,345.76	289.90	12.541					
14,000.00	7,321.00	11,337.00	7,239.61	180.09	147.24	88.90	-3,136.49	-6,529.54	3,629.60	3,337.29	292.31	12.417					
14,100.00	7,321.00	11,337.00	7,239.61	181.88	147.24	88.90	-3,136.49	-6,529.54	3,624.21	3,332.73	291.48	12.434					
14,200.00	7,321.00	11,392.21	7,238.80	183.70	148.64	88.89	-3,137.69	-6,584.73	3,621.41	3,327.55	293.87	12.323					
14,300.00	7,321.00	11,464.91	7,237.80	185.54	150.49	88.87	-3,139.73	-6,657.40	3,618.62	3,321.31	297.31	12.171					
14,400.00	7,321.00	11,527.00	7,237.73	187.40	152.07	88.87	-3,140.05	-6,719.48	3,617.63	3,317.53	300.10	12.055					
14,435.30	7,321.00	11,527.00	7,237.73	188.06	152.07	88.87	-3,140.05	-6,719.48	3,617.46	3,317.76	299.70	12.070					
14,500.00	7,321.00	11,591.52	7,237.74	189.29	153.71	88.87	-3,139.73	-6,784.00	3,617.67	3,314.65	303.02	11.939					
14,600.00	7,321.00	11,719.00	7,236.13	191.20	156.95	88.85	-3,140.60	-6,911.47	3,616.73	3,306.83	309.90	11.671					
14,699.88	7,321.00	11,791.60	7,235.92	193.12	158.81	88.84	-3,141.13	-6,984.06	3,615.98	3,302.63	313.35	11.540					
14,700.00	7,321.00	11,791.67	7,235.92	193.13	158.81	88.84	-3,141.13	-6,984.13	3,615.98	3,302.63	313.35	11.540					
14,800.00	7,321.00	11,879.33	7,237.42	195.08	161.05	88.87	-3,140.60	-7,071.78	3,616.35	3,298.59	317.76	11.381					
14,900.00	7,321.00	11,963.08	7,238.13	197.05	163.20	88.88	-3,140.08	-7,155.52	3,616.82	3,294.89	321.93	11.235					
15,000.00	7,321.00	12,087.71	7,237.09	199.04	166.40	88.86	-3,139.38	-7,280.14	3,617.22	3,288.53	328.69	11.005					
15,100.00	7,321.00	12,386.00	7,243.36	201.06	174.11	88.96	-3,147.26	-7,578.06	3,613.93	3,267.91	346.03	10.444					
15,200.00	7,321.00	12,421.09	7,244.88	203.09	175.02	88.98	-3,148.68	-7,613.08	3,609.53	3,262.14	347.38	10.391					

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,300.00	7,321.00	12,481.00	7,247.47	205.14	176.58	89.02	-3,149.93	-7,672.93	3,606.92	3,256.74	350.18	10.300		
15,400.00	7,321.00	12,527.35	7,249.36	207.21	177.78	89.05	-3,150.30	-7,719.23	3,605.52	3,253.42	352.10	10.240		
15,500.00	7,321.00	12,601.29	7,251.93	209.29	179.70	89.09	-3,150.72	-7,793.13	3,604.78	3,249.06	355.72	10.134		
15,519.40	7,321.00	12,611.76	7,252.22	209.70	179.97	89.10	-3,150.71	-7,803.60	3,604.76	3,248.59	356.17	10.121		
15,600.00	7,321.00	12,672.00	7,253.37	211.39	181.53	89.12	-3,150.17	-7,863.82	3,605.24	3,246.13	359.11	10.039		
15,700.00	7,321.00	12,829.89	7,253.76	213.51	185.64	89.12	-3,150.56	-8,021.70	3,604.72	3,236.70	368.02	9.795		
15,800.00	7,321.00	12,930.96	7,252.00	215.65	188.27	89.09	-3,151.43	-8,122.75	3,603.73	3,230.40	373.32	9.653		
15,900.00	7,321.00	13,032.39	7,249.72	217.80	190.92	89.06	-3,152.42	-8,224.15	3,602.62	3,223.96	378.65	9.514		
16,000.00	7,321.00	13,096.26	7,249.45	219.96	192.58	89.05	-3,152.81	-8,288.02	3,601.91	3,220.26	381.65	9.438		
16,008.40	7,321.00	13,100.85	7,249.41	220.15	192.70	89.05	-3,152.81	-8,292.60	3,601.90	3,220.05	381.85	9.433		
16,100.00	7,321.00	13,208.73	7,249.08	222.14	195.52	89.05	-3,152.65	-8,400.47	3,601.92	3,214.22	387.70	9.290		
16,200.00	7,321.00	13,368.02	7,253.15	224.34	199.70	89.11	-3,155.52	-8,559.67	3,599.48	3,202.80	396.68	9.074		
16,300.00	7,321.00	13,434.00	7,254.93	226.55	201.43	89.14	-3,156.23	-8,625.62	3,598.09	3,198.22	399.87	8.998		
16,400.00	7,321.00	13,497.65	7,256.50	228.77	203.10	89.16	-3,156.28	-8,689.24	3,597.67	3,194.78	402.89	8.930		
16,436.37	7,321.00	13,529.00	7,257.29	229.58	203.92	89.18	-3,156.24	-8,720.59	3,597.65	3,193.15	404.50	8.894		
16,500.00	7,321.00	13,559.71	7,257.98	231.00	204.73	89.19	-3,156.04	-8,751.29	3,597.94	3,192.17	405.77	8.867		
16,600.00	7,321.00	13,624.00	7,258.94	233.25	206.41	89.20	-3,154.72	-8,815.56	3,599.64	3,190.88	408.76	8.806		
16,700.00	7,321.00	13,788.63	7,259.72	235.51	210.73	89.22	-3,152.51	-8,980.16	3,600.92	3,182.70	418.23	8.610		
16,800.00	7,321.00	13,958.85	7,257.10	237.78	215.21	89.17	-3,153.34	-9,150.35	3,600.45	3,172.57	427.89	8.414		
16,900.00	7,321.00	14,102.00	7,252.86	240.06	218.99	89.11	-3,157.85	-9,293.35	3,596.82	3,161.05	435.77	8.254		
17,000.00	7,321.00	14,144.31	7,251.33	242.35	220.10	89.08	-3,159.08	-9,335.62	3,594.25	3,156.71	437.55	8.215		
17,064.00	7,321.00	14,161.66	7,250.63	243.83	220.56	89.07	-3,159.20	-9,352.95	3,593.76	3,155.73	438.02	8.205		
17,100.00	7,321.00	14,197.00	7,249.07	244.66	221.49	89.04	-3,158.74	-9,388.25	3,594.17	3,154.30	439.88	8.171		
17,104.45	7,321.00	14,197.00	7,249.07	244.76	221.49	89.04	-3,158.74	-9,388.25	3,594.17	3,154.34	439.83	8.172		
17,200.00	7,321.00	14,206.79	7,248.61	246.97	221.75	89.04	-3,158.50	-9,398.03	3,595.45	3,156.09	439.36	8.183		
17,300.00	7,321.00	14,434.59	7,240.62	249.29	227.75	88.91	-3,157.60	-9,625.64	3,595.32	3,142.53	452.79	7.940		
17,400.00	7,321.00	14,548.57	7,238.92	251.63	230.77	88.88	-3,158.85	-9,739.60	3,594.10	3,135.14	458.97	7.831		
17,500.00	7,321.00	14,635.09	7,237.44	253.97	233.06	88.86	-3,160.27	-9,826.09	3,592.38	3,128.94	463.44	7.752		
17,600.00	7,321.00	14,695.68	7,235.32	256.32	234.66	88.82	-3,160.50	-9,886.65	3,591.85	3,125.57	466.28	7.703		
17,616.50	7,321.00	14,709.77	7,234.77	256.71	235.03	88.82	-3,160.49	-9,900.72	3,591.85	3,124.84	467.00	7.691		
17,700.00	7,321.00	14,810.61	7,230.95	258.68	237.70	88.75	-3,160.37	-10,001.49	3,591.93	3,119.42	472.52	7.602		
17,800.00	7,321.00	14,906.93	7,227.38	261.05	240.25	88.70	-3,161.21	-10,097.74	3,591.00	3,113.41	477.59	7.519		
17,827.77	7,321.00	14,921.20	7,226.75	261.71	240.63	88.69	-3,161.23	-10,111.99	3,590.94	3,112.73	478.21	7.509		
17,900.00	7,321.00	14,960.00	7,224.85	263.43	241.66	88.66	-3,161.01	-10,150.75	3,591.30	3,111.39	479.91	7.483		
18,000.00	7,321.00	14,998.46	7,222.51	265.81	242.67	88.62	-3,160.30	-10,189.13	3,593.10	3,111.92	481.19	7.467		
18,100.00	7,321.00	15,055.00	7,217.94	268.21	244.16	88.55	-3,158.15	-10,245.44	3,596.69	3,113.14	483.55	7.438		
18,200.00	7,321.00	15,257.12	7,198.28	270.61	249.46	88.24	-3,153.55	-10,446.53	3,599.03	3,103.59	495.44	7.264		
18,300.00	7,321.00	15,341.00	7,190.99	273.02	251.68	88.12	-3,152.36	-10,530.09	3,600.52	3,100.87	499.65	7.206		
18,400.00	7,321.00	15,541.18	7,175.18	275.43	256.97	87.87	-3,152.59	-10,729.63	3,600.40	3,089.25	511.15	7.044		
18,500.00	7,321.00	15,637.46	7,166.93	277.86	259.52	87.74	-3,153.86	-10,825.55	3,599.24	3,083.08	516.16	6.973		
18,572.76	7,321.00	15,669.00	7,164.22	279.62	260.35	87.69	-3,154.28	-10,856.97	3,598.64	3,081.20	517.44	6.955		
18,600.00	7,321.00	15,669.00	7,164.22	280.28	260.35	87.69	-3,154.28	-10,856.97	3,598.74	3,081.58	517.16	6.959		
18,700.00	7,321.00	15,669.00	7,164.22	282.72	260.35	87.69	-3,154.28	-10,856.97	3,600.89	3,084.98	515.91	6.980		
18,800.00	7,321.00	15,669.00	7,164.22	285.16	260.35	87.69	-3,154.28	-10,856.97	3,605.81	3,091.52	514.29	7.011		
18,900.00	7,321.00	15,669.00	7,164.22	287.61	260.35	87.69	-3,154.28	-10,856.97	3,613.49	3,101.18	512.31	7.053		
19,000.00	7,321.00	15,669.00	7,164.22	290.06	260.35	87.69	-3,154.28	-10,856.97	3,623.91	3,113.93	509.98	7.106		
19,100.00	7,321.00	15,669.00	7,164.22	292.52	260.35	87.69	-3,154.28	-10,856.97	3,637.06	3,129.74	507.32	7.169		
19,200.00	7,321.00	15,669.00	7,164.22	294.99	260.35	87.69	-3,154.28	-10,856.97	3,652.90	3,148.56	504.34	7.243		
19,300.00	7,321.00	15,669.00	7,164.22	297.46	260.35	87.69	-3,154.28	-10,856.97	3,671.39	3,170.35	501.04	7.327		
19,400.00	7,321.00	15,669.00	7,164.22	299.94	260.35	87.69	-3,154.28	-10,856.97	3,692.50	3,195.04	497.46	7.423		
19,500.00	7,321.00	15,669.00	7,164.22	302.42	260.35	87.69	-3,154.28	-10,856.97	3,716.18	3,222.57	493.61	7.529		
19,600.00	7,321.00	15,669.00	7,164.22	304.90	260.35	87.69	-3,154.28	-10,856.97	3,742.39	3,252.88	489.50	7.645		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 36-T7N-R67W - ICE MAN 2W-15-3N - ORIGINAL WELLBORE - WB #1 - PATT 901												Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
19,700.00	7,321.00	15,669.00	7,164.22	307.40	260.35	87.69	-3,154.28	-10,856.97	3,771.06	3,285.89	485.17	7.773	
19,800.00	7,321.00	15,669.00	7,164.22	309.89	260.35	87.69	-3,154.28	-10,856.97	3,802.15	3,321.53	480.62	7.911	
19,900.00	7,321.00	15,669.00	7,164.22	312.39	260.35	87.69	-3,154.28	-10,856.97	3,835.60	3,359.71	475.88	8.060	
20,000.00	7,321.00	15,669.00	7,164.22	314.90	260.35	87.69	-3,154.28	-10,856.97	3,871.34	3,400.36	470.97	8.220	
20,100.00	7,321.00	15,669.00	7,164.22	317.41	260.35	87.69	-3,154.28	-10,856.97	3,909.31	3,443.39	465.92	8.391	
20,200.00	7,321.00	15,669.00	7,164.22	319.92	260.35	87.69	-3,154.28	-10,856.97	3,949.45	3,488.71	460.74	8.572	
20,300.00	7,321.00	15,669.00	7,164.22	322.44	260.35	87.69	-3,154.28	-10,856.97	3,991.69	3,536.24	455.45	8.764	
20,400.00	7,321.00	15,669.00	7,164.22	324.96	260.35	87.69	-3,154.28	-10,856.97	4,035.97	3,585.90	450.07	8.967	
20,500.00	7,321.00	15,669.00	7,164.22	327.49	260.35	87.69	-3,154.28	-10,856.97	4,082.22	3,637.59	444.62	9.181	
20,600.00	7,321.00	15,669.00	7,164.22	330.02	260.35	87.69	-3,154.28	-10,856.97	4,130.37	3,691.25	439.12	9.406	
20,700.00	7,321.00	15,669.00	7,164.22	332.55	260.35	87.69	-3,154.28	-10,856.97	4,180.36	3,746.78	433.58	9.641	
20,800.00	7,321.00	15,669.00	7,164.22	335.09	260.35	87.69	-3,154.28	-10,856.97	4,232.12	3,804.10	428.02	9.888	
20,900.00	7,321.00	15,669.00	7,164.22	337.63	260.35	87.69	-3,154.28	-10,856.97	4,285.59	3,863.14	422.45	10.145	
21,000.00	7,321.00	15,669.00	7,164.22	340.17	260.35	87.69	-3,154.28	-10,856.97	4,340.71	3,923.82	416.88	10.412	
21,100.00	7,321.00	15,669.00	7,164.22	342.72	260.35	87.69	-3,154.28	-10,856.97	4,397.40	3,986.07	411.33	10.691	
21,200.00	7,321.00	15,669.00	7,164.22	345.27	260.35	87.69	-3,154.28	-10,856.97	4,455.63	4,049.81	405.81	10.979	
21,300.00	7,321.00	15,669.00	7,164.22	347.82	260.35	87.69	-3,154.28	-10,856.97	4,515.31	4,114.98	400.33	11.279	
21,400.00	7,321.00	15,669.00	7,164.22	350.38	260.35	87.69	-3,154.28	-10,856.97	4,576.41	4,181.52	394.89	11.589	
21,500.00	7,321.00	15,669.00	7,164.22	352.94	260.35	87.69	-3,154.28	-10,856.97	4,638.85	4,249.35	389.51	11.910	
21,600.00	7,321.00	15,669.00	7,164.22	355.50	260.35	87.69	-3,154.28	-10,856.97	4,702.60	4,318.41	384.18	12.240	
21,700.00	7,321.00	15,669.00	7,164.22	358.07	260.35	87.69	-3,154.28	-10,856.97	4,767.58	4,388.66	378.93	12.582	
21,746.26	7,321.00	15,669.00	7,164.22	359.25	260.35	87.69	-3,154.28	-10,856.97	4,798.05	4,421.54	376.52	12.743	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	144.87	144.83	0.27	0.22	-168.17	-1,367.13	-286.42	1,397.97	1,397.48	0.49	2,869.663		
200.00	200.00	199.48	199.43	0.63	0.43	-168.16	-1,366.12	-286.45	1,395.88	1,394.82	1.06	1,322.837		
300.00	299.98	285.44	285.38	0.97	0.72	-11.42	-1,366.15	-286.54	1,394.17	1,392.48	1.70	822.261		
400.00	399.84	381.31	381.26	1.32	1.06	-11.45	-1,366.28	-287.21	1,389.31	1,386.93	2.38	583.991		
500.00	499.45	478.04	477.97	1.68	1.40	-11.49	-1,366.56	-288.79	1,381.39	1,378.31	3.08	448.646		
600.00	598.70	591.07	590.99	2.07	1.81	-11.60	-1,366.66	-290.19	1,369.81	1,365.96	3.85	356.139		
700.00	697.47	669.45	669.37	2.48	2.08	-11.74	-1,366.71	-290.79	1,354.74	1,350.25	4.49	301.892		
800.00	795.62	747.02	746.92	2.93	2.35	-11.93	-1,368.24	-291.27	1,338.06	1,332.93	5.13	260.784		
900.00	893.06	828.30	828.15	3.41	2.64	-12.17	-1,370.87	-292.16	1,319.35	1,313.56	5.80	227.652		
1,000.00	989.64	910.37	910.11	3.93	2.94	-12.37	-1,374.18	-294.93	1,298.52	1,292.05	6.47	200.593		
1,100.00	1,085.27	986.00	985.54	4.50	3.21	-12.54	-1,377.80	-298.98	1,275.53	1,268.39	7.14	178.686		
1,200.00	1,179.82	1,072.72	1,071.86	5.11	3.54	-12.67	-1,382.60	-305.82	1,250.40	1,242.54	7.86	159.130		
1,300.00	1,273.17	1,150.10	1,148.58	5.77	3.84	-12.72	-1,387.52	-314.49	1,223.37	1,214.82	8.56	142.969		
1,400.00	1,365.21	1,219.98	1,217.57	6.48	4.12	-12.72	-1,392.80	-324.24	1,194.76	1,185.52	9.24	129.272		
1,500.00	1,455.84	1,287.02	1,283.52	7.23	4.39	-12.74	-1,399.34	-334.41	1,165.18	1,155.25	9.93	117.331		
1,600.00	1,544.94	1,367.00	1,361.72	8.04	4.74	-12.68	-1,408.79	-348.25	1,134.65	1,123.96	10.69	106.163		
1,700.00	1,632.39	1,431.25	1,424.16	8.90	5.04	-12.64	-1,417.40	-360.67	1,102.70	1,091.31	11.40	96.738		
1,800.00	1,718.11	1,503.07	1,493.60	9.81	5.39	-12.54	-1,427.93	-375.70	1,069.31	1,057.15	12.16	87.926		
1,900.00	1,801.97	1,575.29	1,562.77	10.77	5.76	-12.36	-1,439.73	-392.77	1,034.86	1,021.92	12.94	79.972		
2,000.00	1,883.88	1,667.00	1,650.30	11.78	6.25	-12.07	-1,455.33	-415.25	998.15	984.32	13.83	72.179		
2,100.00	1,963.74	1,737.28	1,717.08	12.84	6.66	-11.86	-1,467.92	-433.16	959.39	944.75	14.64	65.548		
2,200.00	2,041.45	1,810.38	1,785.74	13.95	7.10	-11.52	-1,482.00	-453.90	919.52	904.05	15.47	59.424		
2,300.00	2,116.92	1,881.41	1,851.54	15.10	7.57	-11.02	-1,496.26	-476.52	878.34	862.03	16.31	53.850		
2,400.00	2,190.05	1,954.00	1,917.88	16.31	8.07	-10.38	-1,512.38	-501.18	836.64	819.47	17.16	48.741		
2,500.00	2,260.76	2,026.27	1,983.14	17.56	8.61	-9.61	-1,529.40	-527.14	793.87	775.84	18.03	44.036		
2,600.00	2,328.95	2,093.66	2,043.20	18.85	9.15	-8.70	-1,545.66	-553.03	749.81	730.95	18.86	39.755		
2,700.00	2,394.55	2,162.48	2,103.13	20.19	9.73	-7.51	-1,563.66	-581.66	705.90	686.22	19.68	35.861		
2,800.00	2,457.48	2,249.86	2,178.87	21.57	10.50	-5.71	-1,586.93	-618.49	660.18	639.56	20.62	32.021		
2,900.00	2,518.85	2,326.12	2,244.87	22.98	11.19	-3.87	-1,608.02	-650.36	614.08	592.61	21.46	28.611		
3,000.00	2,580.20	2,397.17	2,305.70	24.39	11.87	-1.93	-1,628.84	-680.59	570.52	548.27	22.26	25.634		
3,100.00	2,641.56	2,475.56	2,371.60	25.81	12.64	0.59	-1,653.00	-715.49	530.26	507.17	23.09	22.960		
3,200.00	2,702.91	2,568.07	2,449.30	27.23	13.57	3.91	-1,682.24	-756.28	491.81	467.71	24.11	20.402		
3,300.00	2,764.27	2,654.19	2,522.45	28.65	14.43	7.38	-1,708.93	-793.08	453.64	428.48	25.16	18.031		
3,400.00	2,825.62	2,729.07	2,584.80	30.08	15.21	10.85	-1,733.61	-826.38	420.08	393.85	26.23	16.014		
3,500.00	2,886.98	2,822.47	2,662.47	31.51	16.19	15.65	-1,765.27	-867.48	389.45	361.57	27.88	13.969		
3,600.00	2,948.33	2,906.00	2,731.27	32.95	17.10	20.80	-1,792.80	-906.01	362.87	333.00	29.87	12.148		
3,700.00	3,009.68	2,999.44	2,808.12	34.38	18.13	27.44	-1,822.67	-949.97	340.74	307.88	32.85	10.372		
3,800.00	3,071.04	3,078.52	2,873.27	35.82	19.01	33.60	-1,847.85	-987.04	323.67	287.45	36.22	8.936		
3,900.00	3,132.39	3,174.23	2,951.66	37.25	20.07	41.66	-1,878.07	-1,032.88	313.74	272.68	41.05	7.642		
3,991.27	3,188.39	3,248.88	3,013.45	38.57	20.91	48.19	-1,901.28	-1,067.74	309.53	264.05	45.47	6.807 CC		
4,000.00	3,193.75	3,255.61	3,018.96	38.69	20.99	48.78	-1,903.40	-1,070.97	309.57	263.68	45.89	6.746		
4,100.00	3,255.10	3,345.03	3,091.73	40.13	22.00	56.52	-1,931.78	-1,114.50	314.61	263.42	51.19	6.145 ES		
4,200.00	3,316.46	3,447.39	3,176.73	41.58	23.13	65.13	-1,963.94	-1,161.58	323.85	267.00	56.86	5.696		
4,300.00	3,377.81	3,535.34	3,251.27	43.02	24.07	72.27	-1,991.14	-1,199.51	336.87	275.51	61.36	5.490 SF		
4,400.00	3,439.17	3,614.18	3,316.98	44.46	24.94	78.01	-2,016.26	-1,235.10	357.40	292.67	64.73	5.522		
4,500.00	3,500.52	3,697.85	3,385.21	45.91	25.89	83.28	-2,043.18	-1,275.35	384.95	317.26	67.69	5.687		
4,600.00	3,561.88	3,800.00	3,470.29	47.35	27.02	89.25	-2,075.16	-1,321.93	414.38	343.34	71.04	5.833		
4,700.00	3,623.23	3,890.26	3,546.67	48.80	27.99	94.04	-2,103.72	-1,360.65	444.75	371.35	73.41	6.059		
4,800.00	3,684.59	3,958.00	3,603.91	50.24	28.71	97.28	-2,124.12	-1,390.57	479.72	405.21	74.51	6.438		
4,900.00	3,745.94	4,039.27	3,671.97	51.69	29.61	100.67	-2,147.48	-1,428.33	519.07	443.03	76.04	6.826		
5,000.00	3,807.30	4,130.27	3,747.42	53.14	30.64	103.83	-2,173.73	-1,471.92	560.84	482.89	77.95	7.195		
5,100.00	3,868.65	4,220.25	3,821.77	54.58	31.66	106.49	-2,200.68	-1,514.85	602.96	523.21	79.76	7.560		

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 MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	3,930.01	4,315.51	3,900.29	56.03	32.75	108.90	-2,229.91	-1,560.18	645.46	563.72	81.74	7.896		
5,300.00	3,991.36	4,407.24	3,976.14	57.48	33.79	110.96	-2,258.68	-1,602.97	687.71	604.18	83.53	8.233		
5,400.00	4,052.72	4,501.46	4,054.93	58.93	34.83	112.97	-2,287.92	-1,645.57	730.18	644.87	85.31	8.559		
5,500.00	4,114.07	4,583.04	4,124.55	60.38	35.70	114.74	-2,312.31	-1,680.38	772.98	686.45	86.53	8.933		
5,600.00	4,175.43	4,666.94	4,195.33	61.83	36.60	116.26	-2,337.25	-1,717.89	817.41	729.53	87.89	9.301		
5,700.00	4,236.78	4,759.53	4,273.92	63.28	37.60	117.84	-2,364.78	-1,758.39	861.92	772.41	89.51	9.629		
5,800.00	4,298.14	4,856.43	4,355.12	64.73	38.66	119.20	-2,394.78	-1,801.92	906.39	815.05	91.34	9.923		
5,900.00	4,359.49	4,954.86	4,438.10	66.18	39.74	120.52	-2,426.14	-1,844.57	949.80	856.62	93.18	10.193		
6,000.00	4,420.85	5,046.43	4,512.58	67.63	40.80	121.32	-2,457.23	-1,887.80	993.22	898.19	95.02	10.452		
6,100.00	4,482.20	5,142.33	4,590.33	69.08	41.92	122.08	-2,490.38	-1,933.10	1,036.28	939.25	97.03	10.680		
6,200.00	4,543.55	5,232.24	4,665.39	70.53	42.94	122.96	-2,520.54	-1,972.32	1,079.08	980.41	98.68	10.936		
6,300.00	4,604.91	5,318.95	4,736.48	71.98	43.92	123.60	-2,550.12	-2,012.19	1,122.37	1,022.03	100.34	11.186		
6,400.00	4,666.26	5,416.76	4,816.27	73.44	45.06	124.24	-2,584.00	-2,057.50	1,165.44	1,063.07	102.36	11.385		
6,500.00	4,727.62	5,509.00	4,892.36	74.89	46.11	124.89	-2,616.03	-2,098.64	1,207.99	1,103.83	104.15	11.598		
6,600.00	4,788.97	5,568.29	4,941.30	76.34	46.79	125.28	-2,636.06	-2,125.44	1,251.72	1,146.69	105.03	11.918		
6,700.00	4,850.33	5,632.04	4,993.42	77.79	47.53	125.61	-2,656.38	-2,156.00	1,297.81	1,191.75	106.06	12.237		
6,800.00	4,911.68	5,713.71	5,061.35	79.24	48.45	126.10	-2,681.21	-2,193.93	1,344.87	1,237.29	107.57	12.502		
6,900.00	4,973.04	5,796.00	5,131.89	80.70	49.31	126.75	-2,705.18	-2,228.85	1,392.03	1,283.12	108.91	12.782		
7,000.00	5,034.39	5,867.42	5,194.27	82.15	50.02	127.39	-2,724.92	-2,257.48	1,440.01	1,330.18	109.82	13.112		
7,100.00	5,095.75	5,967.76	5,281.68	83.60	51.02	128.19	-2,752.09	-2,298.57	1,488.86	1,377.30	111.56	13.346		
7,200.00	5,157.10	6,031.76	5,336.26	85.05	51.71	128.58	-2,770.33	-2,326.56	1,537.39	1,424.93	112.46	13.670		
7,300.00	5,218.46	6,086.20	5,381.59	86.51	52.31	128.80	-2,785.23	-2,352.76	1,587.83	1,474.65	113.18	14.030		
7,400.00	5,279.81	6,199.54	5,476.87	87.96	53.58	129.28	-2,815.87	-2,405.92	1,638.35	1,522.65	115.70	14.160		
7,500.00	5,341.17	6,303.41	5,563.12	89.41	54.77	129.64	-2,845.72	-2,455.49	1,687.65	1,569.66	117.99	14.304		
7,600.00	5,402.52	6,390.55	5,633.01	90.87	55.82	129.75	-2,872.00	-2,500.40	1,736.58	1,616.62	119.96	14.476		
7,700.00	5,463.88	6,560.55	5,772.37	92.32	57.82	130.16	-2,923.76	-2,582.78	1,785.65	1,661.47	124.18	14.379		
7,800.00	5,525.23	6,649.96	5,846.87	93.77	58.81	130.48	-2,953.29	-2,622.38	1,830.57	1,704.65	125.91	14.539		
7,900.00	5,586.59	6,716.53	5,903.93	95.23	59.50	130.80	-2,974.31	-2,649.47	1,876.02	1,749.10	126.92	14.781		
8,000.00	5,647.94	6,804.98	5,979.75	96.68	60.43	131.21	-3,001.51	-2,685.99	1,922.39	1,793.93	128.46	14.964		
8,100.00	5,709.30	6,893.81	6,054.30	98.13	61.40	131.50	-3,029.96	-2,725.02	1,968.26	1,838.11	130.16	15.122		
8,200.00	5,770.65	6,973.40	6,120.45	99.59	62.30	131.71	-3,055.28	-2,761.33	2,014.69	1,883.00	131.69	15.298		
8,300.00	5,832.01	7,068.43	6,199.57	101.04	63.36	131.95	-3,085.50	-2,804.40	2,061.10	1,927.48	133.62	15.425		
8,400.00	5,893.36	7,162.53	6,278.86	102.49	64.39	132.24	-3,115.39	-2,845.32	2,107.20	1,971.77	135.43	15.559		
8,500.00	5,954.72	7,244.32	6,347.89	103.95	65.28	132.48	-3,141.36	-2,880.67	2,153.32	2,016.39	136.93	15.726		
8,600.00	6,016.07	7,308.38	6,401.64	105.40	65.99	132.65	-3,161.37	-2,909.21	2,200.17	2,062.13	138.04	15.939		
8,700.00	6,077.43	7,420.06	6,494.84	106.86	67.24	132.89	-3,196.19	-2,959.94	2,247.30	2,106.90	140.40	16.007		
8,800.00	6,138.78	7,474.16	6,540.16	108.31	67.84	133.01	-3,212.99	-2,984.23	2,294.41	2,153.14	141.27	16.241		
8,900.00	6,200.13	7,531.49	6,588.59	109.76	68.46	133.15	-3,229.93	-3,009.83	2,342.80	2,200.61	142.19	16.476		
9,000.00	6,261.49	7,599.17	6,646.20	111.22	69.19	133.33	-3,249.21	-3,039.65	2,392.08	2,248.74	143.34	16.688		
9,100.00	6,322.84	7,697.97	6,730.16	112.67	70.26	133.57	-3,277.17	-3,083.57	2,441.60	2,296.30	145.31	16.803		
9,200.00	6,384.20	7,763.67	6,785.89	114.13	70.95	133.72	-3,295.82	-3,112.97	2,491.15	2,344.72	146.42	17.013		
9,300.00	6,445.55	7,801.00	6,818.05	115.58	71.35	133.82	-3,305.98	-3,128.96	2,541.72	2,394.96	146.76	17.319		
9,400.00	6,506.91	7,801.00	6,818.05	117.03	71.35	133.82	-3,305.98	-3,128.96	2,594.78	2,448.74	146.05	17.767		
9,500.00	6,568.26	7,851.14	6,860.75	118.49	71.91	133.92	-3,318.30	-3,152.13	2,648.62	2,501.87	146.75	18.049		
9,600.00	6,629.62	7,896.00	6,897.50	119.94	72.41	133.93	-3,327.39	-3,176.17	2,705.59	2,558.21	147.38	18.358		
9,700.00	6,690.97	7,896.00	6,897.50	121.40	72.41	133.93	-3,327.39	-3,176.17	2,763.51	2,617.01	146.50	18.864		
9,800.00	6,752.33	7,896.00	6,897.50	122.85	72.41	133.93	-3,327.39	-3,176.17	2,823.78	2,678.25	145.54	19.402		
9,900.00	6,813.68	7,934.21	6,927.48	124.31	72.91	133.87	-3,333.83	-3,198.96	2,885.36	2,739.31	146.05	19.756		
10,000.00	6,875.04	7,955.51	6,943.60	125.76	73.19	133.81	-3,336.98	-3,212.51	2,948.62	2,802.72	145.90	20.210		
10,100.00	6,936.39	7,992.00	6,970.15	127.22	73.67	133.68	-3,341.64	-3,237.10	3,013.51	2,867.10	146.41	20.583		
10,200.00	6,997.75	7,992.00	6,970.15	128.67	73.67	133.68	-3,341.64	-3,237.10	3,079.49	2,934.16	145.33	21.190		
10,300.00	7,059.10	8,034.92	6,999.58	130.13	74.32	133.46	-3,346.43	-3,267.97	3,146.66	3,000.39	146.27	21.513		

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 MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	7,118.86	8,087.00	7,032.53	131.62	75.10	120.78	-3,351.85	-3,307.91	3,211.97	3,064.37	147.60	21.761		
10,500.00	7,173.55	8,230.30	7,104.01	133.17	77.64	109.14	-3,370.85	-3,430.22	3,268.03	3,114.19	153.84	21.243		
10,600.00	7,221.49	8,303.32	7,129.54	134.72	79.06	100.55	-3,382.19	-3,497.66	3,313.18	3,156.80	156.38	21.187		
10,700.00	7,261.21	8,374.00	7,148.10	136.22	80.48	94.36	-3,393.17	-3,564.95	3,347.19	3,188.44	158.75	21.085		
10,800.00	7,291.51	8,374.00	7,148.10	137.61	80.48	90.33	-3,393.17	-3,564.95	3,370.04	3,213.08	156.96	21.471		
10,900.00	7,311.47	8,425.29	7,157.94	138.86	81.53	88.02	-3,400.12	-3,614.79	3,380.83	3,222.70	158.13	21.380		
11,000.00	7,320.48	8,469.00	7,163.94	139.92	82.42	87.41	-3,404.53	-3,657.86	3,380.47	3,221.60	158.87	21.278		
11,100.00	7,321.00	8,540.04	7,171.44	140.82	83.88	87.65	-3,410.95	-3,728.21	3,371.15	3,209.83	161.32	20.898		
11,200.00	7,321.00	8,564.00	7,173.76	141.74	84.37	87.69	-3,413.29	-3,751.94	3,361.77	3,200.85	160.91	20.892		
11,300.00	7,321.00	8,619.71	7,178.31	142.69	85.52	87.76	-3,417.79	-3,807.27	3,353.75	3,191.29	162.46	20.644		
11,400.00	7,321.00	8,660.00	7,180.72	143.67	86.35	87.80	-3,419.74	-3,847.44	3,348.21	3,185.17	163.04	20.536		
11,500.00	7,321.00	8,699.95	7,182.67	144.68	87.16	87.83	-3,420.98	-3,887.33	3,344.45	3,180.84	163.61	20.441		
11,600.00	7,321.00	8,755.00	7,185.13	145.73	88.29	87.88	-3,422.20	-3,942.31	3,341.97	3,176.83	165.13	20.238		
11,700.00	7,321.00	8,832.49	7,187.32	146.80	89.89	87.91	-3,423.18	-4,019.76	3,340.46	3,172.35	168.11	19.871		
11,800.00	7,321.00	8,978.65	7,186.72	147.91	92.95	87.90	-3,425.23	-4,165.90	3,339.00	3,163.50	175.50	19.026		
11,900.00	7,321.00	9,093.28	7,186.54	149.05	95.40	87.90	-3,428.39	-4,280.49	3,336.05	3,155.11	180.94	18.437		
12,000.00	7,321.00	9,175.21	7,185.67	150.22	97.17	87.88	-3,430.42	-4,362.38	3,333.45	3,149.12	184.33	18.084		
12,100.00	7,321.00	9,258.03	7,183.83	151.42	98.98	87.85	-3,432.05	-4,445.16	3,331.39	3,143.59	187.80	17.739		
12,200.00	7,321.00	9,375.13	7,182.02	152.66	101.57	87.81	-3,434.00	-4,562.23	3,329.68	3,136.15	193.54	17.204		
12,300.00	7,321.00	9,520.00	7,183.00	153.93	104.84	87.83	-3,439.27	-4,706.99	3,325.48	3,124.33	201.15	16.532		
12,400.00	7,321.00	9,615.00	7,181.11	155.22	107.00	87.79	-3,442.61	-4,801.88	3,321.88	3,116.35	205.53	16.162		
12,500.00	7,321.00	9,645.63	7,179.26	156.55	107.69	87.76	-3,443.10	-4,832.45	3,319.69	3,113.97	205.72	16.137		
12,600.00	7,321.00	9,982.41	7,170.78	157.91	115.54	87.60	-3,458.66	-5,168.51	3,315.75	3,090.03	225.73	14.689		
12,700.00	7,321.00	10,039.18	7,171.48	159.31	116.89	87.61	-3,463.66	-5,225.05	3,307.22	3,079.39	227.83	14.516		
12,800.00	7,321.00	10,093.00	7,171.87	160.73	118.17	87.62	-3,466.16	-5,278.80	3,301.57	3,071.85	229.72	14.372		
12,900.00	7,321.00	10,164.38	7,172.45	162.18	119.88	87.62	-3,469.61	-5,350.09	3,296.43	3,063.68	232.75	14.163		
13,000.00	7,321.00	10,235.96	7,173.04	163.67	121.59	87.63	-3,473.47	-5,421.55	3,291.12	3,055.32	235.80	13.957		
13,100.00	7,321.00	10,283.00	7,173.06	165.18	122.72	87.63	-3,474.55	-5,468.58	3,288.19	3,050.97	237.22	13.861		
13,200.00	7,321.00	10,413.23	7,173.43	166.73	125.85	87.63	-3,478.44	-5,598.74	3,284.99	3,040.81	244.18	13.453		
13,300.00	7,321.00	10,475.00	7,172.12	168.30	127.34	87.61	-3,479.78	-5,660.48	3,282.50	3,035.91	246.59	13.312		
13,400.00	7,321.00	10,534.38	7,169.95	169.90	128.77	87.57	-3,480.40	-5,719.81	3,281.19	3,032.37	248.82	13.187		
13,471.66	7,321.00	10,571.00	7,168.55	171.07	129.65	87.55	-3,480.79	-5,756.41	3,280.61	3,030.61	250.00	13.122		
13,500.00	7,321.00	10,571.00	7,168.55	171.53	129.65	87.55	-3,480.79	-5,756.41	3,280.73	3,031.26	249.47	13.151		
13,600.00	7,321.00	10,632.60	7,165.95	173.19	131.13	87.50	-3,480.51	-5,817.95	3,281.57	3,029.77	251.80	13.032		
13,700.00	7,321.00	10,717.72	7,161.78	174.88	133.18	87.43	-3,477.99	-5,902.92	3,284.48	3,028.74	255.75	12.843		
13,800.00	7,321.00	10,825.16	7,156.53	176.59	135.77	87.34	-3,476.01	-6,010.22	3,286.34	3,025.08	261.26	12.579		
13,900.00	7,321.00	10,928.99	7,153.19	178.33	138.29	87.28	-3,473.46	-6,113.96	3,288.80	3,022.23	266.56	12.338		
14,000.00	7,321.00	11,046.34	7,152.73	180.09	141.16	87.28	-3,471.12	-6,231.29	3,290.64	3,017.78	272.85	12.060		
14,100.00	7,321.00	11,131.06	7,151.55	181.88	143.24	87.26	-3,469.47	-6,315.98	3,292.48	3,015.61	276.88	11.891		
14,200.00	7,321.00	11,260.36	7,150.64	183.70	146.44	87.24	-3,467.19	-6,445.25	3,294.11	3,010.09	284.02	11.598		
14,300.00	7,321.00	11,335.00	7,151.03	185.54	148.29	87.25	-3,466.10	-6,519.88	3,295.46	3,008.07	287.39	11.467		
14,400.00	7,321.00	11,380.45	7,151.04	187.40	149.42	87.25	-3,464.90	-6,565.31	3,298.11	3,009.42	288.69	11.425		
14,500.00	7,321.00	11,477.25	7,150.53	189.29	151.81	87.25	-3,460.57	-6,662.01	3,302.42	3,008.81	293.61	11.248		
14,600.00	7,321.00	11,840.39	7,151.40	191.20	160.95	87.26	-3,458.91	-7,024.96	3,304.14	2,987.46	316.68	10.434		
14,700.00	7,321.00	11,922.12	7,151.58	193.13	163.04	87.26	-3,461.98	-7,106.63	3,300.20	2,979.55	320.65	10.292		
14,800.00	7,321.00	12,004.00	7,151.44	195.08	165.13	87.26	-3,464.85	-7,188.46	3,296.59	2,971.95	324.64	10.155		
14,900.00	7,321.00	12,083.02	7,151.12	197.05	167.15	87.25	-3,467.16	-7,267.44	3,293.57	2,965.14	328.43	10.028		
15,000.00	7,321.00	12,188.81	7,149.89	199.04	169.86	87.23	-3,469.67	-7,373.20	3,291.10	2,957.11	333.99	9.854		
15,100.00	7,321.00	12,310.07	7,147.26	201.06	172.97	87.18	-3,473.54	-7,494.37	3,287.80	2,947.24	340.56	9.654		
15,200.00	7,321.00	12,385.00	7,147.10	203.09	174.90	87.17	-3,475.41	-7,569.27	3,285.08	2,940.98	344.11	9.547		
15,300.00	7,321.00	12,480.00	7,147.81	205.14	177.35	87.18	-3,477.65	-7,664.24	3,282.53	2,933.53	349.00	9.406		
15,400.00	7,321.00	12,533.87	7,148.66	207.21	178.73	87.20	-3,478.65	-7,718.10	3,280.60	2,929.47	351.13	9.343		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 36-T7N-R67W - ICE MAN 2W-15-4N - ORIGINAL WELLBORE - WB #1 - PATT 901		Offset Site Error:		0.00 usft	
Survey Program:		130-MWD OWSG											Offset Well Error:		0.00 usft			
Reference		Offset		Semi Major Axis		Distance								Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor						
15,474.44	7,321.00	12,575.00	7,150.38	208.76	179.79	87.23	-3,478.58	-7,759.18	3,280.35	2,927.59	352.77	9.299						
15,500.00	7,321.00	12,575.00	7,150.38	209.29	179.79	87.23	-3,478.58	-7,759.18	3,280.45	2,928.12	352.34	9.311						
15,600.00	7,321.00	12,659.80	7,154.93	211.39	181.97	87.31	-3,477.42	-7,843.86	3,281.41	2,924.85	356.56	9.203						
15,700.00	7,321.00	12,747.76	7,159.97	213.51	184.23	87.40	-3,475.77	-7,931.65	3,282.85	2,921.84	361.01	9.093						
15,800.00	7,321.00	12,840.50	7,163.96	215.65	186.62	87.47	-3,473.83	-8,024.27	3,284.59	2,918.80	365.80	8.979						
15,900.00	7,321.00	12,946.94	7,163.94	217.80	189.36	87.47	-3,471.75	-8,130.70	3,286.38	2,914.87	371.51	8.846						
16,000.00	7,321.00	13,051.00	7,162.68	219.96	192.05	87.45	-3,470.08	-8,234.73	3,287.88	2,910.83	377.05	8.720						
16,100.00	7,321.00	13,113.59	7,161.30	222.14	193.66	87.43	-3,468.78	-8,297.30	3,289.91	2,910.25	379.66	8.665						
16,200.00	7,321.00	13,337.00	7,160.42	224.34	199.46	87.41	-3,468.05	-8,520.63	3,289.34	2,895.88	393.47	8.360						
16,300.00	7,321.00	13,433.32	7,163.52	226.55	201.98	87.46	-3,468.62	-8,616.89	3,288.44	2,889.91	398.53	8.251						
16,400.00	7,321.00	13,679.81	7,165.12	228.77	208.43	87.49	-3,475.82	-8,863.18	3,285.47	2,872.15	413.32	7.949						
16,500.00	7,321.00	13,783.95	7,162.71	231.00	211.16	87.44	-3,481.75	-8,967.13	3,279.71	2,860.89	418.82	7.831						
16,600.00	7,321.00	13,910.00	7,159.64	233.25	214.47	87.38	-3,489.69	-9,092.89	3,273.25	2,847.59	425.66	7.690						
16,700.00	7,321.00	14,005.00	7,158.11	235.51	216.97	87.35	-3,495.61	-9,187.69	3,266.93	2,836.32	430.61	7.587						
16,800.00	7,321.00	14,005.00	7,158.11	237.78	216.97	87.35	-3,495.61	-9,187.69	3,262.25	2,832.68	429.57	7.594						
16,900.00	7,321.00	14,100.00	7,156.78	240.06	219.47	87.32	-3,498.40	-9,282.63	3,259.22	2,824.70	434.53	7.501						
17,000.00	7,321.00	14,123.60	7,156.35	242.35	220.09	87.31	-3,498.61	-9,306.23	3,257.59	2,822.87	434.72	7.494						
17,045.17	7,321.00	14,147.32	7,155.94	243.39	220.71	87.31	-3,498.67	-9,329.95	3,257.44	2,821.80	435.64	7.477						
17,100.00	7,321.00	14,196.00	7,155.20	244.66	221.99	87.29	-3,498.30	-9,378.62	3,257.78	2,819.66	438.12	7.436						
17,200.00	7,321.00	14,310.24	7,153.39	246.97	224.98	87.26	-3,497.85	-9,492.84	3,258.12	2,813.73	444.39	7.332						
17,228.01	7,321.00	14,330.19	7,152.94	247.62	225.51	87.25	-3,497.87	-9,512.78	3,258.09	2,812.76	445.32	7.316						
17,300.00	7,321.00	14,386.00	7,151.24	249.29	226.97	87.22	-3,497.66	-9,568.57	3,258.32	2,810.31	448.01	7.273						
17,400.00	7,321.00	14,531.94	7,146.53	251.63	230.81	87.14	-3,498.38	-9,714.42	3,257.69	2,801.28	456.42	7.138						
17,500.00	7,321.00	14,661.60	7,141.36	253.97	234.23	87.05	-3,500.34	-9,843.96	3,256.19	2,792.54	463.65	7.023						
17,600.00	7,321.00	14,749.55	7,137.58	256.32	236.54	86.98	-3,502.27	-9,931.81	3,254.12	2,786.00	468.11	6.952						
17,700.00	7,321.00	14,905.27	7,129.89	258.68	240.65	86.84	-3,506.40	-10,087.28	3,251.42	2,774.43	476.99	6.817						
17,800.00	7,321.00	14,980.22	7,125.23	261.05	242.63	86.76	-3,508.54	-10,162.05	3,248.72	2,768.12	480.61	6.760						
17,900.00	7,321.00	15,088.82	7,115.55	263.43	245.48	86.58	-3,511.47	-10,270.17	3,246.40	2,760.07	486.33	6.675						
18,000.00	7,321.00	15,245.00	7,101.08	265.81	249.59	86.32	-3,518.11	-10,425.53	3,242.34	2,747.33	495.01	6.550						
18,100.00	7,321.00	15,293.64	7,096.87	268.21	250.87	86.24	-3,520.30	-10,473.94	3,238.52	2,741.56	496.96	6.517						
18,200.00	7,321.00	15,340.00	7,092.60	270.61	252.09	86.17	-3,521.18	-10,520.09	3,236.81	2,738.17	498.64	6.491						
18,300.00	7,321.00	15,474.20	7,081.40	273.02	255.63	85.96	-3,523.88	-10,653.79	3,235.21	2,729.16	506.05	6.393						
18,400.00	7,321.00	15,557.42	7,074.07	275.43	257.82	85.83	-3,525.75	-10,736.67	3,233.42	2,723.29	510.13	6.338						
18,500.00	7,321.00	15,658.12	7,064.70	277.86	260.47	85.66	-3,527.90	-10,836.90	3,231.80	2,716.47	515.33	6.271						
18,566.89	7,321.00	15,673.00	7,063.31	279.48	260.87	85.64	-3,528.23	-10,851.72	3,231.14	2,715.82	515.32	6.270						
18,600.00	7,321.00	15,673.00	7,063.31	280.28	260.87	85.64	-3,528.23	-10,851.72	3,231.31	2,716.55	514.76	6.277						
18,700.00	7,321.00	15,673.00	7,063.31	282.72	260.87	85.64	-3,528.23	-10,851.72	3,233.88	2,721.10	512.78	6.307						
18,800.00	7,321.00	15,673.00	7,063.31	285.16	260.87	85.64	-3,528.23	-10,851.72	3,239.54	2,729.19	510.35	6.348						
18,900.00	7,321.00	15,673.00	7,063.31	287.61	260.87	85.64	-3,528.23	-10,851.72	3,248.27	2,740.78	507.49	6.401						
19,000.00	7,321.00	15,673.00	7,063.31	290.06	260.87	85.64	-3,528.23	-10,851.72	3,260.04	2,755.83	504.21	6.466						
19,100.00	7,321.00	15,673.00	7,063.31	292.52	260.87	85.64	-3,528.23	-10,851.72	3,274.83	2,774.30	500.53	6.543						
19,200.00	7,321.00	15,673.00	7,063.31	294.99	260.87	85.64	-3,528.23	-10,851.72	3,292.58	2,796.12	496.47	6.632						
19,300.00	7,321.00	15,673.00	7,063.31	297.46	260.87	85.64	-3,528.23	-10,851.72	3,313.26	2,821.21	492.05	6.734						
19,400.00	7,321.00	15,673.00	7,063.31	299.94	260.87	85.64	-3,528.23	-10,851.72	3,336.82	2,849.51	487.31	6.847						
19,500.00	7,321.00	15,673.00	7,063.31	302.42	260.87	85.64	-3,528.23	-10,851.72	3,363.18	2,880.91	482.27	6.974						
19,600.00	7,321.00	15,673.00	7,063.31	304.90	260.87	85.64	-3,528.23	-10,851.72	3,392.28	2,915.33	476.96	7.112						
19,700.00	7,321.00	15,673.00	7,063.31	307.40	260.87	85.64	-3,528.23	-10,851.72	3,424.06	2,952.66	471.40	7.264						
19,800.00	7,321.00	15,673.00	7,063.31	309.89	260.87	85.64	-3,528.23	-10,851.72	3,458.44	2,992.80	465.64	7.427						
19,900.00	7,321.00	15,673.00	7,063.31	312.39	260.87	85.64	-3,528.23	-10,851.72	3,495.35	3,035.65	459.69	7.604						
20,000.00	7,321.00	15,673.00	7,063.31	314.90	260.87	85.64	-3,528.23	-10,851.72	3,534.70	3,081.10	453.59	7.793						
20,100.00	7,321.00	15,673.00	7,063.31	317.41	260.87	85.64	-3,528.23	-10,851.72	3,576.41	3,129.04	447.37	7.994						
20,200.00	7,321.00	15,673.00	7,063.31	319.92	260.87	85.64	-3,528.23	-10,851.72	3,620.40	3,179.36	441.04	8.209						

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
20,300.00	7,321.00	15,673.00	7,063.31	322.44	260.87	85.64	-3,528.23	-10,851.72	3,666.60	3,231.96	434.64	8.436	
20,400.00	7,321.00	15,673.00	7,063.31	324.96	260.87	85.64	-3,528.23	-10,851.72	3,714.91	3,286.72	428.19	8.676	
20,500.00	7,321.00	15,673.00	7,063.31	327.49	260.87	85.64	-3,528.23	-10,851.72	3,765.26	3,343.54	421.72	8.928	
20,600.00	7,321.00	15,673.00	7,063.31	330.02	260.87	85.64	-3,528.23	-10,851.72	3,817.56	3,402.33	415.23	9.194	
20,700.00	7,321.00	15,673.00	7,063.31	332.55	260.87	85.64	-3,528.23	-10,851.72	3,871.75	3,462.99	408.76	9.472	
20,800.00	7,321.00	15,673.00	7,063.31	335.09	260.87	85.64	-3,528.23	-10,851.72	3,927.73	3,525.42	402.31	9.763	
20,900.00	7,321.00	15,673.00	7,063.31	337.63	260.87	85.64	-3,528.23	-10,851.72	3,985.43	3,589.52	395.91	10.067	
21,000.00	7,321.00	15,673.00	7,063.31	340.17	260.87	85.64	-3,528.23	-10,851.72	4,044.79	3,655.22	389.56	10.383	
21,100.00	7,321.00	15,673.00	7,063.31	342.72	260.87	85.64	-3,528.23	-10,851.72	4,105.72	3,722.44	383.28	10.712	
21,200.00	7,321.00	15,673.00	7,063.31	345.27	260.87	85.64	-3,528.23	-10,851.72	4,168.16	3,791.08	377.08	11.054	
21,300.00	7,321.00	15,673.00	7,063.31	347.82	260.87	85.64	-3,528.23	-10,851.72	4,232.04	3,861.07	370.97	11.408	
21,400.00	7,321.00	15,673.00	7,063.31	350.38	260.87	85.64	-3,528.23	-10,851.72	4,297.30	3,932.35	364.95	11.775	
21,500.00	7,321.00	15,673.00	7,063.31	352.94	260.87	85.64	-3,528.23	-10,851.72	4,363.87	4,004.84	359.04	12.154	
21,600.00	7,321.00	15,673.00	7,063.31	355.50	260.87	85.64	-3,528.23	-10,851.72	4,431.71	4,078.48	353.23	12.546	
21,700.00	7,321.00	15,673.00	7,063.31	358.07	260.87	85.64	-3,528.23	-10,851.72	4,500.74	4,153.20	347.53	12.950	
21,746.26	7,321.00	15,673.00	7,063.31	359.25	260.87	85.64	-3,528.23	-10,851.72	4,533.06	4,188.12	344.94	13.142	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	102.97	102.97	0.27	0.15	-169.12	-1,390.88	-267.24	1,416.40	1,415.99	0.41	3,421.833		
200.00	200.00	200.57	200.55	0.63	0.44	-169.17	-1,390.03	-265.82	1,415.27	1,414.21	1.06	1,331.603		
300.00	299.98	287.22	287.20	0.97	0.74	-12.45	-1,389.66	-265.54	1,413.10	1,411.39	1.71	826.688		
400.00	399.84	387.80	387.77	1.32	1.08	-12.47	-1,389.71	-266.63	1,408.24	1,405.84	2.40	586.278		
500.00	499.45	487.78	487.74	1.68	1.43	-12.53	-1,389.36	-267.94	1,399.63	1,396.52	3.11	450.352		
600.00	598.70	573.79	573.75	2.07	1.73	-12.64	-1,389.50	-268.84	1,388.10	1,384.33	3.77	368.029		
700.00	697.47	654.05	653.98	2.48	2.02	-12.74	-1,390.41	-270.80	1,374.39	1,369.97	4.42	310.874		
800.00	795.62	735.25	735.09	2.93	2.31	-12.84	-1,392.29	-273.97	1,358.71	1,353.63	5.08	267.395		
900.00	893.06	817.76	817.46	3.41	2.60	-12.96	-1,394.98	-277.97	1,340.79	1,335.03	5.76	232.964		
1,000.00	899.64	891.00	890.48	3.93	2.87	-13.06	-1,398.19	-282.61	1,320.92	1,314.51	6.40	206.257		
1,100.00	1,085.27	959.16	958.30	4.50	3.13	-13.16	-1,402.41	-287.99	1,299.75	1,292.70	7.05	184.468		
1,200.00	1,179.82	1,030.12	1,028.68	5.11	3.40	-13.25	-1,408.38	-294.69	1,277.60	1,269.89	7.71	165.700		
1,300.00	1,273.17	1,106.58	1,104.27	5.77	3.70	-13.32	-1,415.88	-303.42	1,253.87	1,245.46	8.41	149.097		
1,400.00	1,365.21	1,176.00	1,172.73	6.48	3.99	-13.40	-1,423.55	-312.01	1,228.35	1,219.26	9.09	135.059		
1,500.00	1,455.84	1,253.03	1,248.33	7.23	4.32	-13.45	-1,433.21	-323.14	1,201.35	1,191.52	9.83	122.195		
1,600.00	1,544.94	1,327.19	1,320.57	8.04	4.66	-13.44	-1,443.75	-336.15	1,173.16	1,162.59	10.57	110.947		
1,700.00	1,632.39	1,398.16	1,389.29	8.90	5.01	-13.39	-1,454.75	-350.10	1,143.45	1,132.12	11.32	100.974		
1,800.00	1,718.11	1,462.00	1,450.52	9.81	5.34	-13.31	-1,465.88	-364.28	1,112.89	1,100.83	12.06	92.305		
1,900.00	1,801.97	1,539.08	1,523.83	10.77	5.77	-13.14	-1,480.63	-382.99	1,081.20	1,068.32	12.88	83.970		
2,000.00	1,883.88	1,620.78	1,600.88	11.78	6.25	-12.89	-1,497.31	-404.38	1,047.93	1,034.20	13.74	76.283		
2,100.00	1,963.74	1,699.02	1,674.51	12.84	6.73	-12.66	-1,513.74	-425.13	1,012.26	997.66	14.60	69.339		
2,200.00	2,041.45	1,762.00	1,733.26	13.95	7.13	-12.50	-1,528.26	-442.57	975.69	960.29	15.39	63.391		
2,300.00	2,116.92	1,837.75	1,803.03	15.10	7.65	-12.18	-1,547.00	-465.35	938.18	921.91	16.27	57.652		
2,400.00	2,190.05	1,909.90	1,868.48	16.31	8.19	-11.74	-1,565.69	-489.24	899.55	882.41	17.15	52.465		
2,500.00	2,260.76	1,985.16	1,935.84	17.56	8.77	-11.15	-1,586.22	-515.81	859.82	841.78	18.04	47.656		
2,600.00	2,328.95	2,062.78	2,004.55	18.85	9.41	-10.41	-1,607.91	-544.68	818.43	799.48	18.96	43.177		
2,700.00	2,394.55	2,131.65	2,064.59	20.19	10.01	-9.61	-1,628.08	-571.71	776.11	756.30	19.81	39.176		
2,800.00	2,457.48	2,198.97	2,122.09	21.57	10.65	-8.63	-1,648.82	-599.91	733.40	712.75	20.65	35.520		
2,900.00	2,518.85	2,282.10	2,191.40	22.98	11.46	-6.90	-1,675.26	-637.42	691.60	670.04	21.56	32.085		
3,000.00	2,580.20	2,368.81	2,264.28	24.39	12.33	-4.93	-1,702.39	-675.77	649.67	627.20	22.47	28.911		
3,100.00	2,641.56	2,443.25	2,326.12	25.81	13.09	-3.10	-1,727.47	-708.75	610.63	587.35	23.28	26.235		
3,200.00	2,702.91	2,544.42	2,411.00	27.23	14.14	-0.42	-1,761.18	-752.26	571.47	547.17	24.29	23.526		
3,300.00	2,764.27	2,620.00	2,473.71	28.65	14.93	1.82	-1,787.65	-785.10	535.03	509.92	25.11	21.308		
3,400.00	2,825.62	2,720.29	2,557.00	30.08	15.99	5.04	-1,823.57	-827.88	500.24	474.02	26.22	19.080		
3,500.00	2,886.98	2,789.21	2,614.10	31.51	16.73	7.47	-1,848.78	-857.06	467.13	440.04	27.09	17.244		
3,600.00	2,948.33	2,875.75	2,684.38	32.95	17.68	10.87	-1,882.24	-894.90	438.40	410.07	28.33	15.477		
3,700.00	3,009.68	2,974.69	2,765.12	34.38	18.77	15.15	-1,920.49	-937.40	411.07	381.02	30.06	13.677		
3,800.00	3,071.04	3,066.00	2,840.44	35.82	19.77	19.59	-1,955.09	-975.70	384.61	352.52	32.09	11.984		
3,900.00	3,132.39	3,167.14	2,924.05	37.25	20.87	25.60	-1,990.96	-1,019.87	360.82	325.74	35.08	10.284		
4,000.00	3,193.75	3,254.32	2,997.39	38.69	21.81	31.45	-2,020.51	-1,056.59	338.56	299.97	38.59	8.773		
4,100.00	3,255.10	3,343.60	3,071.78	40.13	22.77	38.22	-2,050.33	-1,095.92	322.68	279.55	43.13	7.481		
4,200.00	3,316.46	3,430.39	3,144.53	41.58	23.71	45.28	-2,078.97	-1,133.59	311.88	263.50	48.38	6.447		
4,300.00	3,377.81	3,519.38	3,218.38	43.02	24.68	52.82	-2,108.27	-1,173.67	309.21	255.05	54.15	5.710 CC		
4,304.45	3,380.54	3,523.94	3,222.20	43.08	24.73	53.21	-2,109.74	-1,175.69	309.21	254.76	54.44	5.679		
4,400.00	3,439.17	3,610.84	3,295.73	44.46	25.67	60.84	-2,136.82	-1,213.26	311.46	251.36	60.10	5.182 ES		
4,500.00	3,500.52	3,695.37	3,366.53	45.91	26.58	67.96	-2,163.40	-1,251.03	322.12	256.96	65.16	4.944		
4,600.00	3,561.88	3,791.79	3,448.34	47.35	27.61	75.74	-2,193.09	-1,292.51	337.71	267.66	70.06	4.821 SF		
4,700.00	3,623.23	3,880.62	3,523.71	48.80	28.54	82.18	-2,221.43	-1,330.01	358.02	284.31	73.71	4.857		
4,800.00	3,684.59	3,965.38	3,594.79	50.24	29.46	87.52	-2,249.48	-1,366.68	383.33	306.86	76.47	5.013		
4,900.00	3,745.94	4,045.79	3,660.89	51.69	30.38	91.75	-2,276.83	-1,403.40	413.55	335.02	78.53	5.266		
5,000.00	3,807.30	4,137.01	3,734.32	53.14	31.46	95.63	-2,309.01	-1,446.90	447.01	366.15	80.87	5.528		
5,100.00	3,868.65	4,227.15	3,806.14	54.58	32.55	98.80	-2,341.87	-1,490.35	481.81	398.81	82.99	5.805		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	3,930.01	4,323.52	3,882.46	56.03	33.72	101.64	-2,377.77	-1,536.97	517.43	432.11	85.31	6.065		
5,300.00	3,991.36	4,424.13	3,961.73	57.48	34.96	104.13	-2,416.85	-1,585.06	552.55	464.81	87.74	6.298		
5,400.00	4,052.72	4,524.30	4,041.48	58.93	36.16	106.44	-2,456.29	-1,631.07	586.87	496.88	89.99	6.521		
5,500.00	4,114.07	4,619.90	4,120.49	60.38	37.22	108.87	-2,492.09	-1,671.20	620.96	529.17	91.79	6.765		
5,600.00	4,175.43	4,700.48	4,189.01	61.83	38.06	111.03	-2,520.24	-1,702.90	656.36	563.49	92.86	7.068		
5,700.00	4,236.78	4,794.51	4,268.95	63.28	39.05	113.32	-2,552.55	-1,740.40	693.45	599.13	94.33	7.352		
5,800.00	4,298.14	4,881.20	4,341.02	64.73	40.01	114.97	-2,584.13	-1,776.79	730.76	635.06	95.70	7.636		
5,900.00	4,359.49	4,976.48	4,418.36	66.18	41.11	116.35	-2,619.88	-1,819.42	768.98	671.48	97.50	7.887		
6,000.00	4,420.85	5,056.26	4,483.51	67.63	42.04	117.46	-2,649.77	-1,854.44	807.24	708.46	98.78	8.172		
6,100.00	4,482.20	5,132.85	4,545.27	69.08	42.93	118.32	-2,677.53	-1,890.23	847.88	747.86	100.01	8.478		
6,200.00	4,543.55	5,235.19	4,629.53	70.53	44.10	119.58	-2,713.46	-1,935.85	888.88	786.87	102.02	8.713		
6,300.00	4,604.91	5,332.10	4,711.61	71.98	45.13	120.97	-2,747.52	-1,974.49	928.26	824.70	103.56	8.963		
6,400.00	4,666.26	5,390.00	4,761.09	73.44	45.73	121.79	-2,767.05	-1,997.34	969.34	865.43	103.91	9.328		
6,500.00	4,727.62	5,458.33	4,818.96	74.89	46.47	122.60	-2,789.00	-2,026.29	1,013.01	908.36	104.65	9.680		
6,600.00	4,788.97	5,531.22	4,879.59	76.34	47.27	123.27	-2,811.28	-2,060.04	1,059.29	953.62	105.67	10.025		
6,700.00	4,850.33	5,622.98	4,956.31	77.79	48.31	124.08	-2,838.96	-2,102.10	1,105.96	998.58	107.38	10.300		
6,800.00	4,911.68	5,720.59	5,035.56	79.24	49.45	124.65	-2,870.25	-2,149.70	1,152.07	1,042.58	109.49	10.522		
6,900.00	4,973.04	5,824.54	5,121.80	80.70	50.63	125.38	-2,903.42	-2,197.30	1,197.53	1,085.89	111.64	10.727		
7,000.00	5,034.39	5,921.24	5,203.34	82.15	51.66	126.16	-2,934.75	-2,238.76	1,241.81	1,128.44	113.37	10.954		
7,100.00	5,095.75	6,002.23	5,273.27	83.60	52.50	126.92	-2,960.01	-2,270.86	1,286.38	1,171.91	114.47	11.238		
7,200.00	5,157.10	6,069.51	5,332.23	85.05	53.15	127.59	-2,979.85	-2,296.49	1,332.18	1,217.09	115.09	11.575		
7,300.00	5,218.46	6,226.36	5,468.60	86.51	54.71	128.97	-3,028.72	-2,356.54	1,377.00	1,258.93	118.07	11.662		
7,400.00	5,279.81	6,329.85	5,556.19	87.96	55.81	129.65	-3,065.37	-2,397.70	1,418.44	1,298.57	119.86	11.834		
7,500.00	5,341.17	6,415.90	5,627.54	89.41	56.75	130.05	-3,096.35	-2,434.50	1,460.25	1,338.87	121.38	12.030		
7,600.00	5,402.52	6,495.00	5,694.39	90.87	57.60	130.51	-3,124.15	-2,466.35	1,502.34	1,379.72	122.61	12.253		
7,700.00	5,463.88	6,561.00	5,750.56	92.32	58.29	130.88	-3,146.41	-2,492.90	1,545.75	1,422.27	123.48	12.518		
7,800.00	5,525.23	6,618.76	5,799.93	93.77	58.89	131.20	-3,164.95	-2,516.45	1,590.81	1,466.69	124.11	12.817		
7,900.00	5,586.59	6,687.05	5,858.59	95.23	59.60	131.57	-3,185.71	-2,544.59	1,637.50	1,512.48	125.02	13.098		
8,000.00	5,647.94	6,774.32	5,932.94	96.68	60.53	131.97	-3,212.22	-2,581.79	1,684.62	1,558.09	126.53	13.314		
8,100.00	5,709.30	6,888.68	6,027.74	98.13	61.82	132.27	-3,248.15	-2,634.69	1,731.71	1,602.66	129.05	13.419		
8,200.00	5,770.65	7,011.27	6,129.03	99.59	63.20	132.59	-3,289.80	-2,689.71	1,775.94	1,644.22	131.73	13.482		
8,300.00	5,832.01	7,119.38	6,222.73	101.04	64.28	133.18	-3,325.49	-2,730.07	1,819.85	1,686.39	133.46	13.636		
8,400.00	5,893.36	7,282.71	6,362.87	102.49	65.93	134.01	-3,384.69	-2,789.20	1,860.05	1,723.77	136.28	13.649		
8,500.00	5,954.72	7,324.00	6,397.28	103.95	66.37	134.15	-3,400.36	-2,805.80	1,900.68	1,763.90	136.77	13.897		
8,600.00	6,016.07	7,389.99	6,452.22	105.40	67.10	134.33	-3,424.34	-2,833.39	1,942.83	1,804.98	137.85	14.094		
8,700.00	6,077.43	7,441.81	6,495.48	106.86	67.67	134.45	-3,441.90	-2,855.88	1,987.22	1,848.66	138.57	14.341		
8,800.00	6,138.78	7,515.00	6,556.88	108.31	68.48	134.63	-3,465.70	-2,887.81	2,032.93	1,893.10	139.83	14.538		
8,900.00	6,200.13	7,637.49	6,657.31	109.76	69.90	134.78	-3,506.94	-2,944.49	2,078.06	1,935.45	142.61	14.572		
9,000.00	6,261.49	7,706.00	6,712.34	111.22	70.73	134.81	-3,530.66	-2,977.68	2,122.69	1,978.70	143.99	14.742		
9,100.00	6,322.84	7,779.27	6,772.68	112.67	71.56	134.90	-3,555.11	-3,011.24	2,168.08	2,022.72	145.36	14.915		
9,200.00	6,384.20	7,850.72	6,833.60	114.13	72.33	135.11	-3,577.63	-3,041.01	2,214.48	2,067.96	146.52	15.114		
9,300.00	6,445.55	7,918.32	6,890.83	115.58	73.06	135.26	-3,598.71	-3,070.18	2,261.46	2,113.85	147.61	15.320		
9,400.00	6,506.91	7,971.52	6,935.20	117.03	73.66	135.34	-3,614.84	-3,094.69	2,309.62	2,161.22	148.40	15.563		
9,500.00	6,568.26	7,993.00	6,952.92	118.49	73.90	135.35	-3,621.20	-3,105.04	2,359.43	2,211.19	148.24	15.916		
9,600.00	6,629.62	8,058.22	7,005.43	119.94	74.70	135.33	-3,639.68	-3,138.98	2,410.32	2,260.73	149.58	16.113		
9,700.00	6,690.97	8,088.00	7,028.62	121.40	75.07	135.27	-3,647.66	-3,155.89	2,463.13	2,313.38	149.74	16.449		
9,800.00	6,752.33	8,144.04	7,069.99	122.85	75.87	135.07	-3,662.10	-3,190.77	2,517.25	2,366.16	151.09	16.661		
9,900.00	6,813.68	8,195.40	7,104.65	124.31	76.62	134.76	-3,674.81	-3,226.45	2,572.76	2,420.37	152.40	16.882		
10,000.00	6,875.04	8,279.00	7,156.44	125.76	77.96	134.12	-3,696.19	-3,288.48	2,628.19	2,472.76	155.43	16.909		
10,100.00	6,936.39	8,338.30	7,189.42	127.22	78.99	133.57	-3,711.46	-3,335.31	2,684.25	2,526.78	157.47	17.046		
10,200.00	6,997.75	8,374.00	7,207.31	128.67	79.62	133.18	-3,720.20	-3,364.93	2,741.83	2,583.52	158.30	17.320		
10,300.00	7,059.10	8,422.04	7,229.29	130.13	80.51	132.62	-3,731.54	-3,406.11	2,800.69	2,640.81	159.88	17.518		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 36-T7N-R67W - ICE MAN 2W-15-5C - ORIGINAL WELLBORE - WB #1 - PATT 901		Offset Site Error:		0.00 usft	
Survey Program:		130-MWD OWSG											Offset Well Error:		0.00 usft			
Reference		Offset		Semi Major Axis			Distance							Warning				
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						
10,400.00	7,118.86	8,470.00	7,249.04	131.62	81.40	120.89	-3,742.45	-3,448.43	2,857.57	2,696.23	161.34	17.712						
10,500.00	7,173.55	8,470.00	7,249.04	133.17	81.40	110.55	-3,742.45	-3,448.43	2,907.23	2,747.50	159.73	18.201						
10,600.00	7,221.49	8,520.39	7,267.18	134.72	82.37	102.33	-3,752.80	-3,494.27	2,947.71	2,786.84	160.86	18.324						
10,700.00	7,261.21	8,565.00	7,280.75	136.22	83.22	96.39	-3,760.43	-3,536.07	2,979.07	2,817.58	161.49	18.447						
10,800.00	7,291.51	8,592.03	7,287.71	137.61	83.75	92.44	-3,764.56	-3,561.86	2,999.67	2,838.74	160.93	18.640						
10,900.00	7,311.47	8,661.00	7,300.42	138.86	85.11	90.25	-3,774.70	-3,628.85	3,008.63	2,845.66	162.97	18.462						
11,000.00	7,320.48	8,694.38	7,304.82	139.92	85.77	89.76	-3,779.12	-3,661.64	3,005.76	2,843.02	162.74	18.469						
11,100.00	7,321.00	8,756.00	7,313.03	140.82	86.99	90.08	-3,785.52	-3,722.37	2,995.25	2,830.85	164.40	18.219						
11,200.00	7,321.00	8,756.00	7,313.03	141.74	86.99	90.08	-3,785.52	-3,722.37	2,985.65	2,823.69	161.96	18.435						
11,300.00	7,321.00	8,827.16	7,320.47	142.69	88.38	90.22	-3,790.99	-3,792.92	2,977.90	2,813.64	164.26	18.129						
11,400.00	7,321.00	8,851.00	7,322.00	143.67	88.85	90.25	-3,792.55	-3,816.66	2,971.97	2,808.62	163.35	18.194						
11,500.00	7,321.00	8,909.86	7,324.93	144.68	90.00	90.31	-3,795.23	-3,875.38	2,967.66	2,802.85	164.81	18.006						
11,600.00	7,321.00	8,947.00	7,326.49	145.73	90.73	90.34	-3,795.92	-3,912.48	2,965.68	2,800.90	164.78	17.998						
11,700.00	7,321.00	9,023.70	7,328.82	146.80	92.22	90.38	-3,796.21	-3,989.14	2,965.15	2,797.64	167.51	17.701						
11,800.00	7,321.00	9,195.53	7,328.39	147.91	95.64	90.37	-3,797.84	-4,160.95	2,964.20	2,787.26	176.94	16.753						
11,900.00	7,321.00	9,333.57	7,325.35	149.05	98.48	90.32	-3,802.21	-4,298.88	2,960.80	2,776.76	184.05	16.087						
12,000.00	7,321.00	9,380.10	7,324.12	150.22	99.45	90.29	-3,803.44	-4,345.37	2,957.92	2,773.12	184.80	16.006						
12,100.00	7,321.00	9,424.00	7,323.07	151.42	100.36	90.27	-3,803.92	-4,389.26	2,956.75	2,771.40	185.35	15.952						
12,104.45	7,321.00	9,424.00	7,323.07	151.48	100.36	90.27	-3,803.92	-4,389.26	2,956.75	2,771.52	185.23	15.962						
12,200.00	7,321.00	9,469.25	7,322.50	152.66	101.30	90.26	-3,803.57	-4,434.50	2,957.46	2,771.47	185.99	15.901						
12,300.00	7,321.00	9,520.00	7,322.94	153.93	102.35	90.27	-3,801.99	-4,485.23	2,960.22	2,773.20	187.02	15.828						
12,400.00	7,321.00	9,671.31	7,326.50	155.22	105.52	90.34	-3,797.13	-4,636.41	2,963.55	2,768.08	195.48	15.161						
12,500.00	7,321.00	9,926.64	7,332.98	156.55	111.13	90.46	-3,800.57	-4,891.59	2,961.24	2,749.78	211.46	14.004						
12,600.00	7,321.00	9,998.00	7,335.02	157.91	112.74	90.50	-3,802.52	-4,962.89	2,958.30	2,744.10	214.20	13.811						
12,700.00	7,321.00	10,042.83	7,335.94	159.31	113.75	90.52	-3,803.11	-5,007.71	2,956.71	2,741.69	215.02	13.751						
12,746.70	7,321.00	10,067.09	7,336.16	159.97	114.29	90.53	-3,803.17	-5,031.97	2,956.54	2,740.90	215.64	13.711						
12,800.00	7,321.00	10,099.24	7,336.14	160.73	115.01	90.53	-3,802.96	-5,064.11	2,956.76	2,740.11	216.66	13.647						
12,900.00	7,321.00	10,327.59	7,336.57	162.18	120.22	90.53	-3,805.33	-5,292.41	2,955.89	2,725.06	230.83	12.805						
13,000.00	7,321.00	10,579.81	7,339.10	163.67	126.18	90.59	-3,821.90	-5,544.02	2,948.36	2,701.96	246.40	11.966						
13,100.00	7,321.00	10,615.35	7,339.13	165.18	127.03	90.59	-3,824.48	-5,579.46	2,940.77	2,693.91	246.86	11.913						
13,200.00	7,321.00	10,667.00	7,339.80	166.73	128.26	90.60	-3,827.17	-5,631.03	2,935.21	2,686.83	248.38	11.817						
13,300.00	7,321.00	10,700.77	7,340.38	168.30	129.06	90.61	-3,828.26	-5,664.78	2,931.52	2,682.95	248.57	11.793						
13,400.00	7,321.00	10,763.00	7,340.85	169.90	130.54	90.62	-3,829.07	-5,727.00	2,929.84	2,679.06	250.78	11.683						
13,441.69	7,321.00	10,763.00	7,340.85	170.58	130.54	90.62	-3,829.07	-5,727.00	2,929.54	2,679.77	249.77	11.729						
13,500.00	7,321.00	10,763.00	7,340.85	171.53	130.54	90.62	-3,829.07	-5,727.00	2,930.13	2,681.83	248.30	11.801						
13,600.00	7,321.00	10,822.59	7,341.54	173.19	131.93	90.64	-3,828.03	-5,786.58	2,932.16	2,681.93	250.22	11.718						
13,700.00	7,321.00	10,863.34	7,342.73	174.88	132.89	90.66	-3,826.12	-5,827.26	2,936.61	2,685.94	250.67	11.715						
13,800.00	7,321.00	11,047.21	7,350.19	176.59	137.23	90.80	-3,819.40	-6,010.84	2,939.81	2,677.58	262.23	11.211						
13,900.00	7,321.00	11,145.00	7,354.32	178.33	139.56	90.88	-3,816.82	-6,108.51	2,942.34	2,675.20	267.14	11.014						
14,000.00	7,321.00	11,211.04	7,355.93	180.09	141.14	90.91	-3,814.24	-6,174.48	2,945.92	2,676.30	269.62	10.926						
14,100.00	7,321.00	11,355.57	7,354.96	181.88	144.61	90.89	-3,809.84	-6,318.92	2,948.73	2,670.62	278.11	10.603						
14,200.00	7,321.00	11,469.97	7,351.09	183.70	147.37	90.82	-3,806.56	-6,433.21	2,951.47	2,667.21	284.27	10.383						
14,300.00	7,321.00	11,623.00	7,348.05	185.54	151.12	90.76	-3,805.48	-6,586.17	2,951.80	2,658.47	293.33	10.063						
14,400.00	7,321.00	11,726.19	7,347.65	187.40	153.66	90.75	-3,805.34	-6,689.35	2,951.77	2,653.08	298.69	9.883						
14,500.00	7,321.00	11,866.68	7,348.99	189.29	157.15	90.78	-3,806.39	-6,829.82	2,950.84	2,644.03	306.81	9.618						
14,600.00	7,321.00	11,951.19	7,349.32	191.20	159.26	90.78	-3,807.55	-6,914.33	2,949.36	2,638.53	310.83	9.489						
14,682.90	7,321.00	12,005.00	7,349.68	192.79	160.61	90.79	-3,807.71	-6,968.14	2,948.97	2,636.02	312.95	9.423						
14,700.00	7,321.00	12,005.00	7,349.68	193.13	160.61	90.79	-3,807.71	-6,968.14	2,949.02	2,636.46	312.56	9.435						
14,800.00	7,321.00	12,305.28	7,353.11	195.08	168.17	90.86	-3,815.09	-7,268.15	2,946.83	2,614.71	332.12	8.873						
14,900.00	7,321.00	12,399.94	7,354.21	197.05	170.58	90.88	-3,820.57	-7,362.65	2,940.88	2,603.95	336.93	8.728						
15,000.00	7,321.00	12,520.80	7,355.03	199.04	173.67	90.90	-3,828.97	-7,483.21	2,933.63	2,590.09	343.54	8.539						
15,100.00	7,321.00	12,576.00	7,356.89	201.06	175.09	90.94	-3,832.18	-7,538.28	2,927.68	2,582.03	345.65	8.470						

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 36-T7N-R67W - ICE MAN 2W-15-5C - ORIGINAL WELLBORE - WB #1 - PATT 901		Offset Site Error:		0.00 usft
Survey Program:		130-MWD OWSG											Offset Well Error:		0.00 usft		
Reference		Offset		Semi Major Axis		Distance								Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
15,200.00	7,321.00	12,617.91	7,358.66	203.09	176.15	90.97	-3,833.88	-7,580.12	2,923.47	2,576.73	346.74	8.431					
15,300.00	7,321.00	12,671.00	7,360.42	205.14	177.51	91.01	-3,834.92	-7,633.17	2,921.22	2,572.67	348.55	8.381					
15,400.00	7,321.00	12,725.68	7,361.48	207.21	178.90	91.03	-3,835.12	-7,687.83	2,920.57	2,570.16	350.41	8.335					
15,500.00	7,321.00	12,841.06	7,361.10	209.29	181.83	91.02	-3,835.30	-7,803.21	2,920.25	2,563.47	356.78	8.185					
15,600.00	7,321.00	12,957.00	7,358.48	211.39	184.79	90.97	-3,836.84	-7,919.10	2,918.61	2,555.44	363.17	8.036					
15,680.33	7,321.00	13,003.59	7,356.75	213.10	185.98	90.94	-3,837.13	-7,965.66	2,918.01	2,553.17	364.85	7.998					
15,700.00	7,321.00	13,013.08	7,356.43	213.51	186.22	90.93	-3,837.10	-7,975.15	2,918.05	2,552.94	365.11	7.992					
15,800.00	7,321.00	13,178.00	7,359.24	215.65	190.44	90.99	-3,837.59	-8,139.90	2,917.82	2,542.65	375.18	7.777					
15,900.00	7,321.00	13,242.00	7,361.59	217.80	192.09	91.03	-3,838.19	-8,203.85	2,916.71	2,538.93	377.78	7.721					
16,000.00	7,321.00	13,370.70	7,363.86	219.96	195.40	91.08	-3,840.56	-8,332.50	2,914.49	2,529.33	385.16	7.567					
16,100.00	7,321.00	13,433.00	7,363.95	222.14	197.01	91.08	-3,840.43	-8,394.80	2,914.16	2,526.53	387.62	7.518					
16,109.50	7,321.00	13,433.00	7,363.95	222.35	197.01	91.08	-3,840.43	-8,394.80	2,914.14	2,526.73	387.41	7.522					
16,200.00	7,321.00	13,472.76	7,363.46	224.34	198.03	91.07	-3,839.66	-8,434.54	2,915.27	2,526.97	388.31	7.508					
16,300.00	7,321.00	13,563.26	7,361.20	226.55	200.35	91.03	-3,837.83	-8,525.00	2,917.10	2,524.27	392.83	7.426					
16,400.00	7,321.00	13,647.97	7,360.71	228.77	202.52	91.02	-3,835.64	-8,609.67	2,919.49	2,522.58	396.91	7.356					
16,500.00	7,321.00	13,743.17	7,359.95	231.00	204.97	91.00	-3,833.00	-8,704.84	2,922.10	2,520.28	401.82	7.272					
16,600.00	7,321.00	13,826.68	7,360.47	233.25	207.12	91.01	-3,830.31	-8,788.30	2,925.16	2,519.35	405.81	7.208					
16,700.00	7,321.00	13,910.00	7,360.82	235.51	209.26	91.01	-3,827.37	-8,871.57	2,928.57	2,518.79	409.78	7.147					
16,800.00	7,321.00	13,986.79	7,359.41	237.78	211.24	90.99	-3,824.11	-8,948.27	2,932.67	2,519.46	413.21	7.097					
16,900.00	7,321.00	14,139.65	7,356.29	240.06	215.18	90.92	-3,817.78	-9,100.96	2,936.71	2,514.00	422.70	6.947					
17,000.00	7,321.00	14,278.08	7,356.96	242.35	218.77	90.94	-3,814.51	-9,239.34	2,938.90	2,507.91	430.99	6.819					
17,100.00	7,321.00	14,382.32	7,356.17	244.66	221.48	90.92	-3,812.83	-9,343.56	2,940.34	2,503.72	436.62	6.734					
17,200.00	7,321.00	14,558.39	7,356.80	246.97	226.08	90.93	-3,812.87	-9,519.61	2,939.92	2,492.32	447.60	6.568					
17,300.00	7,321.00	14,631.00	7,358.54	249.29	227.98	90.97	-3,813.42	-9,592.20	2,939.09	2,488.18	450.91	6.518					
17,318.80	7,321.00	14,642.90	7,358.70	249.73	228.29	90.97	-3,813.42	-9,604.09	2,939.07	2,487.67	451.40	6.511					
17,400.00	7,321.00	14,712.02	7,358.81	251.63	230.10	90.97	-3,813.02	-9,673.22	2,939.38	2,484.57	454.81	6.463					
17,500.00	7,321.00	14,811.18	7,355.75	253.97	232.69	90.91	-3,812.52	-9,772.32	2,939.66	2,479.62	460.05	6.390					
17,600.00	7,321.00	14,928.08	7,348.98	256.32	235.74	90.78	-3,811.68	-9,889.02	2,940.19	2,473.61	466.58	6.302					
17,700.00	7,321.00	15,036.67	7,342.14	258.68	238.58	90.65	-3,811.92	-9,997.38	2,939.71	2,467.22	472.49	6.222					
17,800.00	7,321.00	15,297.23	7,336.20	261.05	245.45	90.53	-3,820.89	-10,257.67	2,935.29	2,446.34	488.95	6.003					
17,900.00	7,321.00	15,388.42	7,332.78	263.43	247.86	90.47	-3,826.08	-10,348.65	2,929.42	2,435.75	493.67	5.934					
18,000.00	7,321.00	15,471.06	7,327.58	265.81	250.03	90.36	-3,830.20	-10,431.02	2,924.20	2,426.40	497.80	5.874					
18,100.00	7,321.00	15,552.30	7,323.14	268.21	252.17	90.28	-3,833.95	-10,512.06	2,919.41	2,417.59	501.83	5.818					
18,200.00	7,321.00	15,627.00	7,318.14	270.61	254.14	90.18	-3,836.39	-10,586.54	2,915.83	2,410.45	505.38	5.770					
18,300.00	7,321.00	15,712.95	7,312.34	273.02	256.41	90.07	-3,838.63	-10,672.26	2,912.98	2,403.29	509.68	5.715					
18,400.00	7,321.00	15,809.88	7,305.90	275.43	258.96	89.94	-3,841.33	-10,768.94	2,910.02	2,395.27	514.75	5.653					
18,500.00	7,321.00	15,895.00	7,298.68	277.86	261.20	89.80	-3,843.62	-10,853.72	2,907.21	2,388.25	518.96	5.602					
18,568.38	7,321.00	15,895.00	7,298.68	279.52	261.20	89.80	-3,843.62	-10,853.72	2,906.40	2,388.79	517.61	5.615					
18,600.00	7,321.00	15,895.00	7,298.68	280.28	261.20	89.80	-3,843.62	-10,853.72	2,906.58	2,389.68	516.90	5.623					
18,700.00	7,321.00	15,895.00	7,298.68	282.72	261.20	89.80	-3,843.62	-10,853.72	2,909.38	2,395.11	514.27	5.657					
18,800.00	7,321.00	15,895.00	7,298.68	285.16	261.20	89.80	-3,843.62	-10,853.72	2,915.62	2,404.53	511.09	5.705					
18,900.00	7,321.00	15,895.00	7,298.68	287.61	261.20	89.80	-3,843.62	-10,853.72	2,925.26	2,417.88	507.38	5.765					
19,000.00	7,321.00	15,895.00	7,298.68	290.06	261.20	89.80	-3,843.62	-10,853.72	2,938.28	2,435.11	503.17	5.840					
19,100.00	7,321.00	15,895.00	7,298.68	292.52	261.20	89.80	-3,843.62	-10,853.72	2,954.62	2,456.15	498.47	5.927					
19,200.00	7,321.00	15,895.00	7,298.68	294.99	261.20	89.80	-3,843.62	-10,853.72	2,974.24	2,480.91	493.33	6.029					
19,300.00	7,321.00	15,895.00	7,298.68	297.46	261.20	89.80	-3,843.62	-10,853.72	2,997.07	2,509.29	487.79	6.144					
19,400.00	7,321.00	15,895.00	7,298.68	299.94	261.20	89.80	-3,843.62	-10,853.72	3,023.04	2,541.17	481.87	6.274					
19,500.00	7,321.00	15,895.00	7,298.68	302.42	261.20	89.80	-3,843.62	-10,853.72	3,052.06	2,576.44	475.62	6.417					
19,600.00	7,321.00	15,895.00	7,298.68	304.90	261.20	89.80	-3,843.62	-10,853.72	3,084.06	2,614.97	469.09	6.575					
19,700.00	7,321.00	15,895.00	7,298.68	307.40	261.20	89.80	-3,843.62	-10,853.72	3,118.93	2,656.62	462.31	6.746					
19,800.00	7,321.00	15,895.00	7,298.68	309.89	261.20	89.80	-3,843.62	-10,853.72	3,156.59	2,701.27	455.32	6.933					
19,900.00	7,321.00	15,895.00	7,298.68	312.39	261.20	89.80	-3,843.62	-10,853.72	3,196.94	2,748.76	448.17	7.133					

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 36-T7N-R67W - ICE MAN 2W-15-5C - ORIGINAL WELLBORE - WB #1 - PATT 901												Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
20,000.00	7,321.00	15,895.00	7,298.68	314.90	261.20	89.80	-3,843.62	-10,853.72	3,239.86	2,798.97	440.90	7.348	
20,100.00	7,321.00	15,895.00	7,298.68	317.41	261.20	89.80	-3,843.62	-10,853.72	3,285.28	2,851.75	433.53	7.578	
20,200.00	7,321.00	15,895.00	7,298.68	319.92	261.20	89.80	-3,843.62	-10,853.72	3,333.07	2,906.97	426.10	7.822	
20,300.00	7,321.00	15,895.00	7,298.68	322.44	261.20	89.80	-3,843.62	-10,853.72	3,383.15	2,964.51	418.64	8.081	
20,400.00	7,321.00	15,895.00	7,298.68	324.96	261.20	89.80	-3,843.62	-10,853.72	3,435.41	3,024.22	411.19	8.355	
20,500.00	7,321.00	15,895.00	7,298.68	327.49	261.20	89.80	-3,843.62	-10,853.72	3,489.75	3,085.99	403.76	8.643	
20,600.00	7,321.00	15,895.00	7,298.68	330.02	261.20	89.80	-3,843.62	-10,853.72	3,546.08	3,149.70	396.38	8.946	
20,700.00	7,321.00	15,895.00	7,298.68	332.55	261.20	89.80	-3,843.62	-10,853.72	3,604.30	3,215.23	389.07	9.264	
20,800.00	7,321.00	15,895.00	7,298.68	335.09	261.20	89.80	-3,843.62	-10,853.72	3,664.33	3,282.48	381.85	9.596	
20,900.00	7,321.00	15,895.00	7,298.68	337.63	261.20	89.80	-3,843.62	-10,853.72	3,726.08	3,351.34	374.73	9.943	
21,000.00	7,321.00	15,895.00	7,298.68	340.17	261.20	89.80	-3,843.62	-10,853.72	3,789.45	3,421.73	367.73	10.305	
21,100.00	7,321.00	15,895.00	7,298.68	342.72	261.20	89.80	-3,843.62	-10,853.72	3,854.38	3,493.54	360.85	10.681	
21,200.00	7,321.00	15,895.00	7,298.68	345.27	261.20	89.80	-3,843.62	-10,853.72	3,920.79	3,566.69	354.10	11.072	
21,300.00	7,321.00	15,895.00	7,298.68	347.82	261.20	89.80	-3,843.62	-10,853.72	3,988.60	3,641.10	347.50	11.478	
21,400.00	7,321.00	15,895.00	7,298.68	350.38	261.20	89.80	-3,843.62	-10,853.72	4,057.74	3,716.69	341.05	11.898	
21,500.00	7,321.00	15,895.00	7,298.68	352.94	261.20	89.80	-3,843.62	-10,853.72	4,128.14	3,793.39	334.75	12.332	
21,600.00	7,321.00	15,895.00	7,298.68	355.50	261.20	89.80	-3,843.62	-10,853.72	4,199.75	3,871.15	328.61	12.781	
21,700.00	7,321.00	15,895.00	7,298.68	358.07	261.20	89.80	-3,843.62	-10,853.72	4,272.50	3,949.88	322.62	13.243	
21,746.26	7,321.00	15,895.00	7,298.68	359.25	261.20	89.80	-3,843.62	-10,853.72	4,306.52	3,986.62	319.90	13.462	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	99.08	99.08	0.27	0.14	-169.99	-1,412.08	-249.13	1,433.94	1,433.53	0.41	3,515.775		
200.00	200.00	206.34	206.32	0.63	0.46	-170.04	-1,411.07	-247.76	1,432.78	1,431.70	1.08	1,322.272		
300.00	299.98	302.21	302.18	0.97	0.80	-13.36	-1,410.08	-246.40	1,429.83	1,428.05	1.77	806.220		
400.00	399.84	380.80	380.76	1.32	1.07	-13.46	-1,409.86	-245.57	1,424.32	1,421.92	2.39	595.523		
500.00	499.45	464.27	464.22	1.68	1.36	-13.55	-1,410.76	-246.09	1,416.97	1,413.94	3.03	467.641		
600.00	598.70	550.89	550.82	2.07	1.65	-13.68	-1,412.34	-246.81	1,407.07	1,403.38	3.69	381.665		
700.00	697.47	628.70	628.59	2.48	1.92	-13.80	-1,414.51	-248.47	1,394.96	1,390.64	4.32	322.767		
800.00	795.62	700.00	699.76	2.93	2.17	-13.91	-1,417.75	-251.26	1,381.46	1,376.52	4.94	279.562		
900.00	893.06	774.53	774.00	3.41	2.44	-13.99	-1,422.28	-255.91	1,366.47	1,360.89	5.58	244.704		
1,000.00	989.64	847.46	846.45	3.93	2.71	-14.04	-1,427.59	-262.31	1,349.80	1,343.57	6.23	216.570		
1,100.00	1,085.27	925.88	924.12	4.50	3.02	-14.07	-1,434.61	-270.55	1,331.66	1,324.75	6.92	192.563		
1,200.00	1,179.82	1,007.69	1,005.00	5.11	3.35	-14.10	-1,442.55	-279.98	1,311.18	1,303.56	7.63	171.893		
1,300.00	1,273.17	1,082.00	1,078.02	5.77	3.66	-14.09	-1,450.99	-290.80	1,289.39	1,281.06	8.33	154.850		
1,400.00	1,365.21	1,140.78	1,135.41	6.48	3.92	-14.06	-1,458.80	-300.81	1,266.56	1,257.58	8.98	140.998		
1,500.00	1,455.84	1,211.48	1,204.08	7.23	4.26	-14.01	-1,469.61	-313.72	1,242.75	1,233.05	9.70	128.057		
1,600.00	1,544.94	1,285.63	1,275.75	8.04	4.63	-13.96	-1,482.14	-328.01	1,217.48	1,207.02	10.46	116.401		
1,700.00	1,632.39	1,367.00	1,353.84	8.90	5.05	-13.86	-1,497.36	-345.05	1,190.94	1,179.67	11.27	105.678		
1,800.00	1,718.11	1,426.67	1,410.57	9.81	5.40	-13.79	-1,509.49	-358.99	1,163.10	1,151.10	12.00	96.918		
1,900.00	1,801.97	1,510.69	1,489.69	10.77	5.90	-13.55	-1,527.55	-380.77	1,133.93	1,121.05	12.87	88.097		
2,000.00	1,883.88	1,592.65	1,566.72	11.78	6.42	-13.33	-1,545.34	-402.39	1,101.98	1,088.22	13.75	80.127		
2,100.00	1,963.74	1,667.00	1,636.07	12.84	6.90	-13.15	-1,562.95	-422.58	1,068.83	1,054.22	14.61	73.169		
2,200.00	2,041.45	1,735.31	1,699.09	13.95	7.38	-12.95	-1,580.19	-442.49	1,034.48	1,019.02	15.45	66.942		
2,300.00	2,116.92	1,804.11	1,761.70	15.10	7.90	-12.63	-1,598.27	-464.56	998.92	982.60	16.31	61.230		
2,400.00	2,190.05	1,858.00	1,810.01	16.31	8.32	-12.36	-1,613.35	-483.07	962.85	945.76	17.09	56.348		
2,500.00	2,260.76	1,931.90	1,875.21	17.56	8.94	-11.86	-1,635.76	-509.65	926.33	908.33	18.00	51.471		
2,600.00	2,328.95	1,998.14	1,932.68	18.85	9.53	-11.40	-1,657.75	-534.18	889.73	870.87	18.86	47.186		
2,700.00	2,394.55	2,067.13	1,991.69	20.19	10.16	-10.88	-1,682.26	-560.20	852.63	832.90	19.73	43.216		
2,800.00	2,457.48	2,143.00	2,055.51	21.57	10.90	-10.21	-1,710.70	-589.75	814.88	794.24	20.65	39.471		
2,900.00	2,518.85	2,210.45	2,111.11	22.98	11.59	-9.36	-1,736.95	-617.49	777.76	756.27	21.49	36.199		
3,000.00	2,580.20	2,285.10	2,171.23	24.39	12.40	-8.19	-1,766.77	-650.17	743.22	720.88	22.34	33.266		
3,100.00	2,641.56	2,372.00	2,240.07	25.81	13.36	-6.65	-1,802.54	-689.32	710.98	687.72	23.27	30.558		
3,200.00	2,702.91	2,464.24	2,313.82	27.23	14.41	-4.99	-1,840.59	-729.60	678.73	654.50	24.23	28.013		
3,300.00	2,764.27	2,546.22	2,378.17	28.65	15.35	-3.26	-1,874.97	-766.97	648.78	623.71	25.06	25.884		
3,400.00	2,825.62	2,652.29	2,462.07	30.08	16.58	-0.90	-1,919.36	-814.30	619.01	592.87	26.14	23.684		
3,500.00	2,886.98	2,759.27	2,548.38	31.51	17.78	1.53	-1,963.45	-859.58	588.10	560.86	27.24	21.592		
3,600.00	2,948.33	2,856.84	2,628.52	32.95	18.86	3.91	-2,002.52	-899.20	555.83	527.52	28.30	19.638		
3,700.00	3,009.68	2,945.56	2,700.53	34.38	19.86	6.75	-2,036.15	-938.61	525.07	495.69	29.38	17.870		
3,800.00	3,071.04	3,043.55	2,780.17	35.82	20.97	10.34	-2,072.53	-982.63	495.53	464.76	30.77	16.104		
3,900.00	3,132.39	3,138.58	2,858.53	37.25	22.04	14.13	-2,107.14	-1,023.77	466.04	433.62	32.42	14.376		
4,000.00	3,193.75	3,221.47	2,926.52	38.69	22.97	17.83	-2,137.55	-1,060.13	439.41	405.12	34.28	12.817		
4,100.00	3,255.10	3,304.25	2,993.29	40.13	23.93	21.97	-2,168.51	-1,098.01	417.46	380.81	36.66	11.389		
4,200.00	3,316.46	3,405.21	3,075.01	41.58	25.10	27.42	-2,206.26	-1,143.72	398.27	358.16	40.12	9.928		
4,300.00	3,377.81	3,503.41	3,156.10	43.02	26.20	33.06	-2,242.57	-1,185.53	379.84	335.61	44.23	8.588		
4,400.00	3,439.17	3,586.23	3,223.99	44.46	27.13	38.23	-2,273.15	-1,221.79	366.47	317.80	48.67	7.530		
4,500.00	3,500.52	3,692.65	3,312.65	45.91	28.30	45.38	-2,311.11	-1,266.76	355.53	300.94	54.59	6.513		
4,600.00	3,561.88	3,778.46	3,384.20	47.35	29.24	51.20	-2,342.84	-1,301.92	348.78	288.68	60.11	5.803		
4,651.51	3,593.48	3,821.04	3,419.35	48.10	29.71	54.08	-2,358.90	-1,319.79	347.84	284.93	62.91	5.529 CC		
4,700.00	3,623.23	3,862.00	3,452.99	48.80	30.17	56.89	-2,374.19	-1,337.47	348.69	283.12	65.56	5.318		
4,800.00	3,684.59	3,964.97	3,538.76	50.24	31.30	64.05	-2,411.51	-1,380.50	352.69	281.01	71.68	4.920 ES		
4,900.00	3,745.94	4,041.78	3,603.26	51.69	32.13	69.45	-2,437.96	-1,412.72	362.09	285.80	76.28	4.747		
5,000.00	3,807.30	4,131.04	3,678.05	53.14	33.10	75.55	-2,467.24	-1,451.66	378.42	297.64	80.78	4.685 SF		
5,100.00	3,868.65	4,211.88	3,745.53	54.58	34.01	80.63	-2,493.80	-1,487.36	399.87	315.76	84.11	4.754		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	3,930.01	4,299.12	3,815.92	56.03	35.03	85.10	-2,524.87	-1,528.47	426.59	339.48	87.11	4.897		
5,300.00	3,991.36	4,392.76	3,890.69	57.48	36.16	89.17	-2,559.61	-1,572.88	455.49	365.44	90.05	5.058		
5,400.00	4,052.72	4,487.24	3,966.04	58.93	37.30	92.77	-2,595.35	-1,617.28	485.63	392.89	92.74	5.236		
5,500.00	4,114.07	4,587.35	4,046.64	60.38	38.48	96.25	-2,633.17	-1,663.04	516.43	421.02	95.41	5.413		
5,600.00	4,175.43	4,705.48	4,144.77	61.83	39.79	100.36	-2,677.24	-1,711.80	545.91	447.54	98.38	5.549		
5,700.00	4,236.78	4,800.04	4,222.78	63.28	40.84	103.18	-2,715.51	-1,749.10	573.57	473.27	100.30	5.718		
5,800.00	4,298.14	4,880.14	4,286.85	64.73	41.79	105.03	-2,749.33	-1,783.25	603.29	501.50	101.79	5.927		
5,900.00	4,359.49	4,976.85	4,362.84	66.18	42.95	106.86	-2,790.27	-1,826.84	635.15	531.28	103.87	6.115		
6,000.00	4,420.85	5,090.79	4,455.46	67.63	44.26	109.27	-2,837.83	-1,873.09	665.33	559.11	106.22	6.264		
6,100.00	4,482.20	5,157.93	4,509.89	69.08	45.06	110.55	-2,866.10	-1,900.35	696.05	588.92	107.13	6.497		
6,200.00	4,543.55	5,230.54	4,565.68	70.53	45.95	111.41	-2,896.61	-1,935.37	731.17	622.83	108.35	6.749		
6,300.00	4,604.91	5,335.67	4,646.56	71.98	47.31	112.54	-2,940.74	-1,986.02	766.71	655.84	110.86	6.916		
6,400.00	4,666.26	5,443.43	4,728.42	73.44	48.69	113.49	-2,988.39	-2,037.39	800.35	686.87	113.47	7.053		
6,500.00	4,727.62	5,542.05	4,804.19	74.89	49.95	114.39	-3,032.21	-2,082.82	833.18	717.52	115.67	7.203		
6,600.00	4,788.97	5,634.58	4,876.20	76.34	51.10	115.28	-3,072.90	-2,124.30	865.95	748.37	117.58	7.365		
6,700.00	4,850.33	5,724.83	4,945.75	77.79	52.24	116.00	-3,112.71	-2,165.81	899.33	779.86	119.47	7.528		
6,800.00	4,911.68	5,824.03	5,022.45	79.24	53.48	116.77	-3,156.48	-2,210.99	932.62	811.00	121.63	7.668		
6,900.00	4,973.04	5,916.43	5,096.04	80.70	54.58	117.66	-3,196.21	-2,250.27	965.63	842.26	123.37	7.827		
7,000.00	5,034.39	5,988.00	5,153.92	82.15	55.42	118.40	-3,225.89	-2,280.12	999.85	875.44	124.41	8.037		
7,100.00	5,095.75	6,062.00	5,214.04	83.60	56.27	119.12	-3,255.33	-2,311.67	1,036.10	910.61	125.49	8.257		
7,200.00	5,157.10	6,164.86	5,296.55	85.05	57.51	119.95	-3,295.95	-2,357.70	1,073.62	946.03	127.59	8.414		
7,300.00	5,218.46	6,277.85	5,386.40	86.51	58.86	120.75	-3,342.73	-2,407.69	1,109.41	979.39	130.02	8.533		
7,400.00	5,279.81	6,340.20	5,437.01	87.96	59.59	121.25	-3,367.68	-2,434.23	1,145.83	1,015.03	130.80	8.760		
7,500.00	5,341.17	6,407.89	5,491.88	89.41	60.38	121.74	-3,393.59	-2,464.22	1,184.57	1,052.84	131.73	8.992		
7,600.00	5,402.52	6,465.00	5,538.36	90.87	61.05	122.14	-3,414.65	-2,489.86	1,225.11	1,092.85	132.26	9.263		
7,700.00	5,463.88	6,536.03	5,596.71	92.32	61.86	122.65	-3,439.32	-2,521.98	1,267.58	1,134.36	133.23	9.515		
7,800.00	5,525.23	6,646.65	5,686.68	93.77	63.17	123.30	-3,476.99	-2,574.10	1,311.40	1,175.68	135.72	9.663		
7,900.00	5,586.59	6,775.87	5,789.90	95.23	64.73	123.90	-3,525.33	-2,634.89	1,352.16	1,213.27	138.88	9.736		
8,000.00	5,647.94	6,867.73	5,865.20	96.68	65.79	124.46	-3,559.74	-2,674.69	1,391.83	1,251.27	140.56	9.902		
8,100.00	5,709.30	6,944.91	5,928.45	98.13	66.67	124.89	-3,588.26	-2,708.49	1,432.18	1,290.38	141.80	10.100		
8,200.00	5,770.65	7,078.16	6,035.87	99.59	68.26	125.49	-3,640.02	-2,767.94	1,471.00	1,326.15	144.86	10.155		
8,300.00	5,832.01	7,170.32	6,108.12	101.04	69.39	125.75	-3,677.35	-2,811.29	1,509.36	1,362.52	146.84	10.279		
8,400.00	5,893.36	7,273.21	6,190.43	102.49	70.62	126.14	-3,718.65	-2,857.15	1,547.31	1,398.34	148.97	10.386		
8,500.00	5,954.72	7,400.93	6,297.54	103.95	72.00	126.97	-3,768.59	-2,905.55	1,584.35	1,433.14	151.20	10.478		
8,600.00	6,016.07	7,484.93	6,367.87	105.40	72.90	127.50	-3,802.43	-2,936.60	1,620.10	1,467.67	152.43	10.628		
8,700.00	6,077.43	7,548.41	6,420.47	106.86	73.59	127.84	-3,827.70	-2,961.56	1,657.14	1,503.87	153.27	10.812		
8,800.00	6,138.78	7,611.00	6,473.00	108.31	74.27	128.18	-3,851.18	-2,986.20	1,696.22	1,542.19	154.03	11.012		
8,900.00	6,200.13	7,706.64	6,553.73	109.76	75.28	128.72	-3,886.67	-3,023.22	1,735.68	1,580.13	155.55	11.159		
9,000.00	6,261.49	7,776.10	6,611.80	111.22	76.05	129.06	-3,912.68	-3,051.07	1,775.44	1,618.94	156.51	11.344		
9,100.00	6,322.84	7,854.05	6,675.89	112.67	76.93	129.33	-3,941.23	-3,085.03	1,816.74	1,658.91	157.84	11.510		
9,200.00	6,384.20	7,928.32	6,735.80	114.13	77.83	129.50	-3,968.77	-3,119.17	1,858.33	1,699.13	159.21	11.673		
9,300.00	6,445.55	7,993.00	6,785.40	115.58	78.66	129.49	-3,992.65	-3,153.10	1,901.41	1,740.90	160.51	11.846		
9,400.00	6,506.91	8,024.95	6,808.65	117.03	79.13	129.42	-4,004.17	-3,171.73	1,946.34	1,785.59	160.76	12.107		
9,500.00	6,568.26	8,088.00	6,851.31	118.49	80.06	129.10	-4,025.67	-3,212.83	1,994.10	1,831.66	162.44	12.276		
9,600.00	6,629.62	8,088.00	6,851.31	119.94	80.06	129.10	-4,025.67	-3,212.83	2,043.32	1,882.23	161.09	12.684		
9,700.00	6,690.97	8,143.23	6,885.55	121.40	80.96	128.69	-4,043.32	-3,252.39	2,094.79	1,932.20	162.59	12.884		
9,800.00	6,752.33	8,184.00	6,909.36	122.85	81.63	128.34	-4,055.81	-3,283.03	2,148.04	1,984.73	163.32	13.152		
9,900.00	6,813.68	8,219.87	6,929.27	124.31	82.25	128.00	-4,066.30	-3,310.97	2,203.15	2,039.34	163.81	13.449		
10,000.00	6,875.04	8,279.00	6,959.93	125.76	83.27	127.37	-4,082.23	-3,358.94	2,260.58	2,094.86	165.71	13.641		
10,100.00	6,936.39	8,279.00	6,959.93	127.22	83.27	127.37	-4,082.23	-3,358.94	2,319.11	2,155.15	163.96	14.144		
10,200.00	6,997.75	8,324.38	6,981.56	128.67	84.08	126.83	-4,093.56	-3,397.18	2,379.60	2,214.53	165.07	14.416		
10,300.00	7,059.10	8,375.00	7,003.68	130.13	85.00	126.20	-4,105.65	-3,441.08	2,441.61	2,275.09	166.52	14.662		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	7,118.86	8,375.00	7,003.68	131.62	85.00	114.99	-4,105.65	-3,441.08	2,501.60	2,337.11	164.49	15.208		
10,500.00	7,173.55	8,419.54	7,021.65	133.17	85.81	104.52	-4,115.33	-3,480.65	2,553.21	2,388.12	165.09	15.466		
10,600.00	7,221.49	8,470.00	7,040.69	134.72	86.75	96.61	-4,124.67	-3,526.44	2,595.80	2,429.98	165.82	15.654		
10,700.00	7,261.21	8,470.00	7,040.69	136.22	86.75	90.97	-4,124.67	-3,526.44	2,627.50	2,464.64	162.86	16.133		
10,800.00	7,291.51	8,470.00	7,040.69	137.61	86.75	87.12	-4,124.67	-3,526.44	2,649.19	2,489.52	159.67	16.592		
10,900.00	7,311.47	8,470.00	7,040.69	138.86	86.75	84.88	-4,124.67	-3,526.44	2,660.47	2,504.16	156.32	17.020		
11,000.00	7,320.48	8,525.47	7,058.16	139.92	87.74	84.47	-4,131.56	-3,578.59	2,657.76	2,500.73	157.03	16.925		
11,100.00	7,321.00	8,565.00	7,067.23	140.82	88.46	84.77	-4,133.48	-3,617.00	2,649.54	2,492.91	156.63	16.916		
11,200.00	7,321.00	8,565.00	7,067.23	141.74	88.46	84.77	-4,133.48	-3,617.00	2,642.69	2,489.53	153.16	17.254		
11,300.00	7,321.00	8,565.00	7,067.23	142.69	88.46	84.77	-4,133.48	-3,617.00	2,639.62	2,490.02	149.60	17.644		
11,370.39	7,321.00	8,604.77	7,073.89	143.38	89.14	84.91	-4,133.53	-3,656.20	2,638.72	2,488.52	150.20	17.568		
11,400.00	7,321.00	8,613.52	7,075.09	143.67	89.29	84.94	-4,133.37	-3,664.87	2,638.84	2,489.02	149.82	17.614		
11,500.00	7,321.00	8,661.00	7,079.86	144.68	90.12	85.04	-4,131.49	-3,712.06	2,641.16	2,491.23	149.94	17.615		
11,600.00	7,321.00	8,709.35	7,082.12	145.73	90.95	85.10	-4,128.85	-3,760.28	2,645.48	2,495.36	150.12	17.623		
11,700.00	7,321.00	8,849.49	7,079.89	146.80	93.41	85.06	-4,123.05	-3,900.26	2,649.61	2,492.08	157.53	16.819		
11,800.00	7,321.00	8,981.82	7,075.87	147.91	95.84	84.98	-4,120.21	-4,032.50	2,651.73	2,487.32	164.40	16.129		
11,900.00	7,321.00	9,323.74	7,070.76	149.05	102.64	84.85	-4,130.02	-4,373.98	2,648.01	2,460.16	187.85	14.097		
12,000.00	7,321.00	9,392.43	7,071.22	150.22	104.08	84.85	-4,134.84	-4,442.50	2,641.02	2,451.05	189.97	13.902		
12,100.00	7,321.00	9,425.00	7,071.06	151.42	104.77	84.84	-4,136.52	-4,475.02	2,636.16	2,446.93	189.23	13.931		
12,200.00	7,321.00	9,494.36	7,069.97	152.66	106.22	84.81	-4,138.89	-4,544.33	2,632.93	2,441.55	191.38	13.758		
12,300.00	7,321.00	9,556.24	7,068.29	153.93	107.51	84.77	-4,139.78	-4,606.18	2,631.52	2,438.60	192.92	13.640		
12,400.00	7,321.00	9,641.43	7,065.57	155.22	109.30	84.71	-4,140.10	-4,691.33	2,631.24	2,434.89	196.35	13.400		
12,500.00	7,321.00	9,740.68	7,061.79	156.55	111.40	84.63	-4,140.94	-4,790.50	2,630.59	2,429.64	200.95	13.091		
12,510.34	7,321.00	9,746.35	7,061.58	156.69	111.52	84.62	-4,140.95	-4,796.17	2,630.58	2,429.53	201.05	13.084		
12,600.00	7,321.00	9,807.00	7,059.38	157.91	112.81	84.58	-4,140.48	-4,856.77	2,631.32	2,428.43	202.89	12.969		
12,700.00	7,321.00	9,942.68	7,055.36	159.31	115.74	84.49	-4,139.77	-4,992.38	2,632.03	2,421.48	210.55	12.501		
12,800.00	7,321.00	10,082.67	7,051.32	160.73	118.82	84.40	-4,141.19	-5,132.31	2,631.19	2,412.61	218.58	12.038		
12,900.00	7,321.00	10,168.03	7,048.96	162.18	120.73	84.35	-4,142.65	-5,217.62	2,629.61	2,407.42	222.19	11.835		
13,000.00	7,321.00	10,307.14	7,047.54	163.67	123.87	84.31	-4,145.00	-5,356.70	2,627.95	2,397.71	230.24	11.414		
13,100.00	7,321.00	10,409.47	7,046.67	165.18	126.22	84.28	-4,148.23	-5,458.97	2,624.71	2,389.40	235.31	11.154		
13,200.00	7,321.00	10,476.00	7,046.85	166.73	127.75	84.29	-4,149.26	-5,525.50	2,622.84	2,385.34	237.50	11.043		
13,300.00	7,321.00	10,624.21	7,048.02	168.30	131.19	84.30	-4,152.40	-5,673.66	2,620.54	2,374.13	246.40	10.635		
13,400.00	7,321.00	10,733.25	7,048.22	169.90	133.75	84.30	-4,156.11	-5,782.64	2,616.97	2,364.86	252.10	10.381		
13,500.00	7,321.00	10,831.00	7,047.75	171.53	136.07	84.28	-4,159.63	-5,880.33	2,613.27	2,356.37	256.90	10.173		
13,600.00	7,321.00	10,897.98	7,047.03	173.19	137.65	84.26	-4,161.75	-5,947.26	2,610.13	2,350.93	259.19	10.070		
13,700.00	7,321.00	10,954.00	7,047.30	174.88	138.98	84.26	-4,162.47	-6,003.28	2,608.63	2,348.05	260.58	10.011		
13,756.19	7,321.00	10,992.77	7,047.86	175.83	139.90	84.28	-4,162.47	-6,042.05	2,608.45	2,346.49	261.96	9.957		
13,800.00	7,321.00	11,023.67	7,048.39	176.59	140.63	84.29	-4,162.29	-6,072.94	2,608.56	2,345.46	263.10	9.915		
13,900.00	7,321.00	11,096.09	7,049.67	178.33	142.34	84.32	-4,161.29	-6,145.34	2,609.60	2,343.76	265.84	9.817		
14,000.00	7,321.00	11,172.07	7,050.20	180.09	144.14	84.33	-4,159.54	-6,221.30	2,611.64	2,342.78	268.87	9.714		
14,100.00	7,321.00	11,275.53	7,050.73	181.88	146.59	84.35	-4,156.45	-6,324.71	2,614.42	2,340.16	274.26	9.533		
14,200.00	7,321.00	11,402.74	7,055.20	183.70	149.64	84.45	-4,154.01	-6,451.82	2,615.70	2,333.95	281.76	9.283		
14,300.00	7,321.00	11,522.34	7,060.43	185.54	152.53	84.57	-4,152.01	-6,571.28	2,616.82	2,328.20	288.61	9.067		
14,400.00	7,321.00	11,591.65	7,065.00	187.40	154.20	84.67	-4,150.71	-6,640.43	2,617.92	2,326.71	291.21	8.990		
14,500.00	7,321.00	11,697.76	7,072.47	189.29	156.77	84.84	-4,147.78	-6,746.23	2,619.89	2,322.91	296.98	8.822		
14,600.00	7,321.00	11,863.70	7,081.63	191.20	160.85	85.04	-4,147.11	-6,911.89	2,619.31	2,311.53	307.79	8.510		
14,700.00	7,321.00	11,955.73	7,085.78	193.13	163.12	85.13	-4,147.25	-7,003.83	2,618.60	2,306.25	312.35	8.384		
14,800.00	7,321.00	12,062.05	7,090.31	195.08	165.76	85.23	-4,147.56	-7,110.05	2,617.79	2,299.68	318.11	8.229		
14,893.74	7,321.00	12,131.59	7,091.56	196.93	167.48	85.26	-4,147.86	-7,179.58	2,617.15	2,296.18	320.97	8.154		
14,900.00	7,321.00	12,135.01	7,091.60	197.05	167.57	85.26	-4,147.85	-7,183.00	2,617.15	2,296.10	321.06	8.152		
15,000.00	7,321.00	12,195.00	7,092.07	199.04	169.06	85.27	-4,147.08	-7,242.98	2,618.14	2,295.27	322.87	8.109		
15,100.00	7,321.00	12,264.81	7,092.43	201.06	170.79	85.28	-4,145.25	-7,312.76	2,620.48	2,294.99	325.49	8.051		

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 MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 36-T7N-R67W - ICE MAN 2W-15-6N - ORIGINAL WELLBORE - WB #1 - PATT 901		Offset Site Error: 0.00 usft	
Survey Program: 130-MWD OWSG													Offset Well Error: 0.00 usft			
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
15,200.00	7,321.00	12,369.84	7,093.25	203.09	173.39	85.30	-4,142.00	-7,417.74	2,623.35	2,292.20	331.14	7.922				
15,300.00	7,321.00	12,571.31	7,097.24	205.14	178.44	85.39	-4,141.03	-7,619.14	2,622.99	2,278.06	344.93	7.604				
15,400.00	7,321.00	12,643.61	7,098.22	207.21	180.27	85.41	-4,141.73	-7,691.43	2,621.89	2,274.01	347.88	7.537				
15,500.00	7,321.00	12,786.42	7,095.84	209.29	183.88	85.36	-4,142.58	-7,834.21	2,621.44	2,264.88	356.56	7.352				
15,600.00	7,321.00	12,883.22	7,093.37	211.39	186.34	85.30	-4,144.38	-7,930.96	2,619.64	2,258.17	361.47	7.247				
15,700.00	7,321.00	12,991.50	7,092.62	213.51	189.10	85.28	-4,146.06	-8,039.22	2,618.00	2,250.64	367.35	7.127				
15,800.00	7,321.00	13,117.66	7,092.12	215.65	192.32	85.26	-4,149.41	-8,165.34	2,615.16	2,240.49	374.66	6.980				
15,900.00	7,321.00	13,205.65	7,091.63	217.80	194.58	85.25	-4,151.87	-8,253.29	2,612.27	2,233.34	378.93	6.894				
16,000.00	7,321.00	13,338.00	7,095.18	219.96	197.98	85.32	-4,156.11	-8,385.51	2,608.56	2,221.77	386.79	6.744				
16,100.00	7,321.00	13,402.30	7,097.14	222.14	199.64	85.36	-4,158.51	-8,449.73	2,604.79	2,215.55	389.24	6.692				
16,200.00	7,321.00	13,458.50	7,097.81	224.34	201.08	85.37	-4,159.07	-8,505.93	2,603.38	2,212.43	390.94	6.659				
16,300.00	7,321.00	13,563.84	7,096.94	226.55	203.79	85.35	-4,159.77	-8,611.25	2,602.62	2,206.00	396.63	6.562				
16,400.00	7,321.00	13,679.60	7,094.79	228.77	206.77	85.30	-4,161.36	-8,726.99	2,601.23	2,198.09	403.14	6.452				
16,500.00	7,321.00	13,829.13	7,090.84	231.00	210.63	85.20	-4,164.90	-8,876.41	2,599.03	2,186.75	412.28	6.304				
16,600.00	7,321.00	13,955.98	7,087.21	233.25	213.92	85.11	-4,170.09	-9,003.11	2,595.03	2,175.47	419.56	6.185				
16,700.00	7,321.00	14,115.32	7,082.93	235.51	218.07	85.00	-4,178.94	-9,162.14	2,589.68	2,160.49	429.19	6.034				
16,800.00	7,321.00	14,146.72	7,082.09	237.78	218.88	84.98	-4,180.45	-9,193.49	2,584.43	2,155.17	429.26	6.021				
16,900.00	7,321.00	14,197.00	7,080.67	240.06	220.19	84.95	-4,181.94	-9,243.73	2,581.40	2,150.84	430.56	5.995				
17,000.00	7,321.00	14,268.58	7,078.39	242.35	222.05	84.89	-4,182.98	-9,315.27	2,579.96	2,146.48	433.48	5.952				
17,100.00	7,321.00	14,360.48	7,075.05	244.66	224.43	84.82	-4,184.01	-9,407.09	2,579.01	2,140.98	438.02	5.888				
17,176.02	7,321.00	14,411.32	7,073.16	246.41	225.75	84.77	-4,184.38	-9,457.90	2,578.64	2,138.74	439.90	5.862				
17,200.00	7,321.00	14,423.56	7,072.79	246.97	226.07	84.77	-4,184.35	-9,470.14	2,578.73	2,138.57	440.17	5.859				
17,300.00	7,321.00	14,482.00	7,071.52	249.29	227.58	84.74	-4,183.37	-9,528.55	2,580.31	2,138.46	441.85	5.840				
17,400.00	7,321.00	14,638.98	7,069.49	251.63	231.66	84.70	-4,182.52	-9,685.50	2,580.46	2,128.45	452.00	5.709				
17,500.00	7,321.00	14,710.28	7,067.33	253.97	233.51	84.65	-4,182.24	-9,756.77	2,580.98	2,126.16	454.82	5.675				
17,600.00	7,321.00	14,782.19	7,065.07	256.32	235.38	84.60	-4,181.04	-9,828.64	2,582.74	2,125.09	457.65	5.644				
17,700.00	7,321.00	14,960.00	7,057.47	258.68	240.00	84.44	-4,179.46	-10,006.24	2,584.19	2,114.80	469.39	5.505				
17,800.00	7,321.00	15,055.00	7,049.47	261.05	242.48	84.26	-4,180.76	-10,100.89	2,583.50	2,109.44	474.06	5.450				
17,900.00	7,321.00	15,169.27	7,038.15	263.43	245.45	84.00	-4,182.51	-10,214.59	2,582.84	2,102.62	480.22	5.378				
18,000.00	7,321.00	15,246.00	7,030.99	265.81	247.44	83.84	-4,183.82	-10,290.97	2,582.03	2,098.63	483.39	5.341				
18,045.30	7,321.00	15,286.35	7,027.77	266.90	248.50	83.77	-4,184.23	-10,331.19	2,581.90	2,096.60	485.29	5.320				
18,100.00	7,321.00	15,325.55	7,025.09	268.21	249.52	83.71	-4,184.34	-10,370.29	2,582.06	2,095.25	486.81	5.304				
18,200.00	7,321.00	15,381.36	7,021.77	270.61	250.97	83.64	-4,183.86	-10,426.00	2,583.46	2,095.24	488.21	5.292				
18,300.00	7,321.00	15,437.00	7,018.29	273.02	252.42	83.56	-4,182.29	-10,481.51	2,586.72	2,097.25	489.47	5.285				
18,400.00	7,321.00	15,581.27	7,008.95	275.43	256.18	83.37	-4,178.58	-10,625.43	2,589.84	2,091.35	498.49	5.195				
18,500.00	7,321.00	15,752.46	6,996.48	277.86	260.66	83.09	-4,178.06	-10,796.16	2,590.86	2,081.35	509.50	5.085				
18,562.67	7,321.00	15,805.00	6,992.74	279.38	262.04	83.01	-4,178.64	-10,848.56	2,590.63	2,078.76	511.87	5.061				
18,600.00	7,321.00	15,805.00	6,992.74	280.28	262.04	83.01	-4,178.64	-10,848.56	2,590.90	2,080.21	510.69	5.073				
18,700.00	7,321.00	15,805.00	6,992.74	282.72	262.04	83.01	-4,178.64	-10,848.56	2,594.27	2,087.23	507.04	5.116				
18,800.00	7,321.00	15,805.00	6,992.74	285.16	262.04	83.01	-4,178.64	-10,848.56	2,601.48	2,098.76	502.72	5.175				
18,900.00	7,321.00	15,805.00	6,992.74	287.61	262.04	83.01	-4,178.64	-10,848.56	2,612.50	2,114.76	497.75	5.249				
19,000.00	7,321.00	15,805.00	6,992.74	290.06	262.04	83.01	-4,178.64	-10,848.56	2,627.29	2,135.12	492.17	5.338				
19,100.00	7,321.00	15,805.00	6,992.74	292.52	262.04	83.01	-4,178.64	-10,848.56	2,645.77	2,159.73	486.04	5.444				
19,200.00	7,321.00	15,805.00	6,992.74	294.99	262.04	83.01	-4,178.64	-10,848.56	2,667.88	2,188.48	479.40	5.565				
19,300.00	7,321.00	15,805.00	6,992.74	297.46	262.04	83.01	-4,178.64	-10,848.56	2,693.52	2,221.21	472.30	5.703				
19,400.00	7,321.00	15,805.00	6,992.74	299.94	262.04	83.01	-4,178.64	-10,848.56	2,722.59	2,257.77	464.82	5.857				
19,500.00	7,321.00	15,805.00	6,992.74	302.42	262.04	83.01	-4,178.64	-10,848.56	2,754.99	2,297.99	457.00	6.028				
19,600.00	7,321.00	15,805.00	6,992.74	304.90	262.04	83.01	-4,178.64	-10,848.56	2,790.60	2,341.69	448.91	6.216				
19,700.00	7,321.00	15,805.00	6,992.74	307.40	262.04	83.01	-4,178.64	-10,848.56	2,829.29	2,388.70	440.60	6.422				
19,800.00	7,321.00	15,805.00	6,992.74	309.89	262.04	83.01	-4,178.64	-10,848.56	2,870.95	2,438.83	432.12	6.644				
19,900.00	7,321.00	15,805.00	6,992.74	312.39	262.04	83.01	-4,178.64	-10,848.56	2,915.45	2,491.91	423.54	6.884				
20,000.00	7,321.00	15,805.00	6,992.74	314.90	262.04	83.01	-4,178.64	-10,848.56	2,962.65	2,547.76	414.89	7.141				

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 36-T7N-R67W - ICE MAN 2W-15-6N - ORIGINAL WELLBORE - WB #1 - PATT 901												Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
20,100.00	7,321.00	15,805.00	6,992.74	317.41	262.04	83.01	-4,178.64	-10,848.56	3,012.44	2,606.21	406.23	7.416	
20,200.00	7,321.00	15,805.00	6,992.74	319.92	262.04	83.01	-4,178.64	-10,848.56	3,064.68	2,667.09	397.59	7.708	
20,300.00	7,321.00	15,805.00	6,992.74	322.44	262.04	83.01	-4,178.64	-10,848.56	3,119.25	2,730.24	389.00	8.019	
20,400.00	7,321.00	15,805.00	6,992.74	324.96	262.04	83.01	-4,178.64	-10,848.56	3,176.03	2,795.52	380.51	8.347	
20,500.00	7,321.00	15,805.00	6,992.74	327.49	262.04	83.01	-4,178.64	-10,848.56	3,234.91	2,862.78	372.13	8.693	
20,600.00	7,321.00	15,805.00	6,992.74	330.02	262.04	83.01	-4,178.64	-10,848.56	3,295.77	2,931.89	363.88	9.057	
20,700.00	7,321.00	15,805.00	6,992.74	332.55	262.04	83.01	-4,178.64	-10,848.56	3,358.51	3,002.71	355.79	9.439	
20,800.00	7,321.00	15,805.00	6,992.74	335.09	262.04	83.01	-4,178.64	-10,848.56	3,423.02	3,075.14	347.88	9.840	
20,900.00	7,321.00	15,805.00	6,992.74	337.63	262.04	83.01	-4,178.64	-10,848.56	3,489.20	3,149.05	340.15	10.258	
21,000.00	7,321.00	15,805.00	6,992.74	340.17	262.04	83.01	-4,178.64	-10,848.56	3,556.96	3,224.35	332.61	10.694	
21,100.00	7,321.00	15,805.00	6,992.74	342.72	262.04	83.01	-4,178.64	-10,848.56	3,626.22	3,300.94	325.28	11.148	
21,200.00	7,321.00	15,805.00	6,992.74	345.27	262.04	83.01	-4,178.64	-10,848.56	3,696.88	3,378.73	318.15	11.620	
21,300.00	7,321.00	15,805.00	6,992.74	347.82	262.04	83.01	-4,178.64	-10,848.56	3,768.87	3,457.64	311.23	12.110	
21,400.00	7,321.00	15,805.00	6,992.74	350.38	262.04	83.01	-4,178.64	-10,848.56	3,842.12	3,537.60	304.52	12.617	
21,500.00	7,321.00	15,805.00	6,992.74	352.94	262.04	83.01	-4,178.64	-10,848.56	3,916.54	3,618.52	298.02	13.142	
21,600.00	7,321.00	15,805.00	6,992.74	355.50	262.04	83.01	-4,178.64	-10,848.56	3,992.09	3,700.35	291.74	13.684	
21,700.00	7,321.00	15,805.00	6,992.74	358.07	262.04	83.01	-4,178.64	-10,848.56	4,068.69	3,783.03	285.66	14.243	
21,746.26	7,321.00	15,805.00	6,992.74	359.25	262.04	83.01	-4,178.64	-10,848.56	4,104.47	3,821.55	282.92	14.508	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	100.50	100.50	0.27	0.14	-170.84	-1,433.13	-231.11	1,451.70	1,451.29	0.41	3,543.862		
200.00	200.00	208.19	208.18	0.63	0.46	-170.85	-1,431.94	-230.54	1,450.52	1,449.43	1.09	1,331.104		
300.00	299.98	289.61	289.59	0.97	0.74	-14.13	-1,431.25	-230.16	1,447.94	1,446.23	1.72	843.396		
400.00	399.84	371.32	371.30	1.32	1.02	-14.19	-1,431.69	-230.45	1,443.45	1,441.11	2.34	616.285		
500.00	499.45	460.90	460.87	1.68	1.33	-14.26	-1,432.96	-231.59	1,436.58	1,433.57	3.01	477.828		
600.00	598.70	541.68	541.62	2.07	1.62	-14.35	-1,434.50	-233.20	1,427.01	1,423.36	3.65	390.892		
700.00	697.47	605.00	604.85	2.48	1.84	-14.43	-1,436.89	-235.48	1,416.15	1,411.91	4.24	334.119		
800.00	795.62	682.59	682.22	2.93	2.13	-14.51	-1,441.23	-239.42	1,403.93	1,399.05	4.89	287.169		
900.00	893.06	758.12	757.39	3.41	2.41	-14.59	-1,446.63	-244.32	1,390.08	1,384.54	5.54	250.839		
1,000.00	989.64	829.43	828.19	3.93	2.68	-14.66	-1,452.76	-250.23	1,374.62	1,368.43	6.19	222.063		
1,100.00	1,085.27	891.00	889.08	4.50	2.93	-14.71	-1,459.18	-256.65	1,358.04	1,351.23	6.81	199.383		
1,200.00	1,179.82	986.00	982.59	5.11	3.33	-14.69	-1,470.40	-269.05	1,339.82	1,332.23	7.59	176.584		
1,300.00	1,273.17	1,062.99	1,058.05	5.77	3.67	-14.66	-1,480.13	-280.88	1,319.40	1,311.09	8.31	158.752		
1,400.00	1,365.21	1,141.38	1,134.61	6.48	4.04	-14.62	-1,490.71	-293.97	1,296.85	1,287.79	9.06	143.171		
1,500.00	1,455.84	1,207.25	1,198.66	7.23	4.36	-14.61	-1,500.61	-305.68	1,272.77	1,263.01	9.77	130.302		
1,600.00	1,544.94	1,272.00	1,261.12	8.04	4.69	-14.60	-1,512.26	-318.18	1,248.35	1,237.86	10.49	119.023		
1,700.00	1,632.39	1,323.94	1,310.72	8.90	4.99	-14.59	-1,522.99	-329.24	1,223.59	1,212.42	11.17	109.541		
1,800.00	1,718.11	1,388.13	1,371.28	9.81	5.36	-14.51	-1,537.71	-344.56	1,198.50	1,186.57	11.92	100.507		
1,900.00	1,801.97	1,462.00	1,440.41	10.77	5.82	-14.38	-1,555.89	-363.19	1,172.19	1,159.44	12.75	91.932		
2,000.00	1,883.88	1,530.98	1,504.30	11.78	6.29	-14.24	-1,574.01	-381.84	1,144.68	1,131.11	13.57	84.323		
2,100.00	1,963.74	1,609.06	1,575.66	12.84	6.84	-14.00	-1,595.88	-404.79	1,116.19	1,101.72	14.47	77.150		
2,200.00	2,041.45	1,692.01	1,651.31	13.95	7.46	-13.76	-1,619.53	-429.23	1,085.14	1,069.73	15.41	70.418		
2,300.00	2,116.92	1,762.00	1,714.25	15.10	8.00	-13.54	-1,640.82	-451.22	1,053.16	1,036.88	16.29	64.665		
2,400.00	2,190.05	1,816.23	1,762.13	16.31	8.47	-13.36	-1,658.56	-469.46	1,020.86	1,003.78	17.08	59.764		
2,500.00	2,260.76	1,882.60	1,819.60	17.56	9.05	-13.04	-1,681.84	-493.14	988.50	970.54	17.96	55.050		
2,600.00	2,328.95	1,953.00	1,879.63	18.85	9.70	-12.60	-1,707.21	-519.76	954.90	936.04	18.86	50.628		
2,700.00	2,394.55	2,035.20	1,948.48	20.19	10.52	-11.93	-1,737.45	-552.94	919.85	899.99	19.86	46.319		
2,800.00	2,457.48	2,104.47	2,005.24	21.57	11.24	-11.24	-1,763.73	-582.71	883.94	863.19	20.75	42.590		
2,900.00	2,518.85	2,189.96	2,073.93	22.98	12.17	-10.08	-1,797.36	-620.88	848.56	826.82	21.75	39.019		
3,000.00	2,580.20	2,278.41	2,145.70	24.39	13.14	-8.87	-1,832.30	-659.00	813.09	790.34	22.75	35.737		
3,100.00	2,641.56	2,361.36	2,211.80	25.81	14.07	-7.54	-1,865.79	-696.26	779.67	756.00	23.67	32.937		
3,200.00	2,702.91	2,474.47	2,303.46	27.23	15.32	-5.78	-1,911.30	-744.42	745.52	720.71	24.81	30.048		
3,300.00	2,764.27	2,560.15	2,374.25	28.65	16.26	-4.52	-1,945.60	-778.38	710.25	684.52	25.73	27.600		
3,400.00	2,825.62	2,630.03	2,430.54	30.08	17.03	-3.32	-1,974.93	-807.60	678.29	651.79	26.49	25.601		
3,500.00	2,886.98	2,735.64	2,515.48	31.51	18.23	-1.42	-2,020.14	-851.12	647.45	619.90	27.55	23.499		
3,600.00	2,948.33	2,835.70	2,597.69	32.95	19.33	0.32	-2,062.38	-889.43	614.88	586.30	28.58	21.515		
3,700.00	3,009.68	2,906.00	2,654.31	34.38	20.12	1.91	-2,091.81	-918.89	584.74	555.39	29.34	19.926		
3,800.00	3,071.04	2,996.41	2,725.65	35.82	21.20	4.34	-2,130.00	-959.23	557.50	527.14	30.36	18.365		
3,900.00	3,132.39	3,100.38	2,808.19	37.25	22.42	7.27	-2,174.32	-1,004.31	530.91	499.26	31.65	16.776		
4,000.00	3,193.75	3,210.15	2,897.65	38.69	23.66	10.43	-2,220.17	-1,048.36	502.36	469.20	33.17	15.147		
4,100.00	3,255.10	3,292.99	2,965.21	40.13	24.58	13.07	-2,254.83	-1,081.48	475.04	440.44	34.60	13.731		
4,200.00	3,316.46	3,384.00	3,039.54	41.58	25.60	16.22	-2,293.07	-1,117.47	448.95	412.52	36.43	12.325		
4,300.00	3,377.81	3,467.69	3,107.26	43.02	26.56	19.49	-2,328.43	-1,151.61	425.83	387.27	38.55	11.045		
4,400.00	3,439.17	3,578.01	3,195.84	44.46	27.84	24.37	-2,374.99	-1,198.02	405.76	363.94	41.82	9.702		
4,500.00	3,500.52	3,688.18	3,287.83	45.91	29.03	29.68	-2,419.10	-1,239.56	382.49	336.78	45.70	8.369		
4,600.00	3,561.88	3,766.00	3,352.88	47.35	29.86	34.07	-2,449.15	-1,269.91	362.49	312.67	49.82	7.276		
4,700.00	3,623.23	3,845.02	3,417.55	48.80	30.76	39.02	-2,479.64	-1,303.55	349.53	294.81	54.72	6.388		
4,800.00	3,684.59	3,948.34	3,501.94	50.24	31.93	45.98	-2,518.83	-1,348.44	341.64	280.47	61.17	5.585		
4,900.00	3,745.94	4,040.06	3,578.07	51.69	32.95	52.36	-2,553.26	-1,386.25	336.13	268.60	67.52	4.978		
4,960.98	3,783.36	4,095.47	3,623.60	52.57	33.57	56.07	-2,575.32	-1,408.85	335.22	263.95	71.26	4.704 CC		
5,000.00	3,807.30	4,131.04	3,652.68	53.14	33.97	58.40	-2,589.76	-1,423.38	335.58	261.98	73.60	4.560		
5,100.00	3,868.65	4,216.34	3,721.89	54.58	34.95	63.85	-2,624.80	-1,458.86	340.36	261.32	79.04	4.306 ES		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	3,930.01	4,306.16	3,793.91	56.03	36.01	69.33	-2,661.72	-1,497.81	350.95	266.81	84.14	4.171		
5,300.00	3,991.36	4,401.24	3,869.83	57.48	37.14	74.68	-2,701.47	-1,538.98	365.02	276.16	88.86	4.108		
5,400.00	4,052.72	4,497.81	3,946.72	58.93	38.29	79.58	-2,742.90	-1,580.19	381.33	288.29	93.05	4.098 SF		
5,500.00	4,114.07	4,600.74	4,028.96	60.38	39.49	84.36	-2,787.76	-1,622.83	398.89	301.93	96.96	4.114		
5,600.00	4,175.43	4,698.15	4,108.41	61.83	40.59	88.81	-2,829.45	-1,660.72	416.84	316.64	100.20	4.160		
5,700.00	4,236.78	4,787.58	4,181.42	63.28	41.60	92.57	-2,867.67	-1,695.48	437.06	334.34	102.72	4.255		
5,800.00	4,298.14	4,867.10	4,245.95	64.73	42.52	95.61	-2,901.15	-1,727.69	460.90	356.40	104.50	4.411		
5,900.00	4,359.49	4,942.61	4,306.75	66.18	43.41	98.20	-2,931.46	-1,760.63	489.69	383.89	105.80	4.629		
6,000.00	4,420.85	5,023.31	4,370.03	67.63	44.40	100.42	-2,963.70	-1,798.94	522.52	415.28	107.23	4.873		
6,100.00	4,482.20	5,129.52	4,453.61	69.08	45.71	103.06	-3,006.07	-1,848.94	556.07	446.17	109.90	5.060		
6,200.00	4,543.55	5,254.52	4,549.80	70.53	47.27	105.41	-3,062.11	-1,905.73	585.83	472.59	113.24	5.173		
6,300.00	4,604.91	5,361.14	4,635.05	71.98	48.52	107.70	-3,109.91	-1,948.26	612.66	497.28	115.38	5.310		
6,400.00	4,666.26	5,447.18	4,706.23	73.44	49.47	109.77	-3,146.63	-1,979.73	639.88	523.29	116.59	5.488		
6,500.00	4,727.62	5,527.55	4,772.29	74.89	50.36	111.48	-3,180.27	-2,010.73	669.68	552.09	117.59	5.695		
6,600.00	4,788.97	5,609.97	4,839.36	76.34	51.30	112.99	-3,214.34	-2,044.42	701.78	583.09	118.69	5.913		
6,700.00	4,850.33	5,721.36	4,928.04	77.79	52.63	114.59	-3,262.42	-2,091.63	733.69	612.75	120.95	6.066		
6,800.00	4,911.68	5,821.63	5,007.69	79.24	53.82	115.90	-3,307.15	-2,132.98	764.21	641.43	122.78	6.224		
6,900.00	4,973.04	5,906.82	5,075.51	80.70	54.83	116.95	-3,344.90	-2,168.08	795.28	671.16	124.12	6.407		
7,000.00	5,034.39	5,988.00	5,140.34	82.15	55.80	117.88	-3,379.63	-2,202.46	828.37	703.05	125.32	6.610		
7,100.00	5,095.75	6,058.13	5,196.70	83.60	56.63	118.65	-3,408.31	-2,232.76	863.59	737.49	126.10	6.849		
7,200.00	5,157.10	6,154.22	5,274.17	85.05	57.76	119.65	-3,446.78	-2,274.64	900.04	772.23	127.81	7.042		
7,300.00	5,218.46	6,242.36	5,344.31	86.51	58.83	120.40	-3,483.00	-2,313.81	936.15	806.80	129.35	7.237		
7,400.00	5,279.81	6,328.55	5,412.52	87.96	59.86	121.03	-3,518.06	-2,353.13	973.17	842.31	130.86	7.437		
7,500.00	5,341.17	6,424.06	5,490.82	89.41	60.96	121.96	-3,555.16	-2,393.31	1,010.59	878.13	132.46	7.629		
7,600.00	5,402.52	6,508.08	5,559.51	90.87	61.92	122.71	-3,588.17	-2,428.69	1,047.85	914.18	133.68	7.839		
7,700.00	5,463.88	6,610.20	5,643.67	92.32	63.07	123.60	-3,626.90	-2,471.65	1,086.54	951.08	135.46	8.021		
7,800.00	5,525.23	6,723.15	5,736.32	93.77	64.35	124.54	-3,672.74	-2,517.14	1,122.20	984.67	137.53	8.160		
7,900.00	5,586.59	6,812.13	5,808.67	95.23	65.37	125.16	-3,709.19	-2,553.95	1,158.19	1,019.23	138.97	8.334		
8,000.00	5,647.94	6,910.38	5,888.05	96.68	66.52	125.76	-3,749.71	-2,595.32	1,194.31	1,053.55	140.75	8.485		
8,100.00	5,709.30	6,998.74	5,958.95	98.13	67.57	126.24	-3,786.65	-2,632.94	1,230.15	1,087.85	142.30	8.645		
8,200.00	5,770.65	7,081.85	6,025.18	99.59	68.56	126.60	-3,821.09	-2,669.48	1,266.81	1,123.05	143.77	8.812		
8,300.00	5,832.01	7,156.70	6,085.44	101.04	69.44	126.96	-3,851.40	-2,701.91	1,304.26	1,159.35	144.91	9.001		
8,400.00	5,893.36	7,229.00	6,145.46	102.49	70.25	127.42	-3,878.37	-2,731.86	1,343.89	1,198.10	145.79	9.218		
8,500.00	5,954.72	7,433.11	6,315.35	103.95	72.45	128.82	-3,961.73	-2,808.10	1,378.85	1,228.99	149.86	9.201		
8,600.00	6,016.07	7,515.00	6,381.85	105.40	73.38	129.26	-3,998.03	-2,839.16	1,411.47	1,260.38	151.09	9.342		
8,700.00	6,077.43	7,596.29	6,446.91	106.86	74.34	129.59	-4,034.07	-2,871.95	1,444.85	1,292.39	152.46	9.477		
8,800.00	6,138.78	7,709.99	6,536.74	108.31	75.71	129.94	-4,084.69	-2,919.88	1,478.57	1,323.79	154.78	9.553		
8,900.00	6,200.13	7,802.00	6,609.13	109.76	76.82	130.19	-4,126.35	-2,958.48	1,511.49	1,354.94	156.55	9.655		
9,000.00	6,261.49	7,860.29	6,655.18	111.22	77.53	130.35	-4,152.13	-2,983.23	1,545.59	1,388.14	157.45	9.817		
9,100.00	6,322.84	7,923.44	6,705.42	112.67	78.29	130.52	-4,178.77	-3,010.66	1,581.84	1,423.41	158.43	9.985		
9,200.00	6,384.20	7,993.00	6,760.56	114.13	79.13	130.66	-4,207.47	-3,041.89	1,619.40	1,459.78	159.62	10.146		
9,300.00	6,445.55	8,075.76	6,826.20	115.58	80.14	130.82	-4,240.94	-3,079.57	1,657.87	1,496.64	161.23	10.282		
9,400.00	6,506.91	8,155.06	6,889.53	117.03	81.09	130.98	-4,272.31	-3,115.55	1,697.13	1,534.42	162.71	10.430		
9,500.00	6,568.26	8,214.01	6,936.72	118.49	81.81	131.09	-4,295.12	-3,142.54	1,737.41	1,573.87	163.54	10.624		
9,600.00	6,629.62	8,279.00	6,988.37	119.94	82.60	131.16	-4,318.73	-3,174.12	1,780.08	1,615.46	164.62	10.813		
9,700.00	6,690.97	8,279.00	6,988.37	121.40	82.60	131.16	-4,318.73	-3,174.12	1,824.98	1,661.77	163.21	11.182		
9,800.00	6,752.33	8,340.74	7,034.47	122.85	83.45	131.03	-4,339.81	-3,209.25	1,871.80	1,707.31	164.49	11.380		
9,900.00	6,813.68	8,375.00	7,057.44	124.31	83.93	130.82	-4,350.96	-3,232.07	1,921.33	1,756.73	164.60	11.673		
10,000.00	6,875.04	8,420.08	7,085.20	125.76	84.65	130.43	-4,365.01	-3,264.68	1,972.97	1,807.48	165.49	11.922		
10,100.00	6,936.39	8,470.00	7,113.22	127.22	85.46	129.90	-4,379.77	-3,303.25	2,026.62	1,859.88	166.74	12.154		
10,200.00	6,997.75	8,509.85	7,133.50	128.67	86.15	129.41	-4,391.14	-3,335.61	2,081.96	1,914.51	167.45	12.433		
10,300.00	7,059.10	8,565.00	7,158.50	130.13	87.11	128.64	-4,406.59	-3,382.26	2,138.76	1,969.53	169.23	12.638		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	7,118.86	8,565.00	7,158.50	131.62	87.11	117.81	-4,406.59	-3,382.26	2,194.16	2,027.21	166.95	13.143		
10,500.00	7,173.55	8,612.40	7,177.13	133.17	87.97	107.46	-4,418.75	-3,424.10	2,241.49	2,073.88	167.61	13.373		
10,600.00	7,221.49	8,661.00	7,193.46	134.72	88.85	99.58	-4,429.15	-3,468.67	2,280.88	2,112.86	168.02	13.575		
10,700.00	7,261.21	8,685.30	7,200.67	136.22	89.29	93.95	-4,433.85	-3,491.39	2,309.96	2,143.62	166.34	13.887		
10,800.00	7,291.51	8,756.00	7,219.02	137.61	90.60	90.18	-4,447.85	-3,558.21	2,327.13	2,159.07	168.06	13.847		
10,900.00	7,311.47	8,756.00	7,219.02	138.86	90.60	88.17	-4,447.85	-3,558.21	2,333.91	2,169.81	164.11	14.222		
11,000.00	7,320.48	8,810.96	7,230.33	139.92	91.60	87.87	-4,456.96	-3,611.19	2,328.44	2,163.93	164.51	14.154		
11,100.00	7,321.00	8,852.00	7,236.90	140.82	92.35	88.21	-4,461.17	-3,651.48	2,317.03	2,153.21	163.82	14.143		
11,200.00	7,321.00	8,852.00	7,236.90	141.74	92.35	88.21	-4,461.17	-3,651.48	2,307.73	2,148.11	159.62	14.458		
11,300.00	7,321.00	8,891.85	7,241.04	142.69	93.04	88.31	-4,463.50	-3,691.03	2,301.67	2,142.98	158.69	14.504		
11,400.00	7,321.00	8,947.00	7,241.96	143.67	94.00	88.33	-4,464.51	-3,746.13	2,298.94	2,139.94	159.00	14.459		
11,500.00	7,321.00	9,000.87	7,241.08	144.68	94.92	88.31	-4,464.49	-3,800.00	2,298.16	2,138.99	159.18	14.438		
11,600.00	7,321.00	9,229.92	7,244.54	145.73	99.06	88.39	-4,471.68	-4,028.87	2,294.89	2,120.21	174.68	13.138		
11,700.00	7,321.00	9,329.00	7,246.85	146.80	100.96	88.44	-4,478.22	-4,127.70	2,288.06	2,109.05	179.01	12.782		
11,800.00	7,321.00	9,381.29	7,247.70	147.91	101.96	88.46	-4,481.13	-4,179.90	2,282.60	2,103.32	179.27	12.733		
11,900.00	7,321.00	9,425.00	7,246.97	149.05	102.80	88.44	-4,482.26	-4,223.59	2,279.80	2,101.08	178.72	12.757		
12,000.00	7,321.00	9,543.85	7,243.12	150.22	105.08	88.34	-4,485.05	-4,342.33	2,277.30	2,092.46	184.84	12.321		
12,100.00	7,321.00	9,616.00	7,242.39	151.42	106.48	88.32	-4,485.80	-4,414.48	2,275.94	2,089.08	186.86	12.180		
12,128.08	7,321.00	9,616.00	7,242.39	151.77	106.48	88.32	-4,485.80	-4,414.48	2,275.77	2,090.17	185.60	12.262		
12,200.00	7,321.00	9,687.16	7,242.97	152.66	107.87	88.34	-4,485.61	-4,485.64	2,275.83	2,086.99	188.84	12.052		
12,300.00	7,321.00	9,794.36	7,244.94	153.93	110.00	88.39	-4,485.49	-4,592.81	2,275.72	2,081.57	194.15	11.722		
12,400.00	7,321.00	9,892.54	7,246.61	155.22	111.98	88.43	-4,485.55	-4,690.98	2,275.45	2,076.78	198.67	11.453		
12,436.57	7,321.00	9,924.52	7,246.72	155.71	112.62	88.43	-4,485.53	-4,722.96	2,275.41	2,075.44	199.97	11.379		
12,500.00	7,321.00	9,977.50	7,247.14	156.55	113.70	88.44	-4,485.31	-4,775.94	2,275.56	2,073.55	202.00	11.265		
12,600.00	7,321.00	10,058.13	7,247.73	157.91	115.36	88.46	-4,484.46	-4,856.56	2,276.42	2,071.47	204.96	11.107		
12,700.00	7,321.00	10,185.21	7,247.88	159.31	118.00	88.46	-4,483.61	-4,983.62	2,276.87	2,064.63	212.24	10.728		
12,740.85	7,321.00	10,228.84	7,248.38	159.88	118.92	88.47	-4,483.81	-5,027.24	2,276.58	2,062.12	214.46	10.615		
12,800.00	7,321.00	10,261.11	7,248.28	160.73	119.60	88.47	-4,483.57	-5,059.52	2,276.93	2,062.12	214.81	10.600		
12,900.00	7,321.00	10,340.10	7,246.92	162.18	121.27	88.44	-4,481.96	-5,138.47	2,278.80	2,061.14	217.66	10.470		
13,000.00	7,321.00	10,460.68	7,245.04	163.67	123.85	88.39	-4,479.60	-5,259.02	2,280.66	2,056.25	224.42	10.163		
13,100.00	7,321.00	10,605.78	7,242.83	165.18	127.02	88.34	-4,479.64	-5,404.09	2,280.36	2,046.90	233.46	9.768		
13,200.00	7,321.00	10,709.51	7,240.99	166.73	129.32	88.29	-4,480.03	-5,507.81	2,279.89	2,041.20	238.69	9.552		
13,300.00	7,321.00	10,871.48	7,237.24	168.30	132.98	88.19	-4,483.87	-5,669.69	2,277.31	2,028.09	249.22	9.138		
13,400.00	7,321.00	10,954.00	7,234.60	169.90	134.87	88.12	-4,486.50	-5,752.12	2,274.06	2,021.50	252.56	9.004		
13,500.00	7,321.00	11,009.14	7,233.22	171.53	136.13	88.09	-4,487.49	-5,807.23	2,272.18	2,018.77	253.41	8.967		
13,534.00	7,321.00	11,028.16	7,233.05	172.09	136.56	88.08	-4,487.58	-5,826.25	2,271.98	2,018.27	253.71	8.955		
13,600.00	7,321.00	11,080.94	7,233.22	173.19	137.77	88.09	-4,487.33	-5,879.03	2,272.14	2,016.36	255.77	8.883		
13,700.00	7,321.00	11,239.88	7,234.29	174.88	141.44	88.11	-4,488.04	-6,037.96	2,271.71	2,005.44	266.27	8.532		
13,800.00	7,321.00	11,344.68	7,234.72	176.59	143.89	88.12	-4,490.36	-6,142.73	2,269.31	1,997.56	271.75	8.351		
13,900.00	7,321.00	11,448.28	7,232.98	178.33	146.34	88.08	-4,492.87	-6,246.28	2,266.78	1,989.68	277.10	8.180		
14,000.00	7,321.00	11,527.00	7,230.09	180.09	148.20	88.00	-4,495.07	-6,324.92	2,264.09	1,983.92	280.16	8.081		
14,090.84	7,321.00	11,579.37	7,228.06	181.72	149.43	87.95	-4,495.85	-6,377.24	2,262.97	1,981.81	281.16	8.049		
14,100.00	7,321.00	11,583.35	7,227.93	181.88	149.53	87.95	-4,495.84	-6,381.22	2,262.98	1,981.85	281.14	8.049		
14,200.00	7,321.00	11,623.00	7,226.88	183.70	150.46	87.92	-4,495.27	-6,420.85	2,264.47	1,984.03	280.44	8.075		
14,300.00	7,321.00	11,687.16	7,226.48	185.54	151.96	87.91	-4,492.94	-6,484.96	2,268.03	1,985.98	282.05	8.041		
14,400.00	7,321.00	11,758.71	7,227.95	187.40	153.63	87.95	-4,488.97	-6,556.39	2,273.27	1,988.89	284.38	7.994		
14,500.00	7,321.00	11,841.36	7,229.57	189.29	155.55	88.00	-4,483.78	-6,638.86	2,279.33	1,991.52	287.81	7.919		
14,600.00	7,321.00	11,923.81	7,230.62	191.20	157.48	88.03	-4,477.86	-6,721.08	2,286.27	1,995.05	291.22	7.851		
14,700.00	7,321.00	12,195.00	7,230.70	193.13	163.96	88.04	-4,469.48	-6,992.00	2,288.22	1,975.26	312.96	7.312		
14,800.00	7,321.00	12,304.28	7,229.45	195.08	166.63	88.01	-4,469.80	-7,101.26	2,287.81	1,968.85	318.96	7.173		
14,900.00	7,321.00	12,408.29	7,226.74	197.05	169.18	87.94	-4,470.41	-7,205.24	2,287.16	1,962.70	324.46	7.049		
15,000.00	7,321.00	12,538.05	7,222.94	199.04	172.38	87.84	-4,472.22	-7,334.92	2,285.72	1,953.43	332.29	6.879		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 36-T7N-R67W - ICE MAN 2W-15-7N - ORIGINAL WELLBORE - WB #1 - PATT 901		Offset Site Error:		0.00 usft
Survey Program:		130-MWD OWSG											Offset Well Error:		0.00 usft		
Reference		Offset		Semi Major Axis		Distance											
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning				
15,100.00	7,321.00	12,652.09	7,223.70	201.06	175.21	87.86	-4,474.89	-7,448.93	2,283.16	1,944.41	338.75	6.740					
15,200.00	7,321.00	12,715.70	7,223.75	203.09	176.79	87.86	-4,476.19	-7,512.52	2,281.05	1,940.41	340.65	6.696					
15,300.00	7,321.00	12,886.44	7,226.63	205.14	181.06	87.93	-4,479.14	-7,683.18	2,279.63	1,927.40	352.23	6.472					
15,400.00	7,321.00	13,012.38	7,228.36	207.21	184.23	87.97	-4,484.04	-7,808.99	2,275.71	1,916.00	359.71	6.327					
15,500.00	7,321.00	13,093.69	7,230.34	209.29	186.29	88.01	-4,488.76	-7,890.12	2,269.86	1,906.53	363.33	6.247					
15,600.00	7,321.00	13,147.00	7,231.07	211.39	187.63	88.03	-4,489.63	-7,943.41	2,267.22	1,902.81	364.41	6.222					
15,700.00	7,321.00	13,203.34	7,231.16	213.51	189.05	88.03	-4,489.45	-7,999.75	2,266.63	1,900.97	365.65	6.199					
15,800.00	7,321.00	13,290.32	7,230.48	215.65	191.23	88.01	-4,490.16	-8,086.72	2,265.76	1,896.09	369.67	6.129					
15,804.45	7,321.00	13,292.83	7,230.43	215.74	191.29	88.01	-4,490.16	-8,089.23	2,265.76	1,896.04	369.72	6.128					
15,900.00	7,321.00	13,380.06	7,228.49	217.80	193.49	87.96	-4,489.27	-8,176.43	2,266.59	1,892.68	373.92	6.062					
16,000.00	7,321.00	13,497.54	7,228.26	219.96	196.45	87.96	-4,489.69	-8,293.91	2,265.98	1,885.18	380.80	5.951					
16,038.97	7,321.00	13,529.00	7,228.02	220.81	197.25	87.95	-4,489.69	-8,325.37	2,265.92	1,883.78	382.15	5.929					
16,100.00	7,321.00	13,587.96	7,227.57	222.14	198.74	87.94	-4,489.58	-8,384.33	2,265.95	1,880.80	385.15	5.883					
16,200.00	7,321.00	13,690.34	7,227.17	224.34	201.34	87.93	-4,489.34	-8,486.71	2,266.04	1,875.40	390.64	5.801					
16,300.00	7,321.00	13,804.94	7,225.85	226.55	204.25	87.90	-4,489.53	-8,601.30	2,265.76	1,868.51	397.24	5.704					
16,324.00	7,321.00	13,815.00	7,225.67	227.08	204.51	87.89	-4,489.59	-8,611.36	2,265.64	1,868.43	397.21	5.704					
16,400.00	7,321.00	13,853.43	7,225.26	228.77	205.48	87.88	-4,489.37	-8,649.78	2,266.10	1,868.46	397.65	5.699					
16,500.00	7,321.00	13,911.00	7,225.69	231.00	206.94	87.89	-4,487.32	-8,707.31	2,269.13	1,870.33	398.80	5.690					
16,600.00	7,321.00	13,986.68	7,226.65	233.25	208.84	87.92	-4,483.50	-8,782.89	2,273.76	1,872.09	401.68	5.661					
16,700.00	7,321.00	14,087.49	7,226.77	235.51	211.39	87.93	-4,478.83	-8,883.59	2,278.23	1,871.16	407.06	5.597					
16,800.00	7,321.00	14,419.66	7,233.03	237.78	219.93	88.08	-4,485.11	-9,215.37	2,272.52	1,838.76	433.77	5.239					
16,900.00	7,321.00	14,527.64	7,236.25	240.06	222.74	88.16	-4,491.53	-9,323.11	2,266.29	1,826.54	439.75	5.154					
17,000.00	7,321.00	14,615.80	7,237.07	242.35	225.03	88.17	-4,496.32	-9,411.14	2,260.66	1,816.59	444.07	5.091					
17,100.00	7,321.00	14,731.66	7,237.68	244.66	228.05	88.18	-4,502.79	-9,526.82	2,254.91	1,804.22	450.69	5.003					
17,200.00	7,321.00	14,827.69	7,238.53	246.97	230.55	88.20	-4,508.71	-9,622.66	2,248.56	1,792.90	455.66	4.935					
17,300.00	7,321.00	14,892.08	7,238.82	249.29	232.23	88.21	-4,512.17	-9,686.95	2,243.11	1,785.14	457.97	4.898					
17,400.00	7,321.00	14,960.00	7,237.57	251.63	233.99	88.17	-4,514.12	-9,754.83	2,239.88	1,779.43	460.46	4.864					
17,500.00	7,321.00	15,014.58	7,235.51	253.97	235.41	88.12	-4,514.77	-9,809.37	2,238.28	1,776.65	461.63	4.849					
17,600.00	7,321.00	15,093.50	7,231.87	256.32	237.45	88.02	-4,515.26	-9,888.20	2,237.66	1,772.75	464.91	4.813					
17,606.63	7,321.00	15,098.38	7,231.70	256.48	237.58	88.02	-4,515.26	-9,893.08	2,237.66	1,772.56	465.10	4.811					
17,700.00	7,321.00	15,177.90	7,230.32	258.68	239.64	87.99	-4,514.76	-9,972.58	2,238.12	1,769.39	468.73	4.775					
17,800.00	7,321.00	15,314.95	7,227.48	261.05	243.19	87.91	-4,514.75	-10,109.60	2,238.09	1,760.61	477.49	4.687					
17,893.34	7,321.00	15,385.16	7,225.78	263.27	245.02	87.87	-4,515.34	-10,179.79	2,237.33	1,757.06	480.27	4.658					
17,900.00	7,321.00	15,389.01	7,225.74	263.43	245.12	87.87	-4,515.33	-10,183.64	2,237.33	1,756.97	480.36	4.658					
18,000.00	7,321.00	15,477.65	7,226.33	265.81	247.42	87.88	-4,514.25	-10,272.27	2,238.29	1,753.66	484.62	4.619					
18,100.00	7,321.00	15,615.74	7,228.00	268.21	251.02	87.93	-4,514.78	-10,410.34	2,237.55	1,744.00	493.55	4.534					
18,183.21	7,321.00	15,675.07	7,227.84	270.21	252.57	87.92	-4,515.08	-10,469.67	2,237.03	1,741.27	495.76	4.512					
18,200.00	7,321.00	15,686.07	7,227.73	270.61	252.86	87.92	-4,515.06	-10,480.67	2,237.05	1,740.94	496.11	4.509					
18,300.00	7,321.00	15,839.13	7,224.78	273.02	256.86	87.84	-4,515.70	-10,633.68	2,236.76	1,730.47	506.29	4.418					
18,400.00	7,321.00	15,920.79	7,223.10	275.43	258.99	87.80	-4,517.00	-10,715.31	2,235.07	1,725.14	509.94	4.383					
18,500.00	7,321.00	16,013.76	7,220.43	277.86	261.43	87.73	-4,517.97	-10,808.25	2,233.98	1,719.40	514.58	4.341					
18,552.97	7,321.00	16,045.00	7,219.41	279.14	262.25	87.70	-4,518.26	-10,839.47	2,233.57	1,718.20	515.37	4.334					
18,600.00	7,321.00	16,045.00	7,219.41	280.28	262.25	87.70	-4,518.26	-10,839.47	2,234.06	1,720.72	513.34	4.352					
18,700.00	7,321.00	16,045.00	7,219.41	282.72	262.25	87.70	-4,518.26	-10,839.47	2,238.40	1,730.05	508.35	4.403					
18,800.00	7,321.00	16,045.00	7,219.41	285.16	262.25	87.70	-4,518.26	-10,839.47	2,247.18	1,744.72	502.46	4.472					
18,900.00	7,321.00	16,045.00	7,219.41	287.61	262.25	87.70	-4,518.26	-10,839.47	2,260.36	1,764.63	495.73	4.560					
19,000.00	7,321.00	16,045.00	7,219.41	290.06	262.25	87.70	-4,518.26	-10,839.47	2,277.86	1,789.62	488.23	4.665					
19,100.00	7,321.00	16,045.00	7,219.41	292.52	262.25	87.70	-4,518.26	-10,839.47	2,299.57	1,819.52	480.05	4.790					
19,200.00	7,321.00	16,045.00	7,219.41	294.99	262.25	87.70	-4,518.26	-10,839.47	2,325.39	1,854.12	471.27	4.934					
19,300.00	7,321.00	16,045.00	7,219.41	297.46	262.25	87.70	-4,518.26	-10,839.47	2,355.17	1,893.18	461.99	5.098					
19,400.00	7,321.00	16,045.00	7,219.41	299.94	262.25	87.70	-4,518.26	-10,839.47	2,388.77	1,936.47	452.30	5.281					
19,500.00	7,321.00	16,045.00	7,219.41	302.42	262.25	87.70	-4,518.26	-10,839.47	2,426.03	1,983.73	442.30	5.485					

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 36-T7N-R67W - ICE MAN 2W-15-7N - ORIGINAL WELLBORE - WB #1 - PATT 901												Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
19,600.00	7,321.00	16,045.00	7,219.41	304.90	262.25	87.70	-4,518.26	-10,839.47	2,466.78	2,034.72	432.07	5.709	
19,700.00	7,321.00	16,045.00	7,219.41	307.40	262.25	87.70	-4,518.26	-10,839.47	2,510.86	2,089.16	421.70	5.954	
19,800.00	7,321.00	16,045.00	7,219.41	309.89	262.25	87.70	-4,518.26	-10,839.47	2,558.09	2,146.83	411.26	6.220	
19,900.00	7,321.00	16,045.00	7,219.41	312.39	262.25	87.70	-4,518.26	-10,839.47	2,608.30	2,207.47	400.83	6.507	
20,000.00	7,321.00	16,045.00	7,219.41	314.90	262.25	87.70	-4,518.26	-10,839.47	2,661.32	2,270.85	390.46	6.816	
20,100.00	7,321.00	16,045.00	7,219.41	317.41	262.25	87.70	-4,518.26	-10,839.47	2,716.99	2,336.77	380.22	7.146	
20,200.00	7,321.00	16,045.00	7,219.41	319.92	262.25	87.70	-4,518.26	-10,839.47	2,775.14	2,405.01	370.13	7.498	
20,300.00	7,321.00	16,045.00	7,219.41	322.44	262.25	87.70	-4,518.26	-10,839.47	2,835.63	2,475.39	360.25	7.871	
20,400.00	7,321.00	16,045.00	7,219.41	324.96	262.25	87.70	-4,518.26	-10,839.47	2,898.31	2,547.72	350.59	8.267	
20,500.00	7,321.00	16,045.00	7,219.41	327.49	262.25	87.70	-4,518.26	-10,839.47	2,963.04	2,621.85	341.19	8.684	
20,600.00	7,321.00	16,045.00	7,219.41	330.02	262.25	87.70	-4,518.26	-10,839.47	3,029.69	2,697.63	332.06	9.124	
20,700.00	7,321.00	16,045.00	7,219.41	332.55	262.25	87.70	-4,518.26	-10,839.47	3,098.13	2,774.91	323.22	9.585	
20,800.00	7,321.00	16,045.00	7,219.41	335.09	262.25	87.70	-4,518.26	-10,839.47	3,168.25	2,853.58	314.67	10.069	
20,900.00	7,321.00	16,045.00	7,219.41	337.63	262.25	87.70	-4,518.26	-10,839.47	3,239.94	2,933.52	306.42	10.574	
21,000.00	7,321.00	16,045.00	7,219.41	340.17	262.25	87.70	-4,518.26	-10,839.47	3,313.09	3,014.63	298.47	11.100	
21,100.00	7,321.00	16,045.00	7,219.41	342.72	262.25	87.70	-4,518.26	-10,839.47	3,387.62	3,096.80	290.82	11.649	
21,200.00	7,321.00	16,045.00	7,219.41	345.27	262.25	87.70	-4,518.26	-10,839.47	3,463.43	3,179.96	283.47	12.218	
21,300.00	7,321.00	16,045.00	7,219.41	347.82	262.25	87.70	-4,518.26	-10,839.47	3,540.45	3,264.03	276.42	12.808	
21,400.00	7,321.00	16,045.00	7,219.41	350.38	262.25	87.70	-4,518.26	-10,839.47	3,618.59	3,348.93	269.65	13.419	
21,500.00	7,321.00	16,045.00	7,219.41	352.94	262.25	87.70	-4,518.26	-10,839.47	3,697.78	3,434.61	263.17	14.051	
21,600.00	7,321.00	16,045.00	7,219.41	355.50	262.25	87.70	-4,518.26	-10,839.47	3,777.96	3,521.00	256.96	14.702	
21,700.00	7,321.00	16,045.00	7,219.41	358.07	262.25	87.70	-4,518.26	-10,839.47	3,859.06	3,608.04	251.02	15.373	
21,746.26	7,321.00	16,045.00	7,219.41	359.25	262.25	87.70	-4,518.26	-10,839.47	3,896.88	3,648.52	248.36	15.690	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	-106.49	-12.75	-43.09	44.93					
100.00	100.00	100.00	100.00	0.27	0.27	-106.49	-12.75	-43.09	44.93	44.40	0.54	83.565		
200.00	200.00	200.00	200.00	0.63	0.63	-106.49	-12.75	-43.09	44.93	43.68	1.25	35.814		
300.00	299.98	299.98	299.98	0.97	0.99	52.04	-12.75	-43.09	43.84	41.88	1.96	22.397		
400.00	399.84	399.84	399.84	1.32	1.34	57.89	-12.75	-43.09	40.83	38.17	2.66	15.342		
500.00	499.45	498.88	498.86	1.68	1.68	67.02	-14.26	-43.87	37.69	34.32	3.36	11.208		
600.00	598.70	598.15	597.99	2.07	2.02	77.62	-18.83	-46.25	35.90	31.82	4.08	8.789		
661.52	659.53	659.34	658.99	2.32	2.23	84.57	-23.16	-48.50	35.59	31.03	4.56	7.811 CC		
700.00	697.47	697.66	697.13	2.48	2.37	88.95	-26.45	-50.22	35.71	30.86	4.85	7.359 ES		
800.00	795.62	797.41	796.14	2.93	2.74	99.92	-37.16	-55.80	37.17	31.50	5.67	6.561		
900.00	893.06	897.41	894.91	3.41	3.14	109.64	-50.95	-62.98	40.12	33.61	6.51	6.162		
1,000.00	989.64	997.64	993.31	3.93	3.56	117.67	-67.84	-71.78	44.28	36.90	7.38	6.001		
1,100.00	1,085.27	1,098.12	1,091.23	4.50	4.03	124.05	-87.82	-82.18	49.38	41.11	8.27	5.972		
1,200.00	1,179.82	1,198.84	1,188.53	5.11	4.53	129.00	-110.90	-94.20	55.16	45.98	9.18	6.009		
1,300.00	1,273.17	1,299.80	1,285.08	5.77	5.07	132.81	-137.06	-107.82	61.44	51.32	10.12	6.073		
1,400.00	1,365.21	1,401.01	1,380.76	6.48	5.67	135.72	-166.29	-123.05	68.10	57.01	11.09	6.141		
1,500.00	1,455.84	1,502.45	1,475.44	7.23	6.31	137.94	-198.58	-139.86	75.04	62.93	12.10	6.200		
1,600.00	1,544.94	1,604.14	1,569.00	8.04	7.01	139.63	-233.92	-158.27	82.19	69.03	13.16	6.245		
1,700.00	1,632.39	1,706.07	1,661.29	8.90	7.77	140.89	-272.27	-178.24	89.52	75.25	14.27	6.273		
1,800.00	1,718.11	1,808.24	1,752.20	9.81	8.58	141.81	-313.61	-199.77	96.98	81.54	15.44	6.283		
1,900.00	1,801.97	1,910.64	1,841.60	10.77	9.45	142.47	-357.90	-222.83	104.54	87.88	16.66	6.274		
2,000.00	1,883.88	2,013.28	1,929.35	11.78	10.37	142.91	-405.11	-247.42	112.19	94.23	17.96	6.248		
2,100.00	1,963.74	2,116.15	2,015.34	12.84	11.35	143.17	-455.19	-273.50	119.91	100.59	19.32	6.206		
2,200.00	2,041.45	2,219.26	2,099.42	13.95	12.40	143.29	-508.10	-301.06	127.68	106.92	20.76	6.150		
2,300.00	2,116.92	2,322.58	2,181.48	15.10	13.50	143.28	-563.78	-330.05	135.49	113.21	22.28	6.082		
2,400.00	2,190.05	2,426.14	2,261.40	16.31	14.65	143.17	-622.19	-360.47	143.33	119.46	23.88	6.003		
2,500.00	2,260.76	2,529.91	2,339.04	17.56	15.86	142.97	-683.24	-392.27	151.20	125.63	25.56	5.915		
2,600.00	2,328.95	2,633.90	2,414.30	18.85	17.13	142.69	-746.89	-425.41	159.07	131.74	27.34	5.819		
2,700.00	2,394.55	2,738.11	2,487.04	20.19	18.45	142.35	-813.05	-459.87	166.96	137.76	29.20	5.717		
2,800.00	2,457.48	2,839.93	2,555.83	21.57	19.79	142.07	-879.64	-494.55	175.24	144.10	31.14	5.627		
2,900.00	2,518.85	2,939.47	2,622.78	22.98	21.11	142.21	-944.97	-528.57	184.79	151.77	33.02	5.596		
3,000.00	2,580.20	3,039.01	2,689.74	24.39	22.43	142.34	-1,010.30	-562.59	194.36	159.45	34.91	5.567		
3,100.00	2,641.56	3,138.55	2,756.69	25.81	23.77	142.46	-1,075.63	-596.62	203.93	167.12	36.81	5.540		
3,200.00	2,702.91	3,238.09	2,823.64	27.23	25.10	142.57	-1,140.96	-630.64	213.49	174.78	38.72	5.514		
3,300.00	2,764.27	3,337.63	2,890.59	28.65	26.45	142.67	-1,206.29	-664.66	223.06	182.43	40.63	5.490		
3,400.00	2,825.62	3,437.17	2,957.54	30.08	27.79	142.76	-1,271.62	-698.69	232.63	190.09	42.55	5.468		
3,500.00	2,886.98	3,536.71	3,024.50	31.51	29.14	142.85	-1,336.96	-732.71	242.20	197.73	44.47	5.447		
3,600.00	2,948.33	3,636.25	3,091.45	32.95	30.49	142.93	-1,402.29	-766.73	251.77	205.38	46.39	5.427		
3,700.00	3,009.68	3,735.79	3,158.40	34.38	31.85	143.00	-1,467.62	-800.76	261.34	213.02	48.32	5.408		
3,800.00	3,071.04	3,835.33	3,225.35	35.82	33.20	143.07	-1,532.95	-834.78	270.91	220.66	50.26	5.391		
3,900.00	3,132.39	3,934.87	3,292.30	37.25	34.56	143.13	-1,598.28	-868.80	280.48	228.29	52.19	5.374		
4,000.00	3,193.75	4,034.41	3,359.25	38.69	35.92	143.19	-1,663.61	-902.83	290.05	235.92	54.13	5.359		
4,100.00	3,255.10	4,133.96	3,426.21	40.13	37.28	143.25	-1,728.94	-936.85	299.63	243.56	56.07	5.344		
4,200.00	3,316.46	4,233.50	3,493.16	41.58	38.64	143.30	-1,794.27	-970.87	309.20	251.19	58.01	5.330		
4,300.00	3,377.81	4,333.04	3,560.11	43.02	40.01	143.35	-1,859.61	-1,004.90	318.77	258.81	59.96	5.317		
4,400.00	3,439.17	4,432.58	3,627.06	44.46	41.37	143.39	-1,924.94	-1,038.92	328.34	266.44	61.90	5.304		
4,500.00	3,500.52	4,532.12	3,694.01	45.91	42.74	143.44	-1,990.27	-1,072.94	337.91	274.07	63.85	5.293		
4,600.00	3,561.88	4,631.66	3,760.97	47.35	44.10	143.48	-2,055.60	-1,106.97	347.49	281.69	65.80	5.281		
4,700.00	3,623.23	4,731.20	3,827.92	48.80	45.47	143.52	-2,120.93	-1,140.99	357.06	289.32	67.74	5.271		
4,800.00	3,684.59	4,830.74	3,894.87	50.24	46.84	143.55	-2,186.26	-1,175.01	366.63	296.94	69.69	5.261		
4,900.00	3,745.94	4,930.28	3,961.82	51.69	48.21	143.59	-2,251.59	-1,209.04	376.21	304.56	71.65	5.251		
5,000.00	3,807.30	5,029.82	4,028.77	53.14	49.58	143.62	-2,316.92	-1,243.06	385.78	312.18	73.60	5.242		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	3,868.65	5,129.36	4,095.73	54.58	50.95	143.65	-2,382.26	-1,277.08	395.35	319.80	75.55	5.233		
5,200.00	3,930.01	5,228.90	4,162.68	56.03	52.32	143.68	-2,447.59	-1,311.11	404.93	327.42	77.50	5.225		
5,300.00	3,991.36	5,328.44	4,229.63	57.48	53.69	143.71	-2,512.92	-1,345.13	414.50	335.04	79.46	5.217		
5,400.00	4,052.72	5,427.98	4,296.58	58.93	55.06	143.74	-2,578.25	-1,379.15	424.08	342.66	81.41	5.209		
5,500.00	4,114.07	5,527.52	4,363.53	60.38	56.43	143.76	-2,643.58	-1,413.18	433.65	350.28	83.37	5.201		
5,600.00	4,175.43	5,627.06	4,430.48	61.83	57.80	143.79	-2,708.91	-1,447.20	443.22	357.90	85.33	5.194		
5,700.00	4,236.78	5,726.60	4,497.44	63.28	59.18	143.81	-2,774.24	-1,481.22	452.80	365.51	87.28	5.188		
5,800.00	4,298.14	5,826.14	4,564.39	64.73	60.55	143.84	-2,839.57	-1,515.25	462.37	373.13	89.24	5.181		
5,900.00	4,359.49	5,925.68	4,631.34	66.18	61.92	143.86	-2,904.90	-1,549.27	471.95	380.75	91.20	5.175		
6,000.00	4,420.85	6,025.22	4,698.29	67.63	63.29	143.88	-2,970.24	-1,583.29	481.52	388.36	93.16	5.169		
6,100.00	4,482.20	6,124.76	4,765.24	69.08	64.67	143.90	-3,035.57	-1,617.32	491.09	395.98	95.11	5.163		
6,200.00	4,543.55	6,224.30	4,832.20	70.53	66.04	143.92	-3,100.90	-1,651.34	500.67	403.60	97.07	5.158		
6,300.00	4,604.91	6,323.85	4,899.15	71.98	67.42	143.94	-3,166.23	-1,685.36	510.24	411.21	99.03	5.152		
6,400.00	4,666.26	6,423.39	4,966.10	73.44	68.79	143.96	-3,231.56	-1,719.39	519.82	418.83	100.99	5.147		
6,500.00	4,727.62	6,522.93	5,033.05	74.89	70.16	143.97	-3,296.89	-1,753.41	529.39	426.44	102.95	5.142		
6,600.00	4,788.97	6,622.47	5,100.00	76.34	71.54	143.99	-3,362.22	-1,787.43	538.97	434.05	104.91	5.137		
6,700.00	4,850.33	6,722.01	5,166.95	77.79	72.91	144.01	-3,427.55	-1,821.46	548.54	441.67	106.87	5.133		
6,800.00	4,911.68	6,821.55	5,233.91	79.24	74.29	144.02	-3,492.89	-1,855.48	558.12	449.28	108.83	5.128		
6,900.00	4,973.04	6,921.09	5,300.86	80.70	75.66	144.04	-3,558.22	-1,889.50	567.69	456.90	110.79	5.124		
7,000.00	5,034.39	7,020.63	5,367.81	82.15	77.04	144.05	-3,623.55	-1,923.53	577.27	464.51	112.76	5.120		
7,100.00	5,095.75	7,120.17	5,434.76	83.60	78.41	144.07	-3,688.88	-1,957.55	586.84	472.12	114.72	5.116		
7,200.00	5,157.10	7,219.71	5,501.71	85.05	79.79	144.08	-3,754.21	-1,991.57	596.42	479.74	116.68	5.112		
7,300.00	5,218.46	7,319.25	5,568.67	86.51	81.17	144.09	-3,819.54	-2,025.60	605.99	487.35	118.64	5.108		
7,400.00	5,279.81	7,418.79	5,635.62	87.96	82.54	144.11	-3,884.87	-2,059.62	615.57	494.96	120.60	5.104		
7,500.00	5,341.17	7,518.33	5,702.57	89.41	83.92	144.12	-3,950.20	-2,093.64	625.14	502.58	122.57	5.100		
7,600.00	5,402.52	7,617.87	5,769.52	90.87	85.29	144.13	-4,015.53	-2,127.67	634.72	510.19	124.53	5.097		
7,700.00	5,463.88	7,717.41	5,836.47	92.32	86.67	144.14	-4,080.87	-2,161.69	644.29	517.80	126.49	5.094		
7,800.00	5,525.23	7,816.95	5,903.43	93.77	88.05	144.15	-4,146.20	-2,195.71	653.87	525.41	128.45	5.090		
7,900.00	5,586.59	7,916.49	5,970.38	95.23	89.42	144.16	-4,211.53	-2,229.74	663.44	533.03	130.42	5.087		
8,000.00	5,647.94	8,016.03	6,037.33	96.68	90.80	144.17	-4,276.86	-2,263.76	673.02	540.64	132.38	5.084		
8,100.00	5,709.30	8,115.57	6,104.28	98.13	92.18	144.19	-4,342.19	-2,297.78	682.59	548.25	134.34	5.081		
8,200.00	5,770.65	8,215.11	6,171.23	99.59	93.55	144.20	-4,407.52	-2,331.81	692.17	555.86	136.31	5.078		
8,300.00	5,832.01	8,314.65	6,238.18	101.04	94.93	144.21	-4,472.85	-2,365.83	701.74	563.47	138.27	5.075		
8,400.00	5,893.36	8,414.19	6,305.14	102.49	96.31	144.22	-4,538.18	-2,399.85	711.32	571.08	140.23	5.072		
8,500.00	5,954.72	8,513.74	6,372.09	103.95	97.68	144.22	-4,603.52	-2,433.88	720.89	578.70	142.20	5.070		
8,600.00	6,016.07	8,613.28	6,439.04	105.40	99.06	144.23	-4,668.85	-2,467.90	730.47	586.31	144.16	5.067		
8,700.00	6,077.43	8,712.82	6,505.99	106.86	100.44	144.24	-4,734.18	-2,501.92	740.04	593.92	146.12	5.065		
8,800.00	6,138.78	8,812.36	6,572.94	108.31	101.81	144.25	-4,799.51	-2,535.95	749.62	601.53	148.09	5.062		
8,900.00	6,200.13	8,911.90	6,639.90	109.76	103.19	144.26	-4,864.84	-2,569.97	759.19	609.14	150.05	5.060		
9,000.00	6,261.49	9,011.44	6,706.85	111.22	104.57	144.27	-4,930.17	-2,603.99	768.77	616.75	152.02	5.057		
9,100.00	6,322.84	9,110.98	6,773.80	112.67	105.94	144.28	-4,995.50	-2,638.02	778.34	624.36	153.98	5.055		
9,200.00	6,384.20	9,210.52	6,840.75	114.13	107.32	144.28	-5,060.83	-2,672.04	787.92	631.97	155.94	5.053		
9,300.00	6,445.55	9,310.06	6,907.70	115.58	108.70	144.29	-5,126.17	-2,706.06	797.49	639.59	157.91	5.050		
9,400.00	6,506.91	9,409.60	6,974.65	117.03	110.08	144.30	-5,191.50	-2,740.09	807.07	647.20	159.87	5.048		
9,500.00	6,568.26	9,509.14	7,041.61	118.49	111.45	144.31	-5,256.83	-2,774.11	816.64	654.81	161.84	5.046		
9,600.00	6,629.62	9,581.11	7,089.24	119.94	112.47	144.12	-5,303.31	-2,801.41	827.64	663.88	163.76	5.054		
9,700.00	6,690.97	9,650.00	7,132.24	121.40	113.49	143.41	-5,345.28	-2,835.01	842.55	675.93	166.62	5.057		
9,800.00	6,752.33	9,700.00	7,161.49	122.85	114.26	142.58	-5,373.82	-2,863.79	861.71	692.88	168.83	5.104		
9,900.00	6,813.68	9,765.77	7,197.03	124.31	115.28	141.12	-5,408.50	-2,906.86	885.36	712.68	172.68	5.127		
10,000.00	6,875.04	9,818.03	7,222.60	125.76	116.09	139.70	-5,433.46	-2,944.97	914.04	738.64	175.40	5.211		
10,100.00	6,936.39	9,865.10	7,243.41	127.22	116.81	138.25	-5,453.78	-2,981.95	947.95	770.58	177.36	5.345		
10,200.00	6,997.75	9,900.00	7,257.41	128.67	117.35	137.08	-5,467.45	-3,010.85	987.24	809.87	177.37	5.566		

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 MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 36-T7N-R67W - MAVERICK 2W-20-01 - OWB - PROPOSAL 1		Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:		0.00 usft	
Reference		Offset		Semi Major Axis		Distance							Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
10,300.00	7,059.10	9,950.00	7,275.21	130.13	118.10	135.29	-5,484.83	-3,054.21	1,031.74	852.55	179.20	5.758				
10,400.00	7,118.86	9,980.10	7,284.60	131.62	118.53	124.14	-5,493.99	-3,081.30	1,078.12	900.99	177.14	6.086				
10,500.00	7,173.55	10,017.00	7,294.69	133.17	119.06	113.51	-5,503.85	-3,115.38	1,120.48	946.17	174.31	6.428				
10,600.00	7,221.49	10,050.00	7,302.38	134.72	119.52	105.13	-5,511.36	-3,146.58	1,157.38	987.92	169.46	6.830				
10,700.00	7,261.21	10,100.00	7,311.53	136.22	120.18	98.58	-5,520.31	-3,194.90	1,187.72	1,021.44	166.28	7.143				
10,800.00	7,291.51	10,133.05	7,315.92	137.61	120.59	94.13	-5,524.60	-3,227.37	1,210.64	1,051.01	159.62	7.584				
10,900.00	7,311.47	10,172.74	7,319.40	138.86	121.06	91.31	-5,528.01	-3,266.75	1,225.67	1,072.08	153.59	7.980				
11,000.00	7,320.48	10,212.65	7,320.93	139.92	121.52	90.07	-5,529.51	-3,306.59	1,232.43	1,084.99	147.44	8.359				
11,100.00	7,321.00	10,296.58	7,321.00	140.82	122.42	90.00	-5,529.61	-3,390.52	1,232.68	1,084.15	148.53	8.299				
11,200.00	7,321.00	10,396.58	7,321.00	141.74	123.53	90.00	-5,529.64	-3,490.52	1,232.48	1,080.15	152.33	8.091				
11,300.00	7,321.00	10,496.58	7,321.00	142.69	124.67	90.00	-5,529.67	-3,590.52	1,232.28	1,076.05	156.23	7.887				
11,400.00	7,321.00	10,596.58	7,321.00	143.67	125.86	90.00	-5,529.70	-3,690.52	1,232.09	1,071.86	160.22	7.690				
11,500.00	7,321.00	10,696.58	7,321.00	144.68	127.07	90.00	-5,529.73	-3,790.52	1,231.89	1,067.59	164.30	7.498				
11,600.00	7,321.00	10,796.58	7,321.00	145.73	128.33	90.00	-5,529.76	-3,890.52	1,231.70	1,063.24	168.45	7.312				
11,700.00	7,321.00	10,896.57	7,321.00	146.80	129.62	90.00	-5,529.80	-3,990.52	1,231.50	1,058.82	172.68	7.132				
11,800.00	7,321.00	10,996.57	7,321.00	147.91	130.94	90.00	-5,529.83	-4,090.52	1,231.30	1,054.33	176.97	6.958				
11,900.00	7,321.00	11,096.57	7,321.00	149.05	132.31	90.00	-5,529.86	-4,190.52	1,231.11	1,049.78	181.33	6.789				
12,000.00	7,321.00	11,196.57	7,321.00	150.22	133.70	90.00	-5,529.89	-4,290.52	1,230.91	1,045.17	185.75	6.627				
12,100.00	7,321.00	11,296.57	7,321.00	151.42	135.14	90.00	-5,529.92	-4,390.52	1,230.72	1,040.50	190.22	6.470				
12,200.00	7,321.00	11,396.57	7,321.00	152.66	136.60	90.00	-5,529.95	-4,490.52	1,230.52	1,035.79	194.74	6.319				
12,300.00	7,321.00	11,496.57	7,321.00	153.93	138.11	90.00	-5,529.98	-4,590.52	1,230.33	1,031.02	199.30	6.173				
12,400.00	7,321.00	11,596.57	7,321.00	155.22	139.64	90.00	-5,530.02	-4,690.52	1,230.13	1,026.22	203.91	6.033				
12,500.00	7,321.00	11,696.57	7,321.00	156.55	141.21	90.00	-5,530.05	-4,790.52	1,229.93	1,021.37	208.56	5.897				
12,600.00	7,321.00	11,796.57	7,321.00	157.91	142.81	90.00	-5,530.08	-4,890.52	1,229.74	1,016.48	213.25	5.767				
12,700.00	7,321.00	11,896.57	7,321.00	159.31	144.45	90.00	-5,530.11	-4,990.52	1,229.54	1,011.56	217.98	5.641				
12,800.00	7,321.00	11,996.57	7,321.00	160.73	146.12	90.00	-5,530.14	-5,090.52	1,229.35	1,006.61	222.74	5.519				
12,900.00	7,321.00	12,096.57	7,321.00	162.18	147.81	90.00	-5,530.17	-5,190.52	1,229.15	1,001.62	227.53	5.402				
13,000.00	7,321.00	12,196.57	7,321.00	163.67	149.54	90.00	-5,530.21	-5,290.52	1,228.95	996.60	232.35	5.289				
13,100.00	7,321.00	12,296.57	7,321.00	165.18	151.30	90.00	-5,530.24	-5,390.52	1,228.76	991.56	237.20	5.180				
13,200.00	7,321.00	12,396.57	7,321.00	166.73	153.08	90.00	-5,530.27	-5,490.52	1,228.56	986.49	242.07	5.075				
13,300.00	7,321.00	12,496.57	7,321.00	168.30	154.90	90.00	-5,530.30	-5,590.52	1,228.37	981.39	246.97	4.974				
13,400.00	7,321.00	12,596.57	7,321.00	169.90	156.74	90.00	-5,530.33	-5,690.52	1,228.17	976.28	251.89	4.876				
13,500.00	7,321.00	12,696.57	7,321.00	171.53	158.61	90.00	-5,530.36	-5,790.52	1,227.97	971.14	256.84	4.781				
13,600.00	7,321.00	12,796.57	7,321.00	173.19	160.50	90.00	-5,530.39	-5,890.52	1,227.78	965.98	261.80	4.690				
13,700.00	7,321.00	12,896.57	7,321.00	174.88	162.42	90.00	-5,530.43	-5,990.52	1,227.58	960.80	266.78	4.601				
13,800.00	7,321.00	12,996.57	7,321.00	176.59	164.36	90.00	-5,530.46	-6,090.51	1,227.39	955.60	271.79	4.516				
13,900.00	7,321.00	13,096.57	7,321.00	178.33	166.33	90.00	-5,530.49	-6,190.51	1,227.19	950.39	276.81	4.433				
14,000.00	7,321.00	13,196.57	7,321.00	180.09	168.32	90.00	-5,530.52	-6,290.51	1,226.99	945.16	281.84	4.354				
14,100.00	7,321.00	13,296.57	7,321.00	181.88	170.33	90.00	-5,530.55	-6,390.51	1,226.80	939.91	286.89	4.276				
14,200.00	7,321.00	13,396.57	7,321.00	183.70	172.36	90.00	-5,530.58	-6,490.51	1,226.60	934.65	291.96	4.201				
14,300.00	7,321.00	13,496.57	7,321.00	185.54	174.42	90.00	-5,530.61	-6,590.51	1,226.41	929.37	297.04	4.129				
14,400.00	7,321.00	13,596.57	7,321.00	187.40	176.49	90.00	-5,530.65	-6,690.51	1,226.21	924.08	302.13	4.059				
14,500.00	7,321.00	13,696.57	7,321.00	189.29	178.59	90.00	-5,530.68	-6,790.51	1,226.02	918.78	307.23	3.990				
14,600.00	7,321.00	13,796.57	7,321.00	191.20	180.70	90.00	-5,530.71	-6,890.51	1,225.82	913.47	312.35	3.924				
14,700.00	7,321.00	13,896.57	7,321.00	193.13	182.83	90.00	-5,530.74	-6,990.51	1,225.62	908.14	317.48	3.860				
14,800.00	7,321.00	13,996.57	7,321.00	195.08	184.98	90.00	-5,530.77	-7,090.51	1,225.43	902.81	322.62	3.798				
14,900.00	7,321.00	14,096.57	7,321.00	197.05	187.15	90.00	-5,530.80	-7,190.51	1,225.23	897.46	327.77	3.738				
15,000.00	7,321.00	14,196.57	7,321.00	199.04	189.33	90.00	-5,530.83	-7,290.51	1,225.04	892.11	332.93	3.680				
15,100.00	7,321.00	14,296.57	7,321.00	201.06	191.53	90.00	-5,530.87	-7,390.51	1,224.84	886.74	338.10	3.623				
15,200.00	7,321.00	14,396.57	7,321.00	203.09	193.74	90.00	-5,530.90	-7,490.51	1,224.65	881.37	343.28	3.567				
15,300.00	7,321.00	14,496.57	7,321.00	205.14	195.97	90.00	-5,530.93	-7,590.51	1,224.45	875.98	348.47	3.514				
15,400.00	7,321.00	14,596.57	7,321.00	207.21	198.21	90.00	-5,530.96	-7,690.51	1,224.25	870.59	353.66	3.462				

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 36-T7N-R67W - MAVERICK 2W-20-01 - OWB - PROPOSAL 1		Offset Site Error: 0.00 usft	
Survey Program: 0-MWD OWSG													Offset Well Error: 0.00 usft			
Reference		Offset		Semi Major Axis		Distance							Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
15,500.00	7,321.00	14,696.57	7,321.00	209.29	200.47	90.00	-5,530.99	-7,790.51	1,224.06	865.19	358.86	3.411				
15,600.00	7,321.00	14,796.57	7,321.00	211.39	202.73	90.00	-5,531.02	-7,890.51	1,223.86	859.79	364.07	3.362				
15,700.00	7,321.00	14,896.57	7,321.00	213.51	205.02	90.00	-5,531.06	-7,990.51	1,223.67	854.37	369.29	3.314				
15,800.00	7,321.00	14,996.57	7,321.00	215.65	207.31	90.00	-5,531.09	-8,090.51	1,223.47	848.95	374.52	3.267				
15,900.00	7,321.00	15,096.57	7,321.00	217.80	209.62	90.00	-5,531.12	-8,190.51	1,223.27	843.53	379.75	3.221				
16,000.00	7,321.00	15,196.57	7,321.00	219.96	211.93	90.00	-5,531.15	-8,290.51	1,223.08	838.09	384.99	3.177				
16,100.00	7,321.00	15,296.57	7,321.00	222.14	214.26	90.00	-5,531.18	-8,390.51	1,222.88	832.65	390.23	3.134				
16,200.00	7,321.00	15,396.57	7,321.00	224.34	216.60	90.00	-5,531.21	-8,490.51	1,222.69	827.21	395.48	3.092				
16,300.00	7,321.00	15,496.57	7,321.00	226.55	218.95	90.00	-5,531.24	-8,590.51	1,222.49	821.76	400.73	3.051				
16,400.00	7,321.00	15,596.57	7,321.00	228.77	221.31	90.00	-5,531.28	-8,690.51	1,222.29	816.30	406.00	3.011				
16,500.00	7,321.00	15,696.57	7,321.00	231.00	223.68	90.00	-5,531.31	-8,790.51	1,222.10	810.84	411.26	2.972				
16,600.00	7,321.00	15,796.57	7,321.00	233.25	226.06	90.00	-5,531.34	-8,890.51	1,221.90	805.37	416.53	2.934				
16,700.00	7,321.00	15,896.57	7,321.00	235.51	228.45	90.00	-5,531.37	-8,990.51	1,221.71	799.90	421.81	2.896				
16,800.00	7,321.00	15,996.57	7,321.00	237.78	230.84	90.00	-5,531.40	-9,090.51	1,221.51	794.42	427.09	2.860				
16,900.00	7,321.00	16,096.56	7,321.00	240.06	233.25	90.00	-5,531.43	-9,190.51	1,221.32	788.94	432.37	2.825				
17,000.00	7,321.00	16,196.56	7,321.00	242.35	235.66	90.00	-5,531.46	-9,290.51	1,221.12	783.46	437.66	2.790				
17,100.00	7,321.00	16,296.56	7,321.00	244.66	238.08	90.00	-5,531.50	-9,390.51	1,220.92	777.97	442.95	2.756				
17,200.00	7,321.00	16,396.56	7,321.00	246.97	240.51	90.00	-5,531.53	-9,490.51	1,220.73	772.48	448.25	2.723				
17,300.00	7,321.00	16,496.56	7,321.00	249.29	242.95	90.00	-5,531.56	-9,590.51	1,220.53	766.98	453.55	2.691				
17,400.00	7,321.00	16,596.56	7,321.00	251.63	245.39	90.00	-5,531.59	-9,690.51	1,220.34	761.48	458.86	2.660				
17,500.00	7,321.00	16,696.56	7,321.00	253.97	247.84	90.00	-5,531.62	-9,790.51	1,220.14	755.97	464.17	2.629				
17,600.00	7,321.00	16,796.56	7,321.00	256.32	250.29	90.00	-5,531.65	-9,890.51	1,219.94	750.47	469.48	2.599				
17,700.00	7,321.00	16,896.56	7,321.00	258.68	252.76	90.00	-5,531.68	-9,990.51	1,219.75	744.96	474.79	2.569				
17,800.00	7,321.00	16,996.56	7,321.00	261.05	255.22	90.00	-5,531.72	-10,090.51	1,219.55	739.44	480.11	2.540				
17,900.00	7,321.00	17,096.56	7,321.00	263.43	257.70	90.00	-5,531.75	-10,190.51	1,219.36	733.92	485.43	2.512				
18,000.00	7,321.00	17,196.56	7,321.00	265.81	260.18	90.00	-5,531.78	-10,290.51	1,219.16	728.40	490.76	2.484				
18,100.00	7,321.00	17,296.56	7,321.00	268.21	262.67	90.00	-5,531.81	-10,390.51	1,218.96	722.88	496.09	2.457				
18,200.00	7,321.00	17,396.56	7,321.00	270.61	265.16	90.00	-5,531.84	-10,490.51	1,218.77	717.35	501.42	2.431				
18,300.00	7,321.00	17,496.56	7,321.00	273.02	267.65	90.00	-5,531.87	-10,590.51	1,218.57	711.82	506.75	2.405				
18,400.00	7,321.00	17,596.56	7,321.00	275.43	270.16	90.00	-5,531.91	-10,690.51	1,218.38	706.29	512.08	2.379				
18,500.00	7,321.00	17,696.56	7,321.00	277.86	272.66	90.00	-5,531.94	-10,790.51	1,218.18	700.76	517.42	2.354				
18,600.00	7,321.00	17,796.56	7,321.00	280.28	275.17	90.00	-5,531.97	-10,890.51	1,217.99	695.22	522.76	2.330				
18,700.00	7,321.00	17,896.56	7,321.00	282.72	277.69	90.00	-5,532.00	-10,990.51	1,217.79	689.68	528.11	2.306				
18,800.00	7,321.00	17,996.56	7,321.00	285.16	280.21	90.00	-5,532.03	-11,090.51	1,217.59	684.14	533.45	2.282				
18,900.00	7,321.00	18,153.37	7,321.00	287.61	284.20	90.00	-5,535.21	-11,247.27	1,215.60	667.44	548.16	2.218				
19,000.00	7,321.00	18,326.16	7,321.00	290.06	288.64	90.00	-5,548.53	-11,419.51	1,207.72	643.84	563.88	2.142				
19,100.00	7,321.00	18,496.69	7,321.00	292.52	293.07	90.00	-5,571.83	-11,588.42	1,193.88	616.39	577.49	2.067				
19,200.00	7,321.00	18,602.29	7,321.00	294.99	295.82	90.00	-5,589.94	-11,692.46	1,176.56	593.12	583.43	2.017				
19,300.00	7,321.00	18,700.77	7,321.00	297.46	298.38	90.00	-5,606.88	-11,789.47	1,159.20	570.55	588.65	1.969				
19,400.00	7,321.00	18,799.26	7,321.00	299.94	300.95	90.00	-5,623.81	-11,886.48	1,141.84	547.97	593.86	1.923				
19,500.00	7,321.00	18,897.74	7,321.00	302.42	303.51	90.00	-5,640.75	-11,983.50	1,124.48	525.40	599.08	1.877				
19,600.00	7,321.00	18,996.22	7,321.00	304.90	306.08	90.00	-5,657.68	-12,080.51	1,107.12	502.82	604.30	1.832				
19,700.00	7,321.00	19,094.70	7,321.00	307.40	308.65	90.00	-5,674.62	-12,177.53	1,089.76	480.24	609.52	1.788				
19,800.00	7,321.00	19,193.18	7,321.00	309.89	311.22	90.00	-5,691.56	-12,274.54	1,072.40	457.66	614.74	1.744				
19,900.00	7,321.00	19,291.66	7,321.00	312.39	313.79	90.00	-5,708.49	-12,371.56	1,055.04	435.08	619.97	1.702				
20,000.00	7,321.00	19,390.15	7,321.00	314.90	316.36	90.00	-5,725.43	-12,468.57	1,037.68	412.49	625.19	1.660				
20,100.00	7,321.00	19,488.63	7,321.00	317.41	318.93	90.00	-5,742.37	-12,565.59	1,020.32	389.90	630.42	1.618				
20,200.00	7,321.00	19,587.11	7,321.00	319.92	321.51	90.00	-5,759.30	-12,662.60	1,002.96	367.32	635.65	1.578				
20,300.00	7,321.00	19,685.59	7,321.00	322.44	324.08	90.00	-5,776.24	-12,759.62	985.61	344.73	640.88	1.538				
20,400.00	7,321.00	19,784.07	7,321.00	324.96	326.26	90.00	-5,790.23	-12,841.80	968.71	324.35	644.37	1.503				
20,500.00	7,321.00	19,843.04	7,321.00	327.49	328.20	90.00	-5,800.88	-12,915.11	954.17	307.75	646.42	1.476	Level 3			
20,600.00	7,321.00	19,917.64	7,321.00	330.02	330.15	90.00	-5,809.69	-12,989.18	942.20	294.10	648.09	1.454	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 MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 36-T7N-R67W - MAVERICK 2W-20-01 - OWB - PROPOSAL 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
20,700.00	7,321.00	20,000.00	7,321.00	332.55	332.30	90.00	-5,817.17	-13,071.20	932.86	282.23	650.63	1.434	Level 3
20,800.00	7,321.00	20,067.98	7,321.00	335.09	334.07	90.00	-5,821.57	-13,139.04	926.06	275.83	650.24	1.424	Level 3
20,900.00	7,321.00	20,143.53	7,321.00	337.63	336.02	90.00	-5,824.56	-13,214.53	921.93	271.24	650.69	1.417	Level 3
21,000.00	7,321.00	20,219.19	7,321.00	340.17	337.98	90.00	-5,825.57	-13,290.18	920.44	269.72	650.72	1.414	Level 3
21,006.50	7,321.00	20,224.11	7,321.00	340.34	338.10	90.00	-5,825.56	-13,295.10	920.43	269.73	650.71	1.415	Level 3
21,100.00	7,321.00	20,312.01	7,321.00	342.72	340.36	90.00	-5,824.94	-13,383.00	920.93	266.49	654.45	1.407	Level 3
21,200.00	7,321.00	20,412.01	7,321.00	345.27	342.94	90.00	-5,824.16	-13,482.99	921.54	261.71	659.83	1.397	Level 3
21,300.00	7,321.00	20,512.01	7,321.00	347.82	345.51	90.00	-5,823.39	-13,582.99	922.15	256.93	665.22	1.386	Level 3
21,400.00	7,321.00	20,612.01	7,321.00	350.38	348.09	90.00	-5,822.62	-13,682.98	922.76	252.15	670.61	1.376	Level 3
21,500.00	7,321.00	20,712.00	7,321.00	352.94	350.67	90.00	-5,821.84	-13,782.98	923.37	247.37	676.00	1.366	Level 3
21,600.00	7,321.00	20,812.00	7,321.00	355.50	353.25	90.00	-5,821.07	-13,882.97	923.98	242.59	681.39	1.356	Level 3
21,700.00	7,321.00	20,912.00	7,321.00	358.07	355.84	90.00	-5,820.30	-13,982.97	924.59	237.81	686.78	1.346	Level 3
21,746.26	7,321.00	20,958.26	7,321.00	359.25	357.04	90.00	-5,819.94	-14,029.22	924.87	235.60	689.27	1.342	Level 3, SF

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	-107.02	-6.55	-21.40	22.38					
100.00	100.00	100.00	100.00	0.27	0.27	-107.02	-6.55	-21.40	22.38	21.85	0.54	41.630		
200.00	200.00	200.00	200.00	0.63	0.63	-107.02	-6.55	-21.40	22.38	21.13	1.25	17.842		
300.00	299.98	299.98	299.98	0.97	0.99	53.33	-6.55	-21.40	21.30	19.34	1.96	10.882		
400.00	399.84	399.52	399.50	1.32	1.33	61.73	-8.12	-22.14	19.47	16.82	2.64	7.365		
500.00	499.45	499.17	499.01	1.68	1.67	71.78	-12.81	-24.37	18.25	14.90	3.35	5.455		
600.00	598.70	598.95	598.41	2.07	2.02	82.95	-20.64	-28.08	17.79	13.70	4.09	4.347		
606.34	604.98	605.28	604.70	2.10	2.05	83.68	-21.24	-28.36	17.79	13.64	4.14	4.294 CC		
700.00	697.47	698.85	697.56	2.48	2.40	94.26	-31.60	-33.27	18.15	13.27	4.89	3.715		
800.00	795.62	798.87	796.35	2.93	2.81	104.65	-45.71	-39.96	19.31	13.58	5.72	3.374		
900.00	893.06	899.01	894.66	3.41	3.24	113.47	-62.94	-48.12	21.13	14.55	6.58	3.209		
1,000.00	989.64	999.28	992.36	3.93	3.71	120.58	-83.30	-57.77	23.48	16.01	7.47	3.143		
1,100.00	1,085.27	1,099.67	1,089.32	4.50	4.23	126.14	-106.76	-68.89	26.22	17.84	8.37	3.131		
1,200.00	1,179.82	1,200.18	1,185.44	5.11	4.78	130.44	-133.31	-81.47	29.24	19.94	9.30	3.143		
1,300.00	1,273.17	1,300.81	1,280.57	5.77	5.39	133.73	-162.93	-95.50	32.47	22.21	10.26	3.164		
1,400.00	1,365.21	1,401.56	1,374.62	6.48	6.04	136.26	-195.59	-110.98	35.86	24.60	11.26	3.185		
1,500.00	1,455.84	1,502.43	1,467.44	7.23	6.74	138.18	-231.27	-127.89	39.37	27.07	12.30	3.202		
1,600.00	1,544.94	1,603.42	1,558.92	8.04	7.50	139.64	-269.92	-146.20	42.97	29.59	13.38	3.211		
1,700.00	1,632.39	1,704.54	1,648.94	8.90	8.31	140.72	-311.51	-165.91	46.64	32.12	14.52	3.213		
1,800.00	1,718.11	1,805.76	1,737.38	9.81	9.17	141.52	-356.00	-186.99	50.36	34.65	15.71	3.206		
1,900.00	1,801.97	1,907.11	1,824.13	10.77	10.09	142.07	-403.34	-209.43	54.13	37.16	16.96	3.191		
2,000.00	1,883.88	2,008.57	1,909.06	11.78	11.06	142.44	-453.49	-233.19	57.93	39.64	18.28	3.168		
2,100.00	1,963.74	2,110.14	1,992.07	12.84	12.09	142.65	-506.38	-258.25	61.75	42.08	19.67	3.139		
2,200.00	2,041.45	2,211.82	2,073.04	13.95	13.17	142.72	-561.96	-284.59	65.60	44.46	21.14	3.103		
2,300.00	2,116.92	2,313.61	2,151.86	15.10	14.30	142.68	-620.16	-312.17	69.46	46.78	22.68	3.063		
2,400.00	2,190.05	2,415.51	2,228.42	16.31	15.48	142.56	-680.92	-340.96	73.33	49.03	24.30	3.017		
2,500.00	2,260.76	2,517.52	2,302.61	17.56	16.72	142.35	-744.17	-370.93	77.21	51.20	26.01	2.969		
2,600.00	2,328.95	2,619.63	2,374.34	18.85	18.01	142.07	-809.84	-402.05	81.08	53.29	27.80	2.917		
2,700.00	2,394.55	2,721.84	2,443.50	20.19	19.34	141.74	-877.84	-434.27	84.96	55.28	29.68	2.863		
2,800.00	2,457.48	2,824.15	2,510.00	21.57	20.72	141.35	-948.10	-467.56	88.83	57.18	31.65	2.807		
2,900.00	2,518.85	2,925.73	2,573.39	22.98	22.14	140.46	-1,019.83	-501.55	91.69	57.78	33.92	2.704		
3,000.00	2,580.20	3,025.69	2,635.13	24.39	23.54	139.32	-1,090.86	-535.21	93.99	57.58	36.41	2.581		
3,100.00	2,641.56	3,125.64	2,696.88	25.81	24.96	138.23	-1,161.89	-568.87	96.32	57.36	38.96	2.472		
3,200.00	2,702.91	3,225.60	2,758.63	27.23	26.38	137.20	-1,232.92	-602.53	98.69	57.15	41.55	2.376		
3,300.00	2,764.27	3,325.56	2,820.38	28.65	27.80	136.21	-1,303.95	-636.18	101.09	56.93	44.17	2.289		
3,400.00	2,825.62	3,425.51	2,882.13	30.08	29.23	135.27	-1,374.98	-669.84	103.52	56.70	46.82	2.211		
3,500.00	2,886.98	3,525.47	2,943.88	31.51	30.66	134.38	-1,446.02	-703.50	105.97	56.48	49.50	2.141		
3,600.00	2,948.33	3,625.42	3,005.63	32.95	32.09	133.52	-1,517.05	-737.16	108.45	56.25	52.20	2.078		
3,700.00	3,009.68	3,725.38	3,067.38	34.38	33.52	132.71	-1,588.08	-770.82	110.95	56.03	54.92	2.020		
3,800.00	3,071.04	3,825.34	3,129.13	35.82	34.96	131.92	-1,659.11	-804.48	113.47	55.81	57.67	1.968		
3,900.00	3,132.39	3,925.29	3,190.88	37.25	36.40	131.18	-1,730.14	-838.14	116.01	55.59	60.43	1.920		
4,000.00	3,193.75	4,025.25	3,252.62	38.69	37.84	130.46	-1,801.17	-871.80	118.58	55.37	63.20	1.876		
4,100.00	3,255.10	4,125.21	3,314.37	40.13	39.28	129.78	-1,872.20	-905.45	121.16	55.16	65.99	1.836		
4,200.00	3,316.46	4,225.16	3,376.12	41.58	40.73	129.12	-1,943.24	-939.11	123.75	54.96	68.79	1.799		
4,300.00	3,377.81	4,325.12	3,437.87	43.02	42.17	128.49	-2,014.27	-972.77	126.36	54.76	71.60	1.765		
4,400.00	3,439.17	4,425.08	3,499.62	44.46	43.62	127.89	-2,085.30	-1,006.43	128.99	54.56	74.42	1.733		
4,500.00	3,500.52	4,525.03	3,561.37	45.91	45.06	127.31	-2,156.33	-1,040.09	131.63	54.37	77.25	1.704		
4,600.00	3,561.88	4,624.99	3,623.12	47.35	46.51	126.76	-2,227.36	-1,073.75	134.28	54.19	80.09	1.677		
4,700.00	3,623.23	4,724.95	3,684.87	48.80	47.96	126.22	-2,298.39	-1,107.41	136.95	54.01	82.93	1.651		
4,800.00	3,684.59	4,824.90	3,746.62	50.24	49.41	125.71	-2,369.42	-1,141.06	139.62	53.84	85.78	1.628		
4,900.00	3,745.94	4,924.86	3,808.36	51.69	50.86	125.21	-2,440.45	-1,174.72	142.31	53.67	88.64	1.605		
5,000.00	3,807.30	5,024.82	3,870.11	53.14	52.31	124.74	-2,511.49	-1,208.38	145.01	53.51	91.50	1.585		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 36-T7N-R67W - MAVERICK 2W-20-02 - OWB - PROPOSAL 1		Offset Site Error: 0.00 usft	
Survey Program: 0-MWD OWSG													Offset Well Error: 0.00 usft			
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
5,100.00	3,868.65	5,124.77	3,931.86	54.58	53.76	124.28	-2,582.52	-1,242.04	147.71	53.35	94.36	1.565				
5,200.00	3,930.01	5,224.73	3,993.61	56.03	55.21	123.83	-2,653.55	-1,275.70	150.43	53.20	97.23	1.547				
5,300.00	3,991.36	5,324.69	4,055.36	57.48	56.67	123.41	-2,724.58	-1,309.36	153.15	53.05	100.10	1.530				
5,400.00	4,052.72	5,424.64	4,117.11	58.93	58.12	123.00	-2,795.61	-1,343.02	155.89	52.91	102.98	1.514				
5,500.00	4,114.07	5,524.60	4,178.86	60.38	59.57	122.60	-2,866.64	-1,376.68	158.63	52.77	105.86	1.499 Level 3				
5,600.00	4,175.43	5,624.55	4,240.61	61.83	61.02	122.21	-2,937.67	-1,410.33	161.37	52.64	108.74	1.484 Level 3				
5,700.00	4,236.78	5,724.51	4,302.36	63.28	62.48	121.84	-3,008.71	-1,443.99	164.13	52.51	111.62	1.470 Level 3				
5,800.00	4,298.14	5,824.47	4,364.10	64.73	63.93	121.48	-3,079.74	-1,477.65	166.89	52.39	114.50	1.458 Level 3				
5,900.00	4,359.49	5,924.42	4,425.85	66.18	65.39	121.14	-3,150.77	-1,511.31	169.66	52.27	117.39	1.445 Level 3				
6,000.00	4,420.85	6,024.38	4,487.60	67.63	66.84	120.80	-3,221.80	-1,544.97	172.43	52.16	120.27	1.434 Level 3				
6,100.00	4,482.20	6,124.34	4,549.35	69.08	68.30	120.47	-3,292.83	-1,578.63	175.21	52.05	123.16	1.423 Level 3				
6,200.00	4,543.55	6,224.29	4,611.10	70.53	69.75	120.16	-3,363.86	-1,612.29	178.00	51.94	126.05	1.412 Level 3				
6,300.00	4,604.91	6,324.25	4,672.85	71.98	71.21	119.85	-3,434.89	-1,645.94	180.79	51.84	128.94	1.402 Level 3				
6,400.00	4,666.26	6,424.21	4,734.60	73.44	72.66	119.56	-3,505.93	-1,679.60	183.58	51.75	131.84	1.393 Level 3				
6,500.00	4,727.62	6,524.16	4,796.35	74.89	74.12	119.27	-3,576.96	-1,713.26	186.38	51.66	134.73	1.383 Level 3				
6,600.00	4,788.97	6,624.12	4,858.10	76.34	75.57	118.99	-3,647.99	-1,746.92	189.19	51.57	137.62	1.375 Level 3				
6,700.00	4,850.33	6,724.08	4,919.85	77.79	77.03	118.72	-3,719.02	-1,780.58	192.00	51.48	140.52	1.366 Level 3				
6,800.00	4,911.68	6,824.03	4,981.59	79.24	78.49	118.46	-3,790.05	-1,814.24	194.81	51.40	143.41	1.358 Level 3				
6,900.00	4,973.04	6,923.99	5,043.34	80.70	79.94	118.20	-3,861.08	-1,847.90	197.63	51.32	146.31	1.351 Level 3				
7,000.00	5,034.39	7,023.95	5,105.09	82.15	81.40	117.95	-3,932.11	-1,881.56	200.45	51.25	149.20	1.343 Level 3				
7,100.00	5,095.75	7,123.90	5,166.84	83.60	82.86	117.71	-4,003.15	-1,915.21	203.27	51.18	152.10	1.336 Level 3				
7,200.00	5,157.10	7,223.86	5,228.59	85.05	84.31	117.48	-4,074.18	-1,948.87	206.10	51.11	155.00	1.330 Level 3				
7,300.00	5,218.46	7,323.81	5,290.34	86.51	85.77	117.25	-4,145.21	-1,982.53	208.93	51.04	157.89	1.323 Level 3				
7,400.00	5,279.81	7,423.77	5,352.09	87.96	87.23	117.03	-4,216.24	-2,016.19	211.77	50.98	160.79	1.317 Level 3				
7,500.00	5,341.17	7,523.73	5,413.84	89.41	88.68	116.81	-4,287.27	-2,049.85	214.61	50.92	163.69	1.311 Level 3				
7,600.00	5,402.52	7,623.68	5,475.59	90.87	90.14	116.60	-4,358.30	-2,083.51	217.45	50.86	166.58	1.305 Level 3				
7,700.00	5,463.88	7,723.64	5,537.33	92.32	91.60	116.40	-4,429.33	-2,117.17	220.29	50.81	169.48	1.300 Level 3				
7,800.00	5,525.23	7,823.60	5,599.08	93.77	93.06	116.20	-4,500.37	-2,150.82	223.14	50.76	172.38	1.294 Level 3				
7,900.00	5,586.59	7,923.55	5,660.83	95.23	94.51	116.00	-4,571.40	-2,184.48	225.99	50.71	175.28	1.289 Level 3				
8,000.00	5,647.94	8,023.51	5,722.58	96.68	95.97	115.81	-4,642.43	-2,218.14	228.84	50.67	178.17	1.284 Level 3				
8,100.00	5,709.30	8,123.47	5,784.33	98.13	97.43	115.62	-4,713.46	-2,251.80	231.69	50.62	181.07	1.280 Level 3				
8,200.00	5,770.65	8,223.42	5,846.08	99.59	98.89	115.44	-4,784.49	-2,285.46	234.55	50.58	183.97	1.275 Level 3				
8,300.00	5,832.01	8,323.38	5,907.83	101.04	100.35	115.27	-4,855.52	-2,319.12	237.41	50.54	186.87	1.270 Level 3				
8,400.00	5,893.36	8,423.34	5,969.58	102.49	101.80	115.10	-4,926.55	-2,352.78	240.27	50.51	189.76	1.266 Level 3				
8,500.00	5,954.72	8,523.29	6,031.33	103.95	103.26	114.93	-4,997.59	-2,386.44	243.13	50.47	192.66	1.262 Level 3				
8,600.00	6,016.07	8,623.25	6,093.08	105.40	104.72	114.76	-5,068.62	-2,420.09	246.00	50.44	195.56	1.258 Level 3				
8,700.00	6,077.43	8,723.21	6,154.82	106.86	106.18	114.60	-5,139.65	-2,453.75	248.86	50.41	198.46	1.254 Level 3				
8,800.00	6,138.78	8,823.16	6,216.57	108.31	107.64	114.44	-5,210.68	-2,487.41	251.73	50.38	201.35	1.250 Level 3				
8,900.00	6,200.13	8,923.12	6,278.32	109.76	109.10	114.29	-5,281.71	-2,521.07	254.60	50.36	204.25	1.247 Level 2				
9,000.00	6,261.49	9,023.08	6,340.07	111.22	110.55	114.14	-5,352.74	-2,554.73	257.48	50.33	207.15	1.243 Level 2				
9,100.00	6,322.84	9,123.03	6,401.82	112.67	112.01	113.99	-5,423.77	-2,588.39	260.35	50.31	210.04	1.240 Level 2				
9,200.00	6,384.20	9,222.99	6,463.57	114.13	113.47	113.85	-5,494.81	-2,622.05	263.23	50.29	212.94	1.236 Level 2				
9,300.00	6,445.55	9,322.94	6,525.32	115.58	114.93	113.71	-5,565.84	-2,655.70	266.11	50.27	215.83	1.233 Level 2				
9,400.00	6,506.91	9,422.90	6,587.07	117.03	116.39	113.57	-5,636.87	-2,689.36	268.98	50.25	218.73	1.230 Level 2				
9,500.00	6,568.26	9,522.86	6,648.82	118.49	117.85	113.44	-5,707.90	-2,723.02	271.87	50.24	221.63	1.227 Level 2				
9,600.00	6,629.62	9,622.81	6,710.56	119.94	119.31	113.31	-5,778.93	-2,756.68	274.75	50.23	224.52	1.224 Level 2				
9,700.00	6,690.97	9,713.42	6,766.41	121.40	120.64	113.12	-5,843.18	-2,787.68	278.20	51.01	227.19	1.225 Level 2				
9,800.00	6,752.33	9,784.58	6,808.47	122.85	121.72	112.12	-5,891.54	-2,818.51	289.42	60.64	228.78	1.265 Level 3				
9,900.00	6,813.68	9,850.00	6,844.65	124.31	122.74	110.37	-5,933.14	-2,853.65	310.61	82.36	228.26	1.361 Level 3				
10,000.00	6,875.04	9,915.54	6,878.04	125.76	123.78	108.06	-5,971.51	-2,894.93	341.62	115.04	226.58	1.508				
10,100.00	6,936.39	9,972.96	6,904.58	127.22	124.69	105.76	-6,002.02	-2,935.66	382.01	160.17	221.84	1.722				
10,200.00	6,997.75	10,024.46	6,926.02	128.67	125.49	103.63	-6,026.63	-2,975.48	430.94	215.91	215.03	2.004				

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
10,300.00	7,059.10	10,070.20	6,943.02	130.13	126.19	101.74	-6,046.15	-3,013.17	487.37	280.50	206.87	2.356		
10,400.00	7,118.86	10,112.97	6,957.09	131.62	126.83	91.45	-6,062.30	-3,050.18	545.28	347.66	197.62	2.759		
10,500.00	7,173.55	10,150.00	6,967.78	133.17	127.37	82.54	-6,074.56	-3,083.44	596.24	411.19	185.05	3.222		
10,600.00	7,221.49	10,200.00	6,979.94	134.72	128.06	75.56	-6,088.49	-3,129.88	639.21	463.89	175.32	3.646		
10,700.00	7,261.21	10,250.00	6,989.40	136.22	128.71	70.45	-6,099.32	-3,177.75	673.90	509.31	164.59	4.095		
10,800.00	7,291.51	10,300.00	6,996.09	137.61	129.32	66.91	-6,106.95	-3,226.69	699.88	546.80	153.07	4.572		
10,900.00	7,311.47	10,334.37	6,999.05	138.86	129.71	64.79	-6,110.31	-3,260.76	716.48	580.37	136.11	5.264		
11,000.00	7,320.48	10,379.33	7,000.90	139.92	130.18	63.84	-6,112.37	-3,305.63	723.99	601.84	122.16	5.927		
11,100.00	7,321.00	10,462.95	7,001.00	140.82	131.02	63.79	-6,112.38	-3,389.24	724.41	603.91	120.50	6.012		
11,200.00	7,321.00	10,562.95	7,001.00	141.74	132.03	63.78	-6,112.24	-3,489.24	724.39	600.24	124.15	5.835		
11,300.00	7,321.00	10,662.95	7,001.00	142.69	133.08	63.78	-6,112.10	-3,589.24	724.36	596.48	127.89	5.664		
11,400.00	7,321.00	10,762.95	7,001.00	143.67	134.17	63.78	-6,111.97	-3,689.24	724.34	592.64	131.70	5.500		
11,500.00	7,321.00	10,862.95	7,001.00	144.68	135.29	63.78	-6,111.83	-3,789.24	724.32	588.72	135.59	5.342		
11,600.00	7,321.00	10,962.95	7,001.00	145.73	136.44	63.78	-6,111.69	-3,889.24	724.29	584.74	139.55	5.190		
11,700.00	7,321.00	11,062.95	7,001.00	146.80	137.63	63.78	-6,111.56	-3,989.24	724.27	580.70	143.57	5.045		
11,800.00	7,321.00	11,162.95	7,001.00	147.91	138.85	63.78	-6,111.42	-4,089.24	724.24	576.60	147.64	4.905		
11,900.00	7,321.00	11,262.95	7,001.00	149.05	140.11	63.78	-6,111.28	-4,189.24	724.22	572.45	151.77	4.772		
12,000.00	7,321.00	11,362.95	7,001.00	150.22	141.40	63.78	-6,111.15	-4,289.24	724.19	568.25	155.95	4.644		
12,100.00	7,321.00	11,462.95	7,001.00	151.42	142.72	63.78	-6,111.01	-4,389.24	724.17	564.00	160.16	4.521		
12,200.00	7,321.00	11,562.95	7,001.00	152.66	144.08	63.77	-6,110.87	-4,489.24	724.14	559.72	164.42	4.404		
12,300.00	7,321.00	11,662.95	7,001.00	153.93	145.47	63.77	-6,110.74	-4,589.24	724.12	555.40	168.72	4.292		
12,400.00	7,321.00	11,762.95	7,001.00	155.22	146.89	63.77	-6,110.60	-4,689.24	724.09	551.04	173.05	4.184		
12,500.00	7,321.00	11,862.95	7,001.00	156.55	148.35	63.77	-6,110.46	-4,789.24	724.07	546.65	177.42	4.081		
12,600.00	7,321.00	11,962.95	7,001.00	157.91	149.83	63.77	-6,110.33	-4,889.24	724.04	542.23	181.81	3.982		
12,700.00	7,321.00	12,062.95	7,001.00	159.31	151.35	63.77	-6,110.19	-4,989.24	724.02	537.78	186.24	3.888		
12,800.00	7,321.00	12,162.95	7,001.00	160.73	152.91	63.77	-6,110.05	-5,089.24	723.99	533.31	190.68	3.797		
12,900.00	7,321.00	12,262.95	7,001.00	162.18	154.49	63.77	-6,109.92	-5,189.24	723.97	528.81	195.16	3.710		
13,000.00	7,321.00	12,362.95	7,001.00	163.67	156.10	63.77	-6,109.78	-5,289.24	723.94	524.29	199.65	3.626		
13,100.00	7,321.00	12,462.95	7,001.00	165.18	157.74	63.77	-6,109.64	-5,389.24	723.92	519.75	204.17	3.546		
13,200.00	7,321.00	12,562.95	7,001.00	166.73	159.42	63.77	-6,109.51	-5,489.24	723.89	515.19	208.70	3.469		
13,300.00	7,321.00	12,662.95	7,001.00	168.30	161.12	63.76	-6,109.37	-5,589.24	723.87	510.61	213.26	3.394		
13,400.00	7,321.00	12,762.95	7,001.00	169.90	162.85	63.76	-6,109.23	-5,689.24	723.84	506.02	217.83	3.323		
13,500.00	7,321.00	12,862.95	7,001.00	171.53	164.60	63.76	-6,109.10	-5,789.24	723.82	501.40	222.42	3.254		
13,600.00	7,321.00	12,962.95	7,001.00	173.19	166.39	63.76	-6,108.96	-5,889.24	723.79	496.78	227.02	3.188		
13,700.00	7,321.00	13,062.95	7,001.00	174.88	168.20	63.76	-6,108.82	-5,989.24	723.77	492.13	231.64	3.125		
13,800.00	7,321.00	13,162.95	7,001.00	176.59	170.03	63.76	-6,108.69	-6,089.24	723.75	487.48	236.27	3.063		
13,900.00	7,321.00	13,262.95	7,001.00	178.33	171.89	63.76	-6,108.55	-6,189.24	723.72	482.81	240.91	3.004		
14,000.00	7,321.00	13,362.95	7,001.00	180.09	173.78	63.76	-6,108.41	-6,289.24	723.70	478.13	245.56	2.947		
14,100.00	7,321.00	13,462.95	7,001.00	181.88	175.69	63.76	-6,108.28	-6,389.24	723.67	473.44	250.23	2.892		
14,200.00	7,321.00	13,562.95	7,001.00	183.70	177.62	63.76	-6,108.14	-6,489.24	723.65	468.74	254.91	2.839		
14,300.00	7,321.00	13,662.95	7,001.00	185.54	179.58	63.75	-6,108.00	-6,589.24	723.62	464.03	259.59	2.788		
14,400.00	7,321.00	13,762.95	7,001.00	187.40	181.56	63.75	-6,107.87	-6,689.24	723.60	459.31	264.29	2.738		
14,500.00	7,321.00	13,862.95	7,001.00	189.29	183.55	63.75	-6,107.73	-6,789.24	723.57	454.58	268.99	2.690		
14,600.00	7,321.00	13,962.95	7,001.00	191.20	185.57	63.75	-6,107.59	-6,889.24	723.55	449.84	273.71	2.643		
14,700.00	7,321.00	14,062.95	7,001.00	193.13	187.61	63.75	-6,107.46	-6,989.24	723.52	445.09	278.43	2.599		
14,800.00	7,321.00	14,162.95	7,001.00	195.08	189.67	63.75	-6,107.32	-7,089.24	723.50	440.34	283.16	2.555		
14,900.00	7,321.00	14,262.95	7,001.00	197.05	191.75	63.75	-6,107.18	-7,189.24	723.47	435.58	287.90	2.513		
15,000.00	7,321.00	14,362.95	7,001.00	199.04	193.84	63.75	-6,107.04	-7,289.24	723.45	430.81	292.64	2.472		
15,100.00	7,321.00	14,462.95	7,001.00	201.06	195.96	63.75	-6,106.91	-7,389.24	723.42	426.03	297.39	2.433		
15,200.00	7,321.00	14,562.95	7,001.00	203.09	198.09	63.75	-6,106.77	-7,489.24	723.40	421.25	302.15	2.394		
15,300.00	7,321.00	14,662.95	7,001.00	205.14	200.23	63.74	-6,106.63	-7,589.24	723.37	416.46	306.91	2.357		
15,400.00	7,321.00	14,762.95	7,001.00	207.21	202.40	63.74	-6,106.50	-7,689.24	723.35	411.67	311.68	2.321		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 36-T7N-R67W - MAVERICK 2W-20-02 - 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				
15,500.00	7,321.00	14,862.95	7,001.00	209.29	204.58	63.74	-6,106.36	-7,789.24	723.32	406.87	316.45	2.286				
15,600.00	7,321.00	14,962.95	7,001.00	211.39	206.77	63.74	-6,106.22	-7,889.24	723.30	402.07	321.23	2.252				
15,700.00	7,321.00	15,062.95	7,001.00	213.51	208.98	63.74	-6,106.09	-7,989.24	723.27	397.26	326.02	2.219				
15,800.00	7,321.00	15,162.95	7,001.00	215.65	211.20	63.74	-6,105.95	-8,089.24	723.25	392.44	330.80	2.186				
15,900.00	7,321.00	15,262.95	7,001.00	217.80	213.44	63.74	-6,105.81	-8,189.24	723.23	387.63	335.60	2.155				
16,000.00	7,321.00	15,362.95	7,001.00	219.96	215.68	63.74	-6,105.68	-8,289.24	723.20	382.80	340.40	2.125				
16,100.00	7,321.00	15,462.95	7,001.00	222.14	217.95	63.74	-6,105.54	-8,389.24	723.18	377.98	345.20	2.095				
16,200.00	7,321.00	15,562.95	7,001.00	224.34	220.22	63.74	-6,105.40	-8,489.24	723.15	373.15	350.00	2.066				
16,300.00	7,321.00	15,662.95	7,001.00	226.55	222.50	63.74	-6,105.27	-8,589.24	723.13	368.31	354.81	2.038				
16,400.00	7,321.00	15,762.95	7,001.00	228.77	224.80	63.73	-6,105.13	-8,689.24	723.10	363.47	359.63	2.011				
16,500.00	7,321.00	15,862.95	7,001.00	231.00	227.11	63.73	-6,104.99	-8,789.24	723.08	358.63	364.44	1.984				
16,600.00	7,321.00	15,962.95	7,001.00	233.25	229.43	63.73	-6,104.86	-8,889.24	723.05	353.79	369.26	1.958				
16,700.00	7,321.00	16,062.95	7,001.00	235.51	231.76	63.73	-6,104.72	-8,989.24	723.03	348.94	374.09	1.933				
16,800.00	7,321.00	16,162.95	7,001.00	237.78	234.10	63.73	-6,104.58	-9,089.24	723.00	344.09	378.92	1.908				
16,900.00	7,321.00	16,262.95	7,001.00	240.06	236.45	63.73	-6,104.45	-9,189.24	722.98	339.23	383.74	1.884				
17,000.00	7,321.00	16,362.95	7,001.00	242.35	238.81	63.73	-6,104.31	-9,289.24	722.95	334.37	388.58	1.861				
17,100.00	7,321.00	16,462.95	7,001.00	244.66	241.17	63.73	-6,104.17	-9,389.24	722.93	329.51	393.41	1.838				
17,200.00	7,321.00	16,562.95	7,001.00	246.97	243.55	63.73	-6,104.04	-9,489.24	722.90	324.65	398.25	1.815				
17,300.00	7,321.00	16,662.95	7,001.00	249.29	245.93	63.73	-6,103.90	-9,589.24	722.88	319.79	403.09	1.793				
17,400.00	7,321.00	16,762.95	7,001.00	251.63	248.33	63.72	-6,103.76	-9,689.24	722.85	314.92	407.93	1.772				
17,500.00	7,321.00	16,862.95	7,001.00	253.97	250.73	63.72	-6,103.63	-9,789.24	722.83	310.05	412.78	1.751				
17,600.00	7,321.00	16,962.95	7,001.00	256.32	253.14	63.72	-6,103.49	-9,889.24	722.80	305.18	417.63	1.731				
17,700.00	7,321.00	17,062.95	7,001.00	258.68	255.56	63.72	-6,103.35	-9,989.24	722.78	300.30	422.48	1.711				
17,800.00	7,321.00	17,162.95	7,001.00	261.05	257.98	63.72	-6,103.22	-10,089.24	722.75	295.42	427.33	1.691				
17,900.00	7,321.00	17,262.95	7,001.00	263.43	260.41	63.72	-6,103.08	-10,189.24	722.73	290.54	432.18	1.672				
18,000.00	7,321.00	17,362.95	7,001.00	265.81	262.85	63.72	-6,102.94	-10,289.24	722.70	285.66	437.04	1.654				
18,100.00	7,321.00	17,462.95	7,001.00	268.21	265.29	63.72	-6,102.81	-10,389.24	722.68	280.78	441.90	1.635				
18,200.00	7,321.00	17,562.95	7,001.00	270.61	267.74	63.72	-6,102.67	-10,489.24	722.66	275.90	446.76	1.618				
18,300.00	7,321.00	17,662.95	7,001.00	273.02	270.20	63.72	-6,102.53	-10,589.24	722.63	271.01	451.62	1.600				
18,400.00	7,321.00	17,762.95	7,001.00	275.43	272.66	63.71	-6,102.40	-10,689.24	722.61	266.12	456.49	1.583				
18,500.00	7,321.00	17,862.95	7,001.00	277.86	275.13	63.71	-6,102.26	-10,789.24	722.58	261.23	461.35	1.566				
18,600.00	7,321.00	17,962.95	7,001.00	280.28	277.61	63.71	-6,102.12	-10,889.24	722.56	256.34	466.22	1.550				
18,700.00	7,321.00	18,062.95	7,001.00	282.72	280.09	63.71	-6,101.98	-10,989.24	722.53	251.45	471.09	1.534				
18,800.00	7,321.00	18,162.95	7,001.00	285.16	282.57	63.71	-6,101.85	-11,089.24	722.51	246.55	475.96	1.518				
18,900.00	7,321.00	18,284.80	7,001.00	287.61	285.62	63.65	-6,103.32	-11,211.07	721.35	234.52	486.83	1.482 Level 3				
19,000.00	7,321.00	18,413.59	7,001.00	290.06	288.88	63.39	-6,110.38	-11,339.65	716.29	217.98	498.30	1.437 Level 3				
19,100.00	7,321.00	18,518.45	7,001.00	292.52	291.57	63.06	-6,119.25	-11,444.14	708.57	205.46	503.11	1.408 Level 3				
19,200.00	7,321.00	18,618.07	7,001.00	294.99	294.12	62.74	-6,127.76	-11,543.40	700.81	194.21	506.60	1.383 Level 3				
19,300.00	7,321.00	18,717.69	7,001.00	297.46	296.67	62.41	-6,136.27	-11,642.65	693.08	183.05	510.03	1.359 Level 3				
19,400.00	7,321.00	18,817.31	7,001.00	299.94	299.23	62.08	-6,144.78	-11,741.91	685.36	171.97	513.39	1.335 Level 3				
19,500.00	7,321.00	18,916.93	7,001.00	302.42	301.78	61.73	-6,153.30	-11,841.17	677.67	161.00	516.67	1.312 Level 3				
19,600.00	7,321.00	19,016.55	7,001.00	304.90	304.35	61.38	-6,161.81	-11,940.42	670.01	150.12	519.89	1.289 Level 3				
19,700.00	7,321.00	19,116.17	7,001.00	307.40	306.91	61.02	-6,170.32	-12,039.68	662.37	139.35	523.02	1.266 Level 3				
19,800.00	7,321.00	19,215.79	7,001.00	309.89	309.48	60.65	-6,178.84	-12,138.93	654.76	128.69	526.07	1.245 Level 2				
19,900.00	7,321.00	19,315.41	7,001.00	312.39	312.05	60.27	-6,187.35	-12,238.19	647.18	118.14	529.04	1.223 Level 2				
20,000.00	7,321.00	19,415.03	7,001.00	314.90	314.62	59.89	-6,195.86	-12,337.44	639.62	107.71	531.91	1.202 Level 2				
20,100.00	7,321.00	19,514.65	7,001.00	317.41	317.19	59.49	-6,204.37	-12,436.70	632.09	97.40	534.70	1.182 Level 2				
20,200.00	7,321.00	19,614.27	7,001.00	319.92	319.77	59.08	-6,212.89	-12,535.96	624.60	87.22	537.38	1.162 Level 2				
20,300.00	7,321.00	19,713.89	7,001.00	322.44	322.35	58.67	-6,221.40	-12,635.21	617.14	77.17	539.96	1.143 Level 2				
20,400.00	7,321.00	19,813.51	7,001.00	324.96	324.93	58.24	-6,229.91	-12,734.47	609.71	67.27	542.44	1.124 Level 2				
20,500.00	7,321.00	19,900.00	7,001.00	327.49	327.17	57.87	-6,237.16	-12,820.65	602.57	61.34	541.23	1.113 Level 2				
20,600.00	7,321.00	19,991.70	7,001.00	330.02	329.54	57.59	-6,242.64	-12,912.18	597.44	55.64	541.80	1.103 Level 2				

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 36-T7N-R67W - MAVERICK 2W-20-02 - 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	
20,700.00	7,321.00	20,076.73	7,001.00	332.55	331.73	57.45	-6,245.10	-12,997.17	594.86	54.08	540.78	1.100	Level 2
20,753.23	7,321.00	20,122.03	7,001.00	333.90	332.89	57.43	-6,245.38	-13,042.48	594.51	54.12	540.39	1.100	Level 2
20,800.00	7,321.00	20,167.82	7,001.00	335.09	334.06	57.44	-6,245.21	-13,088.26	594.58	52.35	542.24	1.097	Level 2
20,900.00	7,321.00	20,267.82	7,001.00	337.63	336.61	57.45	-6,244.84	-13,188.26	594.76	47.83	546.93	1.087	Level 2
21,000.00	7,321.00	20,367.82	7,001.00	340.17	339.17	57.46	-6,244.47	-13,288.26	594.93	43.30	551.63	1.078	Level 2
21,100.00	7,321.00	20,467.82	7,001.00	342.72	341.73	57.47	-6,244.10	-13,388.26	595.11	38.78	556.33	1.070	Level 2
21,200.00	7,321.00	20,567.82	7,001.00	345.27	344.29	57.48	-6,243.73	-13,488.26	595.28	34.25	561.03	1.061	Level 2
21,300.00	7,321.00	20,667.82	7,001.00	347.82	346.86	57.49	-6,243.36	-13,588.25	595.46	29.72	565.74	1.053	Level 2
21,400.00	7,321.00	20,767.82	7,001.00	350.38	349.43	57.50	-6,242.98	-13,688.25	595.63	25.19	570.44	1.044	Level 2
21,500.00	7,321.00	20,867.82	7,001.00	352.94	352.00	57.51	-6,242.61	-13,788.25	595.80	20.66	575.15	1.036	Level 2
21,600.00	7,321.00	20,967.81	7,001.00	355.50	354.58	57.52	-6,242.24	-13,888.25	595.98	16.12	579.85	1.028	Level 2
21,700.00	7,321.00	21,067.81	7,001.00	358.07	357.16	57.54	-6,241.87	-13,988.25	596.15	11.59	584.56	1.020	Level 2
21,746.26	7,321.00	21,114.07	7,001.00	359.25	358.35	57.54	-6,241.70	-14,034.51	596.23	9.49	586.74	1.016	Level 2, ES, SF

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	73.17	6.56	21.68	22.67					
100.00	100.00	99.00	99.00	0.27	0.27	73.17	6.56	21.68	22.65	22.12	0.54	42.339		
200.00	200.00	199.46	199.44	0.63	0.61	76.73	4.96	21.03	21.61	20.37	1.24	17.393		
300.00	299.98	299.77	299.61	0.97	0.97	-118.25	0.11	19.05	19.82	17.88	1.94	10.219		
400.00	399.84	399.97	399.42	1.32	1.34	-108.51	-7.97	15.75	18.58	15.92	2.66	6.990		
500.00	499.45	500.04	498.74	1.68	1.74	-97.70	-19.26	11.14	18.00	14.58	3.42	5.260		
529.38	528.65	529.42	527.81	1.80	1.87	-94.43	-23.18	9.54	17.97	14.31	3.66	4.908 CC		
600.00	598.70	600.00	597.47	2.07	2.17	-86.60	-33.74	5.23	18.15	13.92	4.24	4.286		
700.00	697.47	699.82	695.45	2.48	2.62	-76.13	-51.37	-1.97	19.02	13.94	5.09	3.740		
800.00	795.62	799.53	792.60	2.93	3.12	-66.94	-72.12	-10.44	20.51	14.56	5.96	3.443		
900.00	893.06	899.12	888.79	3.41	3.65	-59.26	-95.96	-20.17	22.50	15.66	6.84	3.290		
1,000.00	989.64	998.59	983.92	3.93	4.22	-53.04	-122.85	-31.15	24.86	17.14	7.73	3.217		
1,100.00	1,085.27	1,097.93	1,077.87	4.50	4.84	-48.06	-152.74	-43.35	27.50	18.87	8.63	3.188		
1,200.00	1,179.82	1,197.17	1,170.54	5.11	5.50	-44.08	-185.59	-56.76	30.32	20.79	9.54	3.180		
1,300.00	1,273.17	1,296.28	1,261.82	5.77	6.21	-40.91	-221.35	-71.36	33.29	22.82	10.46	3.181		
1,400.00	1,365.21	1,395.28	1,351.60	6.48	6.97	-38.35	-259.96	-87.13	36.34	24.93	11.41	3.184		
1,500.00	1,455.84	1,494.17	1,439.79	7.23	7.78	-36.30	-301.37	-104.03	39.46	27.08	12.39	3.186		
1,600.00	1,544.94	1,592.95	1,526.28	8.04	8.63	-34.63	-345.52	-122.06	42.63	29.24	13.39	3.183		
1,700.00	1,632.39	1,691.62	1,610.99	8.90	9.53	-33.28	-392.36	-141.18	45.81	31.39	14.42	3.176		
1,800.00	1,718.11	1,790.18	1,693.82	9.81	10.48	-32.19	-441.81	-161.37	49.00	33.51	15.49	3.163		
1,900.00	1,801.97	1,888.63	1,774.67	10.77	11.48	-31.31	-493.81	-182.60	52.19	35.60	16.59	3.146		
2,000.00	1,883.88	1,986.98	1,853.46	11.78	12.52	-30.60	-548.30	-204.84	55.37	37.64	17.73	3.122		
2,100.00	1,963.74	2,085.23	1,930.11	12.84	13.61	-30.04	-605.19	-228.07	58.53	39.62	18.91	3.095		
2,200.00	2,041.45	2,183.38	2,004.53	13.95	14.74	-29.60	-664.43	-252.25	61.66	41.53	20.13	3.062		
2,300.00	2,116.92	2,281.43	2,076.65	15.10	15.92	-29.27	-725.93	-277.36	64.76	43.36	21.40	3.026		
2,400.00	2,190.05	2,379.39	2,146.38	16.31	17.14	-29.02	-789.61	-303.36	67.82	45.11	22.71	2.987		
2,500.00	2,260.76	2,477.26	2,213.67	17.56	18.40	-28.86	-855.41	-330.22	70.84	46.78	24.07	2.944		
2,600.00	2,328.95	2,575.03	2,278.42	18.85	19.70	-28.76	-923.23	-357.91	73.82	48.35	25.47	2.898		
2,700.00	2,394.55	2,672.73	2,340.59	20.19	21.04	-28.72	-992.99	-386.39	76.74	49.82	26.93	2.850		
2,800.00	2,457.48	2,770.33	2,400.10	21.57	22.41	-28.74	-1,064.61	-415.63	79.62	51.18	28.43	2.800		
2,900.00	2,518.85	2,868.16	2,457.10	22.98	23.82	-28.35	-1,138.22	-445.68	83.70	53.88	29.82	2.807		
3,000.00	2,580.20	2,968.02	2,514.27	24.39	25.28	-27.64	-1,214.02	-476.63	88.89	57.65	31.25	2.845		
3,100.00	2,641.56	3,067.88	2,571.44	25.81	26.75	-27.00	-1,289.82	-507.58	94.09	61.41	32.68	2.879		
3,200.00	2,702.91	3,167.74	2,628.61	27.23	28.22	-26.43	-1,365.62	-538.52	99.30	65.18	34.12	2.910		
3,300.00	2,764.27	3,267.60	2,685.78	28.65	29.69	-25.92	-1,441.42	-569.47	104.52	68.95	35.57	2.939		
3,400.00	2,825.62	3,367.46	2,742.95	30.08	31.17	-25.45	-1,517.22	-600.41	109.75	72.73	37.02	2.965		
3,500.00	2,886.98	3,467.32	2,800.12	31.51	32.65	-25.03	-1,593.02	-631.36	114.98	76.51	38.48	2.988		
3,600.00	2,948.33	3,567.18	2,857.30	32.95	34.13	-24.65	-1,668.82	-662.31	120.22	80.28	39.94	3.010		
3,700.00	3,009.68	3,667.04	2,914.47	34.38	35.61	-24.29	-1,744.62	-693.25	125.47	84.06	41.40	3.030		
3,800.00	3,071.04	3,766.90	2,971.64	35.82	37.10	-23.97	-1,820.42	-724.20	130.71	87.84	42.87	3.049		
3,900.00	3,132.39	3,866.76	3,028.81	37.25	38.58	-23.67	-1,896.22	-755.15	135.97	91.62	44.35	3.066		
4,000.00	3,193.75	3,966.62	3,085.98	38.69	40.07	-23.39	-1,972.02	-786.09	141.22	95.40	45.82	3.082		
4,100.00	3,255.10	4,066.48	3,143.15	40.13	41.56	-23.13	-2,047.82	-817.04	146.48	99.18	47.30	3.097		
4,200.00	3,316.46	4,166.34	3,200.33	41.58	43.05	-22.89	-2,123.62	-847.98	151.74	102.97	48.78	3.111		
4,300.00	3,377.81	4,266.19	3,257.50	43.02	44.54	-22.67	-2,199.42	-878.93	157.01	106.75	50.26	3.124		
4,400.00	3,439.17	4,366.05	3,314.67	44.46	46.03	-22.46	-2,275.22	-909.88	162.27	110.53	51.74	3.136		
4,500.00	3,500.52	4,465.91	3,371.84	45.91	47.53	-22.27	-2,351.02	-940.82	167.54	114.31	53.23	3.148		
4,600.00	3,561.88	4,565.77	3,429.01	47.35	49.02	-22.08	-2,426.82	-971.77	172.81	118.10	54.72	3.158		
4,700.00	3,623.23	4,665.63	3,486.18	48.80	50.51	-21.91	-2,502.62	-1,002.71	178.08	121.88	56.21	3.168		
4,800.00	3,684.59	4,765.49	3,543.35	50.24	52.01	-21.75	-2,578.42	-1,033.66	183.36	125.66	57.70	3.178		
4,900.00	3,745.94	4,865.35	3,600.53	51.69	53.50	-21.59	-2,654.22	-1,064.61	188.63	129.45	59.19	3.187		
5,000.00	3,807.30	4,965.21	3,657.70	53.14	55.00	-21.45	-2,730.02	-1,095.55	193.91	133.23	60.68	3.196		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	3,868.65	5,065.07	3,714.87	54.58	56.49	-21.31	-2,805.83	-1,126.50	199.19	137.01	62.18	3.204		
5,200.00	3,930.01	5,164.93	3,772.04	56.03	57.99	-21.18	-2,881.63	-1,157.45	204.47	140.79	63.67	3.211		
5,300.00	3,991.36	5,264.79	3,829.21	57.48	59.49	-21.05	-2,957.43	-1,188.39	209.74	144.58	65.17	3.219		
5,400.00	4,052.72	5,364.65	3,886.38	58.93	60.98	-20.93	-3,033.23	-1,219.34	215.02	148.36	66.66	3.226		
5,500.00	4,114.07	5,464.51	3,943.55	60.38	62.48	-20.82	-3,109.03	-1,250.28	220.31	152.14	68.16	3.232		
5,600.00	4,175.43	5,564.37	4,000.73	61.83	63.98	-20.71	-3,184.83	-1,281.23	225.59	155.93	69.66	3.238		
5,700.00	4,236.78	5,664.23	4,057.90	63.28	65.48	-20.61	-3,260.63	-1,312.18	230.87	159.71	71.16	3.244		
5,800.00	4,298.14	5,764.09	4,115.07	64.73	66.97	-20.51	-3,336.43	-1,343.12	236.15	163.49	72.66	3.250		
5,900.00	4,359.49	5,863.95	4,172.24	66.18	68.47	-20.42	-3,412.23	-1,374.07	241.44	167.28	74.16	3.256		
6,000.00	4,420.85	5,963.81	4,229.41	67.63	69.97	-20.33	-3,488.03	-1,405.01	246.72	171.06	75.66	3.261		
6,100.00	4,482.20	6,063.67	4,286.58	69.08	71.47	-20.25	-3,563.83	-1,435.96	252.01	174.84	77.17	3.266		
6,200.00	4,543.55	6,163.53	4,343.76	70.53	72.97	-20.16	-3,639.63	-1,466.91	257.29	178.63	78.67	3.271		
6,300.00	4,604.91	6,263.39	4,400.93	71.98	74.47	-20.09	-3,715.43	-1,497.85	262.58	182.41	80.17	3.275		
6,400.00	4,666.26	6,363.25	4,458.10	73.44	75.97	-20.01	-3,791.23	-1,528.80	267.87	186.19	81.68	3.280		
6,500.00	4,727.62	6,463.10	4,515.27	74.89	77.47	-19.94	-3,867.03	-1,559.75	273.16	189.97	83.18	3.284		
6,600.00	4,788.97	6,562.96	4,572.44	76.34	78.97	-19.87	-3,942.83	-1,590.69	278.44	193.76	84.69	3.288		
6,700.00	4,850.33	6,662.82	4,629.61	77.79	80.47	-19.80	-4,018.63	-1,621.64	283.73	197.54	86.19	3.292		
6,800.00	4,911.68	6,762.68	4,686.78	79.24	81.97	-19.73	-4,094.43	-1,652.58	289.02	201.32	87.70	3.296		
6,900.00	4,973.04	6,862.54	4,743.96	80.70	83.47	-19.67	-4,170.23	-1,683.53	294.31	205.11	89.20	3.299		
7,000.00	5,034.39	6,962.40	4,801.13	82.15	84.97	-19.61	-4,246.03	-1,714.48	299.60	208.89	90.71	3.303		
7,100.00	5,095.75	7,062.26	4,858.30	83.60	86.47	-19.55	-4,321.83	-1,745.42	304.89	212.67	92.22	3.306		
7,200.00	5,157.10	7,162.12	4,915.47	85.05	87.97	-19.50	-4,397.63	-1,776.37	310.18	216.45	93.72	3.310		
7,300.00	5,218.46	7,261.98	4,972.64	86.51	89.47	-19.44	-4,473.43	-1,807.31	315.47	220.24	95.23	3.313		
7,400.00	5,279.81	7,361.84	5,029.81	87.96	90.97	-19.39	-4,549.23	-1,838.26	320.76	224.02	96.74	3.316		
7,500.00	5,341.17	7,461.70	5,086.98	89.41	92.47	-19.34	-4,625.03	-1,869.21	326.05	227.80	98.25	3.319		
7,600.00	5,402.52	7,561.56	5,144.16	90.87	93.97	-19.29	-4,700.83	-1,900.15	331.34	231.58	99.75	3.322		
7,700.00	5,463.88	7,661.42	5,201.33	92.32	95.47	-19.24	-4,776.63	-1,931.10	336.63	235.37	101.26	3.324		
7,800.00	5,525.23	7,761.28	5,258.50	93.77	96.98	-19.20	-4,852.43	-1,962.05	341.92	239.15	102.77	3.327		
7,900.00	5,586.59	7,861.14	5,315.67	95.23	98.48	-19.15	-4,928.23	-1,992.99	347.21	242.93	104.28	3.330		
8,000.00	5,647.94	7,961.00	5,372.84	96.68	99.98	-19.11	-5,004.03	-2,023.94	352.50	246.71	105.79	3.332		
8,100.00	5,709.30	8,060.86	5,430.01	98.13	101.48	-19.06	-5,079.83	-2,054.88	357.80	250.50	107.30	3.335		
8,200.00	5,770.65	8,160.72	5,487.18	99.59	102.98	-19.02	-5,155.63	-2,085.83	363.09	254.28	108.81	3.337		
8,300.00	5,832.01	8,260.58	5,544.36	101.04	104.48	-18.98	-5,231.43	-2,116.78	368.38	258.06	110.32	3.339		
8,400.00	5,893.36	8,360.44	5,601.53	102.49	105.98	-18.95	-5,307.23	-2,147.72	373.67	261.84	111.83	3.341		
8,500.00	5,954.72	8,460.30	5,658.70	103.95	107.49	-18.91	-5,383.03	-2,178.67	378.97	265.63	113.34	3.344		
8,600.00	6,016.07	8,560.15	5,715.87	105.40	108.99	-18.87	-5,458.83	-2,209.61	384.26	269.41	114.85	3.346		
8,700.00	6,077.43	8,660.01	5,773.04	106.86	110.49	-18.84	-5,534.64	-2,240.56	389.55	273.19	116.36	3.348		
8,800.00	6,138.78	8,759.87	5,830.21	108.31	111.99	-18.80	-5,610.44	-2,271.51	394.85	276.97	117.87	3.350		
8,900.00	6,200.13	8,859.73	5,887.39	109.76	113.49	-18.77	-5,686.24	-2,302.45	400.14	280.76	119.38	3.352		
9,000.00	6,261.49	8,959.59	5,944.56	111.22	115.00	-18.73	-5,762.04	-2,333.40	405.43	284.54	120.89	3.354		
9,100.00	6,322.84	9,059.45	6,001.73	112.67	116.50	-18.70	-5,837.84	-2,364.35	410.73	288.32	122.41	3.355		
9,200.00	6,384.20	9,159.31	6,058.90	114.13	118.00	-18.67	-5,913.64	-2,395.29	416.02	292.10	123.92	3.357		
9,300.00	6,445.55	9,259.17	6,116.07	115.58	119.50	-18.64	-5,989.44	-2,426.24	421.31	295.88	125.43	3.359		
9,400.00	6,506.91	9,359.03	6,173.24	117.03	121.00	-18.61	-6,065.24	-2,457.18	426.61	299.67	126.94	3.361		
9,500.00	6,568.26	9,458.89	6,230.41	118.49	122.51	-18.58	-6,141.04	-2,488.13	431.90	303.45	128.45	3.362		
9,600.00	6,629.62	9,558.75	6,287.59	119.94	124.01	-18.55	-6,216.84	-2,519.08	437.19	307.23	129.96	3.364		
9,700.00	6,690.97	9,658.61	6,344.76	121.40	125.51	-18.53	-6,292.64	-2,550.02	442.49	311.01	131.48	3.366		
9,800.00	6,752.33	9,758.47	6,401.93	122.85	127.01	-18.50	-6,368.44	-2,580.97	447.78	314.79	132.99	3.367		
9,900.00	6,813.68	9,858.33	6,459.10	124.31	128.52	-18.47	-6,444.24	-2,611.92	453.08	318.58	134.50	3.369		
10,000.00	6,875.04	9,958.19	6,516.27	125.76	130.02	-18.45	-6,520.04	-2,642.86	458.37	322.36	136.01	3.370		
10,100.00	6,936.39	10,058.05	6,573.44	127.22	131.52	-18.42	-6,595.84	-2,673.81	463.67	326.14	137.53	3.371		
10,200.00	6,997.75	10,157.91	6,630.61	128.67	133.02	-18.40	-6,671.64	-2,704.75	468.96	329.92	139.04	3.373		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
10,300.00	7,059.10	10,257.77	6,687.79	130.13	134.53	-18.37	-6,747.44	-2,735.70	474.26	333.70	140.55	3.374		
10,400.00	7,118.86	10,357.26	6,744.75	131.62	136.02	-24.91	-6,822.96	-2,766.53	480.02	336.23	143.79	3.338		
10,500.00	7,173.55	10,462.73	6,804.12	133.17	137.64	-32.61	-6,901.67	-2,803.73	486.99	336.41	150.59	3.234		
10,600.00	7,221.49	10,575.65	6,862.25	134.72	139.43	-39.09	-6,978.70	-2,862.02	493.99	337.16	156.83	3.150		
10,700.00	7,261.21	10,693.36	6,914.32	136.22	141.28	-44.17	-7,047.65	-2,941.64	500.43	339.37	161.05	3.107		
10,800.00	7,291.51	10,815.45	6,956.83	137.61	143.09	-47.89	-7,103.89	-3,041.04	505.75	343.27	162.48	3.113		
10,900.00	7,311.47	10,941.08	6,986.36	138.86	144.74	-50.27	-7,142.88	-3,156.48	509.48	348.42	161.06	3.163		
11,000.00	7,320.48	11,068.92	7,000.17	139.92	146.12	-51.34	-7,161.01	-3,282.01	511.24	353.68	157.56	3.245		
11,100.00	7,321.00	11,177.72	7,001.00	140.82	147.07	-51.40	-7,161.93	-3,390.78	511.35	353.17	158.18	3.233		
11,200.00	7,321.00	11,277.72	7,001.00	141.74	147.94	-51.40	-7,161.77	-3,490.78	511.35	350.34	161.02	3.176		
11,300.00	7,321.00	11,377.72	7,001.00	142.69	148.85	-51.40	-7,161.61	-3,590.78	511.36	347.43	163.92	3.119		
11,400.00	7,321.00	11,477.72	7,001.00	143.67	149.78	-51.40	-7,161.45	-3,690.78	511.36	344.47	166.89	3.064		
11,500.00	7,321.00	11,577.72	7,001.00	144.68	150.75	-51.40	-7,161.29	-3,790.78	511.36	341.44	169.92	3.009		
11,600.00	7,321.00	11,677.72	7,001.00	145.73	151.74	-51.40	-7,161.12	-3,890.78	511.36	338.35	173.01	2.956		
11,700.00	7,321.00	11,777.72	7,001.00	146.80	152.77	-51.40	-7,160.96	-3,990.77	511.37	335.21	176.16	2.903		
11,800.00	7,321.00	11,877.72	7,001.00	147.91	153.82	-51.40	-7,160.80	-4,090.77	511.37	332.02	179.35	2.851		
11,900.00	7,321.00	11,977.72	7,001.00	149.05	154.91	-51.40	-7,160.64	-4,190.77	511.37	328.78	182.59	2.801		
12,000.00	7,321.00	12,077.72	7,001.00	150.22	156.02	-51.41	-7,160.48	-4,290.77	511.37	325.49	185.88	2.751		
12,100.00	7,321.00	12,177.72	7,001.00	151.42	157.17	-51.41	-7,160.32	-4,390.77	511.38	322.16	189.22	2.703		
12,200.00	7,321.00	12,277.72	7,001.00	152.66	158.34	-51.41	-7,160.16	-4,490.77	511.38	318.79	192.59	2.655		
12,300.00	7,321.00	12,377.72	7,001.00	153.93	159.55	-51.41	-7,160.00	-4,590.77	511.38	315.38	196.00	2.609		
12,400.00	7,321.00	12,477.72	7,001.00	155.22	160.79	-51.41	-7,159.84	-4,690.77	511.38	311.93	199.46	2.564		
12,500.00	7,321.00	12,577.72	7,001.00	156.55	162.05	-51.41	-7,159.68	-4,790.77	511.39	308.44	202.94	2.520		
12,600.00	7,321.00	12,677.72	7,001.00	157.91	163.35	-51.41	-7,159.51	-4,890.77	511.39	304.92	206.47	2.477		
12,700.00	7,321.00	12,777.72	7,001.00	159.31	164.68	-51.41	-7,159.35	-4,990.77	511.39	301.37	210.02	2.435		
12,800.00	7,321.00	12,877.72	7,001.00	160.73	166.04	-51.41	-7,159.19	-5,090.77	511.39	297.79	213.60	2.394		
12,900.00	7,321.00	12,977.72	7,001.00	162.18	167.42	-51.41	-7,159.03	-5,190.77	511.40	294.18	217.21	2.354		
13,000.00	7,321.00	13,077.72	7,001.00	163.67	168.84	-51.41	-7,158.87	-5,290.77	511.40	290.55	220.85	2.316		
13,100.00	7,321.00	13,177.72	7,001.00	165.18	170.29	-51.41	-7,158.71	-5,390.77	511.40	286.88	224.52	2.278		
13,200.00	7,321.00	13,277.72	7,001.00	166.73	171.76	-51.41	-7,158.55	-5,490.77	511.41	283.19	228.21	2.241		
13,300.00	7,321.00	13,377.72	7,001.00	168.30	173.27	-51.41	-7,158.39	-5,590.77	511.41	279.48	231.93	2.205		
13,400.00	7,321.00	13,477.72	7,001.00	169.90	174.80	-51.41	-7,158.23	-5,690.77	511.41	275.75	235.66	2.170		
13,500.00	7,321.00	13,577.72	7,001.00	171.53	176.37	-51.41	-7,158.06	-5,790.77	511.41	271.99	239.42	2.136		
13,600.00	7,321.00	13,677.72	7,001.00	173.19	177.96	-51.41	-7,157.90	-5,890.77	511.42	268.21	243.20	2.103		
13,700.00	7,321.00	13,777.72	7,001.00	174.88	179.57	-51.41	-7,157.74	-5,990.77	511.42	264.42	247.00	2.071		
13,800.00	7,321.00	13,877.72	7,001.00	176.59	181.22	-51.41	-7,157.58	-6,090.77	511.42	260.60	250.82	2.039		
13,900.00	7,321.00	13,977.72	7,001.00	178.33	182.89	-51.41	-7,157.42	-6,190.77	511.42	256.77	254.66	2.008		
14,000.00	7,321.00	14,077.72	7,001.00	180.09	184.59	-51.41	-7,157.26	-6,290.77	511.43	252.92	258.51	1.978		
14,100.00	7,321.00	14,177.72	7,001.00	181.88	186.31	-51.41	-7,157.10	-6,390.77	511.43	249.05	262.38	1.949		
14,200.00	7,321.00	14,277.72	7,001.00	183.70	188.06	-51.41	-7,156.94	-6,490.77	511.43	245.17	266.26	1.921		
14,300.00	7,321.00	14,377.72	7,001.00	185.54	189.83	-51.41	-7,156.78	-6,590.77	511.43	241.27	270.16	1.893		
14,400.00	7,321.00	14,477.72	7,001.00	187.40	191.63	-51.41	-7,156.62	-6,690.77	511.44	237.36	274.08	1.866		
14,500.00	7,321.00	14,577.72	7,001.00	189.29	193.45	-51.41	-7,156.45	-6,790.77	511.44	233.43	278.00	1.840		
14,600.00	7,321.00	14,677.72	7,001.00	191.20	195.29	-51.41	-7,156.29	-6,890.77	511.44	229.50	281.95	1.814		
14,700.00	7,321.00	14,777.72	7,001.00	193.13	197.16	-51.41	-7,156.13	-6,990.77	511.44	225.55	285.90	1.789		
14,800.00	7,321.00	14,877.72	7,001.00	195.08	199.05	-51.41	-7,155.97	-7,090.77	511.45	221.58	289.86	1.764		
14,900.00	7,321.00	14,977.72	7,001.00	197.05	200.96	-51.41	-7,155.81	-7,190.77	511.45	217.61	293.84	1.741		
15,000.00	7,321.00	15,077.72	7,001.00	199.04	202.89	-51.41	-7,155.65	-7,290.77	511.45	213.62	297.83	1.717		
15,100.00	7,321.00	15,177.72	7,001.00	201.06	204.84	-51.41	-7,155.49	-7,390.77	511.45	209.63	301.83	1.695		
15,200.00	7,321.00	15,277.72	7,001.00	203.09	206.81	-51.41	-7,155.33	-7,490.77	511.46	205.62	305.84	1.672		
15,300.00	7,321.00	15,377.72	7,001.00	205.14	208.80	-51.41	-7,155.17	-7,590.77	511.46	201.60	309.86	1.651		
15,400.00	7,321.00	15,477.72	7,001.00	207.21	210.81	-51.41	-7,155.00	-7,690.77	511.46	197.58	313.89	1.629		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 36-T7N-R67W - MAVERICK 2W-20-04 - 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		
15,500.00	7,321.00	15,577.72	7,001.00	209.29	212.84	-51.41	-7,154.84	-7,790.77	511.47	193.54	317.92	1.609		
15,600.00	7,321.00	15,677.72	7,001.00	211.39	214.89	-51.41	-7,154.68	-7,890.77	511.47	189.50	321.97	1.589		
15,700.00	7,321.00	15,777.72	7,001.00	213.51	216.95	-51.41	-7,154.52	-7,990.77	511.47	185.44	326.03	1.569		
15,800.00	7,321.00	15,877.72	7,001.00	215.65	219.03	-51.41	-7,154.36	-8,090.77	511.47	181.38	330.09	1.550		
15,900.00	7,321.00	15,977.72	7,001.00	217.80	221.13	-51.41	-7,154.20	-8,190.77	511.48	177.32	334.16	1.531		
16,000.00	7,321.00	16,077.72	7,001.00	219.96	223.25	-51.41	-7,154.04	-8,290.77	511.48	173.24	338.24	1.512		
16,100.00	7,321.00	16,177.72	7,001.00	222.14	225.37	-51.41	-7,153.88	-8,390.77	511.48	169.16	342.32	1.494	Level 3	
16,200.00	7,321.00	16,277.72	7,001.00	224.34	227.52	-51.41	-7,153.72	-8,490.77	511.48	165.07	346.42	1.476	Level 3	
16,300.00	7,321.00	16,377.72	7,001.00	226.55	229.68	-51.42	-7,153.56	-8,590.77	511.49	160.97	350.52	1.459	Level 3	
16,400.00	7,321.00	16,477.72	7,001.00	228.77	231.85	-51.42	-7,153.39	-8,690.77	511.49	156.87	354.62	1.442	Level 3	
16,500.00	7,321.00	16,577.72	7,001.00	231.00	234.04	-51.42	-7,153.23	-8,790.77	511.49	152.76	358.74	1.426	Level 3	
16,600.00	7,321.00	16,677.72	7,001.00	233.25	236.24	-51.42	-7,153.07	-8,890.77	511.49	148.64	362.86	1.410	Level 3	
16,700.00	7,321.00	16,777.72	7,001.00	235.51	238.45	-51.42	-7,152.91	-8,990.77	511.50	144.52	366.98	1.394	Level 3	
16,800.00	7,321.00	16,877.72	7,001.00	237.78	240.68	-51.42	-7,152.75	-9,090.77	511.50	140.39	371.11	1.378	Level 3	
16,900.00	7,321.00	16,977.72	7,001.00	240.06	242.92	-51.42	-7,152.59	-9,190.77	511.50	136.26	375.25	1.363	Level 3	
17,000.00	7,321.00	17,077.72	7,001.00	242.35	245.17	-51.42	-7,152.43	-9,290.77	511.50	132.12	379.39	1.348	Level 3	
17,100.00	7,321.00	17,177.72	7,001.00	244.66	247.43	-51.42	-7,152.27	-9,390.77	511.51	127.97	383.53	1.334	Level 3	
17,200.00	7,321.00	17,277.72	7,001.00	246.97	249.70	-51.42	-7,152.11	-9,490.77	511.51	123.82	387.69	1.319	Level 3	
17,300.00	7,321.00	17,377.72	7,001.00	249.29	251.99	-51.42	-7,151.94	-9,590.77	511.51	119.67	391.84	1.305	Level 3	
17,400.00	7,321.00	17,477.72	7,001.00	251.63	254.28	-51.42	-7,151.78	-9,690.77	511.51	115.51	396.00	1.292	Level 3	
17,500.00	7,321.00	17,577.72	7,001.00	253.97	256.59	-51.42	-7,151.62	-9,790.77	511.52	111.35	400.17	1.278	Level 3	
17,600.00	7,321.00	17,677.72	7,001.00	256.32	258.90	-51.42	-7,151.46	-9,890.77	511.52	107.18	404.34	1.265	Level 3	
17,700.00	7,321.00	17,777.72	7,001.00	258.68	261.22	-51.42	-7,151.30	-9,990.77	511.52	103.01	408.51	1.252	Level 3	
17,800.00	7,321.00	17,877.72	7,001.00	261.05	263.56	-51.42	-7,151.14	-10,090.77	511.53	98.83	412.69	1.239	Level 2	
17,900.00	7,321.00	17,977.72	7,001.00	263.43	265.90	-51.42	-7,150.98	-10,190.77	511.53	94.65	416.88	1.227	Level 2	
18,000.00	7,321.00	18,077.72	7,001.00	265.81	268.25	-51.42	-7,150.82	-10,290.77	511.53	90.47	421.06	1.215	Level 2	
18,100.00	7,321.00	18,177.72	7,001.00	268.21	270.61	-51.42	-7,150.66	-10,390.77	511.53	86.28	425.25	1.203	Level 2	
18,200.00	7,321.00	18,277.72	7,001.00	270.61	272.98	-51.42	-7,150.50	-10,490.77	511.54	82.09	429.45	1.191	Level 2	
18,300.00	7,321.00	18,377.72	7,001.00	273.02	275.36	-51.42	-7,150.33	-10,590.77	511.54	77.89	433.64	1.180	Level 2	
18,400.00	7,321.00	18,477.72	7,001.00	275.43	277.74	-51.42	-7,150.17	-10,690.77	511.54	73.70	437.84	1.168	Level 2	
18,500.00	7,321.00	18,577.72	7,001.00	277.86	280.13	-51.42	-7,150.01	-10,790.77	511.54	69.49	442.05	1.157	Level 2	
18,600.00	7,321.00	18,677.72	7,001.00	280.28	282.53	-51.42	-7,149.85	-10,890.77	511.55	65.29	446.26	1.146	Level 2	
18,700.00	7,321.00	18,777.72	7,001.00	282.72	284.94	-51.42	-7,149.69	-10,990.77	511.55	61.08	450.47	1.136	Level 2	
18,800.00	7,321.00	18,877.72	7,001.00	285.16	287.35	-51.42	-7,149.53	-11,090.77	511.55	56.87	454.68	1.125	Level 2	
18,900.00	7,321.00	18,977.72	7,001.00	287.61	289.77	-51.42	-7,149.37	-11,190.77	511.55	52.66	458.90	1.115	Level 2	
19,000.00	7,321.00	19,077.72	7,001.00	290.06	292.20	-51.42	-7,149.21	-11,290.77	511.56	48.44	463.12	1.105	Level 2	
19,100.00	7,321.00	19,177.72	7,001.00	292.52	294.63	-51.42	-7,149.05	-11,390.77	511.56	44.22	467.34	1.095	Level 2	
19,200.00	7,321.00	19,277.72	7,001.00	294.99	297.07	-51.42	-7,148.88	-11,490.77	511.56	39.99	471.57	1.085	Level 2	
19,300.00	7,321.00	19,377.72	7,001.00	297.46	299.51	-51.42	-7,148.72	-11,590.77	511.56	35.77	475.80	1.075	Level 2	
19,400.00	7,321.00	19,477.72	7,001.00	299.94	301.97	-51.42	-7,148.56	-11,690.77	511.57	31.54	480.03	1.066	Level 2	
19,500.00	7,321.00	19,577.72	7,001.00	302.42	304.42	-51.42	-7,148.40	-11,790.76	511.57	27.31	484.26	1.056	Level 2	
19,600.00	7,321.00	19,677.72	7,001.00	304.90	306.88	-51.42	-7,148.24	-11,890.76	511.57	23.08	488.50	1.047	Level 2	
19,700.00	7,321.00	19,777.72	7,001.00	307.40	309.35	-51.42	-7,148.08	-11,990.76	511.57	18.84	492.74	1.038	Level 2	
19,800.00	7,321.00	19,877.72	7,001.00	309.89	311.82	-51.42	-7,147.92	-12,090.76	511.58	14.60	496.98	1.029	Level 2	
19,900.00	7,321.00	19,977.72	7,001.00	312.39	314.30	-51.42	-7,147.76	-12,190.76	511.58	10.36	501.22	1.021	Level 2	
20,000.00	7,321.00	20,077.72	7,001.00	314.90	316.78	-51.42	-7,147.60	-12,290.76	511.58	6.12	505.46	1.012	Level 2	
20,100.00	7,321.00	20,177.72	7,001.00	317.41	319.27	-51.42	-7,147.44	-12,390.76	511.59	1.87	509.71	1.004	Level 2	
20,200.00	7,321.00	20,277.72	7,001.00	319.92	321.76	-51.42	-7,147.27	-12,490.76	511.59	-2.37	513.96	0.995	Level 1	
20,300.00	7,321.00	20,377.72	7,001.00	322.44	324.26	-51.42	-7,147.11	-12,590.76	511.59	-6.62	518.21	0.987	Level 1	
20,400.00	7,321.00	20,477.72	7,001.00	324.96	326.76	-51.42	-7,146.95	-12,690.76	511.59	-10.88	522.47	0.979	Level 1	
20,500.00	7,321.00	20,577.72	7,001.00	327.49	329.27	-51.42	-7,146.79	-12,790.76	511.60	-15.13	526.72	0.971	Level 1	
20,600.00	7,321.00	20,677.72	7,001.00	330.02	331.78	-51.43	-7,146.63	-12,890.76	511.60	-19.38	530.98	0.963	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 MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 36-T7N-R67W - MAVERICK 2W-20-04 - 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						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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
20,700.00	7,321.00	20,777.72	7,001.00	332.55	334.29	-51.43	-7,146.47	-12,990.76	511.60	-23.64	535.24	0.956	Level 1
20,800.00	7,321.00	20,877.72	7,001.00	335.09	336.81	-51.43	-7,146.31	-13,090.76	511.60	-27.90	539.50	0.948	Level 1
20,900.00	7,321.00	20,977.72	7,001.00	337.63	339.33	-51.43	-7,146.15	-13,190.76	511.61	-32.16	543.77	0.941	Level 1
21,000.00	7,321.00	21,077.72	7,001.00	340.17	341.85	-51.43	-7,145.99	-13,290.76	511.61	-36.42	548.03	0.934	Level 1
21,100.00	7,321.00	21,177.72	7,001.00	342.72	344.38	-51.43	-7,145.82	-13,390.76	511.61	-40.69	552.30	0.926	Level 1
21,200.00	7,321.00	21,277.72	7,001.00	345.27	346.92	-51.43	-7,145.66	-13,490.76	511.61	-44.95	556.57	0.919	Level 1
21,300.00	7,321.00	21,377.72	7,001.00	347.82	349.45	-51.43	-7,145.50	-13,590.76	511.62	-49.22	560.84	0.912	Level 1
21,400.00	7,321.00	21,477.72	7,001.00	350.38	351.99	-51.43	-7,145.34	-13,690.76	511.62	-53.49	565.11	0.905	Level 1
21,500.00	7,321.00	21,577.72	7,001.00	352.94	354.54	-51.43	-7,145.18	-13,790.76	511.62	-57.76	569.38	0.899	Level 1
21,600.00	7,321.00	21,677.72	7,001.00	355.50	357.08	-51.43	-7,145.02	-13,890.76	511.62	-62.04	573.66	0.892	Level 1
21,700.00	7,321.00	21,777.72	7,001.00	358.07	359.63	-51.43	-7,144.86	-13,990.76	511.63	-66.31	577.94	0.885	Level 1
21,703.05	7,321.00	21,780.77	7,001.00	358.14	359.71	-51.43	-7,144.85	-13,993.81	511.63	-66.44	578.07	0.885	Level 1
21,746.26	7,321.00	21,818.56	7,001.00	359.25	360.67	-51.43	-7,144.79	-14,031.60	511.66	-69.97	581.63	0.880	Level 1, ES, SF

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
2,900.00	2,518.85	2,549.85	2,549.85	22.98	50.91	53.46	-5,650.80	-9,375.52	10,011.92	9,944.02	67.90	147.461		
3,000.00	2,580.20	2,611.20	2,611.20	24.39	52.15	53.74	-5,650.80	-9,375.52	9,951.22	9,881.10	70.12	141.921		
3,100.00	2,641.56	2,672.56	2,672.56	25.81	53.38	54.02	-5,650.80	-9,375.52	9,890.78	9,818.42	72.36	136.693		
3,200.00	2,702.91	2,733.91	2,733.91	27.23	54.62	54.31	-5,650.80	-9,375.52	9,830.60	9,755.98	74.61	131.754		
3,300.00	2,764.27	2,795.27	2,795.27	28.65	55.85	54.59	-5,650.80	-9,375.52	9,770.68	9,693.80	76.88	127.082		
3,400.00	2,825.62	2,856.62	2,856.62	30.08	57.08	54.88	-5,650.80	-9,375.52	9,711.05	9,631.87	79.17	122.659		
3,500.00	2,886.98	2,917.98	2,917.98	31.51	58.32	55.18	-5,650.80	-9,375.52	9,651.68	9,570.21	81.47	118.465		
3,600.00	2,948.33	2,979.33	2,979.33	32.95	59.55	55.47	-5,650.80	-9,375.52	9,592.60	9,508.82	83.79	114.486		
3,700.00	3,009.68	3,040.68	3,040.68	34.38	60.79	55.77	-5,650.80	-9,375.52	9,533.81	9,447.69	86.12	110.706		
3,800.00	3,071.04	3,102.04	3,102.04	35.82	62.02	56.07	-5,650.80	-9,375.52	9,475.31	9,386.85	88.46	107.111		
3,900.00	3,132.39	3,163.39	3,163.39	37.25	63.25	56.37	-5,650.80	-9,375.52	9,417.12	9,326.29	90.82	103.689		
4,000.00	3,193.75	3,224.75	3,224.75	38.69	64.49	56.67	-5,650.80	-9,375.52	9,359.22	9,266.03	93.19	100.429		
4,100.00	3,255.10	3,286.10	3,286.10	40.13	65.72	56.97	-5,650.80	-9,375.52	9,301.64	9,206.06	95.58	97.320		
4,200.00	3,316.46	3,347.46	3,347.46	41.58	66.96	57.28	-5,650.80	-9,375.52	9,244.37	9,146.39	97.98	94.352		
4,300.00	3,377.81	3,408.81	3,408.81	43.02	68.19	57.59	-5,650.80	-9,375.52	9,187.42	9,087.03	100.39	91.517		
4,400.00	3,439.17	3,470.17	3,470.17	44.46	69.42	57.90	-5,650.80	-9,375.52	9,130.80	9,027.98	102.82	88.807		
4,500.00	3,500.52	3,531.52	3,531.52	45.91	70.66	58.21	-5,650.80	-9,375.52	9,074.51	8,969.26	105.26	86.213		
4,600.00	3,561.88	3,592.88	3,592.88	47.35	71.89	58.53	-5,650.80	-9,375.52	9,018.57	8,910.86	107.71	83.730		
4,700.00	3,623.23	3,654.23	3,654.23	48.80	73.13	58.84	-5,650.80	-9,375.52	8,962.97	8,852.79	110.18	81.351		
4,800.00	3,684.59	3,715.59	3,715.59	50.24	74.36	59.16	-5,650.80	-9,375.52	8,907.72	8,795.06	112.66	79.069		
4,900.00	3,745.94	3,776.94	3,776.94	51.69	75.59	59.49	-5,650.80	-9,375.52	8,852.84	8,737.68	115.15	76.879		
5,000.00	3,807.30	3,838.30	3,838.30	53.14	76.83	59.81	-5,650.80	-9,375.52	8,798.32	8,680.66	117.66	74.777		
5,100.00	3,868.65	3,899.65	3,899.65	54.58	78.06	60.14	-5,650.80	-9,375.52	8,744.17	8,623.99	120.18	72.758		
5,200.00	3,930.01	3,961.01	3,961.01	56.03	79.30	60.46	-5,650.80	-9,375.52	8,690.40	8,567.69	122.72	70.817		
5,300.00	3,991.36	4,022.36	4,022.36	57.48	80.53	60.79	-5,650.80	-9,375.52	8,637.02	8,511.76	125.27	68.950		
5,400.00	4,052.72	4,083.72	4,083.72	58.93	81.76	61.13	-5,650.80	-9,375.52	8,584.04	8,456.21	127.83	67.153		
5,500.00	4,114.07	4,145.07	4,145.07	60.38	83.00	61.46	-5,650.80	-9,375.52	8,531.45	8,401.05	130.40	65.423		
5,600.00	4,175.43	4,206.43	4,206.43	61.83	84.23	61.80	-5,650.80	-9,375.52	8,479.28	8,346.29	132.99	63.757		
5,700.00	4,236.78	4,267.78	4,267.78	63.28	85.47	62.14	-5,650.80	-9,375.52	8,427.52	8,291.93	135.60	62.151		
5,800.00	4,298.14	4,329.14	4,329.14	64.73	86.70	62.48	-5,650.80	-9,375.52	8,376.19	8,237.98	138.22	60.602		
5,900.00	4,359.49	4,390.49	4,390.49	66.18	87.93	62.82	-5,650.80	-9,375.52	8,325.29	8,184.44	140.85	59.109		
6,000.00	4,420.85	4,451.85	4,451.85	67.63	89.17	63.16	-5,650.80	-9,375.52	8,274.83	8,131.34	143.49	57.668		
6,100.00	4,482.20	4,513.20	4,513.20	69.08	90.40	63.51	-5,650.80	-9,375.52	8,224.82	8,078.67	146.15	56.277		
6,200.00	4,543.55	4,574.55	4,574.55	70.53	91.64	63.86	-5,650.80	-9,375.52	8,175.27	8,026.44	148.82	54.933		
6,300.00	4,604.91	4,635.91	4,635.91	71.98	92.87	64.21	-5,650.80	-9,375.52	8,126.18	7,974.67	151.51	53.635		
6,400.00	4,666.26	4,697.26	4,697.26	73.44	94.10	64.57	-5,650.80	-9,375.52	8,077.56	7,923.36	154.21	52.381		
6,500.00	4,727.62	4,758.62	4,758.62	74.89	95.34	64.92	-5,650.80	-9,375.52	8,029.43	7,872.51	156.92	51.169		
6,600.00	4,788.97	4,819.97	4,819.97	76.34	96.57	65.28	-5,650.80	-9,375.52	7,981.79	7,822.14	159.65	49.997		
6,700.00	4,850.33	4,881.33	4,881.33	77.79	97.81	65.64	-5,650.80	-9,375.52	7,934.65	7,772.26	162.39	48.863		
6,800.00	4,911.68	4,942.68	4,942.68	79.24	99.04	66.00	-5,650.80	-9,375.52	7,888.01	7,722.87	165.14	47.766		
6,900.00	4,973.04	5,004.04	5,004.04	80.70	100.27	66.37	-5,650.80	-9,375.52	7,841.90	7,673.99	167.90	46.705		
7,000.00	5,034.39	5,065.39	5,065.39	82.15	101.51	66.73	-5,650.80	-9,375.52	7,796.31	7,625.63	170.68	45.677		
7,100.00	5,095.75	5,126.75	5,126.75	83.60	102.74	67.10	-5,650.80	-9,375.52	7,751.26	7,577.78	173.47	44.682		
7,200.00	5,157.10	5,188.10	5,188.10	85.05	103.97	67.47	-5,650.80	-9,375.52	7,706.75	7,530.47	176.28	43.719		
7,300.00	5,218.46	5,249.46	5,249.46	86.51	105.21	67.84	-5,650.80	-9,375.52	7,662.80	7,483.70	179.10	42.786		
7,400.00	5,279.81	5,310.81	5,310.81	87.96	106.44	68.22	-5,650.80	-9,375.52	7,619.41	7,437.49	181.93	41.882		
7,500.00	5,341.17	5,372.17	5,372.17	89.41	107.68	68.59	-5,650.80	-9,375.52	7,576.60	7,391.84	184.77	41.006		
7,600.00	5,402.52	5,433.52	5,433.52	90.87	108.91	68.97	-5,650.80	-9,375.52	7,534.38	7,346.76	187.62	40.158		
7,700.00	5,463.88	5,494.88	5,494.88	92.32	110.14	69.35	-5,650.80	-9,375.52	7,492.74	7,302.26	190.48	39.335		
7,800.00	5,525.23	5,556.23	5,556.23	93.77	111.38	69.73	-5,650.80	-9,375.52	7,451.71	7,258.35	193.36	38.538		
7,900.00	5,586.59	5,617.59	5,617.59	95.23	112.61	70.11	-5,650.80	-9,375.52	7,411.30	7,215.05	196.25	37.765		
8,000.00	5,647.94	5,678.94	5,678.94	96.68	113.85	70.50	-5,650.80	-9,375.52	7,371.51	7,172.36	199.15	37.016		

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

Civitas Resources
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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-T6N-R67W - ABND VERT BOWER 1-3 - Wellbore #1 - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,100.00	5,709.30	5,740.30	5,740.30	98.13	115.08	70.89	-5,650.80	-9,375.52	7,332.35	7,130.30	202.05	36.289		
8,200.00	5,770.65	5,801.65	5,801.65	99.59	116.31	71.28	-5,650.80	-9,375.52	7,293.84	7,088.87	204.97	35.584		
8,300.00	5,832.01	5,863.01	5,863.01	101.04	117.55	71.67	-5,650.80	-9,375.52	7,255.99	7,048.09	207.90	34.901		
8,400.00	5,893.36	5,924.36	5,924.36	102.49	118.78	72.06	-5,650.80	-9,375.52	7,218.80	7,007.96	210.84	34.239		
8,500.00	5,954.72	5,985.72	5,985.72	103.95	120.01	72.45	-5,650.80	-9,375.52	7,182.28	6,968.50	213.78	33.596		
8,600.00	6,016.07	6,047.07	6,047.07	105.40	121.25	72.85	-5,650.80	-9,375.52	7,146.45	6,929.71	216.74	32.973		
8,700.00	6,077.43	6,108.43	6,108.43	106.86	122.48	73.25	-5,650.80	-9,375.52	7,111.32	6,891.62	219.70	32.368		
8,800.00	6,138.78	6,169.78	6,169.78	108.31	123.72	73.65	-5,650.80	-9,375.52	7,076.90	6,854.22	222.67	31.782		
8,900.00	6,200.13	6,231.13	6,231.13	109.76	124.95	74.05	-5,650.80	-9,375.52	7,043.19	6,817.54	225.65	31.213		
9,000.00	6,261.49	6,292.49	6,292.49	111.22	126.18	74.45	-5,650.80	-9,375.52	7,010.21	6,781.57	228.63	30.661		
9,100.00	6,322.84	6,353.84	6,353.84	112.67	127.42	74.86	-5,650.80	-9,375.52	6,977.96	6,746.34	231.62	30.126		
9,200.00	6,384.20	6,415.20	6,415.20	114.13	128.65	75.26	-5,650.80	-9,375.52	6,946.47	6,711.85	234.62	29.608		
9,300.00	6,445.55	6,476.55	6,476.55	115.58	129.89	75.67	-5,650.80	-9,375.52	6,915.73	6,678.11	237.62	29.105		
9,400.00	6,506.91	6,537.91	6,537.91	117.03	131.12	76.08	-5,650.80	-9,375.52	6,885.76	6,645.14	240.62	28.617		
9,500.00	6,568.26	6,599.26	6,599.26	118.49	132.35	76.49	-5,650.80	-9,375.52	6,856.57	6,612.94	243.63	28.144		
9,600.00	6,629.62	6,660.62	6,660.62	119.94	133.59	76.90	-5,650.80	-9,375.52	6,828.17	6,581.53	246.64	27.685		
9,700.00	6,690.97	6,721.97	6,721.97	121.40	134.82	77.31	-5,650.80	-9,375.52	6,800.57	6,550.92	249.65	27.241		
9,800.00	6,752.33	6,783.33	6,783.33	122.85	136.05	77.73	-5,650.80	-9,375.52	6,773.77	6,521.11	252.66	26.810		
9,900.00	6,813.68	6,844.68	6,844.68	124.31	137.29	78.14	-5,650.80	-9,375.52	6,747.79	6,492.12	255.67	26.392		
10,000.00	6,875.04	6,906.04	6,906.04	125.76	138.52	78.56	-5,650.80	-9,375.52	6,722.64	6,463.96	258.69	25.988		
10,100.00	6,936.39	6,967.39	6,967.39	127.22	139.76	78.98	-5,650.80	-9,375.52	6,698.33	6,436.63	261.70	25.596		
10,200.00	6,997.75	7,028.75	7,028.75	128.67	140.99	79.40	-5,650.80	-9,375.52	6,674.86	6,410.15	264.71	25.216		
10,300.00	7,059.10	7,090.10	7,090.10	130.13	142.22	79.82	-5,650.80	-9,375.52	6,652.25	6,384.53	267.72	24.848		
10,400.00	7,118.86	7,149.86	7,149.86	131.62	143.43	74.21	-5,650.80	-9,375.52	6,623.89	6,353.21	270.69	24.471		
10,500.00	7,173.55	7,204.55	7,204.55	133.17	144.53	69.13	-5,650.80	-9,375.52	6,580.29	6,306.77	273.52	24.058		
10,600.00	7,221.49	7,252.49	7,252.49	134.72	145.49	65.61	-5,650.80	-9,375.52	6,522.49	6,246.38	276.11	23.622		
10,700.00	7,261.21	7,292.21	7,292.21	136.22	146.29	63.83	-5,650.80	-9,375.52	6,452.09	6,173.70	278.39	23.177		
10,800.00	7,291.51	7,322.51	7,322.51	137.61	146.90	64.24	-5,650.80	-9,375.52	6,370.99	6,090.72	280.27	22.732		
10,900.00	7,311.47	7,342.47	7,342.47	138.86	147.30	68.22	-5,650.80	-9,375.52	6,281.44	5,999.76	281.68	22.300		
11,000.00	7,320.48	7,351.48	7,351.48	139.92	147.48	81.28	-5,650.80	-9,375.52	6,185.96	5,903.39	282.58	21.891		
11,100.00	7,321.00	7,352.00	7,352.00	140.82	147.49	90.00	-5,650.80	-9,375.52	6,087.71	5,804.65	283.06	21.507		
11,200.00	7,321.00	7,352.00	7,352.00	141.74	147.49	90.00	-5,650.80	-9,375.52	5,989.39	5,705.86	283.54	21.124		
11,300.00	7,321.00	7,352.00	7,352.00	142.69	147.49	90.00	-5,650.80	-9,375.52	5,891.13	5,607.10	284.03	20.742		
11,400.00	7,321.00	7,352.00	7,352.00	143.67	147.49	90.00	-5,650.80	-9,375.52	5,792.92	5,508.39	284.53	20.359		
11,500.00	7,321.00	7,352.00	7,352.00	144.68	147.49	90.00	-5,650.80	-9,375.52	5,694.78	5,409.72	285.06	19.978		
11,600.00	7,321.00	7,352.00	7,352.00	145.73	147.49	90.00	-5,650.80	-9,375.52	5,596.70	5,311.10	285.60	19.596		
11,700.00	7,321.00	7,352.00	7,352.00	146.80	147.49	90.00	-5,650.80	-9,375.52	5,498.69	5,212.53	286.16	19.216		
11,800.00	7,321.00	7,352.00	7,352.00	147.91	147.49	90.00	-5,650.80	-9,375.52	5,400.76	5,114.02	286.74	18.835		
11,900.00	7,321.00	7,352.00	7,352.00	149.05	147.49	90.00	-5,650.80	-9,375.52	5,302.90	5,015.56	287.34	18.455		
12,000.00	7,321.00	7,352.00	7,352.00	150.22	147.49	90.00	-5,650.80	-9,375.52	5,205.12	4,917.16	287.96	18.076		
12,100.00	7,321.00	7,352.00	7,352.00	151.42	147.49	90.00	-5,650.80	-9,375.52	5,107.43	4,818.82	288.61	17.697		
12,200.00	7,321.00	7,352.00	7,352.00	152.66	147.49	90.00	-5,650.80	-9,375.52	5,009.83	4,720.55	289.28	17.318		
12,300.00	7,321.00	7,352.00	7,352.00	153.93	147.49	90.00	-5,650.80	-9,375.52	4,912.33	4,622.35	289.98	16.940		
12,400.00	7,321.00	7,352.00	7,352.00	155.22	147.49	90.00	-5,650.80	-9,375.52	4,814.93	4,524.22	290.70	16.563		
12,500.00	7,321.00	7,352.00	7,352.00	156.55	147.49	90.00	-5,650.80	-9,375.52	4,717.63	4,426.18	291.46	16.186		
12,600.00	7,321.00	7,352.00	7,352.00	157.91	147.49	90.00	-5,650.80	-9,375.52	4,620.46	4,328.22	292.24	15.810		
12,700.00	7,321.00	7,352.00	7,352.00	159.31	147.49	90.00	-5,650.80	-9,375.52	4,523.40	4,230.35	293.06	15.435		
12,800.00	7,321.00	7,352.00	7,352.00	160.73	147.49	90.00	-5,650.80	-9,375.52	4,426.48	4,132.57	293.91	15.061		
12,900.00	7,321.00	7,352.00	7,352.00	162.18	147.49	90.00	-5,650.80	-9,375.52	4,329.70	4,034.90	294.80	14.687		
13,000.00	7,321.00	7,352.00	7,352.00	163.67	147.49	90.00	-5,650.80	-9,375.52	4,233.07	3,937.34	295.72	14.314		
13,100.00	7,321.00	7,352.00	7,352.00	165.18	147.49	90.00	-5,650.80	-9,375.52	4,136.60	3,839.90	296.69	13.942		
13,200.00	7,321.00	7,352.00	7,352.00	166.73	147.49	90.00	-5,650.80	-9,375.52	4,040.29	3,742.59	297.70	13.572		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,300.00	7,321.00	7,352.00	7,352.00	168.30	147.49	90.00	-5,650.80	-9,375.52	3,944.18	3,645.42	298.76	13.202		
13,400.00	7,321.00	7,352.00	7,352.00	169.90	147.49	90.00	-5,650.80	-9,375.52	3,848.26	3,548.39	299.87	12.833		
13,500.00	7,321.00	7,352.00	7,352.00	171.53	147.49	90.00	-5,650.80	-9,375.52	3,752.55	3,451.53	301.03	12.466		
13,600.00	7,321.00	7,352.00	7,352.00	173.19	147.49	90.00	-5,650.80	-9,375.52	3,657.08	3,354.84	302.24	12.100		
13,700.00	7,321.00	7,352.00	7,352.00	174.88	147.49	90.00	-5,650.80	-9,375.52	3,561.85	3,258.33	303.52	11.735		
13,800.00	7,321.00	7,352.00	7,352.00	176.59	147.49	90.00	-5,650.80	-9,375.52	3,466.89	3,162.03	304.86	11.372		
13,900.00	7,321.00	7,352.00	7,352.00	178.33	147.49	90.00	-5,650.80	-9,375.52	3,372.22	3,065.96	306.27	11.011		
14,000.00	7,321.00	7,352.00	7,352.00	180.09	147.49	90.00	-5,650.80	-9,375.52	3,277.87	2,970.13	307.75	10.651		
14,100.00	7,321.00	7,352.00	7,352.00	181.88	147.49	90.00	-5,650.80	-9,375.52	3,183.87	2,874.56	309.31	10.294		
14,200.00	7,321.00	7,352.00	7,352.00	183.70	147.49	90.00	-5,650.80	-9,375.52	3,090.24	2,779.29	310.95	9.938		
14,300.00	7,321.00	7,352.00	7,352.00	185.54	147.49	90.00	-5,650.80	-9,375.52	2,997.02	2,684.33	312.69	9.585		
14,400.00	7,321.00	7,352.00	7,352.00	187.40	147.49	90.00	-5,650.80	-9,375.52	2,904.25	2,589.74	314.52	9.234		
14,500.00	7,321.00	7,352.00	7,352.00	189.29	147.49	90.00	-5,650.80	-9,375.52	2,811.98	2,495.53	316.45	8.886		
14,600.00	7,321.00	7,352.00	7,352.00	191.20	147.49	90.00	-5,650.80	-9,375.52	2,720.26	2,401.77	318.49	8.541		
14,700.00	7,321.00	7,352.00	7,352.00	193.13	147.49	90.00	-5,650.80	-9,375.52	2,629.14	2,308.48	320.65	8.199		
14,800.00	7,321.00	7,352.00	7,352.00	195.08	147.49	90.00	-5,650.80	-9,375.52	2,538.68	2,215.75	322.94	7.861		
14,900.00	7,321.00	7,352.00	7,352.00	197.05	147.49	90.00	-5,650.80	-9,375.52	2,448.97	2,123.62	325.36	7.527		
15,000.00	7,321.00	7,352.00	7,352.00	199.04	147.49	90.00	-5,650.80	-9,375.52	2,360.09	2,032.18	327.92	7.197		
15,100.00	7,321.00	7,352.00	7,352.00	201.06	147.49	90.00	-5,650.80	-9,375.52	2,272.13	1,941.51	330.62	6.872		
15,200.00	7,321.00	7,352.00	7,352.00	203.09	147.49	90.00	-5,650.80	-9,375.52	2,185.21	1,851.73	333.48	6.553		
15,300.00	7,321.00	7,352.00	7,352.00	205.14	147.49	90.00	-5,650.80	-9,375.52	2,099.46	1,762.95	336.51	6.239		
15,400.00	7,321.00	7,352.00	7,352.00	207.21	147.49	90.00	-5,650.80	-9,375.52	2,015.01	1,675.32	339.69	5.932		
15,500.00	7,321.00	7,352.00	7,352.00	209.29	147.49	90.00	-5,650.80	-9,375.52	1,932.05	1,589.01	343.04	5.632		
15,600.00	7,321.00	7,352.00	7,352.00	211.39	147.49	90.00	-5,650.80	-9,375.52	1,850.78	1,504.23	346.55	5.341		
15,700.00	7,321.00	7,352.00	7,352.00	213.51	147.49	90.00	-5,650.80	-9,375.52	1,771.43	1,421.22	350.20	5.058		
15,800.00	7,321.00	7,352.00	7,352.00	215.65	147.49	90.00	-5,650.80	-9,375.52	1,694.26	1,340.27	353.98	4.786		
15,900.00	7,321.00	7,352.00	7,352.00	217.80	147.49	90.00	-5,650.80	-9,375.52	1,619.59	1,261.73	357.86	4.526		
16,000.00	7,321.00	7,352.00	7,352.00	219.96	147.49	90.00	-5,650.80	-9,375.52	1,547.78	1,186.00	361.78	4.278		
16,100.00	7,321.00	7,352.00	7,352.00	222.14	147.49	90.00	-5,650.80	-9,375.52	1,479.25	1,113.58	365.67	4.045		
16,200.00	7,321.00	7,352.00	7,352.00	224.34	147.49	90.00	-5,650.80	-9,375.52	1,414.48	1,045.04	369.44	3.829		
16,300.00	7,321.00	7,352.00	7,352.00	226.55	147.49	90.00	-5,650.80	-9,375.52	1,353.99	981.05	372.94	3.631		
16,400.00	7,321.00	7,352.00	7,352.00	228.77	147.49	90.00	-5,650.80	-9,375.52	1,298.41	922.38	376.02	3.453		
16,500.00	7,321.00	7,352.00	7,352.00	231.00	147.49	90.00	-5,650.80	-9,375.52	1,248.37	869.89	378.47	3.298		
16,600.00	7,321.00	7,352.00	7,352.00	233.25	147.49	90.00	-5,650.80	-9,375.52	1,204.56	824.50	380.06	3.169		
16,700.00	7,321.00	7,352.00	7,352.00	235.51	147.49	90.00	-5,650.80	-9,375.52	1,167.71	787.17	380.54	3.069		
16,800.00	7,321.00	7,352.00	7,352.00	237.78	147.49	90.00	-5,650.80	-9,375.52	1,138.46	758.80	379.66	2.999		
16,900.00	7,321.00	7,352.00	7,352.00	240.06	147.49	90.00	-5,650.80	-9,375.52	1,117.43	740.20	377.23	2.962		
17,000.00	7,321.00	7,352.00	7,352.00	242.35	147.49	90.00	-5,650.80	-9,375.52	1,105.08	731.93	373.15	2.961 ES, SF		
17,087.20	7,321.00	7,352.00	7,352.00	244.36	147.49	90.00	-5,650.80	-9,375.52	1,101.64	733.40	368.24	2.992 CC		
17,100.00	7,321.00	7,352.00	7,352.00	244.66	147.49	90.00	-5,650.80	-9,375.52	1,101.71	734.29	367.42	2.999		
17,200.00	7,321.00	7,352.00	7,352.00	246.97	147.49	90.00	-5,650.80	-9,375.52	1,107.40	747.23	360.16	3.075		
17,300.00	7,321.00	7,352.00	7,352.00	249.29	147.49	90.00	-5,650.80	-9,375.52	1,122.00	770.37	351.63	3.191		
17,400.00	7,321.00	7,352.00	7,352.00	251.63	147.49	90.00	-5,650.80	-9,375.52	1,145.18	803.03	342.15	3.347		
17,500.00	7,321.00	7,352.00	7,352.00	253.97	147.49	90.00	-5,650.80	-9,375.52	1,176.44	844.34	332.10	3.542		
17,600.00	7,321.00	7,352.00	7,352.00	256.32	147.49	90.00	-5,650.80	-9,375.52	1,215.14	893.31	321.83	3.776		
17,700.00	7,321.00	7,352.00	7,352.00	258.68	147.49	90.00	-5,650.80	-9,375.52	1,260.60	948.94	311.66	4.045		
17,800.00	7,321.00	7,352.00	7,352.00	261.05	147.49	90.00	-5,650.80	-9,375.52	1,312.13	1,010.28	301.84	4.347		
17,900.00	7,321.00	7,352.00	7,352.00	263.43	147.49	90.00	-5,650.80	-9,375.52	1,369.03	1,076.46	292.57	4.679		
18,000.00	7,321.00	7,352.00	7,352.00	265.81	147.49	90.00	-5,650.80	-9,375.52	1,430.66	1,146.70	283.96	5.038		
18,100.00	7,321.00	7,352.00	7,352.00	268.21	147.49	90.00	-5,650.80	-9,375.52	1,496.45	1,220.36	276.08	5.420		
18,200.00	7,321.00	7,352.00	7,352.00	270.61	147.49	90.00	-5,650.80	-9,375.52	1,565.86	1,296.89	268.97	5.822		
18,300.00	7,321.00	7,352.00	7,352.00	273.02	147.49	90.00	-5,650.80	-9,375.52	1,638.44	1,375.83	262.61	6.239		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 0-INC												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
18,400.00	7,321.00	7,352.00	7,352.00	275.43	147.49	90.00	-5,650.80	-9,375.52	1,713.78	1,456.80	256.98	6.669	
18,500.00	7,321.00	7,352.00	7,352.00	277.86	147.49	90.00	-5,650.80	-9,375.52	1,791.53	1,539.49	252.04	7.108	
18,600.00	7,321.00	7,352.00	7,352.00	280.28	147.49	90.00	-5,650.80	-9,375.52	1,871.40	1,623.65	247.75	7.554	
18,700.00	7,321.00	7,352.00	7,352.00	282.72	147.49	90.00	-5,650.80	-9,375.52	1,953.13	1,709.08	244.05	8.003	
18,800.00	7,321.00	7,352.00	7,352.00	285.16	147.49	90.00	-5,650.80	-9,375.52	2,036.48	1,795.60	240.88	8.454	
18,900.00	7,321.00	7,352.00	7,352.00	287.61	147.49	90.00	-5,650.80	-9,375.52	2,121.28	1,883.09	238.19	8.906	
19,000.00	7,321.00	7,352.00	7,352.00	290.06	147.49	90.00	-5,650.80	-9,375.52	2,207.35	1,971.42	235.93	9.356	
19,100.00	7,321.00	7,352.00	7,352.00	292.52	147.49	90.00	-5,650.80	-9,375.52	2,294.55	2,060.50	234.05	9.804	
19,200.00	7,321.00	7,352.00	7,352.00	294.99	147.49	90.00	-5,650.80	-9,375.52	2,382.75	2,150.25	232.50	10.248	
19,300.00	7,321.00	7,352.00	7,352.00	297.46	147.49	90.00	-5,650.80	-9,375.52	2,471.85	2,240.61	231.24	10.690	
19,400.00	7,321.00	7,352.00	7,352.00	299.94	147.49	90.00	-5,650.80	-9,375.52	2,561.76	2,331.53	230.23	11.127	
19,500.00	7,321.00	7,352.00	7,352.00	302.42	147.49	90.00	-5,650.80	-9,375.52	2,652.39	2,422.95	229.44	11.560	
19,600.00	7,321.00	7,352.00	7,352.00	304.90	147.49	90.00	-5,650.80	-9,375.52	2,743.67	2,514.84	228.83	11.990	
19,700.00	7,321.00	7,352.00	7,352.00	307.40	147.49	90.00	-5,650.80	-9,375.52	2,835.54	2,607.15	228.39	12.415	
19,800.00	7,321.00	7,352.00	7,352.00	309.89	147.49	90.00	-5,650.80	-9,375.52	2,927.94	2,699.86	228.08	12.837	
19,900.00	7,321.00	7,352.00	7,352.00	312.39	147.49	90.00	-5,650.80	-9,375.52	3,020.83	2,792.94	227.89	13.256	
20,000.00	7,321.00	7,352.00	7,352.00	314.90	147.49	90.00	-5,650.80	-9,375.52	3,114.16	2,886.36	227.79	13.671	
20,100.00	7,321.00	7,352.00	7,352.00	317.41	147.49	90.00	-5,650.80	-9,375.52	3,207.89	2,980.10	227.78	14.083	
20,200.00	7,321.00	7,352.00	7,352.00	319.92	147.49	90.00	-5,650.80	-9,375.52	3,301.98	3,074.14	227.84	14.493	
20,300.00	7,321.00	7,352.00	7,352.00	322.44	147.49	90.00	-5,650.80	-9,375.52	3,396.42	3,168.46	227.96	14.899	
20,400.00	7,321.00	7,352.00	7,352.00	324.96	147.49	90.00	-5,650.80	-9,375.52	3,491.16	3,263.04	228.12	15.304	
20,500.00	7,321.00	7,352.00	7,352.00	327.49	147.49	90.00	-5,650.80	-9,375.52	3,586.19	3,357.86	228.33	15.706	
20,600.00	7,321.00	7,352.00	7,352.00	330.02	147.49	90.00	-5,650.80	-9,375.52	3,681.48	3,452.91	228.57	16.107	
20,700.00	7,321.00	7,352.00	7,352.00	332.55	147.49	90.00	-5,650.80	-9,375.52	3,777.02	3,548.18	228.84	16.505	
20,800.00	7,321.00	7,352.00	7,352.00	335.09	147.49	90.00	-5,650.80	-9,375.52	3,872.78	3,643.65	229.13	16.902	
20,900.00	7,321.00	7,352.00	7,352.00	337.63	147.49	90.00	-5,650.80	-9,375.52	3,968.75	3,739.32	229.44	17.298	
21,000.00	7,321.00	7,352.00	7,352.00	340.17	147.49	90.00	-5,650.80	-9,375.52	4,064.92	3,835.16	229.76	17.692	
21,100.00	7,321.00	7,352.00	7,352.00	342.72	147.49	90.00	-5,650.80	-9,375.52	4,161.26	3,931.17	230.09	18.085	
21,200.00	7,321.00	7,352.00	7,352.00	345.27	147.49	90.00	-5,650.80	-9,375.52	4,257.78	4,027.35	230.43	18.477	
21,300.00	7,321.00	7,352.00	7,352.00	347.82	147.49	90.00	-5,650.80	-9,375.52	4,354.45	4,123.67	230.78	18.868	
21,400.00	7,321.00	7,352.00	7,352.00	350.38	147.49	90.00	-5,650.80	-9,375.52	4,451.27	4,220.14	231.13	19.258	
21,500.00	7,321.00	7,352.00	7,352.00	352.94	147.49	90.00	-5,650.80	-9,375.52	4,548.23	4,316.74	231.49	19.648	
21,600.00	7,321.00	7,352.00	7,352.00	355.50	147.49	90.00	-5,650.80	-9,375.52	4,645.31	4,413.47	231.84	20.036	
21,700.00	7,321.00	7,352.00	7,352.00	358.07	147.49	90.00	-5,650.80	-9,375.52	4,742.52	4,510.32	232.20	20.424	
21,746.26	7,321.00	7,352.00	7,352.00	359.25	147.49	90.00	-5,650.80	-9,375.52	4,787.52	4,555.16	232.36	20.604	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
2,000.00	1,883.88	1,855.88	1,855.88	11.78	6.46	31.56	-6,973.77	-7,838.38	9,998.82	9,983.82	15.00	666.644		
2,100.00	1,963.74	1,935.74	1,935.74	12.84	6.74	32.41	-6,973.77	-7,838.38	9,944.96	9,929.08	15.88	626.297		
2,200.00	2,041.45	2,013.45	2,013.45	13.95	7.02	33.34	-6,973.77	-7,838.38	9,888.72	9,871.95	16.77	589.624		
2,300.00	2,116.92	2,088.92	2,088.92	15.10	7.29	34.34	-6,973.77	-7,838.38	9,830.18	9,812.51	17.68	556.153		
2,400.00	2,190.05	2,162.05	2,162.05	16.31	7.55	35.42	-6,973.77	-7,838.38	9,769.42	9,750.83	18.59	525.490		
2,500.00	2,260.76	2,232.76	2,232.76	17.56	7.81	36.60	-6,973.77	-7,838.38	9,706.53	9,687.01	19.52	497.303		
2,600.00	2,328.95	2,300.95	2,300.95	18.85	8.05	37.87	-6,973.77	-7,838.38	9,641.59	9,621.14	20.46	471.312		
2,700.00	2,394.55	2,366.55	2,366.55	20.19	8.29	39.23	-6,973.77	-7,838.38	9,574.71	9,553.30	21.41	447.275		
2,800.00	2,457.48	2,429.48	2,429.48	21.57	8.51	40.71	-6,973.77	-7,838.38	9,505.97	9,483.60	22.37	424.977		
2,900.00	2,518.85	2,490.85	2,490.85	22.98	8.73	41.08	-6,973.77	-7,838.38	9,436.27	9,412.93	23.34	404.297		
3,000.00	2,580.20	2,552.20	2,552.20	24.39	8.95	41.35	-6,973.77	-7,838.38	9,366.71	9,342.38	24.33	385.058		
3,100.00	2,641.56	2,613.56	2,613.56	25.81	9.17	41.62	-6,973.77	-7,838.38	9,297.30	9,271.97	25.33	367.098		
3,200.00	2,702.91	2,674.91	2,674.91	27.23	9.39	41.90	-6,973.77	-7,838.38	9,228.04	9,201.70	26.34	350.311		
3,300.00	2,764.27	2,736.27	2,736.27	28.65	9.61	42.18	-6,973.77	-7,838.38	9,158.94	9,131.57	27.37	334.599		
3,400.00	2,825.62	2,797.62	2,797.62	30.08	9.83	42.46	-6,973.77	-7,838.38	9,090.00	9,061.59	28.42	319.873		
3,500.00	2,886.98	2,858.98	2,858.98	31.51	10.05	42.74	-6,973.77	-7,838.38	9,021.23	8,991.75	29.48	306.053		
3,600.00	2,948.33	2,920.33	2,920.33	32.95	10.27	43.03	-6,973.77	-7,838.38	8,952.62	8,922.08	30.55	293.065		
3,700.00	3,009.68	2,981.68	2,981.68	34.38	10.49	43.33	-6,973.77	-7,838.38	8,884.19	8,852.56	31.63	280.843		
3,800.00	3,071.04	3,043.04	3,043.04	35.82	10.71	43.62	-6,973.77	-7,838.38	8,815.93	8,783.20	32.73	269.326		
3,900.00	3,132.39	3,104.39	3,104.39	37.25	10.93	43.92	-6,973.77	-7,838.38	8,747.85	8,714.01	33.85	258.460		
4,000.00	3,193.75	3,165.75	3,165.75	38.69	11.15	44.22	-6,973.77	-7,838.38	8,679.96	8,644.99	34.97	248.196		
4,100.00	3,255.10	3,227.10	3,227.10	40.13	11.37	44.53	-6,973.77	-7,838.38	8,612.26	8,576.15	36.11	238.488		
4,200.00	3,316.46	3,288.46	3,288.46	41.58	11.59	44.83	-6,973.77	-7,838.38	8,544.75	8,507.48	37.27	229.296		
4,300.00	3,377.81	3,349.81	3,349.81	43.02	11.81	45.15	-6,973.77	-7,838.38	8,477.43	8,439.00	38.43	220.583		
4,400.00	3,439.17	3,411.17	3,411.17	44.46	12.03	45.46	-6,973.77	-7,838.38	8,410.32	8,370.71	39.61	212.315		
4,500.00	3,500.52	3,472.52	3,472.52	45.91	12.25	45.78	-6,973.77	-7,838.38	8,343.42	8,302.61	40.81	204.461		
4,600.00	3,561.88	3,533.88	3,533.88	47.35	12.47	46.10	-6,973.77	-7,838.38	8,276.73	8,234.72	42.02	196.993		
4,700.00	3,623.23	3,595.23	3,595.23	48.80	12.69	46.43	-6,973.77	-7,838.38	8,210.26	8,167.02	43.24	189.886		
4,800.00	3,684.59	3,656.59	3,656.59	50.24	12.91	46.76	-6,973.77	-7,838.38	8,144.01	8,099.53	44.47	183.115		
4,900.00	3,745.94	3,717.94	3,717.94	51.69	13.13	47.09	-6,973.77	-7,838.38	8,077.99	8,032.26	45.73	176.659		
5,000.00	3,807.30	3,779.30	3,779.30	53.14	13.35	47.43	-6,973.77	-7,838.38	8,012.20	7,965.21	46.99	170.500		
5,100.00	3,868.65	3,840.65	3,840.65	54.58	13.57	47.77	-6,973.77	-7,838.38	7,946.66	7,898.38	48.27	164.617		
5,200.00	3,930.01	3,902.01	3,902.01	56.03	13.79	48.11	-6,973.77	-7,838.38	7,881.36	7,831.79	49.57	158.995		
5,300.00	3,991.36	3,963.36	3,963.36	57.48	14.01	48.46	-6,973.77	-7,838.38	7,816.31	7,765.43	50.88	153.618		
5,400.00	4,052.72	4,024.72	4,024.72	58.93	14.23	48.81	-6,973.77	-7,838.38	7,751.52	7,699.31	52.21	148.471		
5,500.00	4,114.07	4,086.07	4,086.07	60.38	14.45	49.17	-6,973.77	-7,838.38	7,686.99	7,633.44	53.55	143.543		
5,600.00	4,175.43	4,147.43	4,147.43	61.83	14.67	49.52	-6,973.77	-7,838.38	7,622.74	7,567.83	54.91	138.819		
5,700.00	4,236.78	4,208.78	4,208.78	63.28	14.89	49.89	-6,973.77	-7,838.38	7,558.77	7,502.48	56.29	134.290		
5,800.00	4,298.14	4,270.14	4,270.14	64.73	15.11	50.25	-6,973.77	-7,838.38	7,495.08	7,437.40	57.68	129.945		
5,900.00	4,359.49	4,331.49	4,331.49	66.18	15.33	50.62	-6,973.77	-7,838.38	7,431.69	7,372.60	59.09	125.773		
6,000.00	4,420.85	4,392.85	4,392.85	67.63	15.55	51.00	-6,973.77	-7,838.38	7,368.59	7,308.08	60.51	121.766		
6,100.00	4,482.20	4,454.20	4,454.20	69.08	15.77	51.38	-6,973.77	-7,838.38	7,305.81	7,243.85	61.96	117.916		
6,200.00	4,543.55	4,515.55	4,515.55	70.53	15.99	51.76	-6,973.77	-7,838.38	7,243.34	7,179.92	63.42	114.214		
6,300.00	4,604.91	4,576.91	4,576.91	71.98	16.21	52.15	-6,973.77	-7,838.38	7,181.20	7,116.30	64.90	110.653		
6,400.00	4,666.26	4,638.26	4,638.26	73.44	16.43	52.54	-6,973.77	-7,838.38	7,119.39	7,052.99	66.40	107.227		
6,500.00	4,727.62	4,699.62	4,699.62	74.89	16.65	52.93	-6,973.77	-7,838.38	7,057.92	6,990.01	67.91	103.929		
6,600.00	4,788.97	4,760.97	4,760.97	76.34	16.87	53.33	-6,973.77	-7,838.38	6,996.80	6,927.36	69.45	100.752		
6,700.00	4,850.33	4,822.33	4,822.33	77.79	17.09	53.74	-6,973.77	-7,838.38	6,936.05	6,865.05	71.00	97.692		
6,800.00	4,911.68	4,883.68	4,883.68	79.24	17.31	54.14	-6,973.77	-7,838.38	6,875.66	6,803.09	72.57	94.743		
6,900.00	4,973.04	4,945.04	4,945.04	80.70	17.53	54.56	-6,973.77	-7,838.38	6,815.65	6,741.49	74.16	91.899		
7,000.00	5,034.39	5,006.39	5,006.39	82.15	17.75	54.97	-6,973.77	-7,838.38	6,756.04	6,680.26	75.78	89.158		
7,100.00	5,095.75	5,067.75	5,067.75	83.60	17.97	55.39	-6,973.77	-7,838.38	6,696.82	6,619.41	77.41	86.513		

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 MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
7,200.00	5,157.10	5,129.10	5,129.10	85.05	18.19	55.82	-6,973.77	-7,838.38	6,638.02	6,558.96	79.06	83.961		
7,300.00	5,218.46	5,190.46	5,190.46	86.51	18.41	56.25	-6,973.77	-7,838.38	6,579.64	6,498.90	80.73	81.499		
7,400.00	5,279.81	5,251.81	5,251.81	87.96	18.63	56.68	-6,973.77	-7,838.38	6,521.69	6,439.26	82.43	79.121		
7,500.00	5,341.17	5,313.17	5,313.17	89.41	18.85	57.12	-6,973.77	-7,838.38	6,464.18	6,380.04	84.14	76.826		
7,600.00	5,402.52	5,374.52	5,374.52	90.87	19.07	57.56	-6,973.77	-7,838.38	6,407.14	6,321.26	85.88	74.610		
7,700.00	5,463.88	5,435.88	5,435.88	92.32	19.29	58.01	-6,973.77	-7,838.38	6,350.56	6,262.93	87.63	72.469		
7,800.00	5,525.23	5,497.23	5,497.23	93.77	19.51	58.46	-6,973.77	-7,838.38	6,294.47	6,205.06	89.41	70.400		
7,900.00	5,586.59	5,558.59	5,558.59	95.23	19.73	58.91	-6,973.77	-7,838.38	6,238.87	6,147.66	91.21	68.402		
8,000.00	5,647.94	5,619.94	5,619.94	96.68	19.95	59.37	-6,973.77	-7,838.38	6,183.77	6,090.74	93.03	66.471		
8,100.00	5,709.30	5,681.30	5,681.30	98.13	20.17	59.84	-6,973.77	-7,838.38	6,129.21	6,034.33	94.87	64.605		
8,200.00	5,770.65	5,742.65	5,742.65	99.59	20.39	60.31	-6,973.77	-7,838.38	6,075.17	5,978.44	96.74	62.802		
8,300.00	5,832.01	5,804.01	5,804.01	101.04	20.61	60.78	-6,973.77	-7,838.38	6,021.69	5,923.07	98.62	61.058		
8,400.00	5,893.36	5,865.36	5,865.36	102.49	20.83	61.26	-6,973.77	-7,838.38	5,968.77	5,868.24	100.53	59.373		
8,500.00	5,954.72	5,926.72	5,926.72	103.95	21.05	61.74	-6,973.77	-7,838.38	5,916.44	5,813.98	102.46	57.745		
8,600.00	6,016.07	5,988.07	5,988.07	105.40	21.27	62.22	-6,973.77	-7,838.38	5,864.70	5,760.29	104.41	56.170		
8,700.00	6,077.43	6,049.43	6,049.43	106.86	21.49	62.71	-6,973.77	-7,838.38	5,813.57	5,707.19	106.38	54.648		
8,800.00	6,138.78	6,110.78	6,110.78	108.31	21.71	63.21	-6,973.77	-7,838.38	5,763.07	5,654.70	108.38	53.177		
8,900.00	6,200.13	6,172.13	6,172.13	109.76	21.93	63.71	-6,973.77	-7,838.38	5,713.22	5,602.83	110.39	51.754		
9,000.00	6,261.49	6,233.49	6,233.49	111.22	22.15	64.21	-6,973.77	-7,838.38	5,664.03	5,551.60	112.43	50.380		
9,100.00	6,322.84	6,294.84	6,294.84	112.67	22.37	64.72	-6,973.77	-7,838.38	5,615.51	5,501.03	114.48	49.051		
9,200.00	6,384.20	6,356.20	6,356.20	114.13	22.59	65.23	-6,973.77	-7,838.38	5,567.70	5,451.14	116.56	47.766		
9,300.00	6,445.55	6,417.55	6,417.55	115.58	22.81	65.75	-6,973.77	-7,838.38	5,520.60	5,401.94	118.66	46.525		
9,400.00	6,506.91	6,478.91	6,478.91	117.03	23.03	66.27	-6,973.77	-7,838.38	5,474.23	5,353.46	120.77	45.326		
9,500.00	6,568.26	6,540.26	6,540.26	118.49	23.25	66.79	-6,973.77	-7,838.38	5,428.62	5,305.71	122.91	44.168		
9,600.00	6,629.62	6,601.62	6,601.62	119.94	23.47	67.32	-6,973.77	-7,838.38	5,383.78	5,258.72	125.06	43.048		
9,700.00	6,690.97	6,662.97	6,662.97	121.40	23.69	67.86	-6,973.77	-7,838.38	5,339.73	5,212.50	127.23	41.968		
9,800.00	6,752.33	6,724.33	6,724.33	122.85	23.91	68.39	-6,973.77	-7,838.38	5,296.49	5,167.07	129.42	40.924		
9,900.00	6,813.68	6,785.68	6,785.68	124.31	24.13	68.93	-6,973.77	-7,838.38	5,254.08	5,122.46	131.63	39.916		
10,000.00	6,875.04	6,847.04	6,847.04	125.76	24.35	69.48	-6,973.77	-7,838.38	5,212.53	5,078.68	133.85	38.944		
10,100.00	6,936.39	6,908.39	6,908.39	127.22	24.57	70.03	-6,973.77	-7,838.38	5,171.84	5,035.76	136.08	38.006		
10,200.00	6,997.75	6,969.75	6,969.75	128.67	24.79	70.58	-6,973.77	-7,838.38	5,132.05	4,993.72	138.33	37.101		
10,300.00	7,059.10	7,031.10	7,031.10	130.13	25.01	71.14	-6,973.77	-7,838.38	5,093.17	4,952.58	140.59	36.228		
10,400.00	7,118.86	7,090.86	7,090.86	131.62	25.22	65.12	-6,973.77	-7,838.38	5,049.01	4,906.21	142.80	35.356		
10,500.00	7,173.55	7,145.55	7,145.55	133.17	25.42	59.24	-6,973.77	-7,838.38	4,990.85	4,845.99	144.85	34.455		
10,600.00	7,221.49	7,193.49	7,193.49	134.72	25.59	54.37	-6,973.77	-7,838.38	4,920.07	4,773.41	146.66	33.548		
10,700.00	7,261.21	7,233.21	7,233.21	136.22	25.73	50.32	-6,973.77	-7,838.38	4,838.56	4,690.40	148.15	32.659		
10,800.00	7,291.51	7,263.51	7,263.51	137.61	25.84	46.55	-6,973.77	-7,838.38	4,748.52	4,599.24	149.28	31.809		
10,900.00	7,311.47	7,283.47	7,283.47	138.86	25.91	40.93	-6,973.77	-7,838.38	4,652.46	4,502.48	149.98	31.020		
11,000.00	7,320.48	7,292.48	7,292.48	139.92	25.94	-12.69	-6,973.77	-7,838.38	4,553.17	4,402.94	150.23	30.309		
11,100.00	7,321.00	7,293.00	7,293.00	140.82	25.95	-90.00	-6,973.77	-7,838.38	4,453.27	4,303.17	150.10	29.669		
11,200.00	7,321.00	7,293.00	7,293.00	141.74	25.95	-90.00	-6,973.77	-7,838.38	4,353.39	4,203.46	149.94	29.035		
11,300.00	7,321.00	7,293.00	7,293.00	142.69	25.95	-90.00	-6,973.77	-7,838.38	4,253.52	4,103.75	149.77	28.400		
11,400.00	7,321.00	7,293.00	7,293.00	143.67	25.95	-90.00	-6,973.77	-7,838.38	4,153.66	4,004.06	149.60	27.766		
11,500.00	7,321.00	7,293.00	7,293.00	144.68	25.95	-90.00	-6,973.77	-7,838.38	4,053.80	3,904.39	149.41	27.131		
11,600.00	7,321.00	7,293.00	7,293.00	145.73	25.95	-90.00	-6,973.77	-7,838.38	3,953.95	3,804.73	149.22	26.497		
11,700.00	7,321.00	7,293.00	7,293.00	146.80	25.95	-90.00	-6,973.77	-7,838.38	3,854.11	3,705.09	149.02	25.863		
11,800.00	7,321.00	7,293.00	7,293.00	147.91	25.95	-90.00	-6,973.77	-7,838.38	3,754.27	3,605.47	148.80	25.230		
11,900.00	7,321.00	7,293.00	7,293.00	149.05	25.95	-90.00	-6,973.77	-7,838.38	3,654.45	3,505.87	148.58	24.596		
12,000.00	7,321.00	7,293.00	7,293.00	150.22	25.95	-90.00	-6,973.77	-7,838.38	3,554.63	3,406.29	148.34	23.963		
12,100.00	7,321.00	7,293.00	7,293.00	151.42	25.95	-90.00	-6,973.77	-7,838.38	3,454.83	3,306.74	148.09	23.330		
12,200.00	7,321.00	7,293.00	7,293.00	152.66	25.95	-90.00	-6,973.77	-7,838.38	3,355.03	3,207.21	147.82	22.697		
12,300.00	7,321.00	7,293.00	7,293.00	153.93	25.95	-90.00	-6,973.77	-7,838.38	3,255.25	3,107.72	147.53	22.064		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
12,400.00	7,321.00	7,293.00	7,293.00	155.22	25.95	-90.00	-6,973.77	-7,838.38	3,155.49	3,008.26	147.23	21.432		
12,500.00	7,321.00	7,293.00	7,293.00	156.55	25.95	-90.00	-6,973.77	-7,838.38	3,055.73	2,908.83	146.91	20.801		
12,600.00	7,321.00	7,293.00	7,293.00	157.91	25.95	-90.00	-6,973.77	-7,838.38	2,956.00	2,809.44	146.56	20.169		
12,700.00	7,321.00	7,293.00	7,293.00	159.31	25.95	-90.00	-6,973.77	-7,838.38	2,856.28	2,710.10	146.19	19.538		
12,800.00	7,321.00	7,293.00	7,293.00	160.73	25.95	-90.00	-6,973.77	-7,838.38	2,756.59	2,610.80	145.79	18.908		
12,900.00	7,321.00	7,293.00	7,293.00	162.18	25.95	-90.00	-6,973.77	-7,838.38	2,656.92	2,511.55	145.36	18.278		
13,000.00	7,321.00	7,293.00	7,293.00	163.67	25.95	-90.00	-6,973.77	-7,838.38	2,557.27	2,412.37	144.90	17.649		
13,100.00	7,321.00	7,293.00	7,293.00	165.18	25.95	-90.00	-6,973.77	-7,838.38	2,457.65	2,313.25	144.40	17.020		
13,200.00	7,321.00	7,293.00	7,293.00	166.73	25.95	-90.00	-6,973.77	-7,838.38	2,358.06	2,214.21	143.85	16.392		
13,300.00	7,321.00	7,293.00	7,293.00	168.30	25.95	-90.00	-6,973.77	-7,838.38	2,258.51	2,115.25	143.26	15.765		
13,400.00	7,321.00	7,293.00	7,293.00	169.90	25.95	-90.00	-6,973.77	-7,838.38	2,159.01	2,016.39	142.61	15.139		
13,500.00	7,321.00	7,293.00	7,293.00	171.53	25.95	-90.00	-6,973.77	-7,838.38	2,059.55	1,917.65	141.90	14.514		
13,600.00	7,321.00	7,293.00	7,293.00	173.19	25.95	-90.00	-6,973.77	-7,838.38	1,960.14	1,819.02	141.12	13.890		
13,700.00	7,321.00	7,293.00	7,293.00	174.88	25.95	-90.00	-6,973.77	-7,838.38	1,860.80	1,720.55	140.25	13.268		
13,800.00	7,321.00	7,293.00	7,293.00	176.59	25.95	-90.00	-6,973.77	-7,838.38	1,761.53	1,622.25	139.28	12.647		
13,900.00	7,321.00	7,293.00	7,293.00	178.33	25.95	-90.00	-6,973.77	-7,838.38	1,662.35	1,524.15	138.20	12.029		
14,000.00	7,321.00	7,293.00	7,293.00	180.09	25.95	-90.00	-6,973.77	-7,838.38	1,563.28	1,426.30	136.98	11.412		
14,100.00	7,321.00	7,293.00	7,293.00	181.88	25.95	-90.00	-6,973.77	-7,838.38	1,464.33	1,328.73	135.60	10.799		
14,200.00	7,321.00	7,293.00	7,293.00	183.70	25.95	-90.00	-6,973.77	-7,838.38	1,365.53	1,231.51	134.02	10.189		
14,300.00	7,321.00	7,293.00	7,293.00	185.54	25.95	-90.00	-6,973.77	-7,838.38	1,266.93	1,134.73	132.20	9.583		
14,400.00	7,321.00	7,293.00	7,293.00	187.40	25.95	-90.00	-6,973.77	-7,838.38	1,168.56	1,038.47	130.09	8.983		
14,500.00	7,321.00	7,293.00	7,293.00	189.29	25.95	-90.00	-6,973.77	-7,838.38	1,070.49	942.89	127.60	8.389		
14,600.00	7,321.00	7,293.00	7,293.00	191.20	25.95	-90.00	-6,973.77	-7,838.38	972.82	848.17	124.65	7.804		
14,700.00	7,321.00	7,293.00	7,293.00	193.13	25.95	-90.00	-6,973.77	-7,838.38	875.67	754.56	121.11	7.231		
14,800.00	7,321.00	7,293.00	7,293.00	195.08	25.95	-90.00	-6,973.77	-7,838.38	779.24	662.43	116.81	6.671		
14,900.00	7,321.00	7,293.00	7,293.00	197.05	25.95	-90.00	-6,973.77	-7,838.38	683.84	572.27	111.57	6.129		
15,000.00	7,321.00	7,293.00	7,293.00	199.04	25.95	-90.00	-6,973.77	-7,838.38	589.97	484.70	105.27	5.604		
15,100.00	7,321.00	7,293.00	7,293.00	201.06	25.95	-90.00	-6,973.77	-7,838.38	498.48	400.26	98.22	5.075		
15,200.00	7,321.00	7,293.00	7,293.00	203.09	25.95	-90.00	-6,973.77	-7,838.38	410.98	318.29	92.68	4.434		
15,300.00	7,321.00	7,293.00	7,293.00	205.14	25.95	-90.00	-6,973.77	-7,838.38	330.64	233.54	97.10	3.405		
15,400.00	7,321.00	7,293.00	7,293.00	207.21	25.95	-90.00	-6,973.77	-7,838.38	264.10	137.84	126.26	2.092		
15,500.00	7,321.00	7,293.00	7,293.00	209.29	25.95	-90.00	-6,973.77	-7,838.38	223.98	43.55	180.44	1.241	Level 2	
15,547.89	7,321.00	7,293.00	7,293.00	210.30	25.95	-90.00	-6,973.77	-7,838.38	218.80	12.47	206.33	1.060	Level 2, CC	
15,600.00	7,321.00	7,293.00	7,293.00	211.39	25.95	-90.00	-6,973.77	-7,838.38	224.92	-1.85	226.78	0.992	Level 1, ES, SF	
15,700.00	7,321.00	7,293.00	7,293.00	213.51	25.95	-90.00	-6,973.77	-7,838.38	266.48	27.22	239.26	1.114	Level 2	
15,800.00	7,321.00	7,293.00	7,293.00	215.65	25.95	-90.00	-6,973.77	-7,838.38	333.82	100.98	232.84	1.434	Level 3	
15,900.00	7,321.00	7,293.00	7,293.00	217.80	25.95	-90.00	-6,973.77	-7,838.38	414.55	191.79	222.76	1.861		
16,000.00	7,321.00	7,293.00	7,293.00	219.96	25.95	-90.00	-6,973.77	-7,838.38	502.27	288.58	213.69	2.350		
16,100.00	7,321.00	7,293.00	7,293.00	222.14	25.95	-90.00	-6,973.77	-7,838.38	593.88	387.55	206.33	2.878		
16,200.00	7,321.00	7,293.00	7,293.00	224.34	25.95	-90.00	-6,973.77	-7,838.38	687.84	487.37	200.47	3.431		
16,300.00	7,321.00	7,293.00	7,293.00	226.55	25.95	-90.00	-6,973.77	-7,838.38	783.29	587.53	195.76	4.001		
16,400.00	7,321.00	7,293.00	7,293.00	228.77	25.95	-90.00	-6,973.77	-7,838.38	879.75	687.82	191.94	4.584		
16,500.00	7,321.00	7,293.00	7,293.00	231.00	25.95	-90.00	-6,973.77	-7,838.38	976.93	788.14	188.78	5.175		
16,600.00	7,321.00	7,293.00	7,293.00	233.25	25.95	-90.00	-6,973.77	-7,838.38	1,074.62	888.47	186.15	5.773		
16,700.00	7,321.00	7,293.00	7,293.00	235.51	25.95	-90.00	-6,973.77	-7,838.38	1,172.70	988.78	183.92	6.376		
16,800.00	7,321.00	7,293.00	7,293.00	237.78	25.95	-90.00	-6,973.77	-7,838.38	1,271.08	1,089.06	182.02	6.983		
16,900.00	7,321.00	7,293.00	7,293.00	240.06	25.95	-90.00	-6,973.77	-7,838.38	1,369.70	1,189.32	180.37	7.594		
17,000.00	7,321.00	7,293.00	7,293.00	242.35	25.95	-90.00	-6,973.77	-7,838.38	1,468.50	1,289.56	178.94	8.207		
17,100.00	7,321.00	7,293.00	7,293.00	244.66	25.95	-90.00	-6,973.77	-7,838.38	1,567.46	1,389.78	177.68	8.822		
17,200.00	7,321.00	7,293.00	7,293.00	246.97	25.95	-90.00	-6,973.77	-7,838.38	1,666.53	1,489.97	176.56	9.439		
17,300.00	7,321.00	7,293.00	7,293.00	249.29	25.95	-90.00	-6,973.77	-7,838.38	1,765.72	1,590.15	175.57	10.057		
17,400.00	7,321.00	7,293.00	7,293.00	251.63	25.95	-90.00	-6,973.77	-7,838.38	1,864.99	1,690.31	174.68	10.677		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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-T6N-R67W - ABND VERT MOSIER 1-2 - 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	
17,500.00	7,321.00	7,293.00	7,293.00	253.97	25.95	-90.00	-6,973.77	-7,838.38	1,964.33	1,790.46	173.88	11.297	
17,600.00	7,321.00	7,293.00	7,293.00	256.32	25.95	-90.00	-6,973.77	-7,838.38	2,063.74	1,890.59	173.15	11.919	
17,700.00	7,321.00	7,293.00	7,293.00	258.68	25.95	-90.00	-6,973.77	-7,838.38	2,163.20	1,990.71	172.49	12.541	
17,800.00	7,321.00	7,293.00	7,293.00	261.05	25.95	-90.00	-6,973.77	-7,838.38	2,262.71	2,090.82	171.89	13.163	
17,900.00	7,321.00	7,293.00	7,293.00	263.43	25.95	-90.00	-6,973.77	-7,838.38	2,362.26	2,190.92	171.34	13.787	
18,000.00	7,321.00	7,293.00	7,293.00	265.81	25.95	-90.00	-6,973.77	-7,838.38	2,461.85	2,291.01	170.84	14.410	
18,100.00	7,321.00	7,293.00	7,293.00	268.21	25.95	-90.00	-6,973.77	-7,838.38	2,561.47	2,391.10	170.38	15.034	
18,200.00	7,321.00	7,293.00	7,293.00	270.61	25.95	-90.00	-6,973.77	-7,838.38	2,661.12	2,491.17	169.95	15.659	
18,300.00	7,321.00	7,293.00	7,293.00	273.02	25.95	-90.00	-6,973.77	-7,838.38	2,760.79	2,591.24	169.55	16.283	
18,400.00	7,321.00	7,293.00	7,293.00	275.43	25.95	-90.00	-6,973.77	-7,838.38	2,860.49	2,691.31	169.18	16.908	
18,500.00	7,321.00	7,293.00	7,293.00	277.86	25.95	-90.00	-6,973.77	-7,838.38	2,960.21	2,791.37	168.84	17.533	
18,600.00	7,321.00	7,293.00	7,293.00	280.28	25.95	-90.00	-6,973.77	-7,838.38	3,059.94	2,891.42	168.52	18.158	
18,700.00	7,321.00	7,293.00	7,293.00	282.72	25.95	-90.00	-6,973.77	-7,838.38	3,159.69	2,991.47	168.22	18.783	
18,800.00	7,321.00	7,293.00	7,293.00	285.16	25.95	-90.00	-6,973.77	-7,838.38	3,259.46	3,091.52	167.94	19.408	
18,900.00	7,321.00	7,293.00	7,293.00	287.61	25.95	-90.00	-6,973.77	-7,838.38	3,359.24	3,191.56	167.68	20.033	
19,000.00	7,321.00	7,293.00	7,293.00	290.06	25.95	-90.00	-6,973.77	-7,838.38	3,459.04	3,291.60	167.44	20.658	
19,100.00	7,321.00	7,293.00	7,293.00	292.52	25.95	-90.00	-6,973.77	-7,838.38	3,558.84	3,391.63	167.21	21.284	
19,200.00	7,321.00	7,293.00	7,293.00	294.99	25.95	-90.00	-6,973.77	-7,838.38	3,658.66	3,491.66	166.99	21.909	
19,300.00	7,321.00	7,293.00	7,293.00	297.46	25.95	-90.00	-6,973.77	-7,838.38	3,758.48	3,591.69	166.79	22.534	
19,400.00	7,321.00	7,293.00	7,293.00	299.94	25.95	-90.00	-6,973.77	-7,838.38	3,858.32	3,691.72	166.60	23.159	
19,500.00	7,321.00	7,293.00	7,293.00	302.42	25.95	-90.00	-6,973.77	-7,838.38	3,958.16	3,791.74	166.42	23.784	
19,600.00	7,321.00	7,293.00	7,293.00	304.90	25.95	-90.00	-6,973.77	-7,838.38	4,058.01	3,891.76	166.25	24.409	
19,700.00	7,321.00	7,293.00	7,293.00	307.40	25.95	-90.00	-6,973.77	-7,838.38	4,157.87	3,991.78	166.09	25.034	
19,800.00	7,321.00	7,293.00	7,293.00	309.89	25.95	-90.00	-6,973.77	-7,838.38	4,257.73	4,091.80	165.93	25.659	
19,900.00	7,321.00	7,293.00	7,293.00	312.39	25.95	-90.00	-6,973.77	-7,838.38	4,357.61	4,191.82	165.79	26.284	
20,000.00	7,321.00	7,293.00	7,293.00	314.90	25.95	-90.00	-6,973.77	-7,838.38	4,457.48	4,291.83	165.65	26.909	
20,100.00	7,321.00	7,293.00	7,293.00	317.41	25.95	-90.00	-6,973.77	-7,838.38	4,557.36	4,391.84	165.52	27.533	
20,200.00	7,321.00	7,293.00	7,293.00	319.92	25.95	-90.00	-6,973.77	-7,838.38	4,657.25	4,491.85	165.40	28.158	
20,300.00	7,321.00	7,293.00	7,293.00	322.44	25.95	-90.00	-6,973.77	-7,838.38	4,757.14	4,591.86	165.28	28.782	
20,400.00	7,321.00	7,293.00	7,293.00	324.96	25.95	-90.00	-6,973.77	-7,838.38	4,857.04	4,691.87	165.17	29.406	
20,500.00	7,321.00	7,293.00	7,293.00	327.49	25.95	-90.00	-6,973.77	-7,838.38	4,956.94	4,791.87	165.07	30.030	
20,600.00	7,321.00	7,293.00	7,293.00	330.02	25.95	-90.00	-6,973.77	-7,838.38	5,056.84	4,891.88	164.97	30.654	
20,700.00	7,321.00	7,293.00	7,293.00	332.55	25.95	-90.00	-6,973.77	-7,838.38	5,156.75	4,991.88	164.87	31.277	
20,800.00	7,321.00	7,293.00	7,293.00	335.09	25.95	-90.00	-6,973.77	-7,838.38	5,256.66	5,091.88	164.78	31.901	
20,900.00	7,321.00	7,293.00	7,293.00	337.63	25.95	-90.00	-6,973.77	-7,838.38	5,356.58	5,191.88	164.69	32.524	
21,000.00	7,321.00	7,293.00	7,293.00	340.17	25.95	-90.00	-6,973.77	-7,838.38	5,456.50	5,291.88	164.61	33.147	
21,100.00	7,321.00	7,293.00	7,293.00	342.72	25.95	-90.00	-6,973.77	-7,838.38	5,556.42	5,391.88	164.54	33.770	
21,200.00	7,321.00	7,293.00	7,293.00	345.27	25.95	-90.00	-6,973.77	-7,838.38	5,656.34	5,491.88	164.46	34.393	
21,300.00	7,321.00	7,293.00	7,293.00	347.82	25.95	-90.00	-6,973.77	-7,838.38	5,756.27	5,591.88	164.39	35.016	
21,400.00	7,321.00	7,293.00	7,293.00	350.38	25.95	-90.00	-6,973.77	-7,838.38	5,856.20	5,691.87	164.32	35.638	
21,500.00	7,321.00	7,293.00	7,293.00	352.94	25.95	-90.00	-6,973.77	-7,838.38	5,956.13	5,791.87	164.26	36.260	
21,600.00	7,321.00	7,293.00	7,293.00	355.50	25.95	-90.00	-6,973.77	-7,838.38	6,056.06	5,891.86	164.20	36.882	
21,700.00	7,321.00	7,293.00	7,293.00	358.07	25.95	-90.00	-6,973.77	-7,838.38	6,156.00	5,991.86	164.14	37.504	
21,746.26	7,321.00	7,293.00	7,293.00	359.25	25.95	-90.00	-6,973.77	-7,838.38	6,202.23	6,038.11	164.12	37.792	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
7,100.00	5,095.75	5,104.75	5,104.75	83.60	18.10	69.11	-5,642.52	-11,713.83	10,053.42	9,962.75	90.67	110.877		
7,200.00	5,157.10	5,166.10	5,166.10	85.05	18.32	69.39	-5,642.52	-11,713.83	10,011.93	9,919.53	92.41	108.347		
7,300.00	5,218.46	5,227.46	5,227.46	86.51	18.54	69.68	-5,642.52	-11,713.83	9,970.89	9,876.74	94.15	105.906		
7,400.00	5,279.81	5,288.81	5,288.81	87.96	18.76	69.96	-5,642.52	-11,713.83	9,930.31	9,834.41	95.90	103.549		
7,500.00	5,341.17	5,350.17	5,350.17	89.41	18.98	70.25	-5,642.52	-11,713.83	9,890.20	9,792.54	97.66	101.272		
7,600.00	5,402.52	5,411.52	5,411.52	90.87	19.20	70.54	-5,642.52	-11,713.83	9,850.55	9,751.13	99.43	99.073		
7,700.00	5,463.88	5,472.88	5,472.88	92.32	19.42	70.83	-5,642.52	-11,713.83	9,811.38	9,710.18	101.20	96.947		
7,800.00	5,525.23	5,534.23	5,534.23	93.77	19.64	71.12	-5,642.52	-11,713.83	9,772.69	9,669.71	102.99	94.891		
7,900.00	5,586.59	5,595.59	5,595.59	95.23	19.86	71.41	-5,642.52	-11,713.83	9,734.49	9,629.71	104.78	92.903		
8,000.00	5,647.94	5,656.94	5,656.94	96.68	20.08	71.70	-5,642.52	-11,713.83	9,696.78	9,590.20	106.58	90.980		
8,100.00	5,709.30	5,718.30	5,718.30	98.13	20.30	72.00	-5,642.52	-11,713.83	9,659.57	9,551.18	108.39	89.120		
8,200.00	5,770.65	5,779.65	5,779.65	99.59	20.52	72.29	-5,642.52	-11,713.83	9,622.86	9,512.66	110.20	87.319		
8,300.00	5,832.01	5,841.01	5,841.01	101.04	20.74	72.59	-5,642.52	-11,713.83	9,586.66	9,474.64	112.03	85.575		
8,400.00	5,893.36	5,902.36	5,902.36	102.49	20.96	72.88	-5,642.52	-11,713.83	9,550.98	9,437.13	113.86	83.887		
8,500.00	5,954.72	5,963.72	5,963.72	103.95	21.18	73.18	-5,642.52	-11,713.83	9,515.82	9,400.13	115.69	82.252		
8,600.00	6,016.07	6,025.07	6,025.07	105.40	21.40	73.48	-5,642.52	-11,713.83	9,481.19	9,363.66	117.53	80.668		
8,700.00	6,077.43	6,086.43	6,086.43	106.86	21.62	73.78	-5,642.52	-11,713.83	9,447.09	9,327.71	119.38	79.133		
8,800.00	6,138.78	6,147.78	6,147.78	108.31	21.84	74.08	-5,642.52	-11,713.83	9,413.53	9,292.29	121.24	77.645		
8,900.00	6,200.13	6,209.13	6,209.13	109.76	22.06	74.38	-5,642.52	-11,713.83	9,380.51	9,257.41	123.10	76.204		
9,000.00	6,261.49	6,270.49	6,270.49	111.22	22.28	74.68	-5,642.52	-11,713.83	9,348.05	9,223.08	124.96	74.806		
9,100.00	6,322.84	6,331.84	6,331.84	112.67	22.50	74.99	-5,642.52	-11,713.83	9,316.14	9,189.30	126.84	73.451		
9,200.00	6,384.20	6,393.20	6,393.20	114.13	22.72	75.29	-5,642.52	-11,713.83	9,284.79	9,156.08	128.71	72.136		
9,300.00	6,445.55	6,454.55	6,454.55	115.58	22.94	75.59	-5,642.52	-11,713.83	9,254.01	9,123.42	130.59	70.862		
9,400.00	6,506.91	6,515.91	6,515.91	117.03	23.16	75.90	-5,642.52	-11,713.83	9,223.80	9,091.33	132.48	69.625		
9,500.00	6,568.26	6,577.26	6,577.26	118.49	23.38	76.21	-5,642.52	-11,713.83	9,194.18	9,059.81	134.37	68.426		
9,600.00	6,629.62	6,638.62	6,638.62	119.94	23.60	76.51	-5,642.52	-11,713.83	9,165.13	9,028.87	136.26	67.262		
9,700.00	6,690.97	6,699.97	6,699.97	121.40	23.82	76.82	-5,642.52	-11,713.83	9,136.68	8,998.52	138.16	66.133		
9,800.00	6,752.33	6,761.33	6,761.33	122.85	24.04	77.13	-5,642.52	-11,713.83	9,108.82	8,968.77	140.06	65.037		
9,900.00	6,813.68	6,822.68	6,822.68	124.31	24.26	77.44	-5,642.52	-11,713.83	9,081.57	8,939.61	141.96	63.974		
10,000.00	6,875.04	6,884.04	6,884.04	125.76	24.48	77.75	-5,642.52	-11,713.83	9,054.92	8,911.05	143.86	62.942		
10,100.00	6,936.39	6,945.39	6,945.39	127.22	24.70	78.06	-5,642.52	-11,713.83	9,028.88	8,883.11	145.77	61.940		
10,200.00	6,997.75	7,006.75	7,006.75	128.67	24.92	78.37	-5,642.52	-11,713.83	9,003.46	8,855.78	147.68	60.967		
10,300.00	7,059.10	7,068.10	7,068.10	130.13	25.14	78.68	-5,642.52	-11,713.83	8,978.66	8,829.08	149.59	60.024		
10,400.00	7,118.86	7,127.86	7,127.86	131.62	25.35	72.92	-5,642.52	-11,713.83	8,947.93	8,796.44	151.49	59.068		
10,500.00	7,173.55	7,182.55	7,182.55	133.17	25.55	67.65	-5,642.52	-11,713.83	8,901.85	8,748.53	153.32	58.060		
10,600.00	7,221.49	7,230.49	7,230.49	134.72	25.72	63.86	-5,642.52	-11,713.83	8,841.60	8,686.57	155.03	57.033		
10,700.00	7,261.21	7,270.21	7,270.21	136.22	25.86	61.73	-5,642.52	-11,713.83	8,768.86	8,612.33	156.53	56.019		
10,800.00	7,291.51	7,300.51	7,300.51	137.61	25.97	61.64	-5,642.52	-11,713.83	8,685.68	8,527.89	157.79	55.046		
10,900.00	7,311.47	7,320.47	7,320.47	138.86	26.04	65.01	-5,642.52	-11,713.83	8,594.43	8,435.68	158.74	54.140		
11,000.00	7,320.48	7,329.48	7,329.48	139.92	26.07	78.80	-5,642.52	-11,713.83	8,497.73	8,338.37	159.36	53.325		
11,100.00	7,321.00	7,330.00	7,330.00	140.82	26.08	90.00	-5,642.52	-11,713.83	8,398.68	8,238.98	159.70	52.590		
11,200.00	7,321.00	7,330.00	7,330.00	141.74	26.08	90.00	-5,642.52	-11,713.83	8,299.57	8,139.53	160.03	51.862		
11,300.00	7,321.00	7,330.00	7,330.00	142.69	26.08	90.00	-5,642.52	-11,713.83	8,200.47	8,040.10	160.37	51.134		
11,400.00	7,321.00	7,330.00	7,330.00	143.67	26.08	90.00	-5,642.52	-11,713.83	8,101.39	7,940.67	160.72	50.406		
11,500.00	7,321.00	7,330.00	7,330.00	144.68	26.08	90.00	-5,642.52	-11,713.83	8,002.34	7,841.26	161.08	49.679		
11,600.00	7,321.00	7,330.00	7,330.00	145.73	26.08	90.00	-5,642.52	-11,713.83	7,903.31	7,741.87	161.45	48.953		
11,700.00	7,321.00	7,330.00	7,330.00	146.80	26.08	90.00	-5,642.52	-11,713.83	7,804.31	7,642.49	161.82	48.227		
11,800.00	7,321.00	7,330.00	7,330.00	147.91	26.08	90.00	-5,642.52	-11,713.83	7,705.33	7,543.12	162.21	47.502		
11,900.00	7,321.00	7,330.00	7,330.00	149.05	26.08	90.00	-5,642.52	-11,713.83	7,606.38	7,443.77	162.61	46.777		
12,000.00	7,321.00	7,330.00	7,330.00	150.22	26.08	90.00	-5,642.52	-11,713.83	7,507.46	7,344.44	163.02	46.054		
12,100.00	7,321.00	7,330.00	7,330.00	151.42	26.08	90.00	-5,642.52	-11,713.83	7,408.57	7,245.13	163.43	45.330		
12,200.00	7,321.00	7,330.00	7,330.00	152.66	26.08	90.00	-5,642.52	-11,713.83	7,309.70	7,145.84	163.86	44.608		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
12,300.00	7,321.00	7,330.00	7,330.00	153.93	26.08	90.00	-5,642.52	-11,713.83	7,210.87	7,046.56	164.31	43.886		
12,400.00	7,321.00	7,330.00	7,330.00	155.22	26.08	90.00	-5,642.52	-11,713.83	7,112.07	6,947.31	164.76	43.166		
12,500.00	7,321.00	7,330.00	7,330.00	156.55	26.08	90.00	-5,642.52	-11,713.83	7,013.30	6,848.07	165.23	42.446		
12,600.00	7,321.00	7,330.00	7,330.00	157.91	26.08	90.00	-5,642.52	-11,713.83	6,914.57	6,748.86	165.71	41.726		
12,700.00	7,321.00	7,330.00	7,330.00	159.31	26.08	90.00	-5,642.52	-11,713.83	6,815.88	6,649.67	166.21	41.008		
12,800.00	7,321.00	7,330.00	7,330.00	160.73	26.08	90.00	-5,642.52	-11,713.83	6,717.22	6,550.51	166.72	40.291		
12,900.00	7,321.00	7,330.00	7,330.00	162.18	26.08	90.00	-5,642.52	-11,713.83	6,618.61	6,451.36	167.24	39.574		
13,000.00	7,321.00	7,330.00	7,330.00	163.67	26.08	90.00	-5,642.52	-11,713.83	6,520.04	6,352.25	167.79	38.859		
13,100.00	7,321.00	7,330.00	7,330.00	165.18	26.08	90.00	-5,642.52	-11,713.83	6,421.51	6,253.16	168.35	38.145		
13,200.00	7,321.00	7,330.00	7,330.00	166.73	26.08	90.00	-5,642.52	-11,713.83	6,323.03	6,154.10	168.92	37.432		
13,300.00	7,321.00	7,330.00	7,330.00	168.30	26.08	90.00	-5,642.52	-11,713.83	6,224.59	6,055.08	169.52	36.720		
13,400.00	7,321.00	7,330.00	7,330.00	169.90	26.08	90.00	-5,642.52	-11,713.83	6,126.21	5,956.08	170.13	36.009		
13,500.00	7,321.00	7,330.00	7,330.00	171.53	26.08	90.00	-5,642.52	-11,713.83	6,027.88	5,857.11	170.77	35.299		
13,600.00	7,321.00	7,330.00	7,330.00	173.19	26.08	90.00	-5,642.52	-11,713.83	5,929.61	5,758.19	171.42	34.591		
13,700.00	7,321.00	7,330.00	7,330.00	174.88	26.08	90.00	-5,642.52	-11,713.83	5,831.39	5,659.29	172.10	33.884		
13,800.00	7,321.00	7,330.00	7,330.00	176.59	26.08	90.00	-5,642.52	-11,713.83	5,733.24	5,560.44	172.80	33.178		
13,900.00	7,321.00	7,330.00	7,330.00	178.33	26.08	90.00	-5,642.52	-11,713.83	5,635.15	5,461.62	173.53	32.474		
14,000.00	7,321.00	7,330.00	7,330.00	180.09	26.08	90.00	-5,642.52	-11,713.83	5,537.13	5,362.85	174.28	31.772		
14,100.00	7,321.00	7,330.00	7,330.00	181.88	26.08	90.00	-5,642.52	-11,713.83	5,439.18	5,264.13	175.06	31.071		
14,200.00	7,321.00	7,330.00	7,330.00	183.70	26.08	90.00	-5,642.52	-11,713.83	5,341.31	5,165.45	175.86	30.372		
14,300.00	7,321.00	7,330.00	7,330.00	185.54	26.08	90.00	-5,642.52	-11,713.83	5,243.52	5,066.82	176.70	29.674		
14,400.00	7,321.00	7,330.00	7,330.00	187.40	26.08	90.00	-5,642.52	-11,713.83	5,145.81	4,968.24	177.57	28.979		
14,500.00	7,321.00	7,330.00	7,330.00	189.29	26.08	90.00	-5,642.52	-11,713.83	5,048.20	4,869.72	178.47	28.286		
14,600.00	7,321.00	7,330.00	7,330.00	191.20	26.08	90.00	-5,642.52	-11,713.83	4,950.67	4,771.26	179.41	27.594		
14,700.00	7,321.00	7,330.00	7,330.00	193.13	26.08	90.00	-5,642.52	-11,713.83	4,853.25	4,672.87	180.39	26.905		
14,800.00	7,321.00	7,330.00	7,330.00	195.08	26.08	90.00	-5,642.52	-11,713.83	4,755.94	4,574.54	181.40	26.218		
14,900.00	7,321.00	7,330.00	7,330.00	197.05	26.08	90.00	-5,642.52	-11,713.83	4,658.74	4,476.28	182.46	25.534		
15,000.00	7,321.00	7,330.00	7,330.00	199.04	26.08	90.00	-5,642.52	-11,713.83	4,561.66	4,378.10	183.56	24.852		
15,100.00	7,321.00	7,330.00	7,330.00	201.06	26.08	90.00	-5,642.52	-11,713.83	4,464.71	4,280.01	184.70	24.172		
15,200.00	7,321.00	7,330.00	7,330.00	203.09	26.08	90.00	-5,642.52	-11,713.83	4,367.90	4,182.00	185.90	23.496		
15,300.00	7,321.00	7,330.00	7,330.00	205.14	26.08	90.00	-5,642.52	-11,713.83	4,271.23	4,084.08	187.15	22.822		
15,400.00	7,321.00	7,330.00	7,330.00	207.21	26.08	90.00	-5,642.52	-11,713.83	4,174.72	3,986.27	188.46	22.152		
15,500.00	7,321.00	7,330.00	7,330.00	209.29	26.08	90.00	-5,642.52	-11,713.83	4,078.38	3,888.56	189.83	21.485		
15,600.00	7,321.00	7,330.00	7,330.00	211.39	26.08	90.00	-5,642.52	-11,713.83	3,982.22	3,790.97	191.26	20.821		
15,700.00	7,321.00	7,330.00	7,330.00	213.51	26.08	90.00	-5,642.52	-11,713.83	3,886.26	3,693.50	192.75	20.162		
15,800.00	7,321.00	7,330.00	7,330.00	215.65	26.08	90.00	-5,642.52	-11,713.83	3,790.50	3,596.17	194.33	19.506		
15,900.00	7,321.00	7,330.00	7,330.00	217.80	26.08	90.00	-5,642.52	-11,713.83	3,694.97	3,498.99	195.98	18.854		
16,000.00	7,321.00	7,330.00	7,330.00	219.96	26.08	90.00	-5,642.52	-11,713.83	3,599.68	3,401.97	197.71	18.207		
16,100.00	7,321.00	7,330.00	7,330.00	222.14	26.08	90.00	-5,642.52	-11,713.83	3,504.65	3,305.12	199.53	17.565		
16,200.00	7,321.00	7,330.00	7,330.00	224.34	26.08	90.00	-5,642.52	-11,713.83	3,409.91	3,208.46	201.45	16.927		
16,300.00	7,321.00	7,330.00	7,330.00	226.55	26.08	90.00	-5,642.52	-11,713.83	3,315.47	3,112.01	203.47	16.295		
16,400.00	7,321.00	7,330.00	7,330.00	228.77	26.08	90.00	-5,642.52	-11,713.83	3,221.38	3,015.78	205.59	15.669		
16,500.00	7,321.00	7,330.00	7,330.00	231.00	26.08	90.00	-5,642.52	-11,713.83	3,127.64	2,919.80	207.84	15.048		
16,600.00	7,321.00	7,330.00	7,330.00	233.25	26.08	90.00	-5,642.52	-11,713.83	3,034.31	2,824.10	210.21	14.434		
16,700.00	7,321.00	7,330.00	7,330.00	235.51	26.08	90.00	-5,642.52	-11,713.83	2,941.42	2,728.70	212.72	13.828		
16,800.00	7,321.00	7,330.00	7,330.00	237.78	26.08	90.00	-5,642.52	-11,713.83	2,849.01	2,633.63	215.38	13.228		
16,900.00	7,321.00	7,330.00	7,330.00	240.06	26.08	90.00	-5,642.52	-11,713.83	2,757.12	2,538.94	218.19	12.637		
17,000.00	7,321.00	7,330.00	7,330.00	242.35	26.08	90.00	-5,642.52	-11,713.83	2,665.82	2,444.66	221.16	12.054		
17,100.00	7,321.00	7,330.00	7,330.00	244.66	26.08	90.00	-5,642.52	-11,713.83	2,575.17	2,350.85	224.32	11.480		
17,200.00	7,321.00	7,330.00	7,330.00	246.97	26.08	90.00	-5,642.52	-11,713.83	2,485.24	2,257.57	227.67	10.916		
17,300.00	7,321.00	7,330.00	7,330.00	249.29	26.08	90.00	-5,642.52	-11,713.83	2,396.10	2,164.87	231.23	10.362		
17,400.00	7,321.00	7,330.00	7,330.00	251.63	26.08	90.00	-5,642.52	-11,713.83	2,307.86	2,072.85	235.00	9.820		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
17,500.00	7,321.00	7,330.00	7,330.00	253.97	26.08	90.00	-5,642.52	-11,713.83	2,220.61	1,981.59	239.01	9.291		
17,600.00	7,321.00	7,330.00	7,330.00	256.32	26.08	90.00	-5,642.52	-11,713.83	2,134.47	1,891.21	243.26	8.774		
17,700.00	7,321.00	7,330.00	7,330.00	258.68	26.08	90.00	-5,642.52	-11,713.83	2,049.60	1,801.83	247.77	8.272		
17,800.00	7,321.00	7,330.00	7,330.00	261.05	26.08	90.00	-5,642.52	-11,713.83	1,966.16	1,713.62	252.54	7.786		
17,900.00	7,321.00	7,330.00	7,330.00	263.43	26.08	90.00	-5,642.52	-11,713.83	1,884.32	1,626.75	257.57	7.316		
18,000.00	7,321.00	7,330.00	7,330.00	265.81	26.08	90.00	-5,642.52	-11,713.83	1,804.32	1,541.44	262.87	6.864		
18,100.00	7,321.00	7,330.00	7,330.00	268.21	26.08	90.00	-5,642.52	-11,713.83	1,726.40	1,457.98	268.42	6.432		
18,200.00	7,321.00	7,330.00	7,330.00	270.61	26.08	90.00	-5,642.52	-11,713.83	1,650.86	1,376.67	274.19	6.021		
18,300.00	7,321.00	7,330.00	7,330.00	273.02	26.08	90.00	-5,642.52	-11,713.83	1,578.05	1,297.90	280.14	5.633		
18,400.00	7,321.00	7,330.00	7,330.00	275.43	26.08	90.00	-5,642.52	-11,713.83	1,508.35	1,222.15	286.21	5.270		
18,500.00	7,321.00	7,330.00	7,330.00	277.86	26.08	90.00	-5,642.52	-11,713.83	1,442.23	1,149.95	292.28	4.934		
18,600.00	7,321.00	7,330.00	7,330.00	280.28	26.08	90.00	-5,642.52	-11,713.83	1,380.19	1,081.98	298.21	4.628		
18,700.00	7,321.00	7,330.00	7,330.00	282.72	26.08	90.00	-5,642.52	-11,713.83	1,322.80	1,018.98	303.83	4.354		
18,800.00	7,321.00	7,330.00	7,330.00	285.16	26.08	90.00	-5,642.52	-11,713.83	1,270.71	961.83	308.88	4.114		
18,900.00	7,321.00	7,330.00	7,330.00	287.61	26.08	90.00	-5,642.52	-11,713.83	1,224.58	911.49	313.09	3.911		
19,000.00	7,321.00	7,330.00	7,330.00	290.06	26.08	90.00	-5,642.52	-11,713.83	1,185.11	868.98	316.14	3.749		
19,100.00	7,321.00	7,330.00	7,330.00	292.52	26.08	90.00	-5,642.52	-11,713.83	1,152.99	835.32	317.67	3.630		
19,200.00	7,321.00	7,330.00	7,330.00	294.99	26.08	90.00	-5,642.52	-11,713.83	1,128.84	811.45	317.39	3.557		
19,300.00	7,321.00	7,330.00	7,330.00	297.46	26.08	90.00	-5,642.52	-11,713.83	1,113.18	798.12	315.06	3.533 SF		
19,400.00	7,321.00	7,330.00	7,330.00	299.94	26.08	90.00	-5,642.52	-11,713.83	1,106.38	795.80	310.57	3.562 ES		
19,425.53	7,321.00	7,330.00	7,330.00	300.57	26.08	90.00	-5,642.52	-11,713.83	1,106.08	797.00	309.08	3.579 CC		
19,500.00	7,321.00	7,330.00	7,330.00	302.42	26.08	90.00	-5,642.52	-11,713.83	1,108.58	804.63	303.96	3.647		
19,600.00	7,321.00	7,330.00	7,330.00	304.90	26.08	90.00	-5,642.52	-11,713.83	1,119.76	824.33	295.42	3.790		
19,700.00	7,321.00	7,330.00	7,330.00	307.40	26.08	90.00	-5,642.52	-11,713.83	1,139.63	854.33	285.30	3.995		
19,800.00	7,321.00	7,330.00	7,330.00	309.89	26.08	90.00	-5,642.52	-11,713.83	1,167.75	893.75	274.00	4.262		
19,900.00	7,321.00	7,330.00	7,330.00	312.39	26.08	90.00	-5,642.52	-11,713.83	1,203.55	941.58	261.97	4.594		
20,000.00	7,321.00	7,330.00	7,330.00	314.90	26.08	90.00	-5,642.52	-11,713.83	1,246.37	996.73	249.63	4.993		
20,100.00	7,321.00	7,330.00	7,330.00	317.41	26.08	90.00	-5,642.52	-11,713.83	1,295.50	1,058.16	237.34	5.458		
20,200.00	7,321.00	7,330.00	7,330.00	319.92	26.08	90.00	-5,642.52	-11,713.83	1,350.26	1,124.88	225.38	5.991		
20,300.00	7,321.00	7,330.00	7,330.00	322.44	26.08	90.00	-5,642.52	-11,713.83	1,410.00	1,196.05	213.96	6.590		
20,400.00	7,321.00	7,330.00	7,330.00	324.96	26.08	90.00	-5,642.52	-11,713.83	1,474.11	1,270.90	203.21	7.254		
20,500.00	7,321.00	7,330.00	7,330.00	327.49	26.08	90.00	-5,642.52	-11,713.83	1,542.04	1,348.83	193.21	7.981		
20,600.00	7,321.00	7,330.00	7,330.00	330.02	26.08	90.00	-5,642.52	-11,713.83	1,613.32	1,429.32	184.00	8.768		
20,700.00	7,321.00	7,330.00	7,330.00	332.55	26.08	90.00	-5,642.52	-11,713.83	1,687.51	1,511.93	175.58	9.611		
20,800.00	7,321.00	7,330.00	7,330.00	335.09	26.08	90.00	-5,642.52	-11,713.83	1,764.25	1,596.33	167.92	10.507		
20,900.00	7,321.00	7,330.00	7,330.00	337.63	26.08	90.00	-5,642.52	-11,713.83	1,843.22	1,682.22	161.00	11.449		
21,000.00	7,321.00	7,330.00	7,330.00	340.17	26.08	90.00	-5,642.52	-11,713.83	1,924.15	1,769.39	154.77	12.433		
21,100.00	7,321.00	7,330.00	7,330.00	342.72	26.08	90.00	-5,642.52	-11,713.83	2,006.80	1,857.62	149.18	13.452		
21,200.00	7,321.00	7,330.00	7,330.00	345.27	26.08	90.00	-5,642.52	-11,713.83	2,090.97	1,946.78	144.19	14.502		
21,300.00	7,321.00	7,330.00	7,330.00	347.82	26.08	90.00	-5,642.52	-11,713.83	2,176.47	2,036.73	139.74	15.575		
21,400.00	7,321.00	7,330.00	7,330.00	350.38	26.08	90.00	-5,642.52	-11,713.83	2,263.17	2,127.37	135.80	16.666		
21,500.00	7,321.00	7,330.00	7,330.00	352.94	26.08	90.00	-5,642.52	-11,713.83	2,350.92	2,218.62	132.30	17.769		
21,600.00	7,321.00	7,330.00	7,330.00	355.50	26.08	90.00	-5,642.52	-11,713.83	2,439.62	2,310.39	129.22	18.879		
21,700.00	7,321.00	7,330.00	7,330.00	358.07	26.08	90.00	-5,642.52	-11,713.83	2,529.15	2,402.64	126.51	19.992		
21,746.26	7,321.00	7,330.00	7,330.00	359.25	26.08	90.00	-5,642.52	-11,713.83	2,570.83	2,445.46	125.37	20.506		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 99-MWVD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
2,800.00	2,457.48	733.00	729.02	21.57	2.54	45.02	-5,650.89	-9,091.31	9,978.75	9,960.23	18.52	538.803		
2,900.00	2,518.85	733.00	729.02	22.98	2.54	45.09	-5,650.89	-9,091.31	9,929.21	9,909.72	19.50	509.321		
3,000.00	2,580.20	733.00	729.02	24.39	2.54	45.09	-5,650.89	-9,091.31	9,880.43	9,859.95	20.49	482.321		
3,100.00	2,641.56	733.00	729.02	25.81	2.54	45.09	-5,650.89	-9,091.31	9,832.43	9,810.94	21.49	457.522		
3,200.00	2,702.91	733.00	729.02	27.23	2.54	45.09	-5,650.89	-9,091.31	9,785.22	9,762.71	22.51	434.699		
3,300.00	2,764.27	776.86	771.74	28.65	2.76	45.28	-5,650.56	-9,101.24	9,738.33	9,714.60	23.73	410.425		
3,400.00	2,825.62	827.00	820.36	30.08	3.01	45.50	-5,650.35	-9,113.48	9,692.69	9,667.71	24.98	387.942		
3,500.00	2,886.98	827.00	820.36	31.51	3.01	45.50	-5,650.35	-9,113.48	9,647.25	9,621.21	26.04	370.419		
3,600.00	2,948.33	827.00	820.36	32.95	3.01	45.50	-5,650.35	-9,113.48	9,602.64	9,575.53	27.11	354.146		
3,700.00	3,009.68	827.00	820.36	34.38	3.01	45.50	-5,650.35	-9,113.48	9,558.87	9,530.67	28.20	339.007		
3,800.00	3,071.04	827.00	820.36	35.82	3.01	45.50	-5,650.35	-9,113.48	9,515.94	9,486.66	29.29	324.902		
3,900.00	3,132.39	864.41	856.48	37.25	3.21	45.66	-5,650.33	-9,123.21	9,473.56	9,443.00	30.56	310.003		
4,000.00	3,193.75	879.78	871.28	38.69	3.29	45.73	-5,650.36	-9,127.35	9,432.04	9,400.30	31.74	297.151		
4,100.00	3,255.10	921.00	910.87	40.13	3.51	45.92	-5,650.54	-9,138.83	9,391.45	9,358.40	33.05	284.159		
4,200.00	3,316.46	921.00	910.87	41.58	3.51	45.92	-5,650.54	-9,138.83	9,351.36	9,317.18	34.18	273.577		
4,300.00	3,377.81	921.00	910.87	43.02	3.51	45.92	-5,650.54	-9,138.83	9,312.17	9,276.84	35.32	263.637		
4,400.00	3,439.17	962.12	950.24	44.46	3.75	46.10	-5,650.79	-9,150.70	9,273.68	9,237.01	36.68	252.859		
4,500.00	3,500.52	1,014.00	999.80	45.91	4.05	46.34	-5,651.05	-9,166.02	9,235.96	9,197.89	38.07	242.579		
4,600.00	3,561.88	1,044.60	1,029.01	47.35	4.24	46.48	-5,651.19	-9,175.15	9,198.82	9,159.43	39.39	233.549		
4,700.00	3,623.23	1,134.46	1,114.82	48.80	4.78	46.89	-5,651.54	-9,201.81	9,162.06	9,121.04	41.01	223.394		
4,800.00	3,684.59	1,195.27	1,172.92	50.24	5.15	47.17	-5,651.86	-9,219.79	9,125.71	9,083.20	42.50	214.705		
4,900.00	3,745.94	1,261.42	1,236.11	51.69	5.56	47.47	-5,652.38	-9,239.33	9,089.85	9,045.82	44.03	206.432		
5,000.00	3,807.30	1,338.06	1,309.36	53.14	6.04	47.82	-5,653.24	-9,261.85	9,054.40	9,008.78	45.63	198.449		
5,100.00	3,868.65	1,737.65	1,693.46	54.58	8.44	49.68	-5,656.25	-9,371.88	9,017.89	8,969.05	48.84	184.652		
5,200.00	3,930.01	1,795.89	1,749.73	56.03	8.78	49.95	-5,656.61	-9,386.92	8,980.85	8,930.48	50.36	178.325		
5,300.00	3,991.36	1,861.00	1,812.64	57.48	9.16	50.25	-5,657.41	-9,403.66	8,944.32	8,892.38	51.93	172.236		
5,400.00	4,052.72	1,934.12	1,883.31	58.93	9.58	50.60	-5,658.52	-9,422.40	8,908.23	8,854.68	53.55	166.363		
5,500.00	4,114.07	1,985.00	1,932.50	60.38	9.87	50.84	-5,659.26	-9,435.39	8,872.55	8,817.49	55.07	161.124		
5,600.00	4,175.43	2,042.76	1,988.32	61.83	10.21	51.11	-5,660.19	-9,450.20	8,837.43	8,780.80	56.63	156.057		
5,700.00	4,236.78	2,085.47	2,029.56	63.28	10.46	51.31	-5,661.03	-9,461.26	8,803.00	8,744.87	58.13	151.440		
5,800.00	4,298.14	2,110.00	2,053.24	64.73	10.60	51.42	-5,661.57	-9,467.66	8,769.26	8,709.72	59.55	147.269		
5,900.00	4,359.49	2,175.35	2,116.25	66.18	10.99	51.73	-5,662.84	-9,484.91	8,736.12	8,674.94	61.18	142.795		
6,000.00	4,420.85	2,235.00	2,173.69	67.63	11.35	52.02	-5,663.61	-9,500.99	8,703.69	8,640.90	62.80	138.603		
6,100.00	4,482.20	2,266.65	2,204.14	69.08	11.54	52.17	-5,663.95	-9,509.62	8,671.90	8,607.62	64.28	134.910		
6,200.00	4,543.55	2,313.38	2,249.08	70.53	11.82	52.40	-5,664.58	-9,522.43	8,640.80	8,574.95	65.85	131.220		
6,300.00	4,604.91	2,360.00	2,293.88	71.98	12.10	52.62	-5,665.34	-9,535.29	8,610.38	8,542.95	67.43	127.698		
6,400.00	4,666.26	2,414.29	2,346.02	73.44	12.44	52.89	-5,666.14	-9,550.40	8,580.60	8,511.55	69.06	124.254		
6,500.00	4,727.62	2,467.49	2,397.07	74.89	12.77	53.15	-5,666.63	-9,565.38	8,551.47	8,480.78	70.69	120.969		
6,600.00	4,788.97	2,512.36	2,440.09	76.34	13.05	53.37	-5,666.83	-9,578.14	8,523.00	8,450.71	72.29	117.899		
6,700.00	4,850.33	2,553.28	2,479.27	77.79	13.30	53.57	-5,666.97	-9,589.92	8,495.29	8,421.41	73.88	114.993		
6,800.00	4,911.68	2,610.00	2,533.52	79.24	13.66	53.85	-5,667.12	-9,606.46	8,468.36	8,392.80	75.56	112.074		
6,900.00	4,973.04	2,638.64	2,560.89	80.70	13.84	54.00	-5,667.20	-9,614.90	8,442.15	8,365.05	77.09	109.509		
7,000.00	5,034.39	2,685.66	2,605.80	82.15	14.15	54.23	-5,667.47	-9,628.82	8,416.68	8,337.95	78.73	106.901		
7,100.00	5,095.75	2,735.00	2,652.90	83.60	14.46	54.48	-5,667.92	-9,643.52	8,391.95	8,311.56	80.40	104.382		
7,200.00	5,157.10	2,780.27	2,696.09	85.05	14.76	54.70	-5,668.52	-9,657.08	8,367.95	8,285.91	82.04	101.996		
7,300.00	5,218.46	2,909.86	2,819.75	86.51	15.59	55.34	-5,671.17	-9,695.72	8,344.63	8,260.44	84.19	99.116		
7,400.00	5,279.81	3,047.21	2,951.24	87.96	16.46	56.02	-5,673.85	-9,735.33	8,321.01	8,234.61	86.39	96.317		
7,500.00	5,341.17	3,329.86	3,222.95	89.41	18.19	57.45	-5,677.15	-9,813.04	8,297.26	8,207.83	89.43	92.779		
7,600.00	5,402.52	3,420.51	3,310.55	90.87	18.72	57.91	-5,678.71	-9,836.29	8,272.46	8,181.09	91.37	90.534		
7,700.00	5,463.88	3,484.00	3,371.84	92.32	19.09	58.23	-5,679.99	-9,852.80	8,248.55	8,155.38	93.17	88.528		
7,800.00	5,525.23	3,511.43	3,398.30	93.77	19.25	58.37	-5,680.51	-9,860.01	8,225.31	8,130.53	94.78	86.783		
7,900.00	5,586.59	3,593.29	3,477.28	95.23	19.73	58.78	-5,681.66	-9,881.50	8,202.69	8,105.99	96.70	84.822		

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

Civitas Resources
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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-T6N-R67W - EXIST HZ BOWER 10-3 - Wellbore #1 - Wellbore #1													Offset Site Error:	0.00 usft
Survey Program: 99-MWVD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,000.00	5,647.94	3,705.91	3,586.08	96.68	20.39	59.37	-5,681.95	-9,910.61	8,180.20	8,081.38	98.82	82.778		
8,100.00	5,709.30	3,770.42	3,648.42	98.13	20.77	59.70	-5,681.83	-9,927.18	8,158.26	8,057.60	100.67	81.041		
8,200.00	5,770.65	3,800.82	3,677.77	99.59	20.95	59.86	-5,681.80	-9,935.10	8,137.21	8,034.89	102.32	79.526		
8,300.00	5,832.01	3,859.00	3,733.84	101.04	21.30	60.16	-5,682.00	-9,950.62	8,117.18	8,013.04	104.14	77.943		
8,400.00	5,893.36	3,859.00	3,733.84	102.49	21.30	60.16	-5,682.00	-9,950.62	8,097.87	7,992.26	105.62	76.673		
8,500.00	5,954.72	3,859.00	3,733.84	103.95	21.30	60.16	-5,682.00	-9,950.62	8,079.76	7,972.67	107.08	75.454		
8,600.00	6,016.07	3,904.57	3,777.63	105.40	21.58	60.40	-5,682.35	-9,963.21	8,062.44	7,953.60	108.84	74.079		
8,700.00	6,077.43	3,926.32	3,798.48	106.86	21.72	60.51	-5,682.56	-9,969.40	8,046.25	7,935.81	110.44	72.858		
8,800.00	6,138.78	3,984.00	3,853.59	108.31	22.08	60.81	-5,683.23	-9,986.41	8,031.34	7,919.07	112.27	71.533		
8,900.00	6,200.13	3,984.00	3,853.59	109.76	22.08	60.81	-5,683.23	-9,986.41	8,017.00	7,903.27	113.73	70.492		
9,000.00	6,261.49	3,984.00	3,853.59	111.22	22.08	60.81	-5,683.23	-9,986.41	8,003.88	7,888.71	115.17	69.493		
9,100.00	6,322.84	4,041.34	3,908.21	112.67	22.46	61.11	-5,684.11	-10,003.85	7,991.66	7,874.64	117.02	68.296		
9,200.00	6,384.20	4,083.61	3,948.42	114.13	22.74	61.33	-5,684.92	-10,016.87	7,980.32	7,861.57	118.75	67.202		
9,300.00	6,445.55	6,508.05	6,326.82	115.58	33.70	74.61	-5,673.34	-10,413.81	7,955.28	7,823.25	132.03	60.253		
9,400.00	6,506.91	6,580.31	6,399.06	117.03	33.89	75.03	-5,672.82	-10,415.16	7,926.11	7,792.13	133.99	59.156		
9,500.00	6,568.26	6,659.59	6,478.32	118.49	34.09	75.49	-5,672.20	-10,416.51	7,897.52	7,761.56	135.96	58.086		
9,600.00	6,629.62	6,743.09	6,561.82	119.94	34.31	75.98	-5,671.51	-10,417.71	7,869.45	7,731.50	137.95	57.044		
9,700.00	6,690.97	6,828.18	6,646.90	121.40	34.53	76.47	-5,670.91	-10,418.68	7,841.90	7,701.95	139.95	56.033		
9,800.00	6,752.33	6,917.47	6,736.18	122.85	34.76	77.00	-5,670.44	-10,419.42	7,814.86	7,672.90	141.96	55.049		
9,900.00	6,813.68	6,999.50	6,818.21	124.31	34.97	77.48	-5,670.11	-10,419.82	7,788.30	7,644.34	143.96	54.102		
10,000.00	6,875.04	7,059.16	6,877.87	125.76	35.12	77.83	-5,669.90	-10,420.05	7,762.40	7,616.49	145.91	53.201		
10,100.00	6,936.39	7,121.18	6,939.89	127.22	35.28	78.20	-5,669.71	-10,420.31	7,737.24	7,589.37	147.86	52.327		
10,200.00	6,997.75	7,192.92	7,011.62	128.67	35.46	78.62	-5,669.71	-10,420.56	7,712.75	7,562.90	149.84	51.472		
10,300.00	7,059.10	7,372.30	7,191.00	130.13	35.88	79.69	-5,670.90	-10,420.05	7,688.71	7,536.69	152.01	50.580		
10,400.00	7,118.86	7,460.44	7,279.12	131.62	36.07	79.41	-5,672.04	-10,418.94	7,658.06	7,504.07	153.99	49.732		
10,500.00	7,173.55	7,560.00	7,378.66	133.17	36.29	69.22	-5,673.80	-10,417.23	7,611.89	7,455.96	155.92	48.818		
10,600.00	7,221.49	7,630.22	7,448.84	134.72	36.44	66.13	-5,675.28	-10,415.70	7,551.42	7,393.72	157.70	47.885		
10,700.00	7,261.21	7,670.40	7,489.01	136.22	36.53	64.53	-5,676.15	-10,414.78	7,478.58	7,319.33	159.25	46.960		
10,800.00	7,291.51	7,700.35	7,518.94	137.61	36.60	65.34	-5,676.79	-10,414.09	7,395.44	7,234.88	160.56	46.060		
10,900.00	7,311.47	7,719.18	7,537.75	138.86	36.64	70.40	-5,677.19	-10,413.66	7,304.34	7,142.77	161.57	45.208		
11,000.00	7,320.48	7,726.33	7,544.90	139.92	36.65	87.74	-5,677.34	-10,413.49	7,207.89	7,045.65	162.24	44.427		
11,100.00	7,321.00	7,724.48	7,543.05	140.82	36.65	99.83	-5,677.30	-10,413.54	7,109.15	6,946.51	162.64	43.711		
11,200.00	7,321.00	7,722.09	7,540.66	141.74	36.64	99.71	-5,677.25	-10,413.59	7,010.35	6,847.32	163.03	43.000		
11,300.00	7,321.00	7,719.70	7,538.27	142.69	36.64	99.58	-5,677.20	-10,413.65	6,911.58	6,748.14	163.43	42.290		
11,400.00	7,321.00	7,717.31	7,535.89	143.67	36.63	99.46	-5,677.15	-10,413.70	6,812.84	6,649.00	163.85	41.580		
11,500.00	7,321.00	7,714.92	7,533.50	144.68	36.63	99.34	-5,677.10	-10,413.76	6,714.15	6,549.87	164.28	40.871		
11,600.00	7,321.00	7,712.54	7,531.12	145.73	36.62	99.21	-5,677.05	-10,413.81	6,615.49	6,450.77	164.72	40.163		
11,700.00	7,321.00	7,710.16	7,528.74	146.80	36.62	99.09	-5,677.00	-10,413.87	6,516.87	6,351.70	165.17	39.455		
11,800.00	7,321.00	7,707.78	7,526.36	147.91	36.61	98.96	-5,676.95	-10,413.92	6,418.29	6,252.65	165.64	38.748		
11,900.00	7,321.00	7,705.41	7,523.99	149.05	36.61	98.84	-5,676.89	-10,413.98	6,319.76	6,153.63	166.13	38.042		
12,000.00	7,321.00	7,703.03	7,521.62	150.22	36.60	98.72	-5,676.84	-10,414.03	6,221.27	6,054.65	166.63	37.337		
12,100.00	7,321.00	7,700.66	7,519.25	151.42	36.60	98.59	-5,676.79	-10,414.09	6,122.83	5,955.69	167.14	36.632		
12,200.00	7,321.00	7,698.29	7,516.88	152.66	36.59	98.47	-5,676.74	-10,414.14	6,024.45	5,856.77	167.68	35.929		
12,300.00	7,321.00	7,695.93	7,514.52	153.93	36.59	98.34	-5,676.69	-10,414.20	5,926.11	5,757.88	168.23	35.226		
12,400.00	7,321.00	7,693.56	7,512.15	155.22	36.58	98.22	-5,676.64	-10,414.25	5,827.83	5,659.03	168.80	34.525		
12,500.00	7,321.00	7,691.20	7,509.79	156.55	36.58	98.10	-5,676.59	-10,414.30	5,729.61	5,560.22	169.39	33.824		
12,600.00	7,321.00	7,688.84	7,507.44	157.91	36.57	97.97	-5,676.54	-10,414.36	5,631.45	5,461.44	170.01	33.125		
12,700.00	7,321.00	7,686.49	7,505.08	159.31	36.57	97.85	-5,676.49	-10,414.41	5,533.36	5,362.71	170.64	32.427		
12,800.00	7,321.00	7,684.13	7,502.73	160.73	36.56	97.72	-5,676.44	-10,414.47	5,435.33	5,264.03	171.30	31.730		
12,900.00	7,321.00	7,681.78	7,500.38	162.18	36.56	97.60	-5,676.39	-10,414.52	5,337.38	5,165.39	171.98	31.034		
13,000.00	7,321.00	7,679.43	7,498.03	163.67	36.55	97.48	-5,676.34	-10,414.58	5,239.50	5,066.81	172.69	30.340		
13,100.00	7,321.00	7,677.08	7,495.68	165.18	36.54	97.35	-5,676.29	-10,414.63	5,141.70	4,968.27	173.43	29.648		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 99-MWVD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,200.00	7,321.00	7,674.74	7,493.34	166.73	36.54	97.23	-5,676.24	-10,414.68	5,043.99	4,869.80	174.19	28.957		
13,300.00	7,321.00	7,672.40	7,491.00	168.30	36.53	97.11	-5,676.19	-10,414.74	4,946.37	4,771.38	174.99	28.267		
13,400.00	7,321.00	7,670.06	7,488.66	169.90	36.53	96.99	-5,676.14	-10,414.79	4,848.84	4,673.03	175.81	27.579		
13,500.00	7,321.00	7,667.72	7,486.32	171.53	36.52	96.86	-5,676.09	-10,414.84	4,751.42	4,574.74	176.68	26.893		
13,600.00	7,321.00	7,665.38	7,483.99	173.19	36.52	96.74	-5,676.04	-10,414.90	4,654.10	4,476.53	177.57	26.210		
13,700.00	7,321.00	7,663.05	7,481.66	174.88	36.51	96.62	-5,675.99	-10,414.95	4,556.90	4,378.39	178.51	25.528		
13,800.00	7,321.00	7,660.72	7,479.33	176.59	36.51	96.49	-5,675.94	-10,415.01	4,459.83	4,280.34	179.48	24.848		
13,900.00	7,321.00	7,658.39	7,477.00	178.33	36.50	96.37	-5,675.89	-10,415.06	4,362.88	4,182.37	180.50	24.171		
14,000.00	7,321.00	7,656.07	7,474.68	180.09	36.50	96.25	-5,675.84	-10,415.11	4,266.07	4,084.50	181.57	23.496		
14,100.00	7,321.00	7,653.74	7,472.35	181.88	36.49	96.13	-5,675.79	-10,415.16	4,169.41	3,986.73	182.68	22.823		
14,200.00	7,321.00	7,651.42	7,470.03	183.70	36.49	96.00	-5,675.74	-10,415.22	4,072.91	3,889.07	183.85	22.154		
14,300.00	7,321.00	7,649.10	7,467.72	185.54	36.48	95.88	-5,675.69	-10,415.27	3,976.59	3,791.52	185.07	21.487		
14,400.00	7,321.00	7,646.79	7,465.40	187.40	36.48	95.76	-5,675.64	-10,415.32	3,880.45	3,694.10	186.35	20.823		
14,500.00	7,321.00	7,644.47	7,463.09	189.29	36.47	95.64	-5,675.59	-10,415.38	3,784.50	3,596.81	187.69	20.163		
14,600.00	7,321.00	7,642.16	7,460.78	191.20	36.47	95.51	-5,675.54	-10,415.43	3,688.78	3,499.67	189.10	19.507		
14,700.00	7,321.00	7,639.85	7,458.47	193.13	36.46	95.39	-5,675.49	-10,415.48	3,593.28	3,402.69	190.59	18.854		
14,800.00	7,321.00	7,637.55	7,456.16	195.08	36.46	95.27	-5,675.44	-10,415.53	3,498.03	3,305.88	192.15	18.205		
14,900.00	7,321.00	7,635.24	7,453.86	197.05	36.45	95.15	-5,675.39	-10,415.59	3,403.05	3,209.26	193.79	17.560		
15,000.00	7,321.00	7,632.94	7,451.56	199.04	36.45	95.03	-5,675.34	-10,415.64	3,308.37	3,112.85	195.52	16.921		
15,100.00	7,321.00	7,630.64	7,449.26	201.06	36.44	94.90	-5,675.29	-10,415.69	3,214.01	3,016.66	197.35	16.286		
15,200.00	7,321.00	7,628.34	7,446.96	203.09	36.44	94.78	-5,675.24	-10,415.74	3,120.00	2,920.72	199.28	15.656		
15,300.00	7,321.00	7,626.04	7,444.67	205.14	36.43	94.66	-5,675.19	-10,415.80	3,026.37	2,825.04	201.32	15.032		
15,400.00	7,321.00	7,623.75	7,442.38	207.21	36.43	94.54	-5,675.14	-10,415.85	2,933.16	2,729.67	203.48	14.415		
15,500.00	7,321.00	7,621.46	7,440.09	209.29	36.42	94.42	-5,675.09	-10,415.90	2,840.41	2,634.63	205.77	13.804		
15,600.00	7,321.00	7,619.17	7,437.80	211.39	36.42	94.30	-5,675.04	-10,415.95	2,748.16	2,539.96	208.20	13.200		
15,700.00	7,321.00	7,619.02	7,437.64	213.51	36.42	94.29	-5,675.04	-10,415.95	2,656.47	2,445.70	210.77	12.604		
15,800.00	7,321.00	7,616.18	7,434.81	215.65	36.41	94.14	-5,674.98	-10,416.02	2,565.41	2,351.90	213.50	12.016		
15,900.00	7,321.00	7,613.38	7,432.01	217.80	36.41	93.99	-5,674.92	-10,416.08	2,475.03	2,258.62	216.41	11.437		
16,000.00	7,321.00	7,610.62	7,429.26	219.96	36.40	93.84	-5,674.86	-10,416.15	2,385.42	2,165.92	219.49	10.868		
16,100.00	7,321.00	7,607.90	7,426.53	222.14	36.39	93.70	-5,674.80	-10,416.21	2,296.66	2,073.89	222.78	10.309		
16,200.00	7,321.00	7,605.22	7,423.85	224.34	36.39	93.56	-5,674.74	-10,416.27	2,208.86	1,982.60	226.27	9.762		
16,300.00	7,321.00	7,602.57	7,421.20	226.55	36.38	93.41	-5,674.68	-10,416.33	2,122.14	1,892.17	229.98	9.228		
16,400.00	7,321.00	7,599.95	7,418.59	228.77	36.38	93.28	-5,674.62	-10,416.39	2,036.64	1,802.72	233.91	8.707		
16,500.00	7,321.00	7,597.37	7,416.01	231.00	36.37	93.14	-5,674.57	-10,416.44	1,952.51	1,714.42	238.09	8.201		
16,600.00	7,321.00	7,594.82	7,413.46	233.25	36.37	93.00	-5,674.51	-10,416.50	1,869.94	1,627.42	242.51	7.711		
16,700.00	7,321.00	7,592.31	7,410.95	235.51	36.36	92.87	-5,674.46	-10,416.55	1,789.14	1,541.97	247.17	7.238		
16,800.00	7,321.00	7,589.82	7,408.47	237.78	36.36	92.74	-5,674.41	-10,416.61	1,710.37	1,458.31	252.06	6.786		
16,900.00	7,321.00	7,587.37	7,406.02	240.06	36.35	92.61	-5,674.36	-10,416.66	1,633.93	1,376.77	257.16	6.354		
17,000.00	7,321.00	7,584.95	7,403.60	242.35	36.34	92.48	-5,674.31	-10,416.71	1,560.15	1,297.72	262.43	5.945		
17,100.00	7,321.00	7,582.56	7,401.21	244.66	36.34	92.35	-5,674.26	-10,416.76	1,489.42	1,221.62	267.80	5.562		
17,200.00	7,321.00	7,580.21	7,398.85	246.97	36.33	92.23	-5,674.21	-10,416.81	1,422.21	1,149.03	273.18	5.206		
17,300.00	7,321.00	7,577.88	7,396.52	249.29	36.33	92.10	-5,674.16	-10,416.86	1,359.04	1,080.60	278.45	4.881		
17,400.00	7,321.00	7,575.57	7,394.22	251.63	36.32	91.98	-5,674.11	-10,416.91	1,300.50	1,017.08	283.41	4.589		
17,500.00	7,321.00	7,573.30	7,391.95	253.97	36.32	91.86	-5,674.07	-10,416.96	1,247.23	959.38	287.85	4.333		
17,600.00	7,321.00	7,571.06	7,389.70	256.32	36.31	91.74	-5,674.02	-10,417.00	1,199.94	908.46	291.47	4.117		
17,700.00	7,321.00	7,568.84	7,387.49	258.68	36.31	91.62	-5,673.98	-10,417.05	1,159.36	865.39	293.97	3.944		
17,800.00	7,321.00	7,566.65	7,385.30	261.05	36.30	91.51	-5,673.93	-10,417.09	1,126.22	831.21	295.01	3.818		
17,900.00	7,321.00	7,564.48	7,383.13	263.43	36.30	91.39	-5,673.89	-10,417.14	1,101.19	806.91	294.27	3.742		
18,000.00	7,321.00	7,562.34	7,380.99	265.81	36.30	91.28	-5,673.85	-10,417.18	1,084.83	793.30	291.53	3.721 SF		
18,100.00	7,321.00	7,560.23	7,378.88	268.21	36.29	91.16	-5,673.80	-10,417.22	1,077.54	790.86	286.68	3.759 ES		
18,128.88	7,321.00	7,559.62	7,378.28	268.90	36.29	91.13	-5,673.79	-10,417.24	1,077.15	792.26	284.88	3.781 CC		
18,200.00	7,321.00	7,558.14	7,376.79	270.61	36.29	91.05	-5,673.76	-10,417.27	1,079.49	799.73	279.76	3.859		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 99-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		
18,300.00	7,321.00	7,556.07	7,374.73	273.02	36.28	90.94	-5,673.72	-10,417.31	1,090.65	819.65	271.00	4.024		
18,400.00	7,321.00	7,554.03	7,372.69	275.43	36.28	90.83	-5,673.68	-10,417.35	1,110.73	849.97	260.76	4.260		
18,500.00	7,321.00	7,552.02	7,370.67	277.86	36.27	90.73	-5,673.64	-10,417.39	1,139.26	889.79	249.47	4.567		
18,600.00	7,321.00	7,550.02	7,368.68	280.28	36.27	90.62	-5,673.60	-10,417.43	1,175.63	938.03	237.60	4.948		
18,700.00	7,321.00	7,548.05	7,366.71	282.72	36.26	90.52	-5,673.57	-10,417.46	1,219.13	993.57	225.56	5.405		
18,800.00	7,321.00	7,546.10	7,364.76	285.16	36.26	90.41	-5,673.53	-10,417.50	1,269.04	1,055.32	213.72	5.938		
18,900.00	7,321.00	7,544.18	7,362.84	287.61	36.26	90.31	-5,673.49	-10,417.54	1,324.62	1,122.29	202.34	6.547		
19,000.00	7,321.00	7,542.27	7,360.93	290.06	36.25	90.21	-5,673.45	-10,417.57	1,385.20	1,193.59	191.62	7.229		
19,100.00	7,321.00	7,540.39	7,359.05	292.52	36.25	90.11	-5,673.42	-10,417.61	1,450.15	1,268.49	181.66	7.983		
19,200.00	7,321.00	7,538.52	7,357.19	294.99	36.24	90.01	-5,673.38	-10,417.64	1,518.91	1,346.37	172.54	8.803		
19,300.00	7,321.00	7,536.68	7,355.35	297.46	36.24	89.91	-5,673.35	-10,417.68	1,590.98	1,426.71	164.27	9.685		
19,400.00	7,321.00	7,534.86	7,353.52	299.94	36.24	89.82	-5,673.31	-10,417.71	1,665.94	1,509.11	156.83	10.623		
19,500.00	7,321.00	7,533.06	7,351.72	302.42	36.23	89.72	-5,673.28	-10,417.75	1,743.41	1,593.23	150.18	11.609		
19,600.00	7,321.00	7,531.28	7,349.94	304.90	36.23	89.62	-5,673.25	-10,417.78	1,823.07	1,678.78	144.29	12.635		
19,700.00	7,321.00	7,529.51	7,348.18	307.40	36.22	89.53	-5,673.22	-10,417.81	1,904.65	1,765.56	139.09	13.693		
19,800.00	7,321.00	7,527.77	7,346.43	309.89	36.22	89.44	-5,673.18	-10,417.84	1,987.92	1,853.38	134.54	14.776		
19,900.00	7,321.00	7,526.04	7,344.71	312.39	36.22	89.35	-5,673.15	-10,417.87	2,072.66	1,942.10	130.56	15.875		
20,000.00	7,321.00	7,524.34	7,343.00	314.90	36.21	89.26	-5,673.12	-10,417.91	2,158.70	2,031.59	127.11	16.983		
20,100.00	7,321.00	7,522.65	7,341.32	317.41	36.21	89.17	-5,673.09	-10,417.94	2,245.91	2,121.77	124.13	18.093		
20,200.00	7,321.00	7,520.98	7,339.64	319.92	36.21	89.08	-5,673.06	-10,417.97	2,334.13	2,212.56	121.57	19.199		
20,300.00	7,321.00	7,519.32	7,337.99	322.44	36.20	88.99	-5,673.03	-10,417.99	2,423.27	2,303.88	119.39	20.297		
20,400.00	7,321.00	7,517.69	7,336.36	324.96	36.20	88.90	-5,673.00	-10,418.02	2,513.23	2,395.69	117.54	21.382		
20,500.00	7,321.00	7,516.07	7,334.74	327.49	36.19	88.82	-5,672.97	-10,418.05	2,603.92	2,487.94	115.98	22.452		
20,600.00	7,321.00	7,514.46	7,333.13	330.02	36.19	88.73	-5,672.94	-10,418.08	2,695.26	2,580.59	114.68	23.503		
20,700.00	7,321.00	7,512.88	7,331.55	332.55	36.19	88.65	-5,672.91	-10,418.11	2,787.20	2,673.60	113.60	24.536		
20,800.00	7,321.00	7,511.31	7,329.98	335.09	36.18	88.56	-5,672.89	-10,418.13	2,879.68	2,766.96	112.71	25.549		
20,900.00	7,321.00	7,509.75	7,328.43	337.63	36.18	88.48	-5,672.86	-10,418.16	2,972.64	2,860.64	112.00	26.542		
21,000.00	7,321.00	7,508.22	7,326.89	340.17	36.18	88.40	-5,672.83	-10,418.19	3,066.04	2,954.61	111.43	27.515		
21,100.00	7,321.00	7,506.69	7,325.36	342.72	36.17	88.32	-5,672.80	-10,418.21	3,159.85	3,048.85	111.00	28.468		
21,200.00	7,321.00	7,505.18	7,323.86	345.27	36.17	88.24	-5,672.78	-10,418.24	3,254.02	3,143.35	110.67	29.403		
21,300.00	7,321.00	7,503.69	7,322.36	347.82	36.17	88.16	-5,672.75	-10,418.26	3,348.53	3,238.10	110.44	30.321		
21,400.00	7,321.00	7,502.21	7,320.89	350.38	36.16	88.08	-5,672.73	-10,418.29	3,443.36	3,333.07	110.29	31.221		
21,500.00	7,321.00	7,500.75	7,319.42	352.94	36.16	88.00	-5,672.70	-10,418.31	3,538.46	3,428.25	110.21	32.106		
21,600.00	7,321.00	7,499.30	7,317.98	355.50	36.16	87.93	-5,672.68	-10,418.34	3,633.83	3,523.63	110.19	32.976		
21,700.00	7,321.00	7,497.87	7,316.54	358.07	36.16	87.85	-5,672.65	-10,418.36	3,729.44	3,619.21	110.23	33.833		
21,746.26	7,321.00	7,497.21	7,315.88	359.25	36.15	87.82	-5,672.64	-10,418.37	3,773.74	3,663.48	110.26	34.225		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
2,700.00	2,394.55	792.94	790.36	20.19	2.70	44.20	-5,683.99	-9,058.34	10,004.49	9,986.79	17.70	565.362		
2,800.00	2,457.48	856.00	852.39	21.57	2.97	45.22	-5,691.95	-9,066.50	9,955.18	9,936.31	18.88	527.406		
2,900.00	2,518.85	856.00	852.39	22.98	2.97	45.29	-5,691.95	-9,066.50	9,904.54	9,884.69	19.85	499.025		
3,000.00	2,580.20	856.00	852.39	24.39	2.97	45.29	-5,691.95	-9,066.50	9,854.64	9,833.81	20.84	472.977		
3,100.00	2,641.56	856.00	852.39	25.81	2.97	45.29	-5,691.95	-9,066.50	9,805.51	9,783.67	21.84	449.001		
3,200.00	2,702.91	856.00	852.39	27.23	2.97	45.29	-5,691.95	-9,066.50	9,757.16	9,734.30	22.86	426.894		
3,300.00	2,764.27	856.00	852.39	28.65	2.97	45.29	-5,691.95	-9,066.50	9,709.59	9,685.70	23.89	406.472		
3,400.00	2,825.62	910.45	905.71	30.08	3.23	45.48	-5,699.83	-9,074.25	9,662.13	9,636.99	25.14	384.313		
3,500.00	2,886.98	927.22	922.08	31.51	3.31	45.53	-5,702.43	-9,076.78	9,615.69	9,589.42	26.26	366.141		
3,600.00	2,948.33	981.00	974.41	32.95	3.57	45.72	-5,711.30	-9,085.41	9,570.24	9,542.71	27.53	347.575		
3,700.00	3,009.68	981.00	974.41	34.38	3.57	45.72	-5,711.30	-9,085.41	9,524.95	9,496.34	28.62	332.864		
3,800.00	3,071.04	981.00	974.41	35.82	3.57	45.72	-5,711.30	-9,085.41	9,480.50	9,450.79	29.71	319.137		
3,900.00	3,132.39	981.00	974.41	37.25	3.57	45.72	-5,711.30	-9,085.41	9,436.89	9,406.08	30.81	306.308		
4,000.00	3,193.75	1,046.75	1,038.17	38.69	3.91	45.94	-5,722.85	-9,096.59	9,393.65	9,361.46	32.18	291.879		
4,100.00	3,255.10	1,108.00	1,097.42	40.13	4.22	46.15	-5,734.01	-9,107.36	9,351.16	9,317.61	33.55	278.710		
4,200.00	3,316.46	1,145.70	1,133.85	41.58	4.43	46.28	-5,741.05	-9,114.02	9,309.06	9,274.22	34.84	267.201		
4,300.00	3,377.81	1,233.00	1,218.22	43.02	4.90	46.58	-5,757.75	-9,129.01	9,267.09	9,230.75	36.34	254.994		
4,400.00	3,439.17	1,276.91	1,260.63	44.46	5.14	46.73	-5,766.29	-9,136.55	9,225.51	9,187.83	37.68	244.835		
4,500.00	3,500.52	1,309.95	1,292.50	45.91	5.32	46.84	-5,772.71	-9,142.42	9,184.57	9,145.58	38.98	235.597		
4,600.00	3,561.88	1,358.00	1,338.79	47.35	5.59	47.01	-5,782.05	-9,151.29	9,144.28	9,103.92	40.36	226.557		
4,700.00	3,623.23	1,358.00	1,338.79	48.80	5.59	47.01	-5,782.05	-9,151.29	9,104.61	9,063.06	41.55	219.148		
4,800.00	3,684.59	1,358.00	1,338.79	50.24	5.59	47.01	-5,782.05	-9,151.29	9,065.86	9,023.13	42.74	212.135		
4,900.00	3,745.94	1,358.00	1,338.79	51.69	5.59	47.01	-5,782.05	-9,151.29	9,028.06	8,984.13	43.93	205.490		
5,000.00	3,807.30	1,416.23	1,394.69	53.14	5.93	47.22	-5,793.39	-9,163.01	8,990.31	8,944.91	45.40	198.034		
5,100.00	3,868.65	1,432.77	1,410.51	54.58	6.03	47.27	-5,796.62	-9,166.60	8,953.83	8,907.14	46.69	191.790		
5,200.00	3,930.01	1,483.00	1,458.37	56.03	6.33	47.45	-5,806.45	-9,178.27	8,918.48	8,870.35	48.13	185.282		
5,300.00	3,991.36	1,483.00	1,458.37	57.48	6.33	47.45	-5,806.45	-9,178.27	8,883.44	8,834.08	49.36	179.960		
5,400.00	4,052.72	1,483.00	1,458.37	58.93	6.33	47.45	-5,806.45	-9,178.27	8,849.38	8,798.79	50.60	174.899		
5,500.00	4,114.07	1,483.00	1,458.37	60.38	6.33	47.45	-5,806.45	-9,178.27	8,816.33	8,764.50	51.84	170.082		
5,600.00	4,175.43	1,539.16	1,511.59	61.83	6.68	47.66	-5,817.81	-9,192.12	8,783.79	8,730.44	53.35	164.633		
5,700.00	4,236.78	1,608.00	1,576.48	63.28	7.12	47.90	-5,832.67	-9,209.65	8,752.38	8,697.44	54.94	159.306		
5,800.00	4,298.14	1,608.00	1,576.48	64.73	7.12	47.90	-5,832.67	-9,209.65	8,721.24	8,665.05	56.20	155.183		
5,900.00	4,359.49	1,608.00	1,576.48	66.18	7.12	47.90	-5,832.67	-9,209.65	8,691.14	8,633.68	57.46	151.251		
6,000.00	4,420.85	1,608.00	1,576.48	67.63	7.12	47.90	-5,832.67	-9,209.65	8,662.09	8,603.37	58.73	147.499		
6,100.00	4,482.20	1,608.00	1,576.48	69.08	7.12	47.90	-5,832.67	-9,209.65	8,634.10	8,574.11	59.99	143.919		
6,200.00	4,543.55	1,668.75	1,633.29	70.53	7.55	48.12	-5,846.53	-9,226.12	8,606.14	8,544.55	61.59	139.731		
6,300.00	4,604.91	1,733.00	1,692.73	71.98	7.99	48.34	-5,861.79	-9,245.13	8,580.26	8,517.05	63.22	135.728		
6,400.00	4,666.26	1,733.00	1,692.73	73.44	7.99	48.34	-5,861.79	-9,245.13	8,554.30	8,489.81	64.50	132.629		
6,500.00	4,727.62	1,733.00	1,692.73	74.89	7.99	48.34	-5,861.79	-9,245.13	8,529.44	8,463.66	65.78	129.667		
6,600.00	4,788.97	1,754.61	1,712.60	76.34	8.16	48.42	-5,867.11	-9,251.77	8,505.65	8,438.46	67.19	126.591		
6,700.00	4,850.33	1,844.33	1,794.83	77.79	8.83	48.72	-5,890.67	-9,278.78	8,482.34	8,413.33	69.01	122.921		
6,800.00	4,911.68	1,913.43	1,858.00	79.24	9.36	48.95	-5,909.78	-9,299.29	8,459.33	8,388.61	70.71	119.628		
6,900.00	4,973.04	1,983.00	1,921.66	80.70	9.89	49.19	-5,928.31	-9,320.35	8,436.78	8,364.34	72.44	116.466		
7,000.00	5,034.39	2,093.75	2,023.22	82.15	10.74	49.58	-5,957.13	-9,353.81	8,414.26	8,339.83	74.43	113.049		
7,100.00	5,095.75	2,158.33	2,082.48	83.60	11.24	49.80	-5,973.84	-9,373.32	8,392.04	8,315.89	76.15	110.205		
7,200.00	5,157.10	2,199.57	2,120.26	85.05	11.57	49.95	-5,984.42	-9,386.03	8,370.54	8,292.81	77.73	107.684		
7,300.00	5,218.46	2,256.45	2,172.30	86.51	12.01	50.15	-5,998.85	-9,403.90	8,349.75	8,270.33	79.42	105.134		
7,400.00	5,279.81	2,540.20	2,433.72	87.96	14.20	51.18	-6,067.33	-9,490.26	8,327.66	8,245.09	82.57	100.861		
7,500.00	5,341.17	2,607.00	2,495.03	89.41	14.71	51.41	-6,085.37	-9,509.73	8,305.88	8,221.53	84.35	98.468		
7,600.00	5,402.52	2,607.00	2,495.03	90.87	14.71	51.41	-6,085.37	-9,509.73	8,284.65	8,198.93	85.72	96.650		
7,700.00	5,463.88	2,650.66	2,534.89	92.32	15.07	51.56	-6,097.57	-9,522.70	8,264.29	8,176.92	87.37	94.585		
7,800.00	5,525.23	2,685.66	2,566.77	93.77	15.35	51.68	-6,107.36	-9,533.33	8,244.75	8,155.77	88.98	92.661		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
7,900.00	5,586.59	2,732.00	2,608.86	95.23	15.73	51.84	-6,120.33	-9,547.73	8,226.03	8,135.36	90.66	90.732		
8,000.00	5,647.94	2,732.00	2,608.86	96.68	15.73	51.84	-6,120.33	-9,547.73	8,208.16	8,116.13	92.03	89.191		
8,100.00	5,709.30	2,794.04	2,664.98	98.13	16.25	52.06	-6,137.95	-9,567.47	8,190.93	8,097.09	93.84	87.287		
8,200.00	5,770.65	2,895.07	2,755.95	99.59	17.10	52.40	-6,167.30	-9,600.16	8,174.59	8,078.65	95.94	85.207		
8,300.00	5,832.01	3,027.25	2,875.50	101.04	18.21	52.86	-6,204.79	-9,642.25	8,157.84	8,059.56	98.28	83.010		
8,400.00	5,893.36	3,067.34	2,911.88	102.49	18.54	53.01	-6,215.61	-9,655.16	8,141.40	8,041.45	99.96	81.449		
8,500.00	5,954.72	3,553.96	3,356.59	103.95	22.48	54.77	-6,344.97	-9,803.91	8,125.35	8,020.54	104.81	77.524		
8,600.00	6,016.07	3,607.00	3,405.35	105.40	22.89	54.96	-6,359.77	-9,818.63	8,105.76	7,999.13	106.63	76.016		
8,700.00	6,077.43	3,794.42	3,578.51	106.86	24.33	55.64	-6,409.95	-9,869.79	8,085.61	7,976.24	109.37	73.926		
8,800.00	6,138.78	3,857.00	3,636.60	108.31	24.80	55.88	-6,425.77	-9,886.88	8,065.76	7,954.48	111.29	72.477		
8,900.00	6,200.13	3,901.98	3,678.26	109.76	25.15	56.04	-6,437.31	-9,899.30	8,046.56	7,933.47	113.09	71.149		
9,000.00	6,261.49	3,942.78	3,715.88	111.22	25.47	56.19	-6,448.26	-9,910.68	8,028.13	7,913.26	114.87	69.888		
9,100.00	6,322.84	3,982.00	3,751.87	112.67	25.77	56.34	-6,459.23	-9,921.74	8,010.48	7,893.84	116.64	68.678		
9,200.00	6,384.20	4,032.90	3,798.39	114.13	26.19	56.52	-6,473.95	-9,936.24	7,993.55	7,875.04	118.50	67.454		
9,300.00	6,445.55	4,106.00	3,864.89	115.58	26.78	56.77	-6,495.78	-9,957.35	7,977.37	7,856.84	120.54	66.182		
9,400.00	6,506.91	4,136.51	3,892.53	117.03	27.04	56.88	-6,505.14	-9,966.24	7,961.75	7,839.48	122.26	65.120		
9,500.00	6,568.26	4,197.28	3,947.41	118.49	27.55	57.09	-6,524.27	-9,984.00	7,946.76	7,822.54	124.22	63.973		
9,600.00	6,629.62	4,349.49	4,085.23	119.94	28.82	57.61	-6,571.61	-10,027.92	7,931.52	7,804.63	126.89	62.507		
9,700.00	6,690.97	4,416.53	4,146.45	121.40	29.36	57.85	-6,590.95	-10,047.18	7,916.32	7,787.41	128.91	61.408		
9,800.00	6,752.33	6,980.00	6,616.41	122.85	42.39	69.97	-6,929.65	-10,466.43	7,896.95	7,754.86	142.08	55.579		
9,900.00	6,813.68	7,023.46	6,659.86	124.31	42.49	70.23	-6,929.22	-10,467.49	7,859.99	7,715.89	144.10	54.545		
10,000.00	6,875.04	7,074.09	6,710.46	125.76	42.60	70.52	-6,928.79	-10,468.79	7,823.74	7,677.60	146.14	53.537		
10,100.00	6,936.39	7,128.23	6,764.59	127.22	42.72	70.84	-6,928.41	-10,470.25	7,788.20	7,640.01	148.19	52.556		
10,200.00	6,997.75	7,187.65	6,823.98	128.67	42.85	71.20	-6,928.05	-10,471.87	7,753.32	7,603.07	150.25	51.601		
10,300.00	7,059.10	7,255.61	6,891.91	130.13	43.00	71.60	-6,927.75	-10,473.72	7,719.10	7,566.76	152.34	50.669		
10,400.00	7,118.86	7,341.22	6,977.50	131.62	43.20	65.61	-6,927.77	-10,475.83	7,679.04	7,524.61	154.43	49.725		
10,500.00	7,173.55	7,457.04	7,093.29	133.17	43.48	60.04	-6,928.87	-10,478.00	7,624.06	7,467.63	156.43	48.737		
10,600.00	7,221.49	7,562.83	7,199.06	134.72	43.72	55.60	-6,930.52	-10,479.14	7,555.46	7,397.25	158.21	47.757		
10,700.00	7,261.21	7,626.18	7,262.41	136.22	43.86	51.95	-6,931.02	-10,479.47	7,475.35	7,315.69	159.65	46.822		
10,800.00	7,291.51	7,658.63	7,294.86	137.61	43.93	48.74	-6,931.00	-10,479.62	7,386.25	7,225.51	160.74	45.953		
10,900.00	7,311.47	7,679.90	7,316.13	138.86	43.98	45.02	-6,930.87	-10,479.71	7,290.75	7,129.31	161.44	45.162		
11,000.00	7,320.48	7,689.69	7,325.91	139.92	44.00	21.86	-6,930.77	-10,479.75	7,191.65	7,029.94	161.72	44.470		
11,100.00	7,321.00	7,690.68	7,326.91	140.82	44.00	-80.83	-6,930.76	-10,479.76	7,091.69	6,930.01	161.67	43.864		
11,200.00	7,321.00	7,691.14	7,327.37	141.74	44.00	-80.97	-6,930.76	-10,479.76	6,991.72	6,830.12	161.61	43.264		
11,300.00	7,321.00	7,691.59	7,327.82	142.69	44.00	-81.11	-6,930.75	-10,479.76	6,891.76	6,730.22	161.54	42.664		
11,400.00	7,321.00	7,692.05	7,328.28	143.67	44.00	-81.25	-6,930.75	-10,479.76	6,791.79	6,630.33	161.46	42.064		
11,500.00	7,321.00	7,692.51	7,328.74	144.68	44.00	-81.39	-6,930.74	-10,479.77	6,691.83	6,530.44	161.39	41.464		
11,600.00	7,321.00	7,692.97	7,329.19	145.73	44.00	-81.53	-6,930.74	-10,479.77	6,591.87	6,430.55	161.31	40.864		
11,700.00	7,321.00	7,693.42	7,329.65	146.80	44.00	-81.68	-6,930.73	-10,479.77	6,491.90	6,330.67	161.23	40.264		
11,800.00	7,321.00	7,693.88	7,330.11	147.91	44.00	-81.82	-6,930.73	-10,479.77	6,391.94	6,230.79	161.15	39.664		
11,900.00	7,321.00	7,694.34	7,330.56	149.05	44.01	-81.96	-6,930.72	-10,479.77	6,291.99	6,130.92	161.07	39.064		
12,000.00	7,321.00	7,694.79	7,331.02	150.22	44.01	-82.10	-6,930.72	-10,479.78	6,192.03	6,031.04	160.98	38.464		
12,100.00	7,321.00	7,695.25	7,331.48	151.42	44.01	-82.25	-6,930.71	-10,479.78	6,092.07	5,931.18	160.89	37.864		
12,200.00	7,321.00	7,695.71	7,331.93	152.66	44.01	-82.39	-6,930.71	-10,479.78	5,992.12	5,831.32	160.80	37.264		
12,300.00	7,321.00	7,696.16	7,332.39	153.93	44.01	-82.53	-6,930.70	-10,479.78	5,892.16	5,731.46	160.70	36.665		
12,400.00	7,321.00	7,696.62	7,332.85	155.22	44.01	-82.67	-6,930.70	-10,479.78	5,792.21	5,631.61	160.61	36.065		
12,500.00	7,321.00	7,697.08	7,333.30	156.55	44.01	-82.82	-6,930.69	-10,479.79	5,692.26	5,531.76	160.50	35.465		
12,600.00	7,321.00	7,697.53	7,333.76	157.91	44.01	-82.96	-6,930.69	-10,479.79	5,592.31	5,431.92	160.39	34.866		
12,700.00	7,321.00	7,697.99	7,334.22	159.31	44.01	-83.10	-6,930.68	-10,479.79	5,492.37	5,332.08	160.28	34.266		
12,800.00	7,321.00	7,698.44	7,334.67	160.73	44.01	-83.24	-6,930.67	-10,479.79	5,392.42	5,232.25	160.17	33.667		
12,900.00	7,321.00	7,698.90	7,335.13	162.18	44.01	-83.39	-6,930.67	-10,479.79	5,292.48	5,132.43	160.05	33.068		
13,000.00	7,321.00	7,699.36	7,335.58	163.67	44.02	-83.53	-6,930.66	-10,479.80	5,192.54	5,032.62	159.92	32.469		

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 MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
13,100.00	7,321.00	7,699.81	7,336.04	165.18	44.02	-83.67	-6,930.66	-10,479.80	5,092.60	4,932.81	159.79	31.870		
13,200.00	7,321.00	7,700.27	7,336.49	166.73	44.02	-83.82	-6,930.65	-10,479.80	4,992.67	4,833.01	159.66	31.271		
13,300.00	7,321.00	7,700.72	7,336.95	168.30	44.02	-83.96	-6,930.65	-10,479.80	4,892.73	4,733.22	159.52	30.672		
13,400.00	7,321.00	7,701.18	7,337.41	169.90	44.02	-84.10	-6,930.64	-10,479.80	4,792.80	4,633.43	159.37	30.073		
13,500.00	7,321.00	7,701.63	7,337.86	171.53	44.02	-84.25	-6,930.63	-10,479.81	4,692.88	4,533.66	159.22	29.475		
13,600.00	7,321.00	7,702.09	7,338.32	173.19	44.02	-84.39	-6,930.63	-10,479.81	4,592.95	4,433.90	159.06	28.876		
13,700.00	7,321.00	7,702.54	7,338.77	174.88	44.02	-84.53	-6,930.62	-10,479.81	4,493.03	4,334.14	158.89	28.278		
13,800.00	7,321.00	7,703.00	7,339.23	176.59	44.02	-84.68	-6,930.62	-10,479.81	4,393.11	4,234.40	158.71	27.680		
13,900.00	7,321.00	7,703.46	7,339.68	178.33	44.02	-84.82	-6,930.61	-10,479.81	4,293.20	4,134.67	158.53	27.082		
14,000.00	7,321.00	7,703.91	7,340.14	180.09	44.02	-84.96	-6,930.60	-10,479.82	4,193.29	4,034.96	158.33	26.484		
14,100.00	7,321.00	7,704.37	7,340.59	181.88	44.03	-85.11	-6,930.60	-10,479.82	4,093.39	3,935.26	158.13	25.886		
14,200.00	7,321.00	7,704.82	7,341.05	183.70	44.03	-85.25	-6,930.59	-10,479.82	3,993.49	3,835.57	157.92	25.289		
14,300.00	7,321.00	7,705.28	7,341.50	185.54	44.03	-85.39	-6,930.59	-10,479.82	3,893.59	3,735.90	157.69	24.691		
14,400.00	7,321.00	7,705.73	7,341.96	187.40	44.03	-85.54	-6,930.58	-10,479.82	3,793.70	3,636.25	157.45	24.094		
14,500.00	7,321.00	7,706.18	7,342.41	189.29	44.03	-85.68	-6,930.57	-10,479.83	3,693.82	3,536.62	157.20	23.497		
14,600.00	7,321.00	7,706.64	7,342.87	191.20	44.03	-85.83	-6,930.57	-10,479.83	3,593.94	3,437.01	156.94	22.901		
14,700.00	7,321.00	7,707.09	7,343.32	193.13	44.03	-85.97	-6,930.56	-10,479.83	3,494.07	3,337.42	156.65	22.304		
14,800.00	7,321.00	7,707.55	7,343.78	195.08	44.03	-86.11	-6,930.55	-10,479.83	3,394.21	3,237.85	156.36	21.708		
14,900.00	7,321.00	7,708.00	7,344.23	197.05	44.03	-86.26	-6,930.55	-10,479.83	3,294.35	3,138.31	156.04	21.112		
15,000.00	7,321.00	7,708.46	7,344.68	199.04	44.03	-86.40	-6,930.54	-10,479.84	3,194.51	3,038.80	155.70	20.517		
15,100.00	7,321.00	7,708.91	7,345.14	201.06	44.04	-86.54	-6,930.53	-10,479.84	3,094.67	2,939.33	155.34	19.921		
15,200.00	7,321.00	7,709.37	7,345.59	203.09	44.04	-86.69	-6,930.53	-10,479.84	2,994.85	2,839.89	154.96	19.326		
15,300.00	7,321.00	7,709.82	7,346.05	205.14	44.04	-86.83	-6,930.52	-10,479.84	2,895.03	2,740.48	154.55	18.732		
15,400.00	7,321.00	7,710.27	7,346.50	207.21	44.04	-86.98	-6,930.51	-10,479.84	2,795.24	2,641.12	154.11	18.138		
15,500.00	7,321.00	7,710.73	7,346.95	209.29	44.04	-87.12	-6,930.51	-10,479.85	2,695.45	2,541.81	153.64	17.544		
15,600.00	7,321.00	7,711.18	7,347.41	211.39	44.04	-87.27	-6,930.50	-10,479.85	2,595.68	2,442.55	153.13	16.951		
15,700.00	7,321.00	7,711.64	7,347.86	213.51	44.04	-87.41	-6,930.49	-10,479.85	2,495.93	2,343.35	152.58	16.358		
15,800.00	7,321.00	7,712.09	7,348.32	215.65	44.04	-87.55	-6,930.49	-10,479.85	2,396.21	2,244.22	151.98	15.766		
15,900.00	7,321.00	7,712.54	7,348.77	217.80	44.04	-87.70	-6,930.48	-10,479.85	2,296.50	2,145.16	151.34	15.175		
16,000.00	7,321.00	7,713.00	7,349.22	219.96	44.04	-87.84	-6,930.47	-10,479.86	2,196.82	2,046.19	150.63	14.584		
16,100.00	7,321.00	7,713.45	7,349.68	222.14	44.04	-87.99	-6,930.47	-10,479.86	2,097.17	1,947.31	149.86	13.994		
16,200.00	7,321.00	7,713.90	7,350.13	224.34	44.05	-88.13	-6,930.46	-10,479.86	1,997.56	1,848.55	149.01	13.405		
16,300.00	7,321.00	7,714.36	7,350.58	226.55	44.05	-88.27	-6,930.45	-10,479.86	1,897.99	1,749.91	148.08	12.817		
16,400.00	7,321.00	7,714.81	7,351.04	228.77	44.05	-88.42	-6,930.45	-10,479.86	1,798.46	1,651.42	147.04	12.231		
16,500.00	7,321.00	7,715.26	7,351.49	231.00	44.05	-88.56	-6,930.44	-10,479.87	1,698.99	1,553.10	145.89	11.646		
16,600.00	7,321.00	7,715.72	7,351.94	233.25	44.05	-88.71	-6,930.43	-10,479.87	1,599.59	1,454.99	144.60	11.062		
16,700.00	7,321.00	7,716.17	7,352.39	235.51	44.05	-88.85	-6,930.42	-10,479.87	1,500.27	1,357.12	143.15	10.480		
16,800.00	7,321.00	7,716.62	7,352.85	237.78	44.05	-89.00	-6,930.42	-10,479.87	1,401.04	1,259.53	141.51	9.901		
16,900.00	7,321.00	7,717.07	7,353.30	240.06	44.05	-89.14	-6,930.41	-10,479.87	1,301.93	1,162.30	139.63	9.324		
17,000.00	7,321.00	7,717.53	7,353.75	242.35	44.05	-89.28	-6,930.40	-10,479.87	1,202.97	1,065.49	137.47	8.750		
17,100.00	7,321.00	7,717.98	7,354.21	244.66	44.05	-89.43	-6,930.39	-10,479.88	1,104.19	969.21	134.98	8.181		
17,200.00	7,321.00	7,718.43	7,354.66	246.97	44.05	-89.57	-6,930.39	-10,479.88	1,005.66	873.60	132.06	7.615		
17,300.00	7,321.00	7,718.88	7,355.11	249.29	44.06	-89.72	-6,930.38	-10,479.88	907.44	778.81	128.63	7.055		
17,400.00	7,321.00	7,719.34	7,355.56	251.63	44.06	-89.86	-6,930.37	-10,479.88	809.67	685.08	124.58	6.499		
17,500.00	7,321.00	7,719.79	7,356.01	253.97	44.06	-90.00	-6,930.36	-10,479.88	712.51	592.68	119.83	5.946		
17,600.00	7,321.00	7,720.24	7,356.47	256.32	44.06	-90.15	-6,930.36	-10,479.89	616.26	501.85	114.41	5.386		
17,700.00	7,321.00	7,720.69	7,356.92	258.68	44.06	-90.29	-6,930.35	-10,479.89	521.42	412.53	108.89	4.789		
17,800.00	7,321.00	7,721.15	7,357.37	261.05	44.06	-90.44	-6,930.34	-10,479.89	428.94	323.35	105.58	4.063		
17,900.00	7,321.00	7,721.60	7,357.82	263.43	44.06	-90.58	-6,930.33	-10,479.89	340.72	228.92	111.80	3.048		
18,000.00	7,321.00	7,722.05	7,358.28	265.81	44.06	-90.73	-6,930.33	-10,479.89	261.15	118.53	142.61	1.831		
18,100.00	7,321.00	7,722.50	7,358.73	268.21	44.06	-90.87	-6,930.32	-10,479.90	200.75	-11.76	212.51	0.945 Level 1		
18,189.48	7,321.00	7,722.91	7,359.13	270.36	44.06	-91.00	-6,930.31	-10,479.90	179.71	-107.87	287.58	0.625 Level 1, CC		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
18,200.00	7,321.00	7,722.95	7,359.18	270.61	44.06	-91.01	-6,930.31	-10,479.90	180.02	-114.04	294.06	0.612	Level 1, ES, SF	
18,300.00	7,321.00	7,723.41	7,359.63	273.02	44.07	-91.16	-6,930.30	-10,479.90	210.97	-102.72	313.69	0.673		
18,400.00	7,321.00	7,723.86	7,360.08	275.43	44.07	-91.30	-6,930.29	-10,479.90	276.79	-15.47	292.26	0.947		
18,500.00	7,321.00	7,724.31	7,360.53	277.86	44.07	-91.45	-6,930.29	-10,479.90	358.77	90.22	268.55	1.336		
18,600.00	7,321.00	7,724.76	7,360.98	280.28	44.07	-91.59	-6,930.28	-10,479.91	448.13	197.72	250.41	1.790		
18,700.00	7,321.00	7,725.21	7,361.44	282.72	44.07	-91.73	-6,930.27	-10,479.91	541.22	304.10	237.12	2.282		
18,800.00	7,321.00	7,725.66	7,361.89	285.16	44.07	-91.88	-6,930.26	-10,479.91	636.41	409.17	227.25	2.801		
18,900.00	7,321.00	7,726.11	7,362.34	287.61	44.07	-92.02	-6,930.25	-10,479.91	732.89	513.17	219.72	3.336		
19,000.00	7,321.00	7,726.57	7,362.79	290.06	44.07	-92.16	-6,930.25	-10,479.91	830.20	616.37	213.83	3.883		
19,100.00	7,321.00	7,727.02	7,363.24	292.52	44.07	-92.31	-6,930.24	-10,479.92	928.08	718.96	209.11	4.438		
19,200.00	7,321.00	7,727.47	7,363.69	294.99	44.07	-92.45	-6,930.23	-10,479.92	1,026.37	821.10	205.27	5.000		
19,300.00	7,321.00	7,727.92	7,364.14	297.46	44.07	-92.60	-6,930.22	-10,479.92	1,124.96	922.88	202.07	5.567		
19,400.00	7,321.00	7,728.37	7,364.59	299.94	44.08	-92.74	-6,930.21	-10,479.92	1,223.78	1,024.39	199.38	6.138		
19,500.00	7,321.00	7,728.82	7,365.04	302.42	44.08	-92.88	-6,930.20	-10,479.92	1,322.77	1,125.68	197.09	6.711		
19,600.00	7,321.00	7,729.27	7,365.49	304.90	44.08	-93.03	-6,930.20	-10,479.93	1,421.91	1,226.79	195.12	7.287		
19,700.00	7,321.00	7,729.72	7,365.95	307.40	44.08	-93.17	-6,930.19	-10,479.93	1,521.16	1,327.76	193.40	7.865		
19,800.00	7,321.00	7,730.17	7,366.40	309.89	44.08	-93.31	-6,930.18	-10,479.93	1,620.50	1,428.61	191.89	8.445		
19,900.00	7,321.00	7,730.62	7,366.85	312.39	44.08	-93.46	-6,930.17	-10,479.93	1,719.92	1,529.36	190.56	9.026		
20,000.00	7,321.00	7,731.07	7,367.30	314.90	44.08	-93.60	-6,930.16	-10,479.93	1,819.40	1,630.03	189.37	9.608		
20,100.00	7,321.00	7,731.51	7,367.74	317.41	44.08	-93.74	-6,930.15	-10,479.94	1,918.93	1,730.63	188.31	10.190		
20,200.00	7,321.00	7,731.97	7,368.19	319.92	44.08	-93.88	-6,930.15	-10,479.94	2,018.52	1,831.16	187.35	10.774		
20,300.00	7,321.00	7,732.42	7,368.65	322.44	44.08	-94.03	-6,930.14	-10,479.94	2,118.14	1,931.64	186.49	11.358		
20,400.00	7,321.00	7,732.88	7,369.11	324.96	44.08	-94.18	-6,930.13	-10,479.94	2,217.79	2,032.08	185.71	11.942		
20,500.00	7,321.00	7,733.34	7,369.57	327.49	44.09	-94.32	-6,930.12	-10,479.94	2,317.48	2,132.48	184.99	12.527		
20,600.00	7,321.00	7,733.81	7,370.03	330.02	44.09	-94.47	-6,930.11	-10,479.95	2,417.19	2,232.84	184.34	13.113		
20,700.00	7,321.00	7,734.27	7,370.49	332.55	44.09	-94.62	-6,930.10	-10,479.95	2,516.92	2,333.18	183.74	13.698		
20,800.00	7,321.00	7,734.74	7,370.96	335.09	44.09	-94.77	-6,930.09	-10,479.95	2,616.67	2,433.48	183.19	14.284		
20,900.00	7,321.00	7,735.21	7,371.43	337.63	44.09	-94.91	-6,930.09	-10,479.95	2,716.44	2,533.76	182.68	14.870		
21,000.00	7,321.00	7,735.68	7,371.90	340.17	44.09	-95.06	-6,930.08	-10,479.95	2,816.23	2,634.02	182.21	15.456		
21,100.00	7,321.00	7,736.15	7,372.37	342.72	44.09	-95.21	-6,930.07	-10,479.96	2,916.03	2,734.26	181.77	16.042		
21,200.00	7,321.00	7,736.63	7,372.85	345.27	44.09	-95.36	-6,930.06	-10,479.96	3,015.85	2,834.48	181.37	16.628		
21,300.00	7,321.00	7,737.10	7,373.32	347.82	44.09	-95.52	-6,930.05	-10,479.96	3,115.68	2,934.69	180.99	17.215		
21,400.00	7,321.00	7,737.58	7,373.80	350.38	44.09	-95.67	-6,930.04	-10,479.96	3,215.51	3,034.88	180.64	17.801		
21,500.00	7,321.00	7,738.06	7,374.28	352.94	44.09	-95.82	-6,930.03	-10,479.96	3,315.36	3,135.05	180.31	18.387		
21,600.00	7,321.00	7,738.55	7,374.77	355.50	44.10	-95.97	-6,930.02	-10,479.97	3,415.22	3,235.22	180.00	18.973		
21,700.00	7,321.00	7,739.03	7,375.25	358.07	44.10	-96.13	-6,930.02	-10,479.97	3,515.08	3,335.37	179.71	19.560		
21,746.26	7,321.00	7,739.26	7,375.48	359.25	44.10	-96.20	-6,930.01	-10,479.97	3,561.28	3,381.70	179.58	19.831		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1577-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
6,200.00	4,543.55	17,476.00	7,264.97	70.53	281.41	85.48	-4,373.48	-11,153.52	10,082.31	9,984.12	98.19	102.681		
6,300.00	4,604.91	17,476.00	7,264.97	71.98	281.41	85.48	-4,373.48	-11,153.52	10,029.65	9,931.18	98.47	101.854		
6,400.00	4,666.26	17,476.00	7,264.97	73.44	281.41	85.48	-4,373.48	-11,153.52	9,977.72	9,878.91	98.81	100.977		
6,500.00	4,727.62	17,476.00	7,264.97	74.89	281.41	85.48	-4,373.48	-11,153.52	9,926.52	9,827.30	99.22	100.044		
6,600.00	4,788.97	17,476.00	7,264.97	76.34	281.41	85.48	-4,373.48	-11,153.52	9,876.07	9,776.36	99.71	99.048		
6,700.00	4,850.33	17,476.00	7,264.97	77.79	281.41	85.48	-4,373.48	-11,153.52	9,826.38	9,726.09	100.29	97.982		
6,800.00	4,911.68	17,476.00	7,264.97	79.24	281.41	85.48	-4,373.48	-11,153.52	9,777.46	9,676.49	100.97	96.839		
6,900.00	4,973.04	17,476.00	7,264.97	80.70	281.41	85.48	-4,373.48	-11,153.52	9,729.32	9,627.56	101.76	95.614		
7,000.00	5,034.39	17,476.00	7,264.97	82.15	281.41	85.48	-4,373.48	-11,153.52	9,681.97	9,579.30	102.67	94.299		
7,100.00	5,095.75	17,476.00	7,264.97	83.60	281.41	85.48	-4,373.48	-11,153.52	9,635.43	9,531.70	103.73	92.892		
7,200.00	5,157.10	17,476.00	7,264.97	85.05	281.41	85.48	-4,373.48	-11,153.52	9,589.71	9,484.78	104.93	91.391		
7,300.00	5,218.46	17,476.00	7,264.97	86.51	281.41	85.48	-4,373.48	-11,153.52	9,544.81	9,438.52	106.29	89.796		
7,400.00	5,279.81	17,476.00	7,264.97	87.96	281.41	85.48	-4,373.48	-11,153.52	9,500.76	9,392.93	107.83	88.110		
7,500.00	5,341.17	17,476.00	7,264.97	89.41	281.41	85.48	-4,373.48	-11,153.52	9,457.55	9,348.02	109.54	86.341		
7,600.00	5,402.52	17,476.00	7,264.97	90.87	281.41	85.48	-4,373.48	-11,153.52	9,415.21	9,303.79	111.42	84.499		
7,700.00	5,463.88	17,476.00	7,264.97	92.32	281.41	85.48	-4,373.48	-11,153.52	9,373.75	9,260.26	113.49	82.595		
7,800.00	5,525.23	17,476.00	7,264.97	93.77	281.41	85.48	-4,373.48	-11,153.52	9,333.17	9,217.44	115.73	80.643		
7,900.00	5,586.59	17,476.00	7,264.97	95.23	281.41	85.48	-4,373.48	-11,153.52	9,293.50	9,175.35	118.15	78.660		
8,000.00	5,647.94	17,476.00	7,264.97	96.68	281.41	85.48	-4,373.48	-11,153.52	9,254.73	9,134.01	120.72	76.661		
8,100.00	5,709.30	17,476.00	7,264.97	98.13	281.41	85.48	-4,373.48	-11,153.52	9,216.89	9,093.43	123.45	74.659		
8,200.00	5,770.65	17,476.00	7,264.97	99.59	281.41	85.48	-4,373.48	-11,153.52	9,179.97	9,053.65	126.32	72.670		
8,300.00	5,832.01	17,476.00	7,264.97	101.04	281.41	85.48	-4,373.48	-11,153.52	9,144.01	9,014.68	129.33	70.704		
8,400.00	5,893.36	17,476.00	7,264.97	102.49	281.41	85.48	-4,373.48	-11,153.52	9,109.00	8,976.55	132.45	68.773		
8,500.00	5,954.72	17,476.00	7,264.97	103.95	281.41	85.48	-4,373.48	-11,153.52	9,074.95	8,939.27	135.68	66.884		
8,600.00	6,016.07	17,476.00	7,264.97	105.40	281.41	85.48	-4,373.48	-11,153.52	9,041.89	8,902.87	139.01	65.044		
8,700.00	6,077.43	17,476.00	7,264.97	106.86	281.41	85.48	-4,373.48	-11,153.52	9,009.81	8,867.38	142.43	63.257		
8,800.00	6,138.78	17,476.00	7,264.97	108.31	281.41	85.48	-4,373.48	-11,153.52	8,978.73	8,832.80	145.93	61.527		
8,900.00	6,200.13	17,476.00	7,264.97	109.76	281.41	85.48	-4,373.48	-11,153.52	8,948.66	8,799.16	149.50	59.856		
9,000.00	6,261.49	17,476.00	7,264.97	111.22	281.41	85.48	-4,373.48	-11,153.52	8,919.61	8,766.48	153.14	58.246		
9,100.00	6,322.84	17,476.00	7,264.97	112.67	281.41	85.48	-4,373.48	-11,153.52	8,891.59	8,734.77	156.83	56.697		
9,200.00	6,384.20	17,476.00	7,264.97	114.13	281.41	85.48	-4,373.48	-11,153.52	8,864.61	8,704.05	160.57	55.208		
9,300.00	6,445.55	17,476.00	7,264.97	115.58	281.41	85.48	-4,373.48	-11,153.52	8,838.68	8,674.33	164.35	53.778		
9,400.00	6,506.91	17,476.00	7,264.97	117.03	281.41	85.48	-4,373.48	-11,153.52	8,813.81	8,645.63	168.18	52.408		
9,500.00	6,568.26	17,476.00	7,264.97	118.49	281.41	85.48	-4,373.48	-11,153.52	8,790.01	8,617.97	172.04	51.094		
9,600.00	6,629.62	17,476.00	7,264.97	119.94	281.41	85.48	-4,373.48	-11,153.52	8,767.28	8,591.35	175.92	49.836		
9,700.00	6,690.97	17,476.00	7,264.97	121.40	281.41	85.48	-4,373.48	-11,153.52	8,745.63	8,565.80	179.84	48.631		
9,800.00	6,752.33	17,476.00	7,264.97	122.85	281.41	85.48	-4,373.48	-11,153.52	8,725.08	8,541.31	183.77	47.478		
9,900.00	6,813.68	17,476.00	7,264.97	124.31	281.41	85.48	-4,373.48	-11,153.52	8,705.63	8,517.91	187.72	46.376		
10,000.00	6,875.04	17,476.00	7,264.97	125.76	281.41	85.48	-4,373.48	-11,153.52	8,687.29	8,495.60	191.68	45.321		
10,100.00	6,936.39	17,476.00	7,264.97	127.22	281.41	85.48	-4,373.48	-11,153.52	8,670.06	8,474.40	195.66	44.313		
10,200.00	6,997.75	17,476.00	7,264.97	128.67	281.41	85.48	-4,373.48	-11,153.52	8,653.95	8,454.31	199.64	43.349		
10,300.00	7,059.10	17,476.00	7,264.97	130.13	281.41	85.48	-4,373.48	-11,153.52	8,638.97	8,435.35	203.62	42.427		
10,400.00	7,118.86	17,476.00	7,264.97	131.62	281.41	79.56	-4,373.48	-11,153.52	8,618.48	8,410.86	207.61	41.512		
10,500.00	7,173.55	17,476.00	7,264.97	133.17	281.41	74.32	-4,373.48	-11,153.52	8,582.73	8,371.17	211.56	40.568		
10,600.00	7,221.49	17,476.00	7,264.97	134.72	281.41	70.75	-4,373.48	-11,153.52	8,532.52	8,317.17	215.35	39.622		
10,700.00	7,261.21	17,476.00	7,264.97	136.22	281.41	69.04	-4,373.48	-11,153.52	8,469.13	8,250.27	218.86	38.696		
10,800.00	7,291.51	17,476.00	7,264.97	137.61	281.41	69.60	-4,373.48	-11,153.52	8,394.22	8,172.23	221.99	37.813		
10,900.00	7,311.47	17,476.00	7,264.97	138.86	281.41	73.48	-4,373.48	-11,153.52	8,309.78	8,085.15	224.64	36.992		
11,000.00	7,320.48	17,476.00	7,264.97	139.92	281.41	83.75	-4,373.48	-11,153.52	8,218.13	7,991.42	226.71	36.250		
11,100.00	7,321.00	17,476.00	7,264.97	140.82	281.41	89.28	-4,373.48	-11,153.52	8,122.65	7,894.35	228.30	35.579		
11,200.00	7,321.00	17,476.00	7,264.97	141.74	281.41	89.28	-4,373.48	-11,153.52	8,027.07	7,797.18	229.90	34.916		
11,300.00	7,321.00	17,476.00	7,264.97	142.69	281.41	89.28	-4,373.48	-11,153.52	7,931.61	7,700.08	231.54	34.256		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 5-T6N-R67W - MICKEY 10 - ORIGINAL WELLBORE - WB # 1 - Patterson 346		Offset Site Error: 0.00 usft	
Survey Program: 1577-MWD OWSG														Offset Well Error: 0.00 usft		
Reference		Offset		Semi Major Axis		Distance								Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
11,400.00	7,321.00	17,476.00	7,264.97	143.67	281.41	89.28	-4,373.48	-11,153.52	7,836.26	7,603.05	233.21	33.601				
11,500.00	7,321.00	17,476.00	7,264.97	144.68	281.41	89.28	-4,373.48	-11,153.52	7,741.03	7,506.10	234.93	32.950				
11,600.00	7,321.00	17,476.00	7,264.97	145.73	281.41	89.28	-4,373.48	-11,153.52	7,645.92	7,409.22	236.70	32.303				
11,700.00	7,321.00	17,476.00	7,264.97	146.80	281.41	89.28	-4,373.48	-11,153.52	7,550.94	7,312.43	238.50	31.660				
11,800.00	7,321.00	17,476.00	7,264.97	147.91	281.41	89.28	-4,373.48	-11,153.52	7,456.08	7,215.73	240.36	31.021				
11,900.00	7,321.00	17,476.00	7,264.97	149.05	281.41	89.28	-4,373.48	-11,153.52	7,361.37	7,119.11	242.26	30.386				
12,000.00	7,321.00	17,476.00	7,264.97	150.22	281.41	89.28	-4,373.48	-11,153.52	7,266.79	7,022.58	244.21	29.757				
12,100.00	7,321.00	17,476.00	7,264.97	151.42	281.41	89.28	-4,373.48	-11,153.52	7,172.36	6,926.15	246.21	29.131				
12,200.00	7,321.00	17,476.00	7,264.97	152.66	281.41	89.28	-4,373.48	-11,153.52	7,078.09	6,829.82	248.26	28.510				
12,300.00	7,321.00	17,476.00	7,264.97	153.93	281.41	89.28	-4,373.48	-11,153.52	6,983.97	6,733.60	250.37	27.894				
12,400.00	7,321.00	17,476.00	7,264.97	155.22	281.41	89.28	-4,373.48	-11,153.52	6,890.02	6,637.48	252.54	27.283				
12,500.00	7,321.00	17,476.00	7,264.97	156.55	281.41	89.28	-4,373.48	-11,153.52	6,796.24	6,541.48	254.76	26.677				
12,600.00	7,321.00	17,476.00	7,264.97	157.91	281.41	89.28	-4,373.48	-11,153.52	6,702.65	6,445.60	257.05	26.076				
12,700.00	7,321.00	17,476.00	7,264.97	159.31	281.41	89.28	-4,373.48	-11,153.52	6,609.24	6,349.84	259.39	25.480				
12,800.00	7,321.00	17,476.00	7,264.97	160.73	281.41	89.28	-4,373.48	-11,153.52	6,516.02	6,254.22	261.81	24.889				
12,900.00	7,321.00	17,476.00	7,264.97	162.18	281.41	89.28	-4,373.48	-11,153.52	6,423.01	6,158.73	264.29	24.303				
13,000.00	7,321.00	17,476.00	7,264.97	163.67	281.41	89.28	-4,373.48	-11,153.52	6,330.22	6,063.38	266.84	23.723				
13,100.00	7,321.00	17,476.00	7,264.97	165.18	281.41	89.28	-4,373.48	-11,153.52	6,237.64	5,968.18	269.46	23.149				
13,200.00	7,321.00	17,476.00	7,264.97	166.73	281.41	89.28	-4,373.48	-11,153.52	6,145.30	5,873.14	272.16	22.580				
13,300.00	7,321.00	17,476.00	7,264.97	168.30	281.41	89.28	-4,373.48	-11,153.52	6,053.20	5,778.27	274.93	22.017				
13,400.00	7,321.00	17,476.00	7,264.97	169.90	281.41	89.28	-4,373.48	-11,153.52	5,961.36	5,683.57	277.79	21.460				
13,500.00	7,321.00	17,476.00	7,264.97	171.53	281.41	89.28	-4,373.48	-11,153.52	5,869.78	5,589.05	280.73	20.909				
13,600.00	7,321.00	17,476.00	7,264.97	173.19	281.41	89.28	-4,373.48	-11,153.52	5,778.48	5,494.72	283.76	20.364				
13,700.00	7,321.00	17,476.00	7,264.97	174.88	281.41	89.28	-4,373.48	-11,153.52	5,687.48	5,400.60	286.88	19.825				
13,800.00	7,321.00	17,476.00	7,264.97	176.59	281.41	89.28	-4,373.48	-11,153.52	5,596.78	5,306.69	290.09	19.293				
13,900.00	7,321.00	17,476.00	7,264.97	178.33	281.41	89.28	-4,373.48	-11,153.52	5,506.41	5,213.01	293.40	18.768				
14,000.00	7,321.00	17,476.00	7,264.97	180.09	281.41	89.28	-4,373.48	-11,153.52	5,416.37	5,119.56	296.81	18.249				
14,100.00	7,321.00	17,476.00	7,264.97	181.88	281.41	89.28	-4,373.48	-11,153.52	5,326.69	5,026.36	300.32	17.736				
14,200.00	7,321.00	17,476.00	7,264.97	183.70	281.41	89.28	-4,373.48	-11,153.52	5,237.38	4,933.43	303.95	17.231				
14,300.00	7,321.00	17,476.00	7,264.97	185.54	281.41	89.28	-4,373.48	-11,153.52	5,148.46	4,840.78	307.68	16.733				
14,400.00	7,321.00	17,476.00	7,264.97	187.40	281.41	89.28	-4,373.48	-11,153.52	5,059.96	4,748.43	311.53	16.242				
14,500.00	7,321.00	17,476.00	7,264.97	189.29	281.41	89.28	-4,373.48	-11,153.52	4,971.90	4,656.40	315.50	15.759				
14,600.00	7,321.00	17,476.00	7,264.97	191.20	281.41	89.28	-4,373.48	-11,153.52	4,884.29	4,564.70	319.59	15.283				
14,700.00	7,321.00	17,476.00	7,264.97	193.13	281.41	89.28	-4,373.48	-11,153.52	4,797.17	4,473.35	323.81	14.815				
14,800.00	7,321.00	17,476.00	7,264.97	195.08	281.41	89.28	-4,373.48	-11,153.52	4,710.56	4,382.39	328.17	14.354				
14,900.00	7,321.00	17,476.00	7,264.97	197.05	281.41	89.28	-4,373.48	-11,153.52	4,624.49	4,291.83	332.66	13.902				
15,000.00	7,321.00	17,476.00	7,264.97	199.04	281.41	89.28	-4,373.48	-11,153.52	4,538.99	4,201.70	337.29	13.457				
15,100.00	7,321.00	17,476.00	7,264.97	201.06	281.41	89.28	-4,373.48	-11,153.52	4,454.10	4,112.03	342.07	13.021				
15,200.00	7,321.00	17,476.00	7,264.97	203.09	281.41	89.28	-4,373.48	-11,153.52	4,369.84	4,022.85	346.99	12.594				
15,300.00	7,321.00	17,476.00	7,264.97	205.14	281.41	89.28	-4,373.48	-11,153.52	4,286.26	3,934.20	352.07	12.175				
15,400.00	7,321.00	17,476.00	7,264.97	207.21	281.41	89.28	-4,373.48	-11,153.52	4,203.40	3,846.10	357.30	11.764				
15,500.00	7,321.00	17,476.00	7,264.97	209.29	281.41	89.28	-4,373.48	-11,153.52	4,121.30	3,758.61	362.69	11.363				
15,600.00	7,321.00	17,476.00	7,264.97	211.39	281.41	89.28	-4,373.48	-11,153.52	4,040.01	3,671.76	368.25	10.971				
15,700.00	7,321.00	17,476.00	7,264.97	213.51	281.41	89.28	-4,373.48	-11,153.52	3,959.57	3,585.61	373.97	10.588				
15,800.00	7,321.00	17,476.00	7,264.97	215.65	281.41	89.28	-4,373.48	-11,153.52	3,880.05	3,500.20	379.85	10.215				
15,900.00	7,321.00	17,476.00	7,264.97	217.80	281.41	89.28	-4,373.48	-11,153.52	3,801.49	3,415.59	385.90	9.851				
16,000.00	7,321.00	17,476.00	7,264.97	219.96	281.41	89.28	-4,373.48	-11,153.52	3,723.96	3,331.84	392.12	9.497				
16,100.00	7,321.00	17,476.00	7,264.97	222.14	281.41	89.28	-4,373.48	-11,153.52	3,647.52	3,249.02	398.50	9.153				
16,200.00	7,321.00	17,476.00	7,264.97	224.34	281.41	89.28	-4,373.48	-11,153.52	3,572.24	3,167.20	405.05	8.819				
16,300.00	7,321.00	17,476.00	7,264.97	226.55	281.41	89.28	-4,373.48	-11,153.52	3,498.21	3,086.46	411.75	8.496				
16,400.00	7,321.00	17,476.00	7,264.97	228.77	281.41	89.28	-4,373.48	-11,153.52	3,425.49	3,006.89	418.61	8.183				
16,500.00	7,321.00	17,476.00	7,264.97	231.00	281.41	89.28	-4,373.48	-11,153.52	3,354.18	2,928.58	425.60	7.881				

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 5-T6N-R67W - MICKEY 10 - ORIGINAL WELLBORE - WB # 1 - Patterson 346		Offset Site Error:		0.00 usft	
Survey Program:		1577-MWD OWSG											Offset Well Error:		0.00 usft			
Reference		Offset		Semi Major Axis		Distance												
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning					
16,600.00	7,321.00	17,476.00	7,264.97	233.25	281.41	89.28	-4,373.48	-11,153.52	3,284.37	2,851.64	432.73	7.590						
16,700.00	7,321.00	17,476.00	7,264.97	235.51	281.41	89.28	-4,373.48	-11,153.52	3,216.15	2,776.17	439.98	7.310						
16,800.00	7,321.00	17,476.00	7,264.97	237.78	281.41	89.28	-4,373.48	-11,153.52	3,149.63	2,702.30	447.33	7.041						
16,900.00	7,321.00	17,476.00	7,264.97	240.06	281.41	89.28	-4,373.48	-11,153.52	3,084.92	2,630.16	454.76	6.784						
17,000.00	7,321.00	17,476.00	7,264.97	242.35	281.41	89.28	-4,373.48	-11,153.52	3,022.13	2,559.89	462.24	6.538						
17,100.00	7,321.00	17,476.00	7,264.97	244.66	281.41	89.28	-4,373.48	-11,153.52	2,961.38	2,491.64	469.74	6.304						
17,200.00	7,321.00	17,476.00	7,264.97	246.97	281.41	89.28	-4,373.48	-11,153.52	2,902.81	2,425.58	477.23	6.083						
17,300.00	7,321.00	17,476.00	7,264.97	249.29	281.41	89.28	-4,373.48	-11,153.52	2,846.55	2,361.88	484.68	5.873						
17,400.00	7,321.00	17,476.00	7,264.97	251.63	281.41	89.28	-4,373.48	-11,153.52	2,792.74	2,300.72	492.02	5.672						
17,500.00	7,321.00	17,476.00	7,264.97	253.97	281.41	89.28	-4,373.48	-11,153.52	2,741.52	2,242.30	499.22	5.492						
17,600.00	7,321.00	17,476.00	7,264.97	256.32	281.41	89.28	-4,373.48	-11,153.52	2,693.04	2,186.83	506.22	5.320						
17,700.00	7,321.00	17,476.00	7,264.97	258.68	281.41	89.28	-4,373.48	-11,153.52	2,647.46	2,134.51	512.95	5.161						
17,800.00	7,321.00	17,476.00	7,264.97	261.05	281.41	89.28	-4,373.48	-11,153.52	2,604.91	2,085.56	519.35	5.016						
17,900.00	7,321.00	17,476.00	7,264.97	263.43	281.41	89.28	-4,373.48	-11,153.52	2,565.56	2,040.21	525.35	4.884						
18,000.00	7,321.00	17,476.00	7,264.97	265.81	281.41	89.28	-4,373.48	-11,153.52	2,529.55	1,998.67	530.88	4.765						
18,100.00	7,321.00	17,476.00	7,264.97	268.21	281.41	89.28	-4,373.48	-11,153.52	2,497.04	1,961.17	535.87	4.660						
18,200.00	7,321.00	17,476.00	7,264.97	270.61	281.41	89.28	-4,373.48	-11,153.52	2,468.14	1,927.90	540.24	4.569						
18,300.00	7,321.00	17,476.00	7,264.97	273.02	281.41	89.28	-4,373.48	-11,153.52	2,443.00	1,899.08	543.92	4.491						
18,400.00	7,321.00	17,476.00	7,264.97	275.43	281.41	89.28	-4,373.48	-11,153.52	2,421.74	1,874.88	546.86	4.428						
18,500.00	7,321.00	17,476.00	7,264.97	277.86	281.41	89.28	-4,373.48	-11,153.52	2,404.44	1,855.45	548.99	4.380						
18,600.00	7,321.00	17,476.00	7,264.97	280.28	281.41	89.28	-4,373.48	-11,153.52	2,391.21	1,840.94	550.27	4.346						
18,700.00	7,321.00	17,476.00	7,264.97	282.72	281.41	89.28	-4,373.48	-11,153.52	2,382.11	1,831.45	550.66	4.326						
18,800.00	7,321.00	17,457.00	7,264.83	285.16	280.89	89.27	-4,374.14	-11,172.50	2,377.10	1,826.80	550.30	4.320						
18,900.00	7,321.00	17,377.36	7,264.23	287.61	278.74	89.26	-4,376.79	-11,252.10	2,373.68	1,823.60	550.09	4.315						
19,000.00	7,321.00	17,295.87	7,263.63	290.06	276.54	89.24	-4,378.52	-11,333.57	2,371.38	1,821.52	549.86	4.313						
19,100.00	7,321.00	17,172.16	7,264.00	292.52	273.19	89.25	-4,381.23	-11,457.24	2,369.06	1,818.99	550.07	4.307						
19,200.00	7,321.00	17,083.00	7,264.94	294.99	270.78	89.27	-4,383.64	-11,546.36	2,366.19	1,816.24	549.94	4.303						
19,300.00	7,321.00	16,989.00	7,265.46	297.46	268.24	89.28	-4,385.72	-11,640.34	2,363.80	1,813.95	549.86	4.299						
19,400.00	7,321.00	16,894.58	7,265.08	299.94	265.69	89.27	-4,387.48	-11,734.74	2,361.77	1,812.01	549.76	4.296 SF						
19,500.00	7,321.00	16,828.07	7,264.02	302.42	263.89	89.25	-4,388.28	-11,801.24	2,360.42	1,811.12	549.31	4.297 ES						
19,543.06	7,321.00	16,800.00	7,263.41	303.49	263.13	89.23	-4,388.33	-11,829.30	2,360.28	1,811.22	549.07	4.299						
19,600.00	7,321.00	16,759.44	7,262.65	304.90	262.03	89.21	-4,388.14	-11,869.85	2,360.48	1,811.70	548.78	4.301						
19,700.00	7,321.00	16,681.66	7,262.14	307.40	259.92	89.20	-4,386.99	-11,947.62	2,361.76	1,813.42	548.34	4.307						
19,800.00	7,321.00	16,568.09	7,258.72	309.89	256.84	89.12	-4,385.18	-12,061.12	2,363.26	1,814.73	548.53	4.308						
19,900.00	7,321.00	16,422.00	7,247.00	312.39	252.90	88.84	-4,385.30	-12,206.70	2,363.06	1,813.94	549.12	4.303						
20,000.00	7,321.00	16,338.09	7,237.13	314.90	250.65	88.60	-4,386.15	-12,290.02	2,362.21	1,813.44	548.77	4.305						
20,012.64	7,321.00	16,329.17	7,236.09	315.21	250.41	88.57	-4,386.17	-12,298.88	2,362.20	1,813.51	548.70	4.305						
20,100.00	7,321.00	16,267.52	7,228.99	317.41	248.75	88.40	-4,385.91	-12,360.12	2,362.69	1,814.51	548.17	4.310						
20,200.00	7,321.00	16,179.89	7,219.22	319.92	246.39	88.16	-4,384.69	-12,447.19	2,364.24	1,816.43	547.81	4.316						
20,300.00	7,321.00	16,044.00	7,206.90	322.44	242.73	87.87	-4,383.63	-12,582.51	2,365.18	1,816.92	548.26	4.314						
20,400.00	7,321.00	15,940.48	7,201.92	324.96	239.93	87.74	-4,383.36	-12,685.90	2,365.47	1,817.24	548.23	4.315						
20,500.00	7,321.00	15,813.53	7,198.96	327.49	236.49	87.67	-4,383.67	-12,812.81	2,365.22	1,816.67	548.55	4.312						
20,600.00	7,321.00	15,709.82	7,197.22	330.02	233.69	87.63	-4,384.93	-12,916.50	2,363.91	1,815.35	548.56	4.309						
20,700.00	7,321.00	15,571.00	7,190.66	332.55	229.94	87.47	-4,387.49	-13,055.13	2,362.21	1,813.34	548.87	4.304						
20,800.00	7,321.00	15,512.56	7,187.93	335.09	228.36	87.40	-4,388.74	-13,113.50	2,360.15	1,811.78	548.37	4.304						
20,863.77	7,321.00	15,476.00	7,186.33	336.71	227.38	87.36	-4,388.96	-13,150.02	2,359.78	1,811.83	547.95	4.307 CC						
20,900.00	7,321.00	15,453.34	7,185.42	337.63	226.76	87.34	-4,388.90	-13,172.66	2,359.89	1,812.17	547.71	4.309						
21,000.00	7,321.00	15,382.00	7,183.26	340.17	224.83	87.29	-4,387.84	-13,243.96	2,361.27	1,814.12	547.15	4.316						
21,100.00	7,321.00	15,278.78	7,182.05	342.72	222.04	87.26	-4,385.70	-13,347.15	2,363.23	1,816.05	547.18	4.319						
21,200.00	7,321.00	15,193.00	7,180.45	345.27	219.72	87.22	-4,384.06	-13,432.89	2,365.08	1,818.22	546.87	4.325						
21,300.00	7,321.00	15,114.59	7,177.65	347.82	217.59	87.16	-4,382.32	-13,511.23	2,367.42	1,821.07	546.35	4.333						
21,400.00	7,321.00	14,957.48	7,171.53	350.38	213.34	87.01	-4,380.41	-13,668.21	2,368.26	1,820.89	547.37	4.327						

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 5-T6N-R67W - MICKEY 10 - ORIGINAL WELLBORE - WB # 1 - Patterson 346												Offset Site Error:	0.00 usft
Survey Program: 1577-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
21,500.00	7,321.00	14,879.95	7,167.67	352.94	211.25	86.92	-4,379.47	-13,745.63	2,369.56	1,822.67	546.89	4.333	
21,600.00	7,321.00	14,776.61	7,164.80	355.50	208.45	86.85	-4,377.48	-13,848.91	2,371.47	1,824.57	546.90	4.336	
21,700.00	7,321.00	14,588.54	7,157.34	358.07	203.37	86.67	-4,378.45	-14,036.81	2,370.87	1,822.82	548.05	4.326	
21,746.26	7,321.00	14,543.19	7,155.09	359.25	202.15	86.61	-4,379.46	-14,082.09	2,369.89	1,821.89	548.00	4.325	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 5-T6N-R67W - MICKEY 11 - ORIGINAL WELLBORE - WB # 1 - Patterson 346		Offset Site Error:		0.00 usft	
Survey Program:		1576-MWD OWSG													Offset Well Error:		0.00 usft	
Reference		Offset		Semi Major Axis			Distance							Warning				
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						
6,100.00	4,482.20	17,312.00	7,020.41	69.08	282.00	83.55	-4,535.76	-11,142.08	10,076.55	9,976.42	100.13	100.631						
6,200.00	4,543.55	17,312.00	7,020.41	70.53	282.00	83.55	-4,535.76	-11,142.08	10,023.22	9,923.04	100.18	100.053						
6,300.00	4,604.91	17,312.00	7,020.41	71.98	282.00	83.55	-4,535.76	-11,142.08	9,970.61	9,870.35	100.26	99.448						
6,400.00	4,666.26	17,312.00	7,020.41	73.44	282.00	83.55	-4,535.76	-11,142.08	9,918.73	9,818.35	100.38	98.813						
6,500.00	4,727.62	17,312.00	7,020.41	74.89	282.00	83.55	-4,535.76	-11,142.08	9,867.59	9,767.05	100.54	98.143						
6,600.00	4,788.97	17,312.00	7,020.41	76.34	282.00	83.55	-4,535.76	-11,142.08	9,817.20	9,716.44	100.76	97.429						
6,700.00	4,850.33	17,312.00	7,020.41	77.79	282.00	83.55	-4,535.76	-11,142.08	9,767.58	9,666.53	101.04	96.666						
6,800.00	4,911.68	17,312.00	7,020.41	79.24	282.00	83.55	-4,535.76	-11,142.08	9,718.73	9,617.33	101.40	95.846						
6,900.00	4,973.04	17,312.00	7,020.41	80.70	282.00	83.55	-4,535.76	-11,142.08	9,670.67	9,568.83	101.84	94.960						
7,000.00	5,034.39	17,312.00	7,020.41	82.15	282.00	83.55	-4,535.76	-11,142.08	9,623.41	9,521.03	102.38	94.000						
7,100.00	5,095.75	17,312.00	7,020.41	83.60	282.00	83.55	-4,535.76	-11,142.08	9,576.95	9,473.93	103.03	92.957						
7,200.00	5,157.10	17,312.00	7,020.41	85.05	282.00	83.55	-4,535.76	-11,142.08	9,531.33	9,427.52	103.80	91.821						
7,300.00	5,218.46	17,312.00	7,020.41	86.51	282.00	83.55	-4,535.76	-11,142.08	9,486.53	9,381.81	104.72	90.587						
7,400.00	5,279.81	17,312.00	7,020.41	87.96	282.00	83.55	-4,535.76	-11,142.08	9,442.59	9,336.78	105.80	89.247						
7,500.00	5,341.17	17,312.00	7,020.41	89.41	282.00	83.55	-4,535.76	-11,142.08	9,399.50	9,292.44	107.06	87.800						
7,600.00	5,402.52	17,312.00	7,020.41	90.87	282.00	83.55	-4,535.76	-11,142.08	9,357.28	9,248.78	108.49	86.246						
7,700.00	5,463.88	17,312.00	7,020.41	92.32	282.00	83.55	-4,535.76	-11,142.08	9,315.94	9,205.81	110.13	84.591						
7,800.00	5,525.23	17,312.00	7,020.41	93.77	282.00	83.55	-4,535.76	-11,142.08	9,275.50	9,163.53	111.97	82.842						
7,900.00	5,586.59	17,312.00	7,020.41	95.23	282.00	83.55	-4,535.76	-11,142.08	9,235.96	9,121.96	114.00	81.014						
8,000.00	5,647.94	17,312.00	7,020.41	96.68	282.00	83.55	-4,535.76	-11,142.08	9,197.34	9,081.10	116.24	79.122						
8,100.00	5,709.30	17,312.00	7,020.41	98.13	282.00	83.55	-4,535.76	-11,142.08	9,159.65	9,040.98	118.67	77.184						
8,200.00	5,770.65	17,312.00	7,020.41	99.59	282.00	83.55	-4,535.76	-11,142.08	9,122.90	9,001.62	121.28	75.220						
8,300.00	5,832.01	17,312.00	7,020.41	101.04	282.00	83.55	-4,535.76	-11,142.08	9,087.11	8,963.04	124.06	73.246						
8,400.00	5,893.36	17,312.00	7,020.41	102.49	282.00	83.55	-4,535.76	-11,142.08	9,052.27	8,925.27	127.00	71.280						
8,500.00	5,954.72	17,312.00	7,020.41	103.95	282.00	83.55	-4,535.76	-11,142.08	9,018.41	8,888.34	130.07	69.335						
8,600.00	6,016.07	17,312.00	7,020.41	105.40	282.00	83.55	-4,535.76	-11,142.08	8,985.54	8,852.27	133.27	67.423						
8,700.00	6,077.43	17,312.00	7,020.41	106.86	282.00	83.55	-4,535.76	-11,142.08	8,953.66	8,817.07	136.58	65.554						
8,800.00	6,138.78	17,312.00	7,020.41	108.31	282.00	83.55	-4,535.76	-11,142.08	8,922.79	8,782.79	140.00	63.736						
8,900.00	6,200.13	17,312.00	7,020.41	109.76	282.00	83.55	-4,535.76	-11,142.08	8,892.93	8,749.43	143.50	61.973						
9,000.00	6,261.49	17,312.00	7,020.41	111.22	282.00	83.55	-4,535.76	-11,142.08	8,864.10	8,717.03	147.08	60.268						
9,100.00	6,322.84	17,312.00	7,020.41	112.67	282.00	83.55	-4,535.76	-11,142.08	8,836.31	8,685.59	150.73	58.625						
9,200.00	6,384.20	17,312.00	7,020.41	114.13	282.00	83.55	-4,535.76	-11,142.08	8,809.57	8,655.14	154.43	57.044						
9,300.00	6,445.55	17,312.00	7,020.41	115.58	282.00	83.55	-4,535.76	-11,142.08	8,783.89	8,625.69	158.20	55.525						
9,400.00	6,506.91	17,312.00	7,020.41	117.03	282.00	83.55	-4,535.76	-11,142.08	8,759.27	8,597.27	162.00	54.069						
9,500.00	6,568.26	17,312.00	7,020.41	118.49	282.00	83.55	-4,535.76	-11,142.08	8,735.73	8,569.88	165.85	52.673						
9,600.00	6,629.62	17,312.00	7,020.41	119.94	282.00	83.55	-4,535.76	-11,142.08	8,713.27	8,543.54	169.73	51.336						
9,700.00	6,690.97	17,312.00	7,020.41	121.40	282.00	83.55	-4,535.76	-11,142.08	8,691.90	8,518.26	173.64	50.057						
9,800.00	6,752.33	17,312.00	7,020.41	122.85	282.00	83.55	-4,535.76	-11,142.08	8,671.64	8,494.06	177.57	48.834						
9,900.00	6,813.68	17,312.00	7,020.41	124.31	282.00	83.55	-4,535.76	-11,142.08	8,652.48	8,470.95	181.53	47.665						
10,000.00	6,875.04	17,312.00	7,020.41	125.76	282.00	83.55	-4,535.76	-11,142.08	8,634.44	8,448.94	185.50	46.548						
10,100.00	6,936.39	17,312.00	7,020.41	127.22	282.00	83.55	-4,535.76	-11,142.08	8,617.52	8,428.04	189.48	45.481						
10,200.00	6,997.75	17,312.00	7,020.41	128.67	282.00	83.55	-4,535.76	-11,142.08	8,601.73	8,408.27	193.47	44.461						
10,300.00	7,059.10	17,312.00	7,020.41	130.13	282.00	83.55	-4,535.76	-11,142.08	8,587.08	8,389.62	197.46	43.488						
10,400.00	7,118.86	17,312.00	7,020.41	131.62	282.00	77.56	-4,535.76	-11,142.08	8,566.88	8,365.42	201.46	42.524						
10,500.00	7,173.55	17,312.00	7,020.41	133.17	282.00	72.17	-4,535.76	-11,142.08	8,531.32	8,325.92	205.40	41.535						
10,600.00	7,221.49	17,312.00	7,020.41	134.72	282.00	68.38	-4,535.76	-11,142.08	8,481.20	8,272.03	209.17	40.547						
10,700.00	7,261.21	17,312.00	7,020.41	136.22	282.00	66.31	-4,535.76	-11,142.08	8,417.78	8,205.13	212.65	39.586						
10,800.00	7,291.51	17,312.00	7,020.41	137.61	282.00	66.30	-4,535.76	-11,142.08	8,342.72	8,126.99	215.73	38.672						
10,900.00	7,311.47	17,312.00	7,020.41	138.86	282.00	69.25	-4,535.76	-11,142.08	8,258.02	8,039.70	218.32	37.826						
11,000.00	7,320.48	17,312.00	7,020.41	139.92	282.00	77.96	-4,535.76	-11,142.08	8,165.99	7,945.67	220.32	37.064						
11,100.00	7,321.00	17,312.00	7,020.41	140.82	282.00	82.93	-4,535.76	-11,142.08	8,070.04	7,848.20	221.83	36.379						
11,200.00	7,321.00	17,312.00	7,020.41	141.74	282.00	82.93	-4,535.76	-11,142.08	7,973.98	7,750.63	223.35	35.701						

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 MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1576-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,300.00	7,321.00	17,312.00	7,020.41	142.69	282.00	82.93	-4,535.76	-11,142.08	7,878.02	7,653.11	224.91	35.027		
11,400.00	7,321.00	17,312.00	7,020.41	143.67	282.00	82.93	-4,535.76	-11,142.08	7,782.17	7,555.66	226.51	34.357		
11,500.00	7,321.00	17,312.00	7,020.41	144.68	282.00	82.93	-4,535.76	-11,142.08	7,686.42	7,458.27	228.14	33.691		
11,600.00	7,321.00	17,312.00	7,020.41	145.73	282.00	82.93	-4,535.76	-11,142.08	7,590.78	7,360.96	229.82	33.029		
11,700.00	7,321.00	17,312.00	7,020.41	146.80	282.00	82.93	-4,535.76	-11,142.08	7,495.25	7,263.71	231.54	32.371		
11,800.00	7,321.00	17,312.00	7,020.41	147.91	282.00	82.93	-4,535.76	-11,142.08	7,399.84	7,166.53	233.31	31.717		
11,900.00	7,321.00	17,312.00	7,020.41	149.05	282.00	82.93	-4,535.76	-11,142.08	7,304.55	7,069.44	235.12	31.068		
12,000.00	7,321.00	17,312.00	7,020.41	150.22	282.00	82.93	-4,535.76	-11,142.08	7,209.40	6,972.42	236.97	30.423		
12,100.00	7,321.00	17,312.00	7,020.41	151.42	282.00	82.93	-4,535.76	-11,142.08	7,114.37	6,875.49	238.88	29.782		
12,200.00	7,321.00	17,312.00	7,020.41	152.66	282.00	82.93	-4,535.76	-11,142.08	7,019.48	6,778.64	240.84	29.146		
12,300.00	7,321.00	17,312.00	7,020.41	153.93	282.00	82.93	-4,535.76	-11,142.08	6,924.74	6,681.89	242.86	28.514		
12,400.00	7,321.00	17,312.00	7,020.41	155.22	282.00	82.93	-4,535.76	-11,142.08	6,830.15	6,585.23	244.92	27.887		
12,500.00	7,321.00	17,312.00	7,020.41	156.55	282.00	82.93	-4,535.76	-11,142.08	6,735.71	6,488.66	247.05	27.265		
12,600.00	7,321.00	17,312.00	7,020.41	157.91	282.00	82.93	-4,535.76	-11,142.08	6,641.44	6,392.21	249.23	26.648		
12,700.00	7,321.00	17,312.00	7,020.41	159.31	282.00	82.93	-4,535.76	-11,142.08	6,547.33	6,295.86	251.48	26.036		
12,800.00	7,321.00	17,312.00	7,020.41	160.73	282.00	82.93	-4,535.76	-11,142.08	6,453.41	6,199.62	253.79	25.429		
12,900.00	7,321.00	17,312.00	7,020.41	162.18	282.00	82.93	-4,535.76	-11,142.08	6,359.66	6,103.50	256.16	24.827		
13,000.00	7,321.00	17,312.00	7,020.41	163.67	282.00	82.93	-4,535.76	-11,142.08	6,266.12	6,007.51	258.60	24.230		
13,100.00	7,321.00	17,312.00	7,020.41	165.18	282.00	82.93	-4,535.76	-11,142.08	6,172.77	5,911.65	261.12	23.640		
13,200.00	7,321.00	17,312.00	7,020.41	166.73	282.00	82.93	-4,535.76	-11,142.08	6,079.64	5,815.93	263.71	23.054		
13,300.00	7,321.00	17,312.00	7,020.41	168.30	282.00	82.93	-4,535.76	-11,142.08	5,986.72	5,720.35	266.37	22.475		
13,400.00	7,321.00	17,312.00	7,020.41	169.90	282.00	82.93	-4,535.76	-11,142.08	5,894.04	5,624.92	269.12	21.901		
13,500.00	7,321.00	17,312.00	7,020.41	171.53	282.00	82.93	-4,535.76	-11,142.08	5,801.60	5,529.65	271.95	21.333		
13,600.00	7,321.00	17,312.00	7,020.41	173.19	282.00	82.93	-4,535.76	-11,142.08	5,709.42	5,434.56	274.87	20.772		
13,700.00	7,321.00	17,312.00	7,020.41	174.88	282.00	82.93	-4,535.76	-11,142.08	5,617.51	5,339.64	277.87	20.216		
13,800.00	7,321.00	17,312.00	7,020.41	176.59	282.00	82.93	-4,535.76	-11,142.08	5,525.87	5,244.90	280.97	19.667		
13,900.00	7,321.00	17,312.00	7,020.41	178.33	282.00	82.93	-4,535.76	-11,142.08	5,434.53	5,150.37	284.16	19.125		
14,000.00	7,321.00	17,312.00	7,020.41	180.09	282.00	82.93	-4,535.76	-11,142.08	5,343.50	5,056.04	287.46	18.589		
14,100.00	7,321.00	17,312.00	7,020.41	181.88	282.00	82.93	-4,535.76	-11,142.08	5,252.80	4,961.94	290.86	18.060		
14,200.00	7,321.00	17,312.00	7,020.41	183.70	282.00	82.93	-4,535.76	-11,142.08	5,162.44	4,868.07	294.37	17.538		
14,300.00	7,321.00	17,312.00	7,020.41	185.54	282.00	82.93	-4,535.76	-11,142.08	5,072.44	4,774.45	297.99	17.022		
14,400.00	7,321.00	17,312.00	7,020.41	187.40	282.00	82.93	-4,535.76	-11,142.08	4,982.82	4,681.10	301.72	16.514		
14,500.00	7,321.00	17,312.00	7,020.41	189.29	282.00	82.93	-4,535.76	-11,142.08	4,893.61	4,588.03	305.58	16.014		
14,600.00	7,321.00	17,312.00	7,020.41	191.20	282.00	82.93	-4,535.76	-11,142.08	4,804.82	4,495.25	309.57	15.521		
14,700.00	7,321.00	17,312.00	7,020.41	193.13	282.00	82.93	-4,535.76	-11,142.08	4,716.48	4,402.79	313.69	15.036		
14,800.00	7,321.00	17,312.00	7,020.41	195.08	282.00	82.93	-4,535.76	-11,142.08	4,628.61	4,310.67	317.94	14.558		
14,900.00	7,321.00	17,312.00	7,020.41	197.05	282.00	82.93	-4,535.76	-11,142.08	4,541.25	4,218.92	322.33	14.089		
15,000.00	7,321.00	17,312.00	7,020.41	199.04	282.00	82.93	-4,535.76	-11,142.08	4,454.42	4,127.55	326.87	13.627		
15,100.00	7,321.00	17,312.00	7,020.41	201.06	282.00	82.93	-4,535.76	-11,142.08	4,368.15	4,036.59	331.56	13.175		
15,200.00	7,321.00	17,312.00	7,020.41	203.09	282.00	82.93	-4,535.76	-11,142.08	4,282.47	3,946.07	336.40	12.730		
15,300.00	7,321.00	17,312.00	7,020.41	205.14	282.00	82.93	-4,535.76	-11,142.08	4,197.44	3,856.03	341.41	12.295		
15,400.00	7,321.00	17,312.00	7,020.41	207.21	282.00	82.93	-4,535.76	-11,142.08	4,113.07	3,766.50	346.57	11.868		
15,500.00	7,321.00	17,312.00	7,020.41	209.29	282.00	82.93	-4,535.76	-11,142.08	4,029.42	3,677.51	351.91	11.450		
15,600.00	7,321.00	17,312.00	7,020.41	211.39	282.00	82.93	-4,535.76	-11,142.08	3,946.53	3,589.11	357.42	11.042		
15,700.00	7,321.00	17,312.00	7,020.41	213.51	282.00	82.93	-4,535.76	-11,142.08	3,864.45	3,501.34	363.11	10.643		
15,800.00	7,321.00	17,312.00	7,020.41	215.65	282.00	82.93	-4,535.76	-11,142.08	3,783.24	3,414.26	368.98	10.253		
15,900.00	7,321.00	17,312.00	7,020.41	217.80	282.00	82.93	-4,535.76	-11,142.08	3,702.94	3,327.91	375.03	9.874		
16,000.00	7,321.00	17,312.00	7,020.41	219.96	282.00	82.93	-4,535.76	-11,142.08	3,623.62	3,242.36	381.26	9.504		
16,100.00	7,321.00	17,312.00	7,020.41	222.14	282.00	82.93	-4,535.76	-11,142.08	3,545.35	3,157.68	387.68	9.145		
16,200.00	7,321.00	17,312.00	7,020.41	224.34	282.00	82.93	-4,535.76	-11,142.08	3,468.20	3,073.92	394.28	8.796		
16,300.00	7,321.00	17,312.00	7,020.41	226.55	282.00	82.93	-4,535.76	-11,142.08	3,392.24	2,991.18	401.06	8.458		
16,400.00	7,321.00	17,312.00	7,020.41	228.77	282.00	82.93	-4,535.76	-11,142.08	3,317.55	2,909.54	408.02	8.131		

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 MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 5-T6N-R67W - MICKEY 11 - ORIGINAL WELLBORE - WB # 1 - Patterson 346		Offset Site Error:		0.00 usft	
Survey Program: 1576-MWD OWSG													Offset Well Error:		0.00 usft			
Reference		Offset		Semi Major Axis		Distance							Warning					
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						
16,500.00	7,321.00	17,312.00	7,020.41	231.00	282.00	82.93	-4,535.76	-11,142.08	3,244.23	2,829.09	415.14	7.815						
16,600.00	7,321.00	17,312.00	7,020.41	233.25	282.00	82.93	-4,535.76	-11,142.08	3,172.37	2,749.93	422.43	7.510						
16,700.00	7,321.00	17,312.00	7,020.41	235.51	282.00	82.93	-4,535.76	-11,142.08	3,102.06	2,672.19	429.87	7.216						
16,800.00	7,321.00	17,312.00	7,020.41	237.78	282.00	82.93	-4,535.76	-11,142.08	3,033.43	2,595.99	437.44	6.935						
16,900.00	7,321.00	17,312.00	7,020.41	240.06	282.00	82.93	-4,535.76	-11,142.08	2,966.57	2,521.45	445.12	6.665						
17,000.00	7,321.00	17,312.00	7,020.41	242.35	282.00	82.93	-4,535.76	-11,142.08	2,901.63	2,448.74	452.89	6.407						
17,100.00	7,321.00	17,312.00	7,020.41	244.66	282.00	82.93	-4,535.76	-11,142.08	2,838.72	2,378.01	460.71	6.162						
17,200.00	7,321.00	17,312.00	7,020.41	246.97	282.00	82.93	-4,535.76	-11,142.08	2,777.99	2,309.43	468.55	5.929						
17,300.00	7,321.00	17,312.00	7,020.41	249.29	282.00	82.93	-4,535.76	-11,142.08	2,719.57	2,243.20	476.38	5.709						
17,400.00	7,321.00	17,312.00	7,020.41	251.63	282.00	82.93	-4,535.76	-11,142.08	2,663.64	2,179.51	484.13	5.502						
17,500.00	7,321.00	17,312.00	7,020.41	253.97	282.00	82.93	-4,535.76	-11,142.08	2,610.33	2,118.58	491.76	5.308						
17,600.00	7,321.00	17,312.00	7,020.41	256.32	282.00	82.93	-4,535.76	-11,142.08	2,559.83	2,060.63	499.20	5.128						
17,700.00	7,321.00	17,312.00	7,020.41	258.68	282.00	82.93	-4,535.76	-11,142.08	2,512.29	2,005.91	506.38	4.961						
17,800.00	7,321.00	17,312.00	7,020.41	261.05	282.00	82.93	-4,535.76	-11,142.08	2,467.89	1,954.67	513.23	4.809						
17,900.00	7,321.00	17,312.00	7,020.41	263.43	282.00	82.93	-4,535.76	-11,142.08	2,426.80	1,907.14	519.66	4.670						
18,000.00	7,321.00	17,312.00	7,020.41	265.81	282.00	82.93	-4,535.76	-11,142.08	2,389.19	1,863.60	525.60	4.546						
18,100.00	7,321.00	17,312.00	7,020.41	268.21	282.00	82.93	-4,535.76	-11,142.08	2,355.23	1,824.29	530.95	4.436						
18,200.00	7,321.00	17,312.00	7,020.41	270.61	282.00	82.93	-4,535.76	-11,142.08	2,325.08	1,789.45	535.63	4.341						
18,300.00	7,321.00	17,312.00	7,020.41	273.02	282.00	82.93	-4,535.76	-11,142.08	2,298.89	1,759.33	539.56	4.261						
18,400.00	7,321.00	17,312.00	7,020.41	275.43	282.00	82.93	-4,535.76	-11,142.08	2,276.79	1,734.14	542.65	4.196						
18,500.00	7,321.00	17,312.00	7,020.41	277.86	282.00	82.93	-4,535.76	-11,142.08	2,258.91	1,714.06	544.84	4.146						
18,600.00	7,321.00	17,312.00	7,020.41	280.28	282.00	82.93	-4,535.76	-11,142.08	2,245.34	1,699.26	546.08	4.112						
18,700.00	7,321.00	17,312.00	7,020.41	282.72	282.00	82.93	-4,535.76	-11,142.08	2,236.16	1,689.85	546.31	4.093						
18,800.00	7,321.00	17,312.00	7,020.41	285.16	282.00	82.93	-4,535.76	-11,142.08	2,231.43	1,685.92	545.52	4.091						
18,855.63	7,321.00	17,312.00	7,020.41	286.52	282.00	82.93	-4,535.76	-11,142.08	2,230.74	1,686.11	544.63	4.096						
18,900.00	7,321.00	17,275.00	7,020.27	287.61	281.00	82.93	-4,535.59	-11,179.08	2,230.88	1,686.41	544.47	4.097						
19,000.00	7,321.00	17,155.36	7,019.16	290.06	277.76	82.90	-4,535.65	-11,298.71	2,230.78	1,686.02	544.75	4.095						
19,100.00	7,321.00	17,049.36	7,017.50	292.52	274.89	82.85	-4,536.19	-11,404.69	2,230.32	1,685.56	544.77	4.094						
19,200.00	7,321.00	16,930.98	7,018.33	294.99	271.68	82.87	-4,537.70	-11,523.06	2,228.75	1,683.71	545.05	4.089						
19,300.00	7,321.00	16,806.51	7,019.58	297.46	268.31	82.89	-4,539.78	-11,647.50	2,226.86	1,681.49	545.38	4.083						
19,400.00	7,321.00	16,684.28	7,019.15	299.94	265.01	82.87	-4,543.72	-11,769.66	2,223.53	1,677.96	545.57	4.076						
19,500.00	7,321.00	16,588.24	7,017.32	302.42	262.42	82.81	-4,547.48	-11,865.61	2,219.73	1,674.30	545.43	4.070						
19,600.00	7,321.00	16,514.00	7,014.44	304.90	260.41	82.73	-4,549.92	-11,939.75	2,216.78	1,671.76	545.01	4.067 SF						
19,700.00	7,321.00	16,466.82	7,012.09	307.40	259.14	82.66	-4,550.70	-11,986.87	2,215.59	1,671.50	544.08	4.072 CC, ES						
19,704.45	7,321.00	16,464.67	7,011.99	307.51	259.08	82.66	-4,550.71	-11,989.01	2,215.59	1,671.55	544.04	4.072						
19,800.00	7,321.00	16,420.00	7,009.91	309.89	257.87	82.61	-4,550.37	-12,033.64	2,216.74	1,673.88	542.87	4.083						
19,900.00	7,321.00	16,355.28	7,007.51	312.39	256.11	82.55	-4,548.54	-12,098.29	2,219.88	1,678.03	541.86	4.097						
20,000.00	7,321.00	16,257.91	7,005.31	314.90	253.47	82.51	-4,544.35	-12,195.54	2,224.27	1,682.57	541.70	4.106						
20,100.00	7,321.00	16,082.08	7,002.70	317.41	248.70	82.46	-4,540.05	-12,371.29	2,226.79	1,683.38	543.41	4.098						
20,200.00	7,321.00	15,949.70	6,999.83	319.92	245.12	82.38	-4,540.47	-12,503.62	2,226.55	1,682.67	543.88	4.094						
20,239.45	7,321.00	15,927.52	6,999.05	320.91	244.52	82.36	-4,540.63	-12,525.79	2,226.39	1,682.85	543.54	4.096						
20,300.00	7,321.00	15,894.05	6,998.06	322.44	243.61	82.34	-4,540.50	-12,559.25	2,226.77	1,683.80	542.97	4.101						
20,400.00	7,321.00	15,818.12	6,996.61	324.96	241.55	82.30	-4,538.88	-12,635.15	2,228.86	1,686.50	542.37	4.109						
20,500.00	7,321.00	15,702.11	6,995.08	327.49	238.40	82.27	-4,536.77	-12,751.13	2,230.66	1,688.00	542.67	4.111						
20,600.00	7,321.00	15,593.35	6,993.85	330.02	235.46	82.25	-4,535.19	-12,859.86	2,232.09	1,689.29	542.80	4.112						
20,700.00	7,321.00	15,482.01	6,992.28	332.55	232.44	82.21	-4,534.23	-12,971.19	2,232.97	1,690.01	542.96	4.113						
20,800.00	7,321.00	15,326.00	6,993.16	335.09	228.22	82.23	-4,535.52	-13,127.18	2,231.64	1,687.73	543.91	4.103						
20,900.00	7,321.00	15,222.57	6,993.38	337.63	225.43	82.22	-4,537.24	-13,230.60	2,229.80	1,685.85	543.94	4.099						
21,000.00	7,321.00	15,099.00	6,992.87	340.17	222.09	82.20	-4,540.15	-13,354.13	2,227.37	1,683.18	544.19	4.093						
21,100.00	7,321.00	15,044.48	6,991.80	342.72	220.62	82.17	-4,541.33	-13,408.62	2,225.35	1,681.81	543.54	4.094						
21,134.00	7,321.00	15,026.07	6,991.24	343.58	220.12	82.15	-4,541.49	-13,427.03	2,225.13	1,681.87	543.26	4.096						
21,200.00	7,321.00	14,977.20	6,989.41	345.27	218.80	82.11	-4,541.50	-13,475.86	2,225.31	1,682.43	542.87	4.099						

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 5-T6N-R67W - MICKEY 11 - ORIGINAL WELLBORE - WB # 1 - Patterson 346												Offset Site Error:	0.00 usft
Survey Program: 1576-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
21,300.00	7,321.00	14,872.95	6,985.97	347.82	215.98	82.02	-4,541.43	-13,580.06	2,225.66	1,682.84	542.82	4.100	
21,400.00	7,321.00	14,761.26	6,982.60	350.38	212.96	81.93	-4,541.55	-13,691.69	2,225.83	1,682.93	542.91	4.100	
21,500.00	7,321.00	14,647.71	6,979.94	352.94	209.89	81.86	-4,542.46	-13,805.21	2,225.20	1,682.18	543.02	4.098	
21,586.91	7,321.00	14,579.49	6,978.58	355.16	208.04	81.82	-4,542.95	-13,873.41	2,224.72	1,682.06	542.65	4.100	
21,600.00	7,321.00	14,570.43	6,978.47	355.50	207.80	81.82	-4,542.94	-13,882.47	2,224.73	1,682.15	542.57	4.100	
21,700.00	7,321.00	14,420.90	6,977.65	358.07	203.76	81.80	-4,543.50	-14,032.00	2,224.51	1,681.19	543.32	4.094	
21,746.26	7,321.00	14,383.47	6,977.30	359.25	202.74	81.78	-4,544.19	-14,069.42	2,223.65	1,680.47	543.18	4.094	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1585-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
6,200.00	4,543.55	17,365.00	7,068.05	70.53	281.92	82.38	-4,868.75	-11,143.58	10,074.91	9,967.64	107.27	93.922		
6,300.00	4,604.91	17,365.00	7,068.05	71.98	281.92	82.38	-4,868.75	-11,143.58	10,019.92	9,912.71	107.20	93.465		
6,400.00	4,666.26	17,365.00	7,068.05	73.44	281.92	82.38	-4,868.75	-11,143.58	9,965.63	9,858.47	107.16	93.001		
6,500.00	4,727.62	17,365.00	7,068.05	74.89	281.92	82.38	-4,868.75	-11,143.58	9,912.05	9,804.92	107.12	92.528		
6,600.00	4,788.97	17,365.00	7,068.05	76.34	281.92	82.38	-4,868.75	-11,143.58	9,859.19	9,752.08	107.11	92.043		
6,700.00	4,850.33	17,365.00	7,068.05	77.79	281.92	82.38	-4,868.75	-11,143.58	9,807.07	9,699.94	107.13	91.544		
6,800.00	4,911.68	17,365.00	7,068.05	79.24	281.92	82.38	-4,868.75	-11,143.58	9,755.70	9,648.52	107.18	91.025		
6,900.00	4,973.04	17,365.00	7,068.05	80.70	281.92	82.38	-4,868.75	-11,143.58	9,705.08	9,597.82	107.26	90.484		
7,000.00	5,034.39	17,365.00	7,068.05	82.15	281.92	82.38	-4,868.75	-11,143.58	9,655.23	9,547.85	107.38	89.916		
7,100.00	5,095.75	17,365.00	7,068.05	83.60	281.92	82.38	-4,868.75	-11,143.58	9,606.17	9,498.62	107.55	89.314		
7,200.00	5,157.10	17,365.00	7,068.05	85.05	281.92	82.38	-4,868.75	-11,143.58	9,557.90	9,450.11	107.79	88.673		
7,300.00	5,218.46	17,365.00	7,068.05	86.51	281.92	82.38	-4,868.75	-11,143.58	9,510.44	9,402.35	108.09	87.985		
7,400.00	5,279.81	17,365.00	7,068.05	87.96	281.92	82.38	-4,868.75	-11,143.58	9,463.79	9,355.32	108.48	87.242		
7,500.00	5,341.17	17,365.00	7,068.05	89.41	281.92	82.38	-4,868.75	-11,143.58	9,417.98	9,309.02	108.96	86.436		
7,600.00	5,402.52	17,365.00	7,068.05	90.87	281.92	82.38	-4,868.75	-11,143.58	9,373.01	9,263.46	109.55	85.558		
7,700.00	5,463.88	17,365.00	7,068.05	92.32	281.92	82.38	-4,868.75	-11,143.58	9,328.90	9,218.62	110.27	84.598		
7,800.00	5,525.23	17,365.00	7,068.05	93.77	281.92	82.38	-4,868.75	-11,143.58	9,285.65	9,174.51	111.14	83.549		
7,900.00	5,586.59	17,365.00	7,068.05	95.23	281.92	82.38	-4,868.75	-11,143.58	9,243.28	9,131.11	112.17	82.403		
8,000.00	5,647.94	17,365.00	7,068.05	96.68	281.92	82.38	-4,868.75	-11,143.58	9,201.80	9,088.42	113.38	81.156		
8,100.00	5,709.30	17,365.00	7,068.05	98.13	281.92	82.38	-4,868.75	-11,143.58	9,161.23	9,046.44	114.79	79.806		
8,200.00	5,770.65	17,365.00	7,068.05	99.59	281.92	82.38	-4,868.75	-11,143.58	9,121.57	9,005.16	116.41	78.357		
8,300.00	5,832.01	17,365.00	7,068.05	101.04	281.92	82.38	-4,868.75	-11,143.58	9,082.85	8,964.60	118.24	76.815		
8,400.00	5,893.36	17,365.00	7,068.05	102.49	281.92	82.38	-4,868.75	-11,143.58	9,045.06	8,924.76	120.29	75.192		
8,500.00	5,954.72	17,365.00	7,068.05	103.95	281.92	82.38	-4,868.75	-11,143.58	9,008.22	8,885.66	122.55	73.504		
8,600.00	6,016.07	17,365.00	7,068.05	105.40	281.92	82.38	-4,868.75	-11,143.58	8,972.34	8,847.32	125.02	71.766		
8,700.00	6,077.43	17,365.00	7,068.05	106.86	281.92	82.38	-4,868.75	-11,143.58	8,937.45	8,809.76	127.68	69.998		
8,800.00	6,138.78	17,365.00	7,068.05	108.31	281.92	82.38	-4,868.75	-11,143.58	8,903.53	8,773.01	130.52	68.216		
8,900.00	6,200.13	17,365.00	7,068.05	109.76	281.92	82.38	-4,868.75	-11,143.58	8,870.62	8,737.10	133.52	66.437		
9,000.00	6,261.49	17,365.00	7,068.05	111.22	281.92	82.38	-4,868.75	-11,143.58	8,838.71	8,702.05	136.66	64.675		
9,100.00	6,322.84	17,365.00	7,068.05	112.67	281.92	82.38	-4,868.75	-11,143.58	8,807.83	8,667.89	139.94	62.941		
9,200.00	6,384.20	17,365.00	7,068.05	114.13	281.92	82.38	-4,868.75	-11,143.58	8,777.97	8,634.65	143.32	61.245		
9,300.00	6,445.55	17,365.00	7,068.05	115.58	281.92	82.38	-4,868.75	-11,143.58	8,749.16	8,602.34	146.81	59.594		
9,400.00	6,506.91	17,365.00	7,068.05	117.03	281.92	82.38	-4,868.75	-11,143.58	8,721.39	8,571.01	150.39	57.993		
9,500.00	6,568.26	17,365.00	7,068.05	118.49	281.92	82.38	-4,868.75	-11,143.58	8,694.69	8,540.65	154.04	56.445		
9,600.00	6,629.62	17,365.00	7,068.05	119.94	281.92	82.38	-4,868.75	-11,143.58	8,669.06	8,511.31	157.76	54.952		
9,700.00	6,690.97	17,365.00	7,068.05	121.40	281.92	82.38	-4,868.75	-11,143.58	8,644.51	8,482.98	161.53	53.516		
9,800.00	6,752.33	17,365.00	7,068.05	122.85	281.92	82.38	-4,868.75	-11,143.58	8,621.05	8,455.70	165.35	52.137		
9,900.00	6,813.68	17,365.00	7,068.05	124.31	281.92	82.38	-4,868.75	-11,143.58	8,598.69	8,429.47	169.22	50.814		
10,000.00	6,875.04	17,365.00	7,068.05	125.76	281.92	82.38	-4,868.75	-11,143.58	8,577.44	8,404.32	173.12	49.546		
10,100.00	6,936.39	17,365.00	7,068.05	127.22	281.92	82.38	-4,868.75	-11,143.58	8,557.30	8,380.25	177.05	48.332		
10,200.00	6,997.75	17,365.00	7,068.05	128.67	281.92	82.38	-4,868.75	-11,143.58	8,538.29	8,357.28	181.01	47.171		
10,300.00	7,059.10	17,365.00	7,068.05	130.13	281.92	82.38	-4,868.75	-11,143.58	8,520.41	8,335.43	184.98	46.061		
10,400.00	7,118.86	17,365.00	7,068.05	131.62	281.92	76.39	-4,868.75	-11,143.58	8,497.00	8,308.04	188.96	44.967		
10,500.00	7,173.55	17,365.00	7,068.05	133.17	281.92	70.98	-4,868.75	-11,143.58	8,458.35	8,265.49	192.86	43.857		
10,600.00	7,221.49	17,365.00	7,068.05	134.72	281.92	67.13	-4,868.75	-11,143.58	8,405.32	8,208.75	196.57	42.761		
10,700.00	7,261.21	17,365.00	7,068.05	136.22	281.92	64.98	-4,868.75	-11,143.58	8,339.25	8,139.30	199.95	41.706		
10,800.00	7,291.51	17,365.00	7,068.05	137.61	281.92	64.87	-4,868.75	-11,143.58	8,261.89	8,058.96	202.92	40.715		
10,900.00	7,311.47	17,365.00	7,068.05	138.86	281.92	67.79	-4,868.75	-11,143.58	8,175.28	7,969.91	205.36	39.809		
11,000.00	7,320.48	17,365.00	7,068.05	139.92	281.92	77.15	-4,868.75	-11,143.58	8,081.81	7,874.62	207.19	39.006		
11,100.00	7,321.00	17,365.00	7,068.05	140.82	281.92	82.85	-4,868.75	-11,143.58	7,984.80	7,776.28	208.52	38.293		
11,200.00	7,321.00	17,365.00	7,068.05	141.74	281.92	82.85	-4,868.75	-11,143.58	7,887.70	7,677.85	209.85	37.588		
11,300.00	7,321.00	17,365.00	7,068.05	142.69	281.92	82.85	-4,868.75	-11,143.58	7,790.67	7,579.46	211.21	36.887		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1585-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,400.00	7,321.00	17,365.00	7,068.05	143.67	281.92	82.85	-4,868.75	-11,143.58	7,693.71	7,481.11	212.60	36.189		
11,500.00	7,321.00	17,365.00	7,068.05	144.68	281.92	82.85	-4,868.75	-11,143.58	7,596.83	7,382.80	214.03	35.494		
11,600.00	7,321.00	17,365.00	7,068.05	145.73	281.92	82.85	-4,868.75	-11,143.58	7,500.04	7,284.54	215.50	34.803		
11,700.00	7,321.00	17,365.00	7,068.05	146.80	281.92	82.85	-4,868.75	-11,143.58	7,403.33	7,186.32	217.01	34.115		
11,800.00	7,321.00	17,365.00	7,068.05	147.91	281.92	82.85	-4,868.75	-11,143.58	7,306.70	7,088.15	218.56	33.431		
11,900.00	7,321.00	17,365.00	7,068.05	149.05	281.92	82.85	-4,868.75	-11,143.58	7,210.18	6,990.03	220.15	32.751		
12,000.00	7,321.00	17,365.00	7,068.05	150.22	281.92	82.85	-4,868.75	-11,143.58	7,113.74	6,891.96	221.78	32.075		
12,100.00	7,321.00	17,365.00	7,068.05	151.42	281.92	82.85	-4,868.75	-11,143.58	7,017.41	6,793.94	223.47	31.403		
12,200.00	7,321.00	17,365.00	7,068.05	152.66	281.92	82.85	-4,868.75	-11,143.58	6,921.18	6,695.98	225.19	30.734		
12,300.00	7,321.00	17,365.00	7,068.05	153.93	281.92	82.85	-4,868.75	-11,143.58	6,825.06	6,598.09	226.97	30.070		
12,400.00	7,321.00	17,365.00	7,068.05	155.22	281.92	82.85	-4,868.75	-11,143.58	6,729.05	6,500.25	228.80	29.411		
12,500.00	7,321.00	17,365.00	7,068.05	156.55	281.92	82.85	-4,868.75	-11,143.58	6,633.16	6,402.48	230.68	28.755		
12,600.00	7,321.00	17,365.00	7,068.05	157.91	281.92	82.85	-4,868.75	-11,143.58	6,537.39	6,304.78	232.61	28.104		
12,700.00	7,321.00	17,365.00	7,068.05	159.31	281.92	82.85	-4,868.75	-11,143.58	6,441.75	6,207.14	234.61	27.458		
12,800.00	7,321.00	17,365.00	7,068.05	160.73	281.92	82.85	-4,868.75	-11,143.58	6,346.25	6,109.59	236.66	26.816		
12,900.00	7,321.00	17,365.00	7,068.05	162.18	281.92	82.85	-4,868.75	-11,143.58	6,250.88	6,012.11	238.77	26.179		
13,000.00	7,321.00	17,365.00	7,068.05	163.67	281.92	82.85	-4,868.75	-11,143.58	6,155.67	5,914.71	240.95	25.547		
13,100.00	7,321.00	17,365.00	7,068.05	165.18	281.92	82.85	-4,868.75	-11,143.58	6,060.60	5,817.40	243.20	24.920		
13,200.00	7,321.00	17,365.00	7,068.05	166.73	281.92	82.85	-4,868.75	-11,143.58	5,965.70	5,720.18	245.52	24.298		
13,300.00	7,321.00	17,365.00	7,068.05	168.30	281.92	82.85	-4,868.75	-11,143.58	5,870.97	5,623.06	247.91	23.682		
13,400.00	7,321.00	17,365.00	7,068.05	169.90	281.92	82.85	-4,868.75	-11,143.58	5,776.42	5,526.04	250.38	23.071		
13,500.00	7,321.00	17,365.00	7,068.05	171.53	281.92	82.85	-4,868.75	-11,143.58	5,682.05	5,429.12	252.92	22.466		
13,600.00	7,321.00	17,365.00	7,068.05	173.19	281.92	82.85	-4,868.75	-11,143.58	5,587.88	5,332.32	255.55	21.866		
13,700.00	7,321.00	17,365.00	7,068.05	174.88	281.92	82.85	-4,868.75	-11,143.58	5,493.91	5,235.64	258.27	21.272		
13,800.00	7,321.00	17,365.00	7,068.05	176.59	281.92	82.85	-4,868.75	-11,143.58	5,400.16	5,139.08	261.08	20.684		
13,900.00	7,321.00	17,365.00	7,068.05	178.33	281.92	82.85	-4,868.75	-11,143.58	5,306.64	5,042.66	263.98	20.102		
14,000.00	7,321.00	17,365.00	7,068.05	180.09	281.92	82.85	-4,868.75	-11,143.58	5,213.36	4,946.38	266.98	19.527		
14,100.00	7,321.00	17,365.00	7,068.05	181.88	281.92	82.85	-4,868.75	-11,143.58	5,120.33	4,850.25	270.09	18.958		
14,200.00	7,321.00	17,365.00	7,068.05	183.70	281.92	82.85	-4,868.75	-11,143.58	5,027.57	4,754.27	273.30	18.396		
14,300.00	7,321.00	17,365.00	7,068.05	185.54	281.92	82.85	-4,868.75	-11,143.58	4,935.10	4,658.47	276.63	17.840		
14,400.00	7,321.00	17,365.00	7,068.05	187.40	281.92	82.85	-4,868.75	-11,143.58	4,842.92	4,562.85	280.07	17.292		
14,500.00	7,321.00	17,365.00	7,068.05	189.29	281.92	82.85	-4,868.75	-11,143.58	4,751.06	4,467.42	283.64	16.750		
14,600.00	7,321.00	17,365.00	7,068.05	191.20	281.92	82.85	-4,868.75	-11,143.58	4,659.53	4,372.20	287.34	16.216		
14,700.00	7,321.00	17,365.00	7,068.05	193.13	281.92	82.85	-4,868.75	-11,143.58	4,568.36	4,277.19	291.17	15.690		
14,800.00	7,321.00	17,365.00	7,068.05	195.08	281.92	82.85	-4,868.75	-11,143.58	4,477.57	4,182.43	295.14	15.171		
14,900.00	7,321.00	17,365.00	7,068.05	197.05	281.92	82.85	-4,868.75	-11,143.58	4,387.18	4,087.91	299.27	14.660		
15,000.00	7,321.00	17,365.00	7,068.05	199.04	281.92	82.85	-4,868.75	-11,143.58	4,297.21	3,993.67	303.54	14.157		
15,100.00	7,321.00	17,365.00	7,068.05	201.06	281.92	82.85	-4,868.75	-11,143.58	4,207.69	3,899.71	307.98	13.662		
15,200.00	7,321.00	17,365.00	7,068.05	203.09	281.92	82.85	-4,868.75	-11,143.58	4,118.66	3,806.07	312.59	13.176		
15,300.00	7,321.00	17,365.00	7,068.05	205.14	281.92	82.85	-4,868.75	-11,143.58	4,030.15	3,712.77	317.37	12.698		
15,400.00	7,321.00	17,365.00	7,068.05	207.21	281.92	82.85	-4,868.75	-11,143.58	3,942.18	3,619.84	322.34	12.230		
15,500.00	7,321.00	17,365.00	7,068.05	209.29	281.92	82.85	-4,868.75	-11,143.58	3,854.80	3,527.30	327.50	11.770		
15,600.00	7,321.00	17,365.00	7,068.05	211.39	281.92	82.85	-4,868.75	-11,143.58	3,768.04	3,435.19	332.85	11.320		
15,700.00	7,321.00	17,365.00	7,068.05	213.51	281.92	82.85	-4,868.75	-11,143.58	3,681.96	3,343.54	338.42	10.880		
15,800.00	7,321.00	17,365.00	7,068.05	215.65	281.92	82.85	-4,868.75	-11,143.58	3,596.60	3,252.40	344.20	10.449		
15,900.00	7,321.00	17,365.00	7,068.05	217.80	281.92	82.85	-4,868.75	-11,143.58	3,512.01	3,161.81	350.20	10.029		
16,000.00	7,321.00	17,365.00	7,068.05	219.96	281.92	82.85	-4,868.75	-11,143.58	3,428.25	3,071.83	356.42	9.618		
16,100.00	7,321.00	17,365.00	7,068.05	222.14	281.92	82.85	-4,868.75	-11,143.58	3,345.38	2,982.50	362.89	9.219		
16,200.00	7,321.00	17,365.00	7,068.05	224.34	281.92	82.85	-4,868.75	-11,143.58	3,263.48	2,893.89	369.59	8.830		
16,300.00	7,321.00	17,365.00	7,068.05	226.55	281.92	82.85	-4,868.75	-11,143.58	3,182.60	2,806.07	376.54	8.452		
16,400.00	7,321.00	17,365.00	7,068.05	228.77	281.92	82.85	-4,868.75	-11,143.58	3,102.85	2,719.12	383.73	8.086		
16,500.00	7,321.00	17,365.00	7,068.05	231.00	281.92	82.85	-4,868.75	-11,143.58	3,024.29	2,633.12	391.18	7.731		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1585-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
16,600.00	7,321.00	17,365.00	7,068.05	233.25	281.92	82.85	-4,868.75	-11,143.58	2,947.04	2,548.17	398.87	7.389		
16,700.00	7,321.00	17,365.00	7,068.05	235.51	281.92	82.85	-4,868.75	-11,143.58	2,871.19	2,464.39	406.80	7.058		
16,800.00	7,321.00	17,365.00	7,068.05	237.78	281.92	82.85	-4,868.75	-11,143.58	2,796.86	2,381.89	414.97	6.740		
16,900.00	7,321.00	17,365.00	7,068.05	240.06	281.92	82.85	-4,868.75	-11,143.58	2,724.17	2,300.81	423.36	6.435		
17,000.00	7,321.00	17,365.00	7,068.05	242.35	281.92	82.85	-4,868.75	-11,143.58	2,653.26	2,221.31	431.95	6.143		
17,100.00	7,321.00	17,365.00	7,068.05	244.66	281.92	82.85	-4,868.75	-11,143.58	2,584.28	2,143.56	440.72	5.864		
17,200.00	7,321.00	17,365.00	7,068.05	246.97	281.92	82.85	-4,868.75	-11,143.58	2,517.38	2,067.74	449.64	5.599		
17,300.00	7,321.00	17,365.00	7,068.05	249.29	281.92	82.85	-4,868.75	-11,143.58	2,452.73	1,994.07	458.66	5.348		
17,400.00	7,321.00	17,365.00	7,068.05	251.63	281.92	82.85	-4,868.75	-11,143.58	2,390.51	1,922.78	467.73	5.111		
17,500.00	7,321.00	17,365.00	7,068.05	253.97	281.92	82.85	-4,868.75	-11,143.58	2,330.93	1,854.14	476.79	4.889		
17,600.00	7,321.00	17,365.00	7,068.05	256.32	281.92	82.85	-4,868.75	-11,143.58	2,274.19	1,788.42	485.77	4.682		
17,700.00	7,321.00	17,365.00	7,068.05	258.68	281.92	82.85	-4,868.75	-11,143.58	2,220.50	1,725.93	494.58	4.490		
17,800.00	7,321.00	17,365.00	7,068.05	261.05	281.92	82.85	-4,868.75	-11,143.58	2,170.10	1,666.99	503.11	4.313		
17,900.00	7,321.00	17,365.00	7,068.05	263.43	281.92	82.85	-4,868.75	-11,143.58	2,123.21	1,611.95	511.25	4.153		
18,000.00	7,321.00	17,365.00	7,068.05	265.81	281.92	82.85	-4,868.75	-11,143.58	2,080.07	1,561.19	518.88	4.009		
18,100.00	7,321.00	17,365.00	7,068.05	268.21	281.92	82.85	-4,868.75	-11,143.58	2,040.93	1,515.06	525.87	3.881		
18,200.00	7,321.00	17,365.00	7,068.05	270.61	281.92	82.85	-4,868.75	-11,143.58	2,006.01	1,473.94	532.07	3.770		
18,300.00	7,321.00	17,365.00	7,068.05	273.02	281.92	82.85	-4,868.75	-11,143.58	1,975.54	1,438.20	537.34	3.677		
18,400.00	7,321.00	17,365.00	7,068.05	275.43	281.92	82.85	-4,868.75	-11,143.58	1,949.73	1,408.18	541.55	3.600		
18,500.00	7,321.00	17,365.00	7,068.05	277.86	281.92	82.85	-4,868.75	-11,143.58	1,928.77	1,384.19	544.58	3.542		
18,600.00	7,321.00	17,365.00	7,068.05	280.28	281.92	82.85	-4,868.75	-11,143.58	1,912.81	1,366.50	546.31	3.501		
18,700.00	7,321.00	17,365.00	7,068.05	282.72	281.92	82.85	-4,868.75	-11,143.58	1,901.98	1,355.31	546.67	3.479		
18,800.00	7,321.00	17,365.00	7,068.05	285.16	281.92	82.85	-4,868.75	-11,143.58	1,896.37	1,350.75	545.62	3.476		
18,856.55	7,321.00	17,365.00	7,068.05	286.55	281.92	82.85	-4,868.75	-11,143.58	1,895.53	1,351.14	544.39	3.482		
18,900.00	7,321.00	17,325.89	7,067.68	287.61	280.86	82.84	-4,868.64	-11,182.69	1,895.62	1,351.38	544.24	3.483		
19,000.00	7,321.00	17,217.19	7,066.33	290.06	277.91	82.80	-4,868.54	-11,291.38	1,895.71	1,351.34	544.38	3.482		
19,087.13	7,321.00	17,134.39	7,064.22	292.21	275.67	82.73	-4,868.88	-11,374.16	1,895.51	1,351.35	544.16	3.483		
19,100.00	7,321.00	17,123.10	7,063.85	292.52	275.36	82.72	-4,868.90	-11,385.44	1,895.51	1,351.41	544.10	3.484		
19,200.00	7,321.00	17,037.37	7,060.53	294.99	273.04	82.62	-4,868.80	-11,471.10	1,895.96	1,352.40	543.55	3.488		
19,300.00	7,321.00	16,948.40	7,057.34	297.46	270.62	82.53	-4,868.01	-11,560.00	1,897.14	1,354.05	543.09	3.493		
19,400.00	7,321.00	16,859.48	7,057.03	299.94	268.21	82.53	-4,866.40	-11,648.91	1,898.82	1,356.10	542.72	3.499		
19,500.00	7,321.00	16,761.91	7,056.16	302.42	265.56	82.51	-4,864.15	-11,746.45	1,901.05	1,358.46	542.59	3.504		
19,600.00	7,321.00	16,663.00	7,054.67	304.90	262.88	82.47	-4,862.16	-11,845.33	1,903.08	1,360.61	542.48	3.508		
19,700.00	7,321.00	16,569.49	7,052.33	307.40	260.34	82.41	-4,860.06	-11,938.78	1,905.48	1,363.32	542.16	3.515		
19,800.00	7,321.00	16,411.03	7,050.70	309.89	256.04	82.37	-4,858.17	-12,097.19	1,906.72	1,363.02	543.70	3.507		
19,900.00	7,321.00	16,291.10	7,051.00	312.39	252.79	82.37	-4,858.63	-12,217.13	1,906.25	1,362.12	544.13	3.503		
20,000.00	7,321.00	16,178.96	7,051.39	314.90	249.76	82.37	-4,861.11	-12,329.24	1,903.78	1,359.43	544.35	3.497		
20,100.00	7,321.00	16,047.57	7,051.38	317.41	246.21	82.36	-4,864.65	-12,460.58	1,901.02	1,356.17	544.84	3.489		
20,200.00	7,321.00	15,952.15	7,051.77	319.92	243.64	82.35	-4,868.08	-12,555.93	1,897.24	1,352.48	544.76	3.483		
20,300.00	7,321.00	15,865.49	7,051.54	322.44	241.30	82.34	-4,870.82	-12,642.54	1,893.98	1,349.47	544.51	3.478		
20,400.00	7,321.00	15,757.23	7,051.08	324.96	238.37	82.31	-4,874.25	-12,750.75	1,890.72	1,346.13	544.59	3.472		
20,500.00	7,321.00	15,665.90	7,050.50	327.49	235.91	82.28	-4,876.98	-12,842.04	1,887.67	1,343.27	544.40	3.467		
20,600.00	7,321.00	15,556.03	7,051.83	330.02	232.94	82.30	-4,880.37	-12,951.84	1,884.27	1,339.68	544.59	3.460		
20,700.00	7,321.00	15,467.78	7,052.31	332.55	230.56	82.31	-4,882.87	-13,040.05	1,881.22	1,336.83	544.39	3.456		
20,800.00	7,321.00	15,375.43	7,052.10	335.09	228.07	82.29	-4,885.34	-13,132.37	1,878.44	1,334.22	544.22	3.452 SF		
20,900.00	7,321.00	15,302.00	7,052.70	337.63	226.08	82.30	-4,886.38	-13,205.79	1,876.76	1,333.08	543.68	3.452		
20,988.44	7,321.00	15,232.28	7,053.88	339.88	224.20	82.34	-4,886.43	-13,275.50	1,876.35	1,333.07	543.27	3.454 CC, ES		
21,000.00	7,321.00	15,223.03	7,054.05	340.17	223.95	82.34	-4,886.38	-13,284.75	1,876.35	1,333.13	543.22	3.454		
21,100.00	7,321.00	15,162.90	7,055.17	342.72	222.32	82.38	-4,885.52	-13,344.86	1,877.44	1,335.31	542.13	3.463		
21,200.00	7,321.00	15,097.80	7,056.25	345.27	220.56	82.42	-4,882.95	-13,409.90	1,880.85	1,339.85	540.99	3.477		
21,300.00	7,321.00	14,971.84	7,057.30	347.82	217.14	82.47	-4,878.62	-13,535.78	1,883.90	1,341.97	541.93	3.476		
21,400.00	7,321.00	14,867.83	7,056.40	350.38	214.32	82.46	-4,875.75	-13,639.75	1,886.59	1,344.57	542.03	3.481		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 5-T6N-R67W - MICKEY 12 - ORIGINAL WELLBORE - WB #1 - Patterson 346												Offset Site Error:	0.00 usft
Survey Program: 1585-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
21,500.00	7,321.00	14,749.22	7,053.83	352.94	211.11	82.39	-4,873.41	-13,758.30	1,888.69	1,346.20	542.49	3.482	
21,600.00	7,321.00	14,626.95	7,050.94	355.50	207.80	82.30	-4,872.59	-13,880.53	1,889.48	1,346.51	542.97	3.480	
21,700.00	7,321.00	14,546.00	7,051.08	358.07	205.61	82.31	-4,871.82	-13,961.47	1,890.26	1,347.80	542.46	3.485	
21,746.26	7,321.00	14,512.10	7,051.61	359.25	204.69	82.33	-4,871.14	-13,995.36	1,891.01	1,348.89	542.12	3.488	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1583-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
6,300.00	4,604.91	17,484.00	7,343.44	71.98	282.45	83.17	-5,039.18	-11,119.72	10,092.59	9,980.13	112.46	89.747		
6,400.00	4,666.26	17,484.00	7,343.44	73.44	282.45	83.17	-5,039.18	-11,119.72	10,035.85	9,923.45	112.40	89.289		
6,500.00	4,727.62	17,484.00	7,343.44	74.89	282.45	83.17	-5,039.18	-11,119.72	9,979.79	9,867.44	112.35	88.828		
6,600.00	4,788.97	17,484.00	7,343.44	76.34	282.45	83.17	-5,039.18	-11,119.72	9,924.42	9,812.10	112.32	88.362		
6,700.00	4,850.33	17,484.00	7,343.44	77.79	282.45	83.17	-5,039.18	-11,119.72	9,869.75	9,757.46	112.30	87.890		
6,800.00	4,911.68	17,484.00	7,343.44	79.24	282.45	83.17	-5,039.18	-11,119.72	9,815.80	9,703.51	112.30	87.409		
6,900.00	4,973.04	17,484.00	7,343.44	80.70	282.45	83.17	-5,039.18	-11,119.72	9,762.58	9,650.26	112.32	86.918		
7,000.00	5,034.39	17,484.00	7,343.44	82.15	282.45	83.17	-5,039.18	-11,119.72	9,710.09	9,597.72	112.37	86.413		
7,100.00	5,095.75	17,484.00	7,343.44	83.60	282.45	83.17	-5,039.18	-11,119.72	9,658.35	9,545.90	112.45	85.891		
7,200.00	5,157.10	17,484.00	7,343.44	85.05	282.45	83.17	-5,039.18	-11,119.72	9,607.38	9,494.81	112.57	85.349		
7,300.00	5,218.46	17,484.00	7,343.44	86.51	282.45	83.17	-5,039.18	-11,119.72	9,557.18	9,444.45	112.73	84.782		
7,400.00	5,279.81	17,484.00	7,343.44	87.96	282.45	83.17	-5,039.18	-11,119.72	9,507.76	9,394.82	112.94	84.186		
7,500.00	5,341.17	17,484.00	7,343.44	89.41	282.45	83.17	-5,039.18	-11,119.72	9,459.15	9,345.94	113.21	83.554		
7,600.00	5,402.52	17,484.00	7,343.44	90.87	282.45	83.17	-5,039.18	-11,119.72	9,411.34	9,297.79	113.55	82.881		
7,700.00	5,463.88	17,484.00	7,343.44	92.32	282.45	83.17	-5,039.18	-11,119.72	9,364.36	9,250.39	113.98	82.161		
7,800.00	5,525.23	17,484.00	7,343.44	93.77	282.45	83.17	-5,039.18	-11,119.72	9,318.22	9,203.73	114.50	81.385		
7,900.00	5,586.59	17,484.00	7,343.44	95.23	282.45	83.17	-5,039.18	-11,119.72	9,272.93	9,157.80	115.12	80.547		
8,000.00	5,647.94	17,484.00	7,343.44	96.68	282.45	83.17	-5,039.18	-11,119.72	9,228.49	9,112.62	115.88	79.640		
8,100.00	5,709.30	17,484.00	7,343.44	98.13	282.45	83.17	-5,039.18	-11,119.72	9,184.93	9,068.16	116.77	78.656		
8,200.00	5,770.65	17,484.00	7,343.44	99.59	282.45	83.17	-5,039.18	-11,119.72	9,142.26	9,024.43	117.83	77.591		
8,300.00	5,832.01	17,484.00	7,343.44	101.04	282.45	83.17	-5,039.18	-11,119.72	9,100.49	8,981.43	119.05	76.440		
8,400.00	5,893.36	17,484.00	7,343.44	102.49	282.45	83.17	-5,039.18	-11,119.72	9,059.62	8,939.15	120.47	75.202		
8,500.00	5,954.72	17,484.00	7,343.44	103.95	282.45	83.17	-5,039.18	-11,119.72	9,019.69	8,897.60	122.09	73.879		
8,600.00	6,016.07	17,484.00	7,343.44	105.40	282.45	83.17	-5,039.18	-11,119.72	8,980.68	8,856.77	123.91	72.478		
8,700.00	6,077.43	17,484.00	7,343.44	106.86	282.45	83.17	-5,039.18	-11,119.72	8,942.63	8,816.69	125.94	71.006		
8,800.00	6,138.78	17,484.00	7,343.44	108.31	282.45	83.17	-5,039.18	-11,119.72	8,905.53	8,777.35	128.18	69.476		
8,900.00	6,200.13	17,484.00	7,343.44	109.76	282.45	83.17	-5,039.18	-11,119.72	8,869.41	8,738.79	130.62	67.901		
9,000.00	6,261.49	17,484.00	7,343.44	111.22	282.45	83.17	-5,039.18	-11,119.72	8,834.27	8,701.02	133.26	66.296		
9,100.00	6,322.84	17,484.00	7,343.44	112.67	282.45	83.17	-5,039.18	-11,119.72	8,800.13	8,664.06	136.07	64.676		
9,200.00	6,384.20	17,484.00	7,343.44	114.13	282.45	83.17	-5,039.18	-11,119.72	8,767.00	8,627.96	139.04	63.054		
9,300.00	6,445.55	17,484.00	7,343.44	115.58	282.45	83.17	-5,039.18	-11,119.72	8,734.88	8,592.72	142.16	61.444		
9,400.00	6,506.91	17,484.00	7,343.44	117.03	282.45	83.17	-5,039.18	-11,119.72	8,703.80	8,558.38	145.41	59.855		
9,500.00	6,568.26	17,484.00	7,343.44	118.49	282.45	83.17	-5,039.18	-11,119.72	8,673.75	8,524.97	148.79	58.296		
9,600.00	6,629.62	17,484.00	7,343.44	119.94	282.45	83.17	-5,039.18	-11,119.72	8,644.76	8,492.50	152.27	56.774		
9,700.00	6,690.97	17,484.00	7,343.44	121.40	282.45	83.17	-5,039.18	-11,119.72	8,616.84	8,461.00	155.84	55.294		
9,800.00	6,752.33	17,484.00	7,343.44	122.85	282.45	83.17	-5,039.18	-11,119.72	8,589.98	8,430.49	159.49	53.860		
9,900.00	6,813.68	17,484.00	7,343.44	124.31	282.45	83.17	-5,039.18	-11,119.72	8,564.21	8,401.00	163.21	52.474		
10,000.00	6,875.04	17,484.00	7,343.44	125.76	282.45	83.17	-5,039.18	-11,119.72	8,539.53	8,372.54	166.99	51.138		
10,100.00	6,936.39	17,484.00	7,343.44	127.22	282.45	83.17	-5,039.18	-11,119.72	8,515.96	8,345.13	170.82	49.852		
10,200.00	6,997.75	17,484.00	7,343.44	128.67	282.45	83.17	-5,039.18	-11,119.72	8,493.50	8,318.79	174.70	48.616		
10,300.00	7,059.10	17,484.00	7,343.44	130.13	282.45	83.17	-5,039.18	-11,119.72	8,472.16	8,293.53	178.62	47.430		
10,400.00	7,118.86	17,484.00	7,343.44	131.62	282.45	77.26	-5,039.18	-11,119.72	8,445.35	8,262.79	182.56	46.261		
10,500.00	7,173.55	17,484.00	7,343.44	133.17	282.45	71.98	-5,039.18	-11,119.72	8,403.51	8,217.10	186.41	45.081		
10,600.00	7,221.49	17,484.00	7,343.44	134.72	282.45	68.32	-5,039.18	-11,119.72	8,347.58	8,157.52	190.06	43.921		
10,700.00	7,261.21	17,484.00	7,343.44	136.22	282.45	66.50	-5,039.18	-11,119.72	8,279.00	8,085.61	193.39	42.810		
10,800.00	7,291.51	17,484.00	7,343.44	137.61	282.45	66.98	-5,039.18	-11,119.72	8,199.56	8,003.27	196.28	41.774		
10,900.00	7,311.47	17,484.00	7,343.44	138.86	282.45	71.10	-5,039.18	-11,119.72	8,111.39	7,912.74	198.65	40.833		
11,000.00	7,320.48	17,484.00	7,343.44	139.92	282.45	83.65	-5,039.18	-11,119.72	8,016.94	7,816.55	200.38	40.008		
11,100.00	7,321.00	17,484.00	7,343.44	140.82	282.45	91.32	-5,039.18	-11,119.72	7,919.41	7,717.80	201.61	39.281		
11,200.00	7,321.00	17,484.00	7,343.44	141.74	282.45	91.32	-5,039.18	-11,119.72	7,821.81	7,618.97	202.83	38.563		
11,300.00	7,321.00	17,484.00	7,343.44	142.69	282.45	91.32	-5,039.18	-11,119.72	7,724.26	7,520.17	204.09	37.848		
11,400.00	7,321.00	17,484.00	7,343.44	143.67	282.45	91.32	-5,039.18	-11,119.72	7,626.77	7,421.40	205.37	37.136		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1583-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,500.00	7,321.00	17,484.00	7,343.44	144.68	282.45	91.32	-5,039.18	-11,119.72	7,529.36	7,322.66	206.70	36.427		
11,600.00	7,321.00	17,484.00	7,343.44	145.73	282.45	91.32	-5,039.18	-11,119.72	7,432.01	7,223.95	208.05	35.722		
11,700.00	7,321.00	17,484.00	7,343.44	146.80	282.45	91.32	-5,039.18	-11,119.72	7,334.73	7,125.28	209.45	35.019		
11,800.00	7,321.00	17,484.00	7,343.44	147.91	282.45	91.32	-5,039.18	-11,119.72	7,237.52	7,026.64	210.88	34.320		
11,900.00	7,321.00	17,484.00	7,343.44	149.05	282.45	91.32	-5,039.18	-11,119.72	7,140.40	6,928.04	212.36	33.624		
12,000.00	7,321.00	17,484.00	7,343.44	150.22	282.45	91.32	-5,039.18	-11,119.72	7,043.35	6,829.48	213.87	32.932		
12,100.00	7,321.00	17,484.00	7,343.44	151.42	282.45	91.32	-5,039.18	-11,119.72	6,946.39	6,730.95	215.43	32.244		
12,200.00	7,321.00	17,484.00	7,343.44	152.66	282.45	91.32	-5,039.18	-11,119.72	6,849.51	6,632.47	217.04	31.559		
12,300.00	7,321.00	17,484.00	7,343.44	153.93	282.45	91.32	-5,039.18	-11,119.72	6,752.73	6,534.04	218.69	30.878		
12,400.00	7,321.00	17,484.00	7,343.44	155.22	282.45	91.32	-5,039.18	-11,119.72	6,656.04	6,435.65	220.39	30.201		
12,500.00	7,321.00	17,484.00	7,343.44	156.55	282.45	91.32	-5,039.18	-11,119.72	6,559.45	6,337.31	222.14	29.528		
12,600.00	7,321.00	17,484.00	7,343.44	157.91	282.45	91.32	-5,039.18	-11,119.72	6,462.96	6,239.01	223.95	28.859		
12,700.00	7,321.00	17,484.00	7,343.44	159.31	282.45	91.32	-5,039.18	-11,119.72	6,366.59	6,140.78	225.81	28.195		
12,800.00	7,321.00	17,484.00	7,343.44	160.73	282.45	91.32	-5,039.18	-11,119.72	6,270.32	6,042.59	227.73	27.534		
12,900.00	7,321.00	17,484.00	7,343.44	162.18	282.45	91.32	-5,039.18	-11,119.72	6,174.18	5,944.47	229.71	26.879		
13,000.00	7,321.00	17,484.00	7,343.44	163.67	282.45	91.32	-5,039.18	-11,119.72	6,078.16	5,846.41	231.75	26.228		
13,100.00	7,321.00	17,484.00	7,343.44	165.18	282.45	91.32	-5,039.18	-11,119.72	5,982.26	5,748.41	233.85	25.581		
13,200.00	7,321.00	17,484.00	7,343.44	166.73	282.45	91.32	-5,039.18	-11,119.72	5,886.51	5,650.48	236.03	24.940		
13,300.00	7,321.00	17,484.00	7,343.44	168.30	282.45	91.32	-5,039.18	-11,119.72	5,790.90	5,552.63	238.27	24.303		
13,400.00	7,321.00	17,484.00	7,343.44	169.90	282.45	91.32	-5,039.18	-11,119.72	5,695.44	5,454.84	240.60	23.672		
13,500.00	7,321.00	17,484.00	7,343.44	171.53	282.45	91.32	-5,039.18	-11,119.72	5,600.14	5,357.14	243.00	23.046		
13,600.00	7,321.00	17,484.00	7,343.44	173.19	282.45	91.32	-5,039.18	-11,119.72	5,505.01	5,259.53	245.48	22.426		
13,700.00	7,321.00	17,484.00	7,343.44	174.88	282.45	91.32	-5,039.18	-11,119.72	5,410.05	5,162.00	248.05	21.811		
13,800.00	7,321.00	17,484.00	7,343.44	176.59	282.45	91.32	-5,039.18	-11,119.72	5,315.27	5,064.57	250.70	21.202		
13,900.00	7,321.00	17,484.00	7,343.44	178.33	282.45	91.32	-5,039.18	-11,119.72	5,220.69	4,967.24	253.45	20.598		
14,000.00	7,321.00	17,484.00	7,343.44	180.09	282.45	91.32	-5,039.18	-11,119.72	5,126.32	4,870.02	256.30	20.001		
14,100.00	7,321.00	17,484.00	7,343.44	181.88	282.45	91.32	-5,039.18	-11,119.72	5,032.16	4,772.91	259.26	19.410		
14,200.00	7,321.00	17,484.00	7,343.44	183.70	282.45	91.32	-5,039.18	-11,119.72	4,938.24	4,675.92	262.32	18.825		
14,300.00	7,321.00	17,484.00	7,343.44	185.54	282.45	91.32	-5,039.18	-11,119.72	4,844.55	4,579.06	265.49	18.248		
14,400.00	7,321.00	17,484.00	7,343.44	187.40	282.45	91.32	-5,039.18	-11,119.72	4,751.13	4,482.34	268.79	17.676		
14,500.00	7,321.00	17,484.00	7,343.44	189.29	282.45	91.32	-5,039.18	-11,119.72	4,657.98	4,385.77	272.20	17.112		
14,600.00	7,321.00	17,484.00	7,343.44	191.20	282.45	91.32	-5,039.18	-11,119.72	4,565.11	4,289.36	275.76	16.555		
14,700.00	7,321.00	17,484.00	7,343.44	193.13	282.45	91.32	-5,039.18	-11,119.72	4,472.56	4,193.11	279.44	16.005		
14,800.00	7,321.00	17,484.00	7,343.44	195.08	282.45	91.32	-5,039.18	-11,119.72	4,380.33	4,097.05	283.28	15.463		
14,900.00	7,321.00	17,484.00	7,343.44	197.05	282.45	91.32	-5,039.18	-11,119.72	4,288.45	4,001.19	287.26	14.929		
15,000.00	7,321.00	17,484.00	7,343.44	199.04	282.45	91.32	-5,039.18	-11,119.72	4,196.94	3,905.53	291.41	14.402		
15,100.00	7,321.00	17,484.00	7,343.44	201.06	282.45	91.32	-5,039.18	-11,119.72	4,105.83	3,810.11	295.73	13.884		
15,200.00	7,321.00	17,484.00	7,343.44	203.09	282.45	91.32	-5,039.18	-11,119.72	4,015.14	3,714.92	300.22	13.374		
15,300.00	7,321.00	17,484.00	7,343.44	205.14	282.45	91.32	-5,039.18	-11,119.72	3,924.91	3,620.01	304.90	12.873		
15,400.00	7,321.00	17,484.00	7,343.44	207.21	282.45	91.32	-5,039.18	-11,119.72	3,835.16	3,525.39	309.77	12.381		
15,500.00	7,321.00	17,484.00	7,343.44	209.29	282.45	91.32	-5,039.18	-11,119.72	3,745.92	3,431.08	314.85	11.898		
15,600.00	7,321.00	17,484.00	7,343.44	211.39	282.45	91.32	-5,039.18	-11,119.72	3,657.25	3,337.11	320.14	11.424		
15,700.00	7,321.00	17,484.00	7,343.44	213.51	282.45	91.32	-5,039.18	-11,119.72	3,569.17	3,243.51	325.66	10.960		
15,800.00	7,321.00	17,484.00	7,343.44	215.65	282.45	91.32	-5,039.18	-11,119.72	3,481.74	3,150.33	331.41	10.506		
15,900.00	7,321.00	17,484.00	7,343.44	217.80	282.45	91.32	-5,039.18	-11,119.72	3,395.00	3,057.59	337.41	10.062		
16,000.00	7,321.00	17,484.00	7,343.44	219.96	282.45	91.32	-5,039.18	-11,119.72	3,309.01	2,965.35	343.66	9.629		
16,100.00	7,321.00	17,484.00	7,343.44	222.14	282.45	91.32	-5,039.18	-11,119.72	3,223.82	2,873.64	350.18	9.206		
16,200.00	7,321.00	17,484.00	7,343.44	224.34	282.45	91.32	-5,039.18	-11,119.72	3,139.52	2,782.54	356.98	8.795		
16,300.00	7,321.00	17,484.00	7,343.44	226.55	282.45	91.32	-5,039.18	-11,119.72	3,056.16	2,692.09	364.06	8.395		
16,400.00	7,321.00	17,484.00	7,343.44	228.77	282.45	91.32	-5,039.18	-11,119.72	2,973.82	2,602.38	371.44	8.006		
16,500.00	7,321.00	17,484.00	7,343.44	231.00	282.45	91.32	-5,039.18	-11,119.72	2,892.60	2,513.48	379.12	7.630		
16,600.00	7,321.00	17,484.00	7,343.44	233.25	282.45	91.32	-5,039.18	-11,119.72	2,812.59	2,425.49	387.10	7.266		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1583-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
16,700.00	7,321.00	17,484.00	7,343.44	235.51	282.45	91.32	-5,039.18	-11,119.72	2,733.89	2,338.50	395.39	6.914		
16,800.00	7,321.00	17,484.00	7,343.44	237.78	282.45	91.32	-5,039.18	-11,119.72	2,656.63	2,252.65	403.98	6.576		
16,900.00	7,321.00	17,484.00	7,343.44	240.06	282.45	91.32	-5,039.18	-11,119.72	2,580.93	2,168.05	412.88	6.251		
17,000.00	7,321.00	17,484.00	7,343.44	242.35	282.45	91.32	-5,039.18	-11,119.72	2,506.93	2,084.88	422.05	5.940		
17,100.00	7,321.00	17,484.00	7,343.44	244.66	282.45	91.32	-5,039.18	-11,119.72	2,434.80	2,003.30	431.50	5.643		
17,200.00	7,321.00	17,484.00	7,343.44	246.97	282.45	91.32	-5,039.18	-11,119.72	2,364.69	1,923.50	441.19	5.360		
17,300.00	7,321.00	17,484.00	7,343.44	249.29	282.45	91.32	-5,039.18	-11,119.72	2,296.80	1,845.72	451.07	5.092		
17,400.00	7,321.00	17,484.00	7,343.44	251.63	282.45	91.32	-5,039.18	-11,119.72	2,231.32	1,770.21	461.11	4.839		
17,500.00	7,321.00	17,484.00	7,343.44	253.97	282.45	91.32	-5,039.18	-11,119.72	2,168.48	1,697.26	471.22	4.602		
17,600.00	7,321.00	17,484.00	7,343.44	256.32	282.45	91.32	-5,039.18	-11,119.72	2,108.51	1,627.17	481.34	4.381		
17,700.00	7,321.00	17,484.00	7,343.44	258.68	282.45	91.32	-5,039.18	-11,119.72	2,051.67	1,560.31	491.36	4.176		
17,800.00	7,321.00	17,484.00	7,343.44	261.05	282.45	91.32	-5,039.18	-11,119.72	1,998.21	1,497.06	501.15	3.987		
17,900.00	7,321.00	17,484.00	7,343.44	263.43	282.45	91.32	-5,039.18	-11,119.72	1,948.43	1,437.84	510.59	3.816		
18,000.00	7,321.00	17,484.00	7,343.44	265.81	282.45	91.32	-5,039.18	-11,119.72	1,902.60	1,383.10	519.51	3.662		
18,100.00	7,321.00	17,484.00	7,343.44	268.21	282.45	91.32	-5,039.18	-11,119.72	1,861.03	1,333.30	527.73	3.526		
18,200.00	7,321.00	17,484.00	7,343.44	270.61	282.45	91.32	-5,039.18	-11,119.72	1,823.99	1,288.92	535.07	3.409		
18,300.00	7,321.00	17,484.00	7,343.44	273.02	282.45	91.32	-5,039.18	-11,119.72	1,791.77	1,250.45	541.33	3.310		
18,400.00	7,321.00	17,484.00	7,343.44	275.43	282.45	91.32	-5,039.18	-11,119.72	1,764.65	1,218.32	546.32	3.230		
18,500.00	7,321.00	17,484.00	7,343.44	277.86	282.45	91.32	-5,039.18	-11,119.72	1,742.84	1,192.96	549.88	3.169		
18,600.00	7,321.00	17,484.00	7,343.44	280.28	282.45	91.32	-5,039.18	-11,119.72	1,726.56	1,174.71	551.85	3.129		
18,700.00	7,321.00	17,484.00	7,343.44	282.72	282.45	91.32	-5,039.18	-11,119.72	1,715.96	1,163.84	552.12	3.108		
18,800.00	7,321.00	17,459.02	7,343.32	285.16	281.77	91.32	-5,039.98	-11,144.68	1,710.97	1,159.82	551.16	3.104		
18,900.00	7,321.00	17,369.00	7,342.90	287.61	279.34	91.31	-5,042.64	-11,234.66	1,707.84	1,156.92	550.92	3.100		
19,000.00	7,321.00	17,295.37	7,342.10	290.06	277.35	91.28	-5,043.87	-11,308.28	1,705.95	1,155.67	550.27	3.100		
19,100.00	7,321.00	17,169.74	7,337.31	292.52	273.95	91.12	-5,045.82	-11,433.79	1,704.20	1,153.38	550.82	3.094		
19,200.00	7,321.00	17,079.99	7,331.57	294.99	271.52	90.93	-5,047.68	-11,523.33	1,701.84	1,151.29	550.55	3.091		
19,300.00	7,321.00	16,963.50	7,319.25	297.46	268.40	90.51	-5,050.68	-11,639.11	1,698.90	1,148.08	550.81	3.084		
19,400.00	7,321.00	16,876.71	7,308.34	299.94	266.07	90.15	-5,052.63	-11,725.19	1,696.37	1,145.94	550.43	3.082		
19,500.00	7,321.00	16,776.88	7,294.05	302.42	263.41	89.66	-5,054.82	-11,823.97	1,694.02	1,143.75	550.27	3.079 SF		
19,600.00	7,321.00	16,692.00	7,281.19	304.90	261.15	89.23	-5,056.19	-11,907.85	1,692.37	1,142.64	549.73	3.079		
19,700.00	7,321.00	16,601.25	7,267.52	307.40	258.73	88.76	-5,057.12	-11,997.57	1,691.44	1,142.17	549.26	3.079 ES		
19,765.10	7,321.00	16,545.81	7,259.67	309.02	257.24	88.50	-5,057.38	-12,052.44	1,691.24	1,142.40	548.84	3.081 CC		
19,800.00	7,321.00	16,515.73	7,255.67	309.89	256.44	88.36	-5,057.39	-12,082.25	1,691.30	1,142.67	548.62	3.083		
19,900.00	7,321.00	16,425.00	7,244.70	312.39	254.00	87.99	-5,057.09	-12,172.32	1,691.86	1,143.76	548.11	3.087		
20,000.00	7,321.00	16,338.20	7,237.31	314.90	251.66	87.74	-5,056.13	-12,258.79	1,693.13	1,145.63	547.50	3.092		
20,100.00	7,321.00	16,282.86	7,234.97	317.41	250.16	87.67	-5,054.55	-12,314.05	1,696.06	1,150.36	545.70	3.108		
20,200.00	7,321.00	16,236.00	7,234.32	319.92	248.89	87.65	-5,051.89	-12,360.83	1,701.79	1,158.64	543.15	3.133		
20,300.00	7,321.00	16,174.81	7,234.96	322.44	247.23	87.68	-5,046.71	-12,421.80	1,710.15	1,169.14	541.02	3.161		
20,400.00	7,321.00	16,042.16	7,235.85	324.96	243.64	87.72	-5,033.62	-12,553.75	1,720.14	1,177.30	542.84	3.169		
20,500.00	7,321.00	15,933.28	7,229.00	327.49	240.69	87.51	-5,025.73	-12,662.12	1,727.48	1,184.34	543.15	3.181		
20,600.00	7,321.00	15,820.94	7,221.91	330.02	237.64	87.28	-5,017.50	-12,773.92	1,735.01	1,191.42	543.59	3.192		
20,700.00	7,321.00	15,615.58	7,216.42	332.55	232.08	87.11	-5,011.04	-12,979.07	1,737.71	1,190.12	547.58	3.173		
20,800.00	7,321.00	15,511.51	7,210.93	335.09	229.26	86.93	-5,011.05	-13,083.00	1,737.79	1,190.23	547.56	3.174		
20,900.00	7,321.00	15,390.00	7,202.35	337.63	225.98	86.65	-5,011.78	-13,204.19	1,737.43	1,189.49	547.94	3.171		
21,000.00	7,321.00	15,296.00	7,194.47	340.17	223.45	86.38	-5,012.99	-13,297.85	1,736.49	1,188.93	547.57	3.171		
21,027.34	7,321.00	15,279.19	7,193.18	340.87	222.99	86.34	-5,013.07	-13,314.61	1,736.43	1,189.19	547.24	3.173		
21,100.00	7,321.00	15,225.98	7,189.80	342.72	221.55	86.23	-5,012.91	-13,367.71	1,736.84	1,190.29	546.55	3.178		
21,200.00	7,321.00	15,137.33	7,186.61	345.27	219.15	86.13	-5,011.54	-13,456.29	1,738.44	1,192.36	546.08	3.183		
21,300.00	7,321.00	15,018.59	7,185.90	347.82	215.94	86.11	-5,009.73	-13,575.01	1,739.86	1,193.20	546.66	3.183		
21,400.00	7,321.00	14,877.65	7,183.07	350.38	212.13	86.01	-5,010.88	-13,715.90	1,738.87	1,191.19	547.68	3.175		
21,500.00	7,321.00	14,783.28	7,178.12	352.94	209.58	85.84	-5,012.55	-13,810.13	1,737.32	1,189.92	547.40	3.174		
21,600.00	7,321.00	14,655.49	7,170.10	355.50	206.14	85.57	-5,015.00	-13,937.64	1,735.85	1,188.07	547.78	3.169		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 5-T6N-R67W - MICKEY 13 - ORIGINAL WELLBORE - WB #1 - Patterson 346												Offset Site Error:	0.00 usft
Survey Program: 1583-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
21,700.00	7,321.00	14,576.83	7,164.40	358.07	204.02	85.38	-5,017.41	-14,016.05	1,733.27	1,186.13	547.14	3.168	
21,746.26	7,321.00	14,543.00	7,162.60	359.25	203.11	85.32	-5,017.90	-14,049.83	1,732.71	1,185.94	546.78	3.169	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1652-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,800.00	7,321.00	17,140.00	7,404.68	147.91	269.49	-119.29	-6,934.66	-14,198.67	10,110.59	9,957.03	153.55	65.845		
11,900.00	7,321.00	17,140.00	7,404.68	149.05	269.49	-119.29	-6,934.66	-14,198.67	10,010.61	9,857.09	153.52	65.207		
12,000.00	7,321.00	17,140.00	7,404.68	150.22	269.49	-119.29	-6,934.66	-14,198.67	9,910.63	9,757.15	153.49	64.569		
12,100.00	7,321.00	17,140.00	7,404.68	151.42	269.49	-119.29	-6,934.66	-14,198.67	9,810.66	9,657.20	153.46	63.931		
12,200.00	7,321.00	17,140.00	7,404.68	152.66	269.49	-119.29	-6,934.66	-14,198.67	9,710.68	9,557.26	153.42	63.293		
12,300.00	7,321.00	17,140.00	7,404.68	153.93	269.49	-119.29	-6,934.66	-14,198.67	9,610.71	9,457.32	153.39	62.655		
12,400.00	7,321.00	17,140.00	7,404.68	155.22	269.49	-119.29	-6,934.66	-14,198.67	9,510.74	9,357.38	153.36	62.017		
12,500.00	7,321.00	17,140.00	7,404.68	156.55	269.49	-119.29	-6,934.66	-14,198.67	9,410.76	9,257.44	153.32	61.379		
12,600.00	7,321.00	17,140.00	7,404.68	157.91	269.49	-119.29	-6,934.66	-14,198.67	9,310.79	9,157.50	153.29	60.741		
12,700.00	7,321.00	17,140.00	7,404.68	159.31	269.49	-119.29	-6,934.66	-14,198.67	9,210.82	9,057.56	153.25	60.103		
12,800.00	7,321.00	17,140.00	7,404.68	160.73	269.49	-119.29	-6,934.66	-14,198.67	9,110.84	8,957.63	153.22	59.464		
12,900.00	7,321.00	17,140.00	7,404.68	162.18	269.49	-119.29	-6,934.66	-14,198.67	9,010.87	8,857.70	153.18	58.826		
13,000.00	7,321.00	17,140.00	7,404.68	163.67	269.49	-119.29	-6,934.66	-14,198.67	8,910.90	8,757.76	153.14	58.188		
13,100.00	7,321.00	17,140.00	7,404.68	165.18	269.49	-119.29	-6,934.66	-14,198.67	8,810.93	8,657.83	153.10	57.550		
13,200.00	7,321.00	17,140.00	7,404.68	166.73	269.49	-119.29	-6,934.66	-14,198.67	8,710.96	8,557.90	153.06	56.911		
13,300.00	7,321.00	17,140.00	7,404.68	168.30	269.49	-119.29	-6,934.66	-14,198.67	8,611.00	8,457.97	153.02	56.273		
13,400.00	7,321.00	17,140.00	7,404.68	169.90	269.49	-119.29	-6,934.66	-14,198.67	8,511.03	8,358.05	152.98	55.634		
13,500.00	7,321.00	17,140.00	7,404.68	171.53	269.49	-119.29	-6,934.66	-14,198.67	8,411.06	8,258.12	152.94	54.996		
13,600.00	7,321.00	17,140.00	7,404.68	173.19	269.49	-119.29	-6,934.66	-14,198.67	8,311.10	8,158.20	152.90	54.358		
13,700.00	7,321.00	17,140.00	7,404.68	174.88	269.49	-119.29	-6,934.66	-14,198.67	8,211.13	8,058.28	152.85	53.719		
13,800.00	7,321.00	17,140.00	7,404.68	176.59	269.49	-119.29	-6,934.66	-14,198.67	8,111.17	7,958.36	152.81	53.081		
13,900.00	7,321.00	17,140.00	7,404.68	178.33	269.49	-119.29	-6,934.66	-14,198.67	8,011.20	7,858.44	152.76	52.442		
14,000.00	7,321.00	17,140.00	7,404.68	180.09	269.49	-119.29	-6,934.66	-14,198.67	7,911.24	7,758.52	152.72	51.803		
14,100.00	7,321.00	17,140.00	7,404.68	181.88	269.49	-119.29	-6,934.66	-14,198.67	7,811.28	7,658.61	152.67	51.165		
14,200.00	7,321.00	17,140.00	7,404.68	183.70	269.49	-119.29	-6,934.66	-14,198.67	7,711.32	7,558.70	152.62	50.526		
14,300.00	7,321.00	17,140.00	7,404.68	185.54	269.49	-119.29	-6,934.66	-14,198.67	7,611.36	7,458.79	152.57	49.888		
14,400.00	7,321.00	17,140.00	7,404.68	187.40	269.49	-119.29	-6,934.66	-14,198.67	7,511.40	7,358.88	152.52	49.249		
14,500.00	7,321.00	17,140.00	7,404.68	189.29	269.49	-119.29	-6,934.66	-14,198.67	7,411.44	7,258.98	152.47	48.610		
14,600.00	7,321.00	17,140.00	7,404.68	191.20	269.49	-119.29	-6,934.66	-14,198.67	7,311.49	7,159.07	152.41	47.971		
14,700.00	7,321.00	17,140.00	7,404.68	193.13	269.49	-119.29	-6,934.66	-14,198.67	7,211.53	7,059.17	152.36	47.333		
14,800.00	7,321.00	17,140.00	7,404.68	195.08	269.49	-119.29	-6,934.66	-14,198.67	7,111.58	6,959.28	152.30	46.694		
14,900.00	7,321.00	17,140.00	7,404.68	197.05	269.49	-119.29	-6,934.66	-14,198.67	7,011.63	6,859.38	152.24	46.055		
15,000.00	7,321.00	17,140.00	7,404.68	199.04	269.49	-119.29	-6,934.66	-14,198.67	6,911.68	6,759.49	152.19	45.416		
15,100.00	7,321.00	17,140.00	7,404.68	201.06	269.49	-119.29	-6,934.66	-14,198.67	6,811.73	6,659.60	152.12	44.777		
15,200.00	7,321.00	17,140.00	7,404.68	203.09	269.49	-119.29	-6,934.66	-14,198.67	6,711.78	6,559.72	152.06	44.138		
15,300.00	7,321.00	17,140.00	7,404.68	205.14	269.49	-119.29	-6,934.66	-14,198.67	6,611.83	6,459.83	152.00	43.499		
15,400.00	7,321.00	17,140.00	7,404.68	207.21	269.49	-119.29	-6,934.66	-14,198.67	6,511.89	6,359.95	151.93	42.860		
15,500.00	7,321.00	17,140.00	7,404.68	209.29	269.49	-119.29	-6,934.66	-14,198.67	6,411.94	6,260.08	151.87	42.221		
15,600.00	7,321.00	17,140.00	7,404.68	211.39	269.49	-119.29	-6,934.66	-14,198.67	6,312.00	6,160.21	151.80	41.582		
15,700.00	7,321.00	17,140.00	7,404.68	213.51	269.49	-119.29	-6,934.66	-14,198.67	6,212.06	6,060.34	151.72	40.943		
15,800.00	7,321.00	17,140.00	7,404.68	215.65	269.49	-119.29	-6,934.66	-14,198.67	6,112.13	5,960.47	151.65	40.304		
15,900.00	7,321.00	17,140.00	7,404.68	217.80	269.49	-119.29	-6,934.66	-14,198.67	6,012.19	5,860.61	151.58	39.664		
16,000.00	7,321.00	17,140.00	7,404.68	219.96	269.49	-119.29	-6,934.66	-14,198.67	5,912.26	5,760.76	151.50	39.025		
16,100.00	7,321.00	17,140.00	7,404.68	222.14	269.49	-119.29	-6,934.66	-14,198.67	5,812.33	5,660.91	151.42	38.386		
16,200.00	7,321.00	17,140.00	7,404.68	224.34	269.49	-119.29	-6,934.66	-14,198.67	5,712.40	5,561.06	151.34	37.746		
16,300.00	7,321.00	17,140.00	7,404.68	226.55	269.49	-119.29	-6,934.66	-14,198.67	5,612.47	5,461.22	151.25	37.107		
16,400.00	7,321.00	17,140.00	7,404.68	228.77	269.49	-119.29	-6,934.66	-14,198.67	5,512.55	5,361.38	151.16	36.467		
16,500.00	7,321.00	17,140.00	7,404.68	231.00	269.49	-119.29	-6,934.66	-14,198.67	5,412.63	5,261.55	151.08	35.827		
16,600.00	7,321.00	17,140.00	7,404.68	233.25	269.49	-119.29	-6,934.66	-14,198.67	5,312.71	5,161.73	150.98	35.188		
16,700.00	7,321.00	17,140.00	7,404.68	235.51	269.49	-119.29	-6,934.66	-14,198.67	5,212.80	5,061.91	150.89	34.548		
16,800.00	7,321.00	17,140.00	7,404.68	237.78	269.49	-119.29	-6,934.66	-14,198.67	5,112.89	4,962.10	150.79	33.908		
16,900.00	7,321.00	17,140.00	7,404.68	240.06	269.49	-119.29	-6,934.66	-14,198.67	5,012.98	4,862.29	150.69	33.268		

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 MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1652-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
17,000.00	7,321.00	17,140.00	7,404.68	242.35	269.49	-119.29	-6,934.66	-14,198.67	4,913.08	4,762.49	150.58	32.627		
17,100.00	7,321.00	17,140.00	7,404.68	244.66	269.49	-119.29	-6,934.66	-14,198.67	4,813.18	4,662.70	150.47	31.987		
17,200.00	7,321.00	17,140.00	7,404.68	246.97	269.49	-119.29	-6,934.66	-14,198.67	4,713.28	4,562.92	150.36	31.346		
17,300.00	7,321.00	17,140.00	7,404.68	249.29	269.49	-119.29	-6,934.66	-14,198.67	4,613.39	4,463.14	150.25	30.705		
17,400.00	7,321.00	17,140.00	7,404.68	251.63	269.49	-119.29	-6,934.66	-14,198.67	4,513.50	4,363.38	150.13	30.065		
17,500.00	7,321.00	17,140.00	7,404.68	253.97	269.49	-119.29	-6,934.66	-14,198.67	4,413.62	4,263.62	150.00	29.423		
17,600.00	7,321.00	17,140.00	7,404.68	256.32	269.49	-119.29	-6,934.66	-14,198.67	4,313.75	4,163.87	149.88	28.782		
17,700.00	7,321.00	17,140.00	7,404.68	258.68	269.49	-119.29	-6,934.66	-14,198.67	4,213.88	4,064.14	149.74	28.140		
17,800.00	7,321.00	17,140.00	7,404.68	261.05	269.49	-119.29	-6,934.66	-14,198.67	4,114.02	3,964.41	149.61	27.499		
17,900.00	7,321.00	17,140.00	7,404.68	263.43	269.49	-119.29	-6,934.66	-14,198.67	4,014.16	3,864.69	149.47	26.856		
18,000.00	7,321.00	17,140.00	7,404.68	265.81	269.49	-119.29	-6,934.66	-14,198.67	3,914.31	3,764.99	149.32	26.214		
18,100.00	7,321.00	17,140.00	7,404.68	268.21	269.49	-119.29	-6,934.66	-14,198.67	3,814.47	3,665.30	149.17	25.571		
18,200.00	7,321.00	17,140.00	7,404.68	270.61	269.49	-119.29	-6,934.66	-14,198.67	3,714.64	3,565.62	149.01	24.928		
18,300.00	7,321.00	17,140.00	7,404.68	273.02	269.49	-119.29	-6,934.66	-14,198.67	3,614.82	3,465.96	148.85	24.284		
18,400.00	7,321.00	17,140.00	7,404.68	275.43	269.49	-119.29	-6,934.66	-14,198.67	3,515.00	3,366.32	148.69	23.640		
18,500.00	7,321.00	17,140.00	7,404.68	277.86	269.49	-119.29	-6,934.66	-14,198.67	3,415.20	3,266.69	148.51	22.996		
18,600.00	7,321.00	17,140.00	7,404.68	280.28	269.49	-119.29	-6,934.66	-14,198.67	3,315.41	3,167.08	148.34	22.351		
18,700.00	7,321.00	17,140.00	7,404.68	282.72	269.49	-119.29	-6,934.66	-14,198.67	3,215.64	3,067.48	148.15	21.705		
18,800.00	7,321.00	17,140.00	7,404.68	285.16	269.49	-119.29	-6,934.66	-14,198.67	3,115.87	2,967.91	147.96	21.059		
18,900.00	7,321.00	17,140.00	7,404.68	287.61	269.49	-119.29	-6,934.66	-14,198.67	3,016.13	2,868.36	147.76	20.412		
19,000.00	7,321.00	17,140.00	7,404.68	290.06	269.49	-119.29	-6,934.66	-14,198.67	2,916.40	2,768.84	147.56	19.764		
19,100.00	7,321.00	17,140.00	7,404.68	292.52	269.49	-119.29	-6,934.66	-14,198.67	2,816.69	2,669.34	147.35	19.115		
19,200.00	7,321.00	17,140.00	7,404.68	294.99	269.49	-119.29	-6,934.66	-14,198.67	2,717.00	2,569.86	147.14	18.466		
19,300.00	7,321.00	17,140.00	7,404.68	297.46	269.49	-119.29	-6,934.66	-14,198.67	2,617.33	2,470.42	146.92	17.815		
19,400.00	7,321.00	17,140.00	7,404.68	299.94	269.49	-119.29	-6,934.66	-14,198.67	2,517.69	2,371.00	146.69	17.163		
19,500.00	7,321.00	17,140.00	7,404.68	302.42	269.49	-119.29	-6,934.66	-14,198.67	2,418.09	2,271.62	146.46	16.510		
19,600.00	7,321.00	17,140.00	7,404.68	304.90	269.49	-119.29	-6,934.66	-14,198.67	2,318.51	2,172.28	146.23	15.855		
19,700.00	7,321.00	17,140.00	7,404.68	307.40	269.49	-119.29	-6,934.66	-14,198.67	2,218.97	2,072.98	145.99	15.199		
19,800.00	7,321.00	17,140.00	7,404.68	309.89	269.49	-119.29	-6,934.66	-14,198.67	2,119.48	1,973.72	145.76	14.541		
19,900.00	7,321.00	17,140.00	7,404.68	312.39	269.49	-119.29	-6,934.66	-14,198.67	2,020.04	1,874.51	145.53	13.881		
20,000.00	7,321.00	17,140.00	7,404.68	314.90	269.49	-119.29	-6,934.66	-14,198.67	1,920.65	1,775.35	145.30	13.218		
20,100.00	7,321.00	17,140.00	7,404.68	317.41	269.49	-119.29	-6,934.66	-14,198.67	1,821.33	1,676.24	145.09	12.553		
20,200.00	7,321.00	17,140.00	7,404.68	319.92	269.49	-119.29	-6,934.66	-14,198.67	1,722.09	1,577.19	144.90	11.885		
20,300.00	7,321.00	17,140.00	7,404.68	322.44	269.49	-119.29	-6,934.66	-14,198.67	1,622.95	1,478.21	144.74	11.213		
20,400.00	7,321.00	17,140.00	7,404.68	324.96	269.49	-119.29	-6,934.66	-14,198.67	1,523.91	1,379.28	144.63	10.537		
20,500.00	7,321.00	17,140.00	7,404.68	327.49	269.49	-119.29	-6,934.66	-14,198.67	1,425.01	1,280.43	144.59	9.856		
20,600.00	7,321.00	17,140.00	7,404.68	330.02	269.49	-119.29	-6,934.66	-14,198.67	1,326.28	1,181.62	144.66	9.169		
20,700.00	7,321.00	17,140.00	7,404.68	332.55	269.49	-119.29	-6,934.66	-14,198.67	1,227.75	1,082.87	144.88	8.474		
20,800.00	7,321.00	17,140.00	7,404.68	335.09	269.49	-119.29	-6,934.66	-14,198.67	1,129.48	984.12	145.36	7.770		
20,900.00	7,321.00	17,140.00	7,404.68	337.63	269.49	-119.29	-6,934.66	-14,198.67	1,031.54	885.31	146.23	7.054		
21,000.00	7,321.00	17,140.00	7,404.68	340.17	269.49	-119.29	-6,934.66	-14,198.67	934.04	786.30	147.74	6.322		
21,100.00	7,321.00	17,140.00	7,404.68	342.72	269.49	-119.29	-6,934.66	-14,198.67	837.13	686.80	150.33	5.569		
21,200.00	7,321.00	17,140.00	7,404.68	345.27	269.49	-119.29	-6,934.66	-14,198.67	741.04	586.20	154.84	4.786		
21,300.00	7,321.00	17,140.00	7,404.68	347.82	269.49	-119.29	-6,934.66	-14,198.67	646.13	483.22	162.92	3.966		
21,400.00	7,321.00	17,140.00	7,404.68	350.38	269.49	-119.29	-6,934.66	-14,198.67	553.03	375.26	177.77	3.111		
21,500.00	7,321.00	17,140.00	7,404.68	352.94	269.49	-119.29	-6,934.66	-14,198.67	462.81	257.62	205.19	2.256		
21,600.00	7,321.00	17,140.00	7,404.68	355.50	269.49	-119.29	-6,934.66	-14,198.67	377.55	123.64	253.91	1.487 Level 3		
21,700.00	7,321.00	17,140.00	7,404.68	358.07	269.49	-119.29	-6,934.66	-14,198.67	301.49	-32.30	333.79	0.903 Level 1		
21,746.26	7,321.00	17,140.00	7,404.68	359.25	269.49	-119.29	-6,934.66	-14,198.67	271.61	-110.81	382.42	0.710 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 MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1655-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,800.00	7,321.00	16,920.00	7,238.92	147.91	269.68	-80.72	-7,105.92	-14,193.02	10,108.94	9,954.52	154.43	65.461		
11,900.00	7,321.00	16,920.00	7,238.92	149.05	269.68	-80.72	-7,105.92	-14,193.02	10,009.01	9,854.63	154.38	64.832		
12,000.00	7,321.00	16,920.00	7,238.92	150.22	269.68	-80.72	-7,105.92	-14,193.02	9,909.08	9,754.74	154.34	64.204		
12,100.00	7,321.00	16,920.00	7,238.92	151.42	269.68	-80.72	-7,105.92	-14,193.02	9,809.15	9,654.86	154.29	63.575		
12,200.00	7,321.00	16,920.00	7,238.92	152.66	269.68	-80.72	-7,105.92	-14,193.02	9,709.22	9,554.97	154.25	62.947		
12,300.00	7,321.00	16,920.00	7,238.92	153.93	269.68	-80.72	-7,105.92	-14,193.02	9,609.29	9,455.09	154.20	62.318		
12,400.00	7,321.00	16,920.00	7,238.92	155.22	269.68	-80.72	-7,105.92	-14,193.02	9,509.36	9,355.21	154.15	61.689		
12,500.00	7,321.00	16,920.00	7,238.92	156.55	269.68	-80.72	-7,105.92	-14,193.02	9,409.44	9,255.34	154.10	61.060		
12,600.00	7,321.00	16,920.00	7,238.92	157.91	269.68	-80.72	-7,105.92	-14,193.02	9,309.51	9,155.46	154.05	60.431		
12,700.00	7,321.00	16,920.00	7,238.92	159.31	269.68	-80.72	-7,105.92	-14,193.02	9,209.59	9,055.59	154.00	59.801		
12,800.00	7,321.00	16,920.00	7,238.92	160.73	269.68	-80.72	-7,105.92	-14,193.02	9,109.67	8,955.72	153.95	59.172		
12,900.00	7,321.00	16,920.00	7,238.92	162.18	269.68	-80.72	-7,105.92	-14,193.02	9,009.75	8,855.85	153.90	58.542		
13,000.00	7,321.00	16,920.00	7,238.92	163.67	269.68	-80.72	-7,105.92	-14,193.02	8,909.84	8,755.99	153.85	57.913		
13,100.00	7,321.00	16,920.00	7,238.92	165.18	269.68	-80.72	-7,105.92	-14,193.02	8,809.92	8,656.13	153.80	57.283		
13,200.00	7,321.00	16,920.00	7,238.92	166.73	269.68	-80.72	-7,105.92	-14,193.02	8,710.01	8,556.27	153.74	56.653		
13,300.00	7,321.00	16,920.00	7,238.92	168.30	269.68	-80.72	-7,105.92	-14,193.02	8,610.10	8,456.41	153.69	56.023		
13,400.00	7,321.00	16,920.00	7,238.92	169.90	269.68	-80.72	-7,105.92	-14,193.02	8,510.19	8,356.56	153.63	55.392		
13,500.00	7,321.00	16,920.00	7,238.92	171.53	269.68	-80.72	-7,105.92	-14,193.02	8,410.29	8,256.71	153.58	54.762		
13,600.00	7,321.00	16,920.00	7,238.92	173.19	269.68	-80.72	-7,105.92	-14,193.02	8,310.38	8,156.86	153.52	54.131		
13,700.00	7,321.00	16,920.00	7,238.92	174.88	269.68	-80.72	-7,105.92	-14,193.02	8,210.48	8,057.01	153.47	53.501		
13,800.00	7,321.00	16,920.00	7,238.92	176.59	269.68	-80.72	-7,105.92	-14,193.02	8,110.58	7,957.17	153.41	52.870		
13,900.00	7,321.00	16,920.00	7,238.92	178.33	269.68	-80.72	-7,105.92	-14,193.02	8,010.68	7,857.34	153.35	52.239		
14,000.00	7,321.00	16,920.00	7,238.92	180.09	269.68	-80.72	-7,105.92	-14,193.02	7,910.79	7,757.50	153.29	51.607		
14,100.00	7,321.00	16,920.00	7,238.92	181.88	269.68	-80.72	-7,105.92	-14,193.02	7,810.90	7,657.67	153.23	50.976		
14,200.00	7,321.00	16,920.00	7,238.92	183.70	269.68	-80.72	-7,105.92	-14,193.02	7,711.01	7,557.84	153.16	50.344		
14,300.00	7,321.00	16,920.00	7,238.92	185.54	269.68	-80.72	-7,105.92	-14,193.02	7,611.12	7,458.02	153.10	49.713		
14,400.00	7,321.00	16,920.00	7,238.92	187.40	269.68	-80.72	-7,105.92	-14,193.02	7,511.24	7,358.20	153.04	49.081		
14,500.00	7,321.00	16,920.00	7,238.92	189.29	269.68	-80.72	-7,105.92	-14,193.02	7,411.36	7,258.39	152.97	48.449		
14,600.00	7,321.00	16,920.00	7,238.92	191.20	269.68	-80.72	-7,105.92	-14,193.02	7,311.49	7,158.58	152.91	47.816		
14,700.00	7,321.00	16,920.00	7,238.92	193.13	269.68	-80.72	-7,105.92	-14,193.02	7,211.61	7,058.77	152.84	47.184		
14,800.00	7,321.00	16,920.00	7,238.92	195.08	269.68	-80.72	-7,105.92	-14,193.02	7,111.74	6,958.97	152.77	46.551		
14,900.00	7,321.00	16,920.00	7,238.92	197.05	269.68	-80.72	-7,105.92	-14,193.02	7,011.88	6,859.17	152.70	45.918		
15,000.00	7,321.00	16,920.00	7,238.92	199.04	269.68	-80.72	-7,105.92	-14,193.02	6,912.02	6,759.38	152.63	45.285		
15,100.00	7,321.00	16,920.00	7,238.92	201.06	269.68	-80.72	-7,105.92	-14,193.02	6,812.16	6,659.60	152.56	44.652		
15,200.00	7,321.00	16,920.00	7,238.92	203.09	269.68	-80.72	-7,105.92	-14,193.02	6,712.31	6,559.82	152.49	44.018		
15,300.00	7,321.00	16,920.00	7,238.92	205.14	269.68	-80.72	-7,105.92	-14,193.02	6,612.46	6,460.04	152.42	43.384		
15,400.00	7,321.00	16,920.00	7,238.92	207.21	269.68	-80.72	-7,105.92	-14,193.02	6,512.61	6,360.27	152.34	42.750		
15,500.00	7,321.00	16,920.00	7,238.92	209.29	269.68	-80.72	-7,105.92	-14,193.02	6,412.77	6,260.51	152.27	42.115		
15,600.00	7,321.00	16,920.00	7,238.92	211.39	269.68	-80.72	-7,105.92	-14,193.02	6,312.94	6,160.75	152.19	41.481		
15,700.00	7,321.00	16,920.00	7,238.92	213.51	269.68	-80.72	-7,105.92	-14,193.02	6,213.11	6,061.00	152.11	40.846		
15,800.00	7,321.00	16,920.00	7,238.92	215.65	269.68	-80.72	-7,105.92	-14,193.02	6,113.29	5,961.25	152.03	40.210		
15,900.00	7,321.00	16,920.00	7,238.92	217.80	269.68	-80.72	-7,105.92	-14,193.02	6,013.47	5,861.52	151.95	39.575		
16,000.00	7,321.00	16,920.00	7,238.92	219.96	269.68	-80.72	-7,105.92	-14,193.02	5,913.66	5,761.79	151.87	38.939		
16,100.00	7,321.00	16,920.00	7,238.92	222.14	269.68	-80.72	-7,105.92	-14,193.02	5,813.85	5,662.06	151.79	38.302		
16,200.00	7,321.00	16,920.00	7,238.92	224.34	269.68	-80.72	-7,105.92	-14,193.02	5,714.06	5,562.35	151.70	37.666		
16,300.00	7,321.00	16,920.00	7,238.92	226.55	269.68	-80.72	-7,105.92	-14,193.02	5,614.26	5,462.64	151.62	37.028		
16,400.00	7,321.00	16,920.00	7,238.92	228.77	269.68	-80.72	-7,105.92	-14,193.02	5,514.48	5,362.95	151.53	36.391		
16,500.00	7,321.00	16,920.00	7,238.92	231.00	269.68	-80.72	-7,105.92	-14,193.02	5,414.71	5,263.26	151.45	35.753		
16,600.00	7,321.00	16,920.00	7,238.92	233.25	269.68	-80.72	-7,105.92	-14,193.02	5,314.94	5,163.58	151.36	35.115		
16,700.00	7,321.00	16,920.00	7,238.92	235.51	269.68	-80.72	-7,105.92	-14,193.02	5,215.18	5,063.91	151.27	34.476		
16,800.00	7,321.00	16,920.00	7,238.92	237.78	269.68	-80.72	-7,105.92	-14,193.02	5,115.43	4,964.25	151.18	33.836		
16,900.00	7,321.00	16,920.00	7,238.92	240.06	269.68	-80.72	-7,105.92	-14,193.02	5,015.69	4,864.60	151.09	33.196		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1655-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
17,000.00	7,321.00	16,920.00	7,238.92	242.35	269.68	-80.72	-7,105.92	-14,193.02	4,915.97	4,764.97	151.00	32.556		
17,100.00	7,321.00	16,920.00	7,238.92	244.66	269.68	-80.72	-7,105.92	-14,193.02	4,816.25	4,665.34	150.91	31.915		
17,200.00	7,321.00	16,920.00	7,238.92	246.97	269.68	-80.72	-7,105.92	-14,193.02	4,716.55	4,565.73	150.82	31.273		
17,300.00	7,321.00	16,920.00	7,238.92	249.29	269.68	-80.72	-7,105.92	-14,193.02	4,616.85	4,466.13	150.73	30.631		
17,400.00	7,321.00	16,920.00	7,238.92	251.63	269.68	-80.72	-7,105.92	-14,193.02	4,517.18	4,366.54	150.63	29.988		
17,500.00	7,321.00	16,920.00	7,238.92	253.97	269.68	-80.72	-7,105.92	-14,193.02	4,417.51	4,266.97	150.54	29.344		
17,600.00	7,321.00	16,920.00	7,238.92	256.32	269.68	-80.72	-7,105.92	-14,193.02	4,317.87	4,167.41	150.45	28.699		
17,700.00	7,321.00	16,920.00	7,238.92	258.68	269.68	-80.72	-7,105.92	-14,193.02	4,218.23	4,067.87	150.36	28.054		
17,800.00	7,321.00	16,920.00	7,238.92	261.05	269.68	-80.72	-7,105.92	-14,193.02	4,118.62	3,968.35	150.27	27.408		
17,900.00	7,321.00	16,920.00	7,238.92	263.43	269.68	-80.72	-7,105.92	-14,193.02	4,019.03	3,868.84	150.19	26.760		
18,000.00	7,321.00	16,920.00	7,238.92	265.81	269.68	-80.72	-7,105.92	-14,193.02	3,919.45	3,769.35	150.10	26.112		
18,100.00	7,321.00	16,920.00	7,238.92	268.21	269.68	-80.72	-7,105.92	-14,193.02	3,819.90	3,669.88	150.02	25.463		
18,200.00	7,321.00	16,920.00	7,238.92	270.61	269.68	-80.72	-7,105.92	-14,193.02	3,720.38	3,570.43	149.94	24.812		
18,300.00	7,321.00	16,920.00	7,238.92	273.02	269.68	-80.72	-7,105.92	-14,193.02	3,620.87	3,471.01	149.87	24.160		
18,400.00	7,321.00	16,920.00	7,238.92	275.43	269.68	-80.72	-7,105.92	-14,193.02	3,521.40	3,371.60	149.80	23.507		
18,500.00	7,321.00	16,920.00	7,238.92	277.86	269.68	-80.72	-7,105.92	-14,193.02	3,421.96	3,272.22	149.74	22.853		
18,600.00	7,321.00	16,920.00	7,238.92	280.28	269.68	-80.72	-7,105.92	-14,193.02	3,322.55	3,172.86	149.69	22.197		
18,700.00	7,321.00	16,920.00	7,238.92	282.72	269.68	-80.72	-7,105.92	-14,193.02	3,223.18	3,073.53	149.64	21.539		
18,800.00	7,321.00	16,920.00	7,238.92	285.16	269.68	-80.72	-7,105.92	-14,193.02	3,123.85	2,974.23	149.61	20.879		
18,900.00	7,321.00	16,920.00	7,238.92	287.61	269.68	-80.72	-7,105.92	-14,193.02	3,024.56	2,874.96	149.60	20.218		
19,000.00	7,321.00	16,920.00	7,238.92	290.06	269.68	-80.72	-7,105.92	-14,193.02	2,925.32	2,775.72	149.60	19.554		
19,100.00	7,321.00	16,920.00	7,238.92	292.52	269.68	-80.72	-7,105.92	-14,193.02	2,826.13	2,676.51	149.63	18.888		
19,200.00	7,321.00	16,920.00	7,238.92	294.99	269.68	-80.72	-7,105.92	-14,193.02	2,727.01	2,577.33	149.68	18.219		
19,300.00	7,321.00	16,920.00	7,238.92	297.46	269.68	-80.72	-7,105.92	-14,193.02	2,627.95	2,478.19	149.76	17.547		
19,400.00	7,321.00	16,920.00	7,238.92	299.94	269.68	-80.72	-7,105.92	-14,193.02	2,528.96	2,379.08	149.89	16.873		
19,500.00	7,321.00	16,920.00	7,238.92	302.42	269.68	-80.72	-7,105.92	-14,193.02	2,430.06	2,280.00	150.06	16.194		
19,600.00	7,321.00	16,920.00	7,238.92	304.90	269.68	-80.72	-7,105.92	-14,193.02	2,331.25	2,180.96	150.29	15.512		
19,700.00	7,321.00	16,920.00	7,238.92	307.40	269.68	-80.72	-7,105.92	-14,193.02	2,232.55	2,081.95	150.60	14.825		
19,800.00	7,321.00	16,920.00	7,238.92	309.89	269.68	-80.72	-7,105.92	-14,193.02	2,133.96	1,982.97	151.00	14.132		
19,900.00	7,321.00	16,920.00	7,238.92	312.39	269.68	-80.72	-7,105.92	-14,193.02	2,035.52	1,884.00	151.52	13.434		
20,000.00	7,321.00	16,920.00	7,238.92	314.90	269.68	-80.72	-7,105.92	-14,193.02	1,937.23	1,785.05	152.18	12.730		
20,100.00	7,321.00	16,920.00	7,238.92	317.41	269.68	-80.72	-7,105.92	-14,193.02	1,839.13	1,686.09	153.05	12.017		
20,200.00	7,321.00	16,920.00	7,238.92	319.92	269.68	-80.72	-7,105.92	-14,193.02	1,741.25	1,587.09	154.16	11.295		
20,300.00	7,321.00	16,920.00	7,238.92	322.44	269.68	-80.72	-7,105.92	-14,193.02	1,643.62	1,488.01	155.61	10.563		
20,400.00	7,321.00	16,920.00	7,238.92	324.96	269.68	-80.72	-7,105.92	-14,193.02	1,546.30	1,388.80	157.50	9.818		
20,500.00	7,321.00	16,920.00	7,238.92	327.49	269.68	-80.72	-7,105.92	-14,193.02	1,449.33	1,289.34	159.99	9.059		
20,600.00	7,321.00	16,920.00	7,238.92	330.02	269.68	-80.72	-7,105.92	-14,193.02	1,352.81	1,189.50	163.31	8.284		
20,700.00	7,321.00	16,920.00	7,238.92	332.55	269.68	-80.72	-7,105.92	-14,193.02	1,256.84	1,089.06	167.78	7.491		
20,800.00	7,321.00	16,920.00	7,238.92	335.09	269.68	-80.72	-7,105.92	-14,193.02	1,161.54	987.70	173.85	6.681		
20,900.00	7,321.00	16,920.00	7,238.92	337.63	269.68	-80.72	-7,105.92	-14,193.02	1,067.11	884.93	182.18	5.857		
21,000.00	7,321.00	16,920.00	7,238.92	340.17	269.68	-80.72	-7,105.92	-14,193.02	973.79	780.11	193.68	5.028		
21,100.00	7,321.00	16,920.00	7,238.92	342.72	269.68	-80.72	-7,105.92	-14,193.02	881.93	672.37	209.56	4.208		
21,200.00	7,321.00	16,920.00	7,238.92	345.27	269.68	-80.72	-7,105.92	-14,193.02	792.05	560.66	231.38	3.423		
21,300.00	7,321.00	16,920.00	7,238.92	347.82	269.68	-80.72	-7,105.92	-14,193.02	704.89	443.85	261.04	2.700		
21,400.00	7,321.00	16,920.00	7,238.92	350.38	269.68	-80.72	-7,105.92	-14,193.02	621.62	320.91	300.71	2.067		
21,500.00	7,321.00	16,920.00	7,238.92	352.94	269.68	-80.72	-7,105.92	-14,193.02	544.01	191.48	352.54	1.543		
21,600.00	7,321.00	16,920.00	7,238.92	355.50	269.68	-80.72	-7,105.92	-14,193.02	474.86	57.31	417.55	1.137 Level 2		
21,700.00	7,321.00	16,920.00	7,238.92	358.07	269.68	-80.72	-7,105.92	-14,193.02	418.36	-74.26	492.62	0.849 Level 1		
21,746.26	7,321.00	16,920.00	7,238.92	359.25	269.68	-80.72	-7,105.92	-14,193.02	398.06	-129.72	527.78	0.754 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 MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1656-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,800.00	7,321.00	17,070.00	7,159.63	147.91	269.63	-79.18	-7,468.23	-14,169.67	10,105.26	9,944.20	161.05	62.745		
11,900.00	7,321.00	17,070.00	7,159.63	149.05	269.63	-79.18	-7,468.23	-14,169.67	10,005.52	9,844.53	161.00	62.147		
12,000.00	7,321.00	17,070.00	7,159.63	150.22	269.63	-79.18	-7,468.23	-14,169.67	9,905.80	9,744.86	160.94	61.550		
12,100.00	7,321.00	17,070.00	7,159.63	151.42	269.63	-79.18	-7,468.23	-14,169.67	9,806.08	9,645.20	160.88	60.952		
12,200.00	7,321.00	17,070.00	7,159.63	152.66	269.63	-79.18	-7,468.23	-14,169.67	9,706.36	9,545.54	160.82	60.354		
12,300.00	7,321.00	17,070.00	7,159.63	153.93	269.63	-79.18	-7,468.23	-14,169.67	9,606.66	9,445.89	160.77	59.756		
12,400.00	7,321.00	17,070.00	7,159.63	155.22	269.63	-79.18	-7,468.23	-14,169.67	9,506.95	9,346.25	160.71	59.157		
12,500.00	7,321.00	17,070.00	7,159.63	156.55	269.63	-79.18	-7,468.23	-14,169.67	9,407.26	9,246.61	160.65	58.558		
12,600.00	7,321.00	17,070.00	7,159.63	157.91	269.63	-79.18	-7,468.23	-14,169.67	9,307.57	9,146.98	160.59	57.959		
12,700.00	7,321.00	17,070.00	7,159.63	159.31	269.63	-79.18	-7,468.23	-14,169.67	9,207.89	9,047.36	160.53	57.360		
12,800.00	7,321.00	17,070.00	7,159.63	160.73	269.63	-79.18	-7,468.23	-14,169.67	9,108.21	8,947.74	160.47	56.760		
12,900.00	7,321.00	17,070.00	7,159.63	162.18	269.63	-79.18	-7,468.23	-14,169.67	9,008.54	8,848.13	160.41	56.160		
13,000.00	7,321.00	17,070.00	7,159.63	163.67	269.63	-79.18	-7,468.23	-14,169.67	8,908.88	8,748.53	160.35	55.559		
13,100.00	7,321.00	17,070.00	7,159.63	165.18	269.63	-79.18	-7,468.23	-14,169.67	8,809.23	8,648.94	160.29	54.959		
13,200.00	7,321.00	17,070.00	7,159.63	166.73	269.63	-79.18	-7,468.23	-14,169.67	8,709.58	8,549.35	160.23	54.358		
13,300.00	7,321.00	17,070.00	7,159.63	168.30	269.63	-79.18	-7,468.23	-14,169.67	8,609.94	8,449.78	160.17	53.756		
13,400.00	7,321.00	17,070.00	7,159.63	169.90	269.63	-79.18	-7,468.23	-14,169.67	8,510.31	8,350.21	160.10	53.155		
13,500.00	7,321.00	17,070.00	7,159.63	171.53	269.63	-79.18	-7,468.23	-14,169.67	8,410.69	8,250.65	160.04	52.553		
13,600.00	7,321.00	17,070.00	7,159.63	173.19	269.63	-79.18	-7,468.23	-14,169.67	8,311.08	8,151.10	159.98	51.950		
13,700.00	7,321.00	17,070.00	7,159.63	174.88	269.63	-79.18	-7,468.23	-14,169.67	8,211.48	8,051.56	159.92	51.348		
13,800.00	7,321.00	17,070.00	7,159.63	176.59	269.63	-79.18	-7,468.23	-14,169.67	8,111.89	7,952.03	159.86	50.744		
13,900.00	7,321.00	17,070.00	7,159.63	178.33	269.63	-79.18	-7,468.23	-14,169.67	8,012.31	7,852.51	159.80	50.141		
14,000.00	7,321.00	17,070.00	7,159.63	180.09	269.63	-79.18	-7,468.23	-14,169.67	7,912.74	7,753.00	159.73	49.537		
14,100.00	7,321.00	17,070.00	7,159.63	181.88	269.63	-79.18	-7,468.23	-14,169.67	7,813.18	7,653.51	159.67	48.933		
14,200.00	7,321.00	17,070.00	7,159.63	183.70	269.63	-79.18	-7,468.23	-14,169.67	7,713.63	7,554.02	159.61	48.328		
14,300.00	7,321.00	17,070.00	7,159.63	185.54	269.63	-79.18	-7,468.23	-14,169.67	7,614.09	7,454.54	159.55	47.723		
14,400.00	7,321.00	17,070.00	7,159.63	187.40	269.63	-79.18	-7,468.23	-14,169.67	7,514.57	7,355.08	159.49	47.117		
14,500.00	7,321.00	17,070.00	7,159.63	189.29	269.63	-79.18	-7,468.23	-14,169.67	7,415.06	7,255.63	159.43	46.511		
14,600.00	7,321.00	17,070.00	7,159.63	191.20	269.63	-79.18	-7,468.23	-14,169.67	7,315.56	7,156.19	159.36	45.905		
14,700.00	7,321.00	17,070.00	7,159.63	193.13	269.63	-79.18	-7,468.23	-14,169.67	7,216.07	7,056.77	159.30	45.298		
14,800.00	7,321.00	17,070.00	7,159.63	195.08	269.63	-79.18	-7,468.23	-14,169.67	7,116.60	6,957.36	159.24	44.690		
14,900.00	7,321.00	17,070.00	7,159.63	197.05	269.63	-79.18	-7,468.23	-14,169.67	7,017.15	6,857.96	159.18	44.082		
15,000.00	7,321.00	17,070.00	7,159.63	199.04	269.63	-79.18	-7,468.23	-14,169.67	6,917.71	6,758.58	159.12	43.474		
15,100.00	7,321.00	17,070.00	7,159.63	201.06	269.63	-79.18	-7,468.23	-14,169.67	6,818.29	6,659.22	159.07	42.864		
15,200.00	7,321.00	17,070.00	7,159.63	203.09	269.63	-79.18	-7,468.23	-14,169.67	6,718.88	6,559.87	159.01	42.255		
15,300.00	7,321.00	17,070.00	7,159.63	205.14	269.63	-79.18	-7,468.23	-14,169.67	6,619.49	6,460.54	158.95	41.644		
15,400.00	7,321.00	17,070.00	7,159.63	207.21	269.63	-79.18	-7,468.23	-14,169.67	6,520.12	6,361.22	158.90	41.033		
15,500.00	7,321.00	17,070.00	7,159.63	209.29	269.63	-79.18	-7,468.23	-14,169.67	6,420.77	6,261.93	158.85	40.422		
15,600.00	7,321.00	17,070.00	7,159.63	211.39	269.63	-79.18	-7,468.23	-14,169.67	6,321.44	6,162.65	158.79	39.809		
15,700.00	7,321.00	17,070.00	7,159.63	213.51	269.63	-79.18	-7,468.23	-14,169.67	6,222.14	6,063.39	158.74	39.196		
15,800.00	7,321.00	17,070.00	7,159.63	215.65	269.63	-79.18	-7,468.23	-14,169.67	6,122.85	5,964.16	158.70	38.582		
15,900.00	7,321.00	17,070.00	7,159.63	217.80	269.63	-79.18	-7,468.23	-14,169.67	6,023.59	5,864.94	158.65	37.968		
16,000.00	7,321.00	17,070.00	7,159.63	219.96	269.63	-79.18	-7,468.23	-14,169.67	5,924.35	5,765.75	158.61	37.353		
16,100.00	7,321.00	17,070.00	7,159.63	222.14	269.63	-79.18	-7,468.23	-14,169.67	5,825.14	5,666.58	158.57	36.736		
16,200.00	7,321.00	17,070.00	7,159.63	224.34	269.63	-79.18	-7,468.23	-14,169.67	5,725.96	5,567.43	158.53	36.119		
16,300.00	7,321.00	17,070.00	7,159.63	226.55	269.63	-79.18	-7,468.23	-14,169.67	5,626.81	5,468.31	158.50	35.501		
16,400.00	7,321.00	17,070.00	7,159.63	228.77	269.63	-79.18	-7,468.23	-14,169.67	5,527.68	5,369.21	158.47	34.882		
16,500.00	7,321.00	17,070.00	7,159.63	231.00	269.63	-79.18	-7,468.23	-14,169.67	5,428.59	5,270.15	158.44	34.262		
16,600.00	7,321.00	17,070.00	7,159.63	233.25	269.63	-79.18	-7,468.23	-14,169.67	5,329.53	5,171.11	158.43	33.641		
16,700.00	7,321.00	17,070.00	7,159.63	235.51	269.63	-79.18	-7,468.23	-14,169.67	5,230.51	5,072.10	158.41	33.018		
16,800.00	7,321.00	17,070.00	7,159.63	237.78	269.63	-79.18	-7,468.23	-14,169.67	5,131.53	4,973.12	158.41	32.395		
16,900.00	7,321.00	17,070.00	7,159.63	240.06	269.63	-79.18	-7,468.23	-14,169.67	5,032.59	4,874.18	158.41	31.770		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1656-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
17,000.00	7,321.00	17,070.00	7,159.63	242.35	269.63	-79.18	-7,468.23	-14,169.67	4,933.68	4,775.27	158.42	31.144		
17,100.00	7,321.00	17,070.00	7,159.63	244.66	269.63	-79.18	-7,468.23	-14,169.67	4,834.83	4,676.39	158.44	30.516		
17,200.00	7,321.00	17,070.00	7,159.63	246.97	269.63	-79.18	-7,468.23	-14,169.67	4,736.02	4,577.56	158.47	29.887		
17,300.00	7,321.00	17,070.00	7,159.63	249.29	269.63	-79.18	-7,468.23	-14,169.67	4,637.26	4,478.76	158.51	29.256		
17,400.00	7,321.00	17,070.00	7,159.63	251.63	269.63	-79.18	-7,468.23	-14,169.67	4,538.56	4,380.00	158.56	28.623		
17,500.00	7,321.00	17,070.00	7,159.63	253.97	269.63	-79.18	-7,468.23	-14,169.67	4,439.92	4,281.28	158.63	27.988		
17,600.00	7,321.00	17,070.00	7,159.63	256.32	269.63	-79.18	-7,468.23	-14,169.67	4,341.34	4,182.61	158.72	27.352		
17,700.00	7,321.00	17,070.00	7,159.63	258.68	269.63	-79.18	-7,468.23	-14,169.67	4,242.82	4,083.99	158.83	26.713		
17,800.00	7,321.00	17,070.00	7,159.63	261.05	269.63	-79.18	-7,468.23	-14,169.67	4,144.38	3,985.42	158.96	26.072		
17,900.00	7,321.00	17,070.00	7,159.63	263.43	269.63	-79.18	-7,468.23	-14,169.67	4,046.01	3,886.89	159.12	25.428		
18,000.00	7,321.00	17,070.00	7,159.63	265.81	269.63	-79.18	-7,468.23	-14,169.67	3,947.72	3,788.42	159.30	24.781		
18,100.00	7,321.00	17,070.00	7,159.63	268.21	269.63	-79.18	-7,468.23	-14,169.67	3,849.53	3,690.00	159.52	24.132		
18,200.00	7,321.00	17,070.00	7,159.63	270.61	269.63	-79.18	-7,468.23	-14,169.67	3,751.42	3,591.64	159.78	23.479		
18,300.00	7,321.00	17,070.00	7,159.63	273.02	269.63	-79.18	-7,468.23	-14,169.67	3,653.42	3,493.34	160.08	22.822		
18,400.00	7,321.00	17,070.00	7,159.63	275.43	269.63	-79.18	-7,468.23	-14,169.67	3,555.54	3,395.10	160.44	22.162		
18,500.00	7,321.00	17,070.00	7,159.63	277.86	269.63	-79.18	-7,468.23	-14,169.67	3,457.77	3,296.92	160.85	21.497		
18,600.00	7,321.00	17,070.00	7,159.63	280.28	269.63	-79.18	-7,468.23	-14,169.67	3,360.13	3,198.80	161.33	20.828		
18,700.00	7,321.00	17,070.00	7,159.63	282.72	269.63	-79.18	-7,468.23	-14,169.67	3,262.64	3,100.75	161.89	20.153		
18,800.00	7,321.00	17,070.00	7,159.63	285.16	269.63	-79.18	-7,468.23	-14,169.67	3,165.30	3,002.76	162.55	19.473		
18,900.00	7,321.00	17,070.00	7,159.63	287.61	269.63	-79.18	-7,468.23	-14,169.67	3,068.14	2,904.82	163.31	18.787		
19,000.00	7,321.00	17,070.00	7,159.63	290.06	269.63	-79.18	-7,468.23	-14,169.67	2,971.16	2,806.95	164.21	18.093		
19,100.00	7,321.00	17,070.00	7,159.63	292.52	269.63	-79.18	-7,468.23	-14,169.67	2,874.39	2,709.13	165.26	17.393		
19,200.00	7,321.00	17,070.00	7,159.63	294.99	269.63	-79.18	-7,468.23	-14,169.67	2,777.85	2,611.35	166.50	16.684		
19,300.00	7,321.00	17,070.00	7,159.63	297.46	269.63	-79.18	-7,468.23	-14,169.67	2,681.56	2,513.61	167.96	15.966		
19,400.00	7,321.00	17,070.00	7,159.63	299.94	269.63	-79.18	-7,468.23	-14,169.67	2,585.56	2,415.88	169.68	15.238		
19,500.00	7,321.00	17,070.00	7,159.63	302.42	269.63	-79.18	-7,468.23	-14,169.67	2,489.87	2,318.16	171.71	14.500		
19,600.00	7,321.00	17,070.00	7,159.63	304.90	269.63	-79.18	-7,468.23	-14,169.67	2,394.53	2,220.40	174.12	13.752		
19,700.00	7,321.00	17,070.00	7,159.63	307.40	269.63	-79.18	-7,468.23	-14,169.67	2,299.58	2,122.59	177.00	12.992		
19,800.00	7,321.00	17,070.00	7,159.63	309.89	269.63	-79.18	-7,468.23	-14,169.67	2,205.09	2,024.67	180.42	12.222		
19,900.00	7,321.00	17,070.00	7,159.63	312.39	269.63	-79.18	-7,468.23	-14,169.67	2,111.10	1,926.60	184.51	11.442		
20,000.00	7,321.00	17,070.00	7,159.63	314.90	269.63	-79.18	-7,468.23	-14,169.67	2,017.69	1,828.30	189.39	10.654		
20,100.00	7,321.00	17,070.00	7,159.63	317.41	269.63	-79.18	-7,468.23	-14,169.67	1,924.94	1,729.71	195.23	9.860		
20,200.00	7,321.00	17,070.00	7,159.63	319.92	269.63	-79.18	-7,468.23	-14,169.67	1,832.96	1,630.75	202.21	9.065		
20,300.00	7,321.00	17,070.00	7,159.63	322.44	269.63	-79.18	-7,468.23	-14,169.67	1,741.85	1,531.33	210.53	8.274		
20,400.00	7,321.00	17,070.00	7,159.63	324.96	269.63	-79.18	-7,468.23	-14,169.67	1,651.78	1,431.37	220.41	7.494		
20,500.00	7,321.00	17,070.00	7,159.63	327.49	269.63	-79.18	-7,468.23	-14,169.67	1,562.92	1,330.81	232.11	6.733		
20,600.00	7,321.00	17,070.00	7,159.63	330.02	269.63	-79.18	-7,468.23	-14,169.67	1,475.48	1,229.58	245.90	6.000		
20,700.00	7,321.00	17,070.00	7,159.63	332.55	269.63	-79.18	-7,468.23	-14,169.67	1,389.74	1,127.69	262.05	5.303		
20,800.00	7,321.00	17,070.00	7,159.63	335.09	269.63	-79.18	-7,468.23	-14,169.67	1,306.02	1,025.18	280.84	4.650		
20,900.00	7,321.00	17,070.00	7,159.63	337.63	269.63	-79.18	-7,468.23	-14,169.67	1,224.75	922.18	302.58	4.048		
21,000.00	7,321.00	17,070.00	7,159.63	340.17	269.63	-79.18	-7,468.23	-14,169.67	1,146.45	818.95	327.50	3.501		
21,100.00	7,321.00	17,070.00	7,159.63	342.72	269.63	-79.18	-7,468.23	-14,169.67	1,071.76	715.98	355.79	3.012		
21,200.00	7,321.00	17,070.00	7,159.63	345.27	269.63	-79.18	-7,468.23	-14,169.67	1,001.50	614.02	387.48	2.585		
21,300.00	7,321.00	17,070.00	7,159.63	347.82	269.63	-79.18	-7,468.23	-14,169.67	936.66	514.31	422.35	2.218		
21,400.00	7,321.00	17,070.00	7,159.63	350.38	269.63	-79.18	-7,468.23	-14,169.67	878.44	418.74	459.71	1.911		
21,500.00	7,321.00	17,070.00	7,159.63	352.94	269.63	-79.18	-7,468.23	-14,169.67	828.25	330.00	498.25	1.662		
21,600.00	7,321.00	17,070.00	7,159.63	355.50	269.63	-79.18	-7,468.23	-14,169.67	787.60	251.73	535.87	1.470	Level 3	
21,700.00	7,321.00	17,070.00	7,159.63	358.07	269.63	-79.18	-7,468.23	-14,169.67	758.05	188.27	569.78	1.330	Level 3	
21,746.26	7,321.00	17,070.00	7,159.63	359.25	269.63	-79.18	-7,468.23	-14,169.67	748.52	165.19	583.33	1.283	Level 3, 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 MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1540-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	7,321.00	16,991.00	6,977.50	149.05	270.92	78.29	-5,198.30	-14,202.92	10,139.06	9,949.94	189.13	53.610		
12,000.00	7,321.00	16,991.00	6,977.50	150.22	270.92	78.29	-5,198.30	-14,202.92	10,040.30	9,850.43	189.87	52.880		
12,100.00	7,321.00	16,991.00	6,977.50	151.42	270.92	78.29	-5,198.30	-14,202.92	9,941.55	9,750.92	190.63	52.152		
12,200.00	7,321.00	16,991.00	6,977.50	152.66	270.92	78.29	-5,198.30	-14,202.92	9,842.83	9,651.43	191.40	51.424		
12,300.00	7,321.00	16,991.00	6,977.50	153.93	270.92	78.29	-5,198.30	-14,202.92	9,744.14	9,551.95	192.20	50.699		
12,400.00	7,321.00	16,991.00	6,977.50	155.22	270.92	78.29	-5,198.30	-14,202.92	9,645.48	9,452.47	193.01	49.975		
12,500.00	7,321.00	16,991.00	6,977.50	156.55	270.92	78.29	-5,198.30	-14,202.92	9,546.84	9,353.01	193.83	49.253		
12,600.00	7,321.00	16,991.00	6,977.50	157.91	270.92	78.29	-5,198.30	-14,202.92	9,448.23	9,253.55	194.68	48.532		
12,700.00	7,321.00	16,991.00	6,977.50	159.31	270.92	78.29	-5,198.30	-14,202.92	9,349.65	9,154.11	195.55	47.813		
12,800.00	7,321.00	16,991.00	6,977.50	160.73	270.92	78.29	-5,198.30	-14,202.92	9,251.11	9,054.68	196.43	47.096		
12,900.00	7,321.00	16,991.00	6,977.50	162.18	270.92	78.29	-5,198.30	-14,202.92	9,152.59	8,955.25	197.34	46.381		
13,000.00	7,321.00	16,991.00	6,977.50	163.67	270.92	78.29	-5,198.30	-14,202.92	9,054.11	8,855.84	198.26	45.667		
13,100.00	7,321.00	16,991.00	6,977.50	165.18	270.92	78.29	-5,198.30	-14,202.92	8,955.66	8,756.44	199.21	44.955		
13,200.00	7,321.00	16,991.00	6,977.50	166.73	270.92	78.29	-5,198.30	-14,202.92	8,857.24	8,657.06	200.18	44.246		
13,300.00	7,321.00	16,991.00	6,977.50	168.30	270.92	78.29	-5,198.30	-14,202.92	8,758.86	8,557.68	201.18	43.538		
13,400.00	7,321.00	16,991.00	6,977.50	169.90	270.92	78.29	-5,198.30	-14,202.92	8,660.52	8,458.32	202.20	42.832		
13,500.00	7,321.00	16,991.00	6,977.50	171.53	270.92	78.29	-5,198.30	-14,202.92	8,562.21	8,358.97	203.24	42.129		
13,600.00	7,321.00	16,991.00	6,977.50	173.19	270.92	78.29	-5,198.30	-14,202.92	8,463.95	8,259.64	204.31	41.428		
13,700.00	7,321.00	16,991.00	6,977.50	174.88	270.92	78.29	-5,198.30	-14,202.92	8,365.73	8,160.32	205.40	40.728		
13,800.00	7,321.00	16,991.00	6,977.50	176.59	270.92	78.29	-5,198.30	-14,202.92	8,267.54	8,061.02	206.53	40.032		
13,900.00	7,321.00	16,991.00	6,977.50	178.33	270.92	78.29	-5,198.30	-14,202.92	8,169.41	7,961.73	207.68	39.337		
14,000.00	7,321.00	16,991.00	6,977.50	180.09	270.92	78.29	-5,198.30	-14,202.92	8,071.32	7,862.46	208.86	38.645		
14,100.00	7,321.00	16,991.00	6,977.50	181.88	270.92	78.29	-5,198.30	-14,202.92	7,973.27	7,763.20	210.07	37.956		
14,200.00	7,321.00	16,991.00	6,977.50	183.70	270.92	78.29	-5,198.30	-14,202.92	7,875.28	7,663.97	211.31	37.269		
14,300.00	7,321.00	16,991.00	6,977.50	185.54	270.92	78.29	-5,198.30	-14,202.92	7,777.34	7,564.75	212.59	36.584		
14,400.00	7,321.00	16,991.00	6,977.50	187.40	270.92	78.29	-5,198.30	-14,202.92	7,679.44	7,465.55	213.90	35.903		
14,500.00	7,321.00	16,991.00	6,977.50	189.29	270.92	78.29	-5,198.30	-14,202.92	7,581.61	7,366.37	215.24	35.224		
14,600.00	7,321.00	16,991.00	6,977.50	191.20	270.92	78.29	-5,198.30	-14,202.92	7,483.83	7,267.21	216.62	34.548		
14,700.00	7,321.00	16,991.00	6,977.50	193.13	270.92	78.29	-5,198.30	-14,202.92	7,386.11	7,168.07	218.04	33.875		
14,800.00	7,321.00	16,991.00	6,977.50	195.08	270.92	78.29	-5,198.30	-14,202.92	7,288.46	7,068.95	219.50	33.205		
14,900.00	7,321.00	16,991.00	6,977.50	197.05	270.92	78.29	-5,198.30	-14,202.92	7,190.86	6,969.86	221.00	32.538		
15,000.00	7,321.00	16,991.00	6,977.50	199.04	270.92	78.29	-5,198.30	-14,202.92	7,093.34	6,870.79	222.54	31.874		
15,100.00	7,321.00	16,991.00	6,977.50	201.06	270.92	78.29	-5,198.30	-14,202.92	6,995.88	6,771.75	224.13	31.213		
15,200.00	7,321.00	16,991.00	6,977.50	203.09	270.92	78.29	-5,198.30	-14,202.92	6,898.50	6,672.74	225.77	30.556		
15,300.00	7,321.00	16,991.00	6,977.50	205.14	270.92	78.29	-5,198.30	-14,202.92	6,801.19	6,573.75	227.45	29.902		
15,400.00	7,321.00	16,991.00	6,977.50	207.21	270.92	78.29	-5,198.30	-14,202.92	6,703.97	6,474.79	229.18	29.252		
15,500.00	7,321.00	16,991.00	6,977.50	209.29	270.92	78.29	-5,198.30	-14,202.92	6,606.82	6,375.86	230.96	28.605		
15,600.00	7,321.00	16,991.00	6,977.50	211.39	270.92	78.29	-5,198.30	-14,202.92	6,509.77	6,276.96	232.80	27.962		
15,700.00	7,321.00	16,991.00	6,977.50	213.51	270.92	78.29	-5,198.30	-14,202.92	6,412.80	6,178.10	234.70	27.323		
15,800.00	7,321.00	16,991.00	6,977.50	215.65	270.92	78.29	-5,198.30	-14,202.92	6,315.92	6,079.27	236.65	26.688		
15,900.00	7,321.00	16,991.00	6,977.50	217.80	270.92	78.29	-5,198.30	-14,202.92	6,219.15	5,980.48	238.67	26.057		
16,000.00	7,321.00	16,991.00	6,977.50	219.96	270.92	78.29	-5,198.30	-14,202.92	6,122.48	5,881.73	240.75	25.431		
16,100.00	7,321.00	16,991.00	6,977.50	222.14	270.92	78.29	-5,198.30	-14,202.92	6,025.92	5,783.02	242.90	24.808		
16,200.00	7,321.00	16,991.00	6,977.50	224.34	270.92	78.29	-5,198.30	-14,202.92	5,929.47	5,684.35	245.12	24.190		
16,300.00	7,321.00	16,991.00	6,977.50	226.55	270.92	78.29	-5,198.30	-14,202.92	5,833.14	5,585.73	247.42	23.576		
16,400.00	7,321.00	16,991.00	6,977.50	228.77	270.92	78.29	-5,198.30	-14,202.92	5,736.94	5,487.15	249.79	22.967		
16,500.00	7,321.00	16,991.00	6,977.50	231.00	270.92	78.29	-5,198.30	-14,202.92	5,640.87	5,388.63	252.24	22.363		
16,600.00	7,321.00	16,991.00	6,977.50	233.25	270.92	78.29	-5,198.30	-14,202.92	5,544.94	5,290.16	254.78	21.764		
16,700.00	7,321.00	16,991.00	6,977.50	235.51	270.92	78.29	-5,198.30	-14,202.92	5,449.15	5,191.75	257.40	21.170		
16,800.00	7,321.00	16,991.00	6,977.50	237.78	270.92	78.29	-5,198.30	-14,202.92	5,353.52	5,093.40	260.12	20.581		
16,900.00	7,321.00	16,991.00	6,977.50	240.06	270.92	78.29	-5,198.30	-14,202.92	5,258.06	4,995.12	262.94	19.997		
17,000.00	7,321.00	16,991.00	6,977.50	242.35	270.92	78.29	-5,198.30	-14,202.92	5,162.76	4,896.90	265.86	19.419		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1540-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	7,321.00	16,991.00	6,977.50	244.66	270.92	78.29	-5,198.30	-14,202.92	5,067.64	4,798.76	268.88	18.847		
17,200.00	7,321.00	16,991.00	6,977.50	246.97	270.92	78.29	-5,198.30	-14,202.92	4,972.72	4,700.70	272.02	18.280		
17,300.00	7,321.00	16,991.00	6,977.50	249.29	270.92	78.29	-5,198.30	-14,202.92	4,878.00	4,602.71	275.28	17.720		
17,400.00	7,321.00	16,991.00	6,977.50	251.63	270.92	78.29	-5,198.30	-14,202.92	4,783.49	4,504.82	278.67	17.165		
17,500.00	7,321.00	16,991.00	6,977.50	253.97	270.92	78.29	-5,198.30	-14,202.92	4,689.21	4,407.03	282.19	16.617		
17,600.00	7,321.00	16,991.00	6,977.50	256.32	270.92	78.29	-5,198.30	-14,202.92	4,595.18	4,309.34	285.84	16.076		
17,700.00	7,321.00	16,991.00	6,977.50	258.68	270.92	78.29	-5,198.30	-14,202.92	4,501.40	4,211.76	289.64	15.541		
17,800.00	7,321.00	16,991.00	6,977.50	261.05	270.92	78.29	-5,198.30	-14,202.92	4,407.89	4,114.30	293.60	15.013		
17,900.00	7,321.00	16,991.00	6,977.50	263.43	270.92	78.29	-5,198.30	-14,202.92	4,314.68	4,016.96	297.72	14.493		
18,000.00	7,321.00	16,991.00	6,977.50	265.81	270.92	78.29	-5,198.30	-14,202.92	4,221.78	3,919.77	302.01	13.979		
18,100.00	7,321.00	16,991.00	6,977.50	268.21	270.92	78.29	-5,198.30	-14,202.92	4,129.20	3,822.73	306.47	13.473		
18,200.00	7,321.00	16,991.00	6,977.50	270.61	270.92	78.29	-5,198.30	-14,202.92	4,036.99	3,725.85	311.13	12.975		
18,300.00	7,321.00	16,991.00	6,977.50	273.02	270.92	78.29	-5,198.30	-14,202.92	3,945.15	3,629.15	315.99	12.485		
18,400.00	7,321.00	16,991.00	6,977.50	275.43	270.92	78.29	-5,198.30	-14,202.92	3,853.71	3,532.65	321.07	12.003		
18,500.00	7,321.00	16,991.00	6,977.50	277.86	270.92	78.29	-5,198.30	-14,202.92	3,762.72	3,436.36	326.36	11.529		
18,600.00	7,321.00	16,991.00	6,977.50	280.28	270.92	78.29	-5,198.30	-14,202.92	3,672.19	3,340.30	331.89	11.064		
18,700.00	7,321.00	16,991.00	6,977.50	282.72	270.92	78.29	-5,198.30	-14,202.92	3,582.16	3,244.49	337.67	10.608		
18,800.00	7,321.00	16,991.00	6,977.50	285.16	270.92	78.29	-5,198.30	-14,202.92	3,492.68	3,148.97	343.71	10.162		
18,900.00	7,321.00	16,991.00	6,977.50	287.61	270.92	78.29	-5,198.30	-14,202.92	3,403.79	3,053.76	350.03	9.724		
19,000.00	7,321.00	16,991.00	6,977.50	290.06	270.92	78.29	-5,198.30	-14,202.92	3,315.52	2,958.89	356.63	9.297		
19,100.00	7,321.00	16,991.00	6,977.50	292.52	270.92	78.29	-5,198.30	-14,202.92	3,227.94	2,864.40	363.55	8.879		
19,200.00	7,321.00	16,991.00	6,977.50	294.99	270.92	78.29	-5,198.30	-14,202.92	3,141.11	2,770.33	370.77	8.472		
19,300.00	7,321.00	16,991.00	6,977.50	297.46	270.92	78.29	-5,198.30	-14,202.92	3,055.08	2,676.74	378.34	8.075		
19,400.00	7,321.00	16,991.00	6,977.50	299.94	270.92	78.29	-5,198.30	-14,202.92	2,969.92	2,583.67	386.25	7.689		
19,500.00	7,321.00	16,991.00	6,977.50	302.42	270.92	78.29	-5,198.30	-14,202.92	2,885.72	2,491.19	394.52	7.314		
19,600.00	7,321.00	16,991.00	6,977.50	304.90	270.92	78.29	-5,198.30	-14,202.92	2,802.55	2,399.38	403.17	6.951		
19,700.00	7,321.00	16,991.00	6,977.50	307.40	270.92	78.29	-5,198.30	-14,202.92	2,720.52	2,308.31	412.21	6.600		
19,800.00	7,321.00	16,991.00	6,977.50	309.89	270.92	78.29	-5,198.30	-14,202.92	2,639.72	2,218.09	421.64	6.261		
19,900.00	7,321.00	16,991.00	6,977.50	312.39	270.92	78.29	-5,198.30	-14,202.92	2,560.29	2,128.82	431.47	5.934		
20,000.00	7,321.00	16,991.00	6,977.50	314.90	270.92	78.29	-5,198.30	-14,202.92	2,482.34	2,040.65	441.69	5.620		
20,100.00	7,321.00	16,991.00	6,977.50	317.41	270.92	78.29	-5,198.30	-14,202.92	2,406.02	1,953.71	452.31	5.319		
20,200.00	7,321.00	16,991.00	6,977.50	319.92	270.92	78.29	-5,198.30	-14,202.92	2,331.50	1,868.18	463.31	5.032		
20,300.00	7,321.00	16,991.00	6,977.50	322.44	270.92	78.29	-5,198.30	-14,202.92	2,258.94	1,784.27	474.66	4.759		
20,400.00	7,321.00	16,991.00	6,977.50	324.96	270.92	78.29	-5,198.30	-14,202.92	2,188.55	1,702.21	486.33	4.500		
20,500.00	7,321.00	16,991.00	6,977.50	327.49	270.92	78.29	-5,198.30	-14,202.92	2,120.53	1,622.27	498.26	4.256		
20,600.00	7,321.00	16,991.00	6,977.50	330.02	270.92	78.29	-5,198.30	-14,202.92	2,055.14	1,544.75	510.39	4.027		
20,700.00	7,321.00	16,991.00	6,977.50	332.55	270.92	78.29	-5,198.30	-14,202.92	1,992.62	1,470.02	522.60	3.813		
20,800.00	7,321.00	16,991.00	6,977.50	335.09	270.92	78.29	-5,198.30	-14,202.92	1,933.25	1,398.46	534.79	3.615		
20,900.00	7,321.00	16,991.00	6,977.50	337.63	270.92	78.29	-5,198.30	-14,202.92	1,877.33	1,330.53	546.81	3.433		
21,000.00	7,321.00	16,991.00	6,977.50	340.17	270.92	78.29	-5,198.30	-14,202.92	1,825.19	1,266.72	558.47	3.268		
21,100.00	7,321.00	16,991.00	6,977.50	342.72	270.92	78.29	-5,198.30	-14,202.92	1,777.15	1,207.57	569.57	3.120		
21,200.00	7,321.00	16,991.00	6,977.50	345.27	270.92	78.29	-5,198.30	-14,202.92	1,733.55	1,153.68	579.87	2.990		
21,300.00	7,321.00	16,991.00	6,977.50	347.82	270.92	78.29	-5,198.30	-14,202.92	1,694.73	1,105.62	589.11	2.877		
21,400.00	7,321.00	16,991.00	6,977.50	350.38	270.92	78.29	-5,198.30	-14,202.92	1,661.04	1,064.02	597.01	2.782		
21,500.00	7,321.00	16,991.00	6,977.50	352.94	270.92	78.29	-5,198.30	-14,202.92	1,632.78	1,029.47	603.31	2.706		
21,600.00	7,321.00	16,991.00	6,977.50	355.50	270.92	78.29	-5,198.30	-14,202.92	1,610.25	1,002.50	607.75	2.650		
21,700.00	7,321.00	16,991.00	6,977.50	358.07	270.92	78.29	-5,198.30	-14,202.92	1,593.69	983.56	610.12	2.612		
21,746.26	7,321.00	16,991.00	6,977.50	359.25	270.92	78.29	-5,198.30	-14,202.92	1,588.10	977.63	610.47	2.601	CC, ES, SF	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1662-MWD OWSG, 11063-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	7,321.00	16,815.00	6,894.39	149.05	217.73	71.56	-5,533.66	-14,216.48	10,109.25	9,931.46	177.79	56.860		
12,000.00	7,321.00	16,815.00	6,894.39	150.22	217.73	71.56	-5,533.66	-14,216.48	10,010.06	9,831.77	178.29	56.144		
12,100.00	7,321.00	16,815.00	6,894.39	151.42	217.73	71.56	-5,533.66	-14,216.48	9,910.88	9,732.08	178.80	55.430		
12,200.00	7,321.00	16,815.00	6,894.39	152.66	217.73	71.56	-5,533.66	-14,216.48	9,811.72	9,632.40	179.32	54.716		
12,300.00	7,321.00	16,815.00	6,894.39	153.93	217.73	71.56	-5,533.66	-14,216.48	9,712.58	9,532.73	179.85	54.003		
12,400.00	7,321.00	16,815.00	6,894.39	155.22	217.73	71.56	-5,533.66	-14,216.48	9,613.46	9,433.06	180.40	53.290		
12,500.00	7,321.00	16,815.00	6,894.39	156.55	217.73	71.56	-5,533.66	-14,216.48	9,514.35	9,333.40	180.95	52.579		
12,600.00	7,321.00	16,815.00	6,894.39	157.91	217.73	71.56	-5,533.66	-14,216.48	9,415.27	9,233.74	181.52	51.868		
12,700.00	7,321.00	16,815.00	6,894.39	159.31	217.73	71.56	-5,533.66	-14,216.48	9,316.20	9,134.09	182.11	51.158		
12,800.00	7,321.00	16,815.00	6,894.39	160.73	217.73	71.56	-5,533.66	-14,216.48	9,217.15	9,034.45	182.70	50.449		
12,900.00	7,321.00	16,815.00	6,894.39	162.18	217.73	71.56	-5,533.66	-14,216.48	9,118.13	8,934.81	183.31	49.741		
13,000.00	7,321.00	16,815.00	6,894.39	163.67	217.73	71.56	-5,533.66	-14,216.48	9,019.12	8,835.18	183.94	49.033		
13,100.00	7,321.00	16,815.00	6,894.39	165.18	217.73	71.56	-5,533.66	-14,216.48	8,920.14	8,735.56	184.58	48.327		
13,200.00	7,321.00	16,815.00	6,894.39	166.73	217.73	71.56	-5,533.66	-14,216.48	8,821.18	8,635.94	185.24	47.621		
13,300.00	7,321.00	16,815.00	6,894.39	168.30	217.73	71.56	-5,533.66	-14,216.48	8,722.24	8,536.34	185.91	46.917		
13,400.00	7,321.00	16,815.00	6,894.39	169.90	217.73	71.56	-5,533.66	-14,216.48	8,623.33	8,436.74	186.60	46.214		
13,500.00	7,321.00	16,815.00	6,894.39	171.53	217.73	71.56	-5,533.66	-14,216.48	8,524.45	8,337.14	187.30	45.511		
13,600.00	7,321.00	16,815.00	6,894.39	173.19	217.73	71.56	-5,533.66	-14,216.48	8,425.59	8,237.56	188.03	44.810		
13,700.00	7,321.00	16,815.00	6,894.39	174.88	217.73	71.56	-5,533.66	-14,216.48	8,326.76	8,137.98	188.77	44.110		
13,800.00	7,321.00	16,815.00	6,894.39	176.59	217.73	71.56	-5,533.66	-14,216.48	8,227.95	8,038.42	189.53	43.412		
13,900.00	7,321.00	16,815.00	6,894.39	178.33	217.73	71.56	-5,533.66	-14,216.48	8,129.18	7,938.86	190.32	42.714		
14,000.00	7,321.00	16,815.00	6,894.39	180.09	217.73	71.56	-5,533.66	-14,216.48	8,030.43	7,839.31	191.12	42.018		
14,100.00	7,321.00	16,815.00	6,894.39	181.88	217.73	71.56	-5,533.66	-14,216.48	7,931.72	7,739.78	191.94	41.323		
14,200.00	7,321.00	16,815.00	6,894.39	183.70	217.73	71.56	-5,533.66	-14,216.48	7,833.04	7,640.25	192.79	40.630		
14,300.00	7,321.00	16,815.00	6,894.39	185.54	217.73	71.56	-5,533.66	-14,216.48	7,734.39	7,540.73	193.66	39.938		
14,400.00	7,321.00	16,815.00	6,894.39	187.40	217.73	71.56	-5,533.66	-14,216.48	7,635.78	7,441.23	194.56	39.247		
14,500.00	7,321.00	16,815.00	6,894.39	189.29	217.73	71.56	-5,533.66	-14,216.48	7,537.21	7,341.73	195.48	38.558		
14,600.00	7,321.00	16,815.00	6,894.39	191.20	217.73	71.56	-5,533.66	-14,216.48	7,438.67	7,242.25	196.42	37.871		
14,700.00	7,321.00	16,815.00	6,894.39	193.13	217.73	71.56	-5,533.66	-14,216.48	7,340.17	7,142.78	197.39	37.185		
14,800.00	7,321.00	16,815.00	6,894.39	195.08	217.73	71.56	-5,533.66	-14,216.48	7,241.72	7,043.32	198.40	36.501		
14,900.00	7,321.00	16,815.00	6,894.39	197.05	217.73	71.56	-5,533.66	-14,216.48	7,143.30	6,943.88	199.43	35.819		
15,000.00	7,321.00	16,815.00	6,894.39	199.04	217.73	71.56	-5,533.66	-14,216.48	7,044.94	6,844.45	200.49	35.139		
15,100.00	7,321.00	16,815.00	6,894.39	201.06	217.73	71.56	-5,533.66	-14,216.48	6,946.62	6,745.03	201.58	34.461		
15,200.00	7,321.00	16,815.00	6,894.39	203.09	217.73	71.56	-5,533.66	-14,216.48	6,848.34	6,645.63	202.71	33.784		
15,300.00	7,321.00	16,815.00	6,894.39	205.14	217.73	71.56	-5,533.66	-14,216.48	6,750.12	6,546.25	203.87	33.110		
15,400.00	7,321.00	16,815.00	6,894.39	207.21	217.73	71.56	-5,533.66	-14,216.48	6,651.95	6,446.88	205.07	32.438		
15,500.00	7,321.00	16,815.00	6,894.39	209.29	217.73	71.56	-5,533.66	-14,216.48	6,553.84	6,347.53	206.30	31.768		
15,600.00	7,321.00	16,815.00	6,894.39	211.39	217.73	71.56	-5,533.66	-14,216.48	6,455.78	6,248.20	207.58	31.101		
15,700.00	7,321.00	16,815.00	6,894.39	213.51	217.73	71.56	-5,533.66	-14,216.48	6,357.79	6,148.89	208.89	30.435		
15,800.00	7,321.00	16,815.00	6,894.39	215.65	217.73	71.56	-5,533.66	-14,216.48	6,259.85	6,049.60	210.25	29.773		
15,900.00	7,321.00	16,815.00	6,894.39	217.80	217.73	71.56	-5,533.66	-14,216.48	6,161.99	5,950.33	211.66	29.113		
16,000.00	7,321.00	16,815.00	6,894.39	219.96	217.73	71.56	-5,533.66	-14,216.48	6,064.19	5,851.08	213.11	28.455		
16,100.00	7,321.00	16,815.00	6,894.39	222.14	217.73	71.56	-5,533.66	-14,216.48	5,966.47	5,751.85	214.62	27.801		
16,200.00	7,321.00	16,815.00	6,894.39	224.34	217.73	71.56	-5,533.66	-14,216.48	5,868.82	5,652.65	216.17	27.149		
16,300.00	7,321.00	16,815.00	6,894.39	226.55	217.73	71.56	-5,533.66	-14,216.48	5,771.26	5,553.48	217.78	26.500		
16,400.00	7,321.00	16,815.00	6,894.39	228.77	217.73	71.56	-5,533.66	-14,216.48	5,673.78	5,454.33	219.45	25.855		
16,500.00	7,321.00	16,815.00	6,894.39	231.00	217.73	71.56	-5,533.66	-14,216.48	5,576.38	5,355.21	221.18	25.212		
16,600.00	7,321.00	16,815.00	6,894.39	233.25	217.73	71.56	-5,533.66	-14,216.48	5,479.09	5,256.12	222.97	24.573		
16,700.00	7,321.00	16,815.00	6,894.39	235.51	217.73	71.56	-5,533.66	-14,216.48	5,381.89	5,157.06	224.83	23.938		
16,800.00	7,321.00	16,815.00	6,894.39	237.78	217.73	71.56	-5,533.66	-14,216.48	5,284.79	5,058.04	226.75	23.306		
16,900.00	7,321.00	16,815.00	6,894.39	240.06	217.73	71.56	-5,533.66	-14,216.48	5,187.81	4,959.05	228.76	22.678		
17,000.00	7,321.00	16,815.00	6,894.39	242.35	217.73	71.56	-5,533.66	-14,216.48	5,090.94	4,860.10	230.84	22.054		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1662-MWD OWSG, 11063-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	7,321.00	16,815.00	6,894.39	244.66	217.73	71.56	-5,533.66	-14,216.48	4,994.20	4,761.20	233.00	21.434		
17,200.00	7,321.00	16,815.00	6,894.39	246.97	217.73	71.56	-5,533.66	-14,216.48	4,897.59	4,662.34	235.25	20.818		
17,300.00	7,321.00	16,815.00	6,894.39	249.29	217.73	71.56	-5,533.66	-14,216.48	4,801.11	4,563.52	237.59	20.207		
17,400.00	7,321.00	16,815.00	6,894.39	251.63	217.73	71.56	-5,533.66	-14,216.48	4,704.79	4,464.75	240.03	19.601		
17,500.00	7,321.00	16,815.00	6,894.39	253.97	217.73	71.56	-5,533.66	-14,216.48	4,608.62	4,366.04	242.57	18.999		
17,600.00	7,321.00	16,815.00	6,894.39	256.32	217.73	71.56	-5,533.66	-14,216.48	4,512.61	4,267.39	245.23	18.402		
17,700.00	7,321.00	16,815.00	6,894.39	258.68	217.73	71.56	-5,533.66	-14,216.48	4,416.79	4,168.80	247.99	17.810		
17,800.00	7,321.00	16,815.00	6,894.39	261.05	217.73	71.56	-5,533.66	-14,216.48	4,321.15	4,070.27	250.88	17.224		
17,900.00	7,321.00	16,815.00	6,894.39	263.43	217.73	71.56	-5,533.66	-14,216.48	4,225.71	3,971.82	253.90	16.643		
18,000.00	7,321.00	16,815.00	6,894.39	265.81	217.73	71.56	-5,533.66	-14,216.48	4,130.50	3,873.44	257.05	16.069		
18,100.00	7,321.00	16,815.00	6,894.39	268.21	217.73	71.56	-5,533.66	-14,216.48	4,035.51	3,775.15	260.35	15.500		
18,200.00	7,321.00	16,815.00	6,894.39	270.61	217.73	71.56	-5,533.66	-14,216.48	3,940.77	3,676.96	263.81	14.938		
18,300.00	7,321.00	16,815.00	6,894.39	273.02	217.73	71.56	-5,533.66	-14,216.48	3,846.29	3,578.86	267.43	14.382		
18,400.00	7,321.00	16,815.00	6,894.39	275.43	217.73	71.56	-5,533.66	-14,216.48	3,752.11	3,480.88	271.23	13.834		
18,500.00	7,321.00	16,815.00	6,894.39	277.86	217.73	71.56	-5,533.66	-14,216.48	3,658.23	3,383.01	275.22	13.292		
18,600.00	7,321.00	16,815.00	6,894.39	280.28	217.73	71.56	-5,533.66	-14,216.48	3,564.68	3,285.28	279.40	12.758		
18,700.00	7,321.00	16,815.00	6,894.39	282.72	217.73	71.56	-5,533.66	-14,216.48	3,471.50	3,187.70	283.80	12.232		
18,800.00	7,321.00	16,815.00	6,894.39	285.16	217.73	71.56	-5,533.66	-14,216.48	3,378.70	3,090.27	288.43	11.714		
18,900.00	7,321.00	16,815.00	6,894.39	287.61	217.73	71.56	-5,533.66	-14,216.48	3,286.33	2,993.03	293.30	11.205		
19,000.00	7,321.00	16,815.00	6,894.39	290.06	217.73	71.56	-5,533.66	-14,216.48	3,194.41	2,895.99	298.43	10.704		
19,100.00	7,321.00	16,815.00	6,894.39	292.52	217.73	71.56	-5,533.66	-14,216.48	3,103.00	2,799.17	303.83	10.213		
19,200.00	7,321.00	16,815.00	6,894.39	294.99	217.73	71.56	-5,533.66	-14,216.48	3,012.13	2,702.60	309.53	9.731		
19,300.00	7,321.00	16,815.00	6,894.39	297.46	217.73	71.56	-5,533.66	-14,216.48	2,921.86	2,606.31	315.55	9.260		
19,400.00	7,321.00	16,815.00	6,894.39	299.94	217.73	71.56	-5,533.66	-14,216.48	2,832.24	2,510.34	321.90	8.798		
19,500.00	7,321.00	16,815.00	6,894.39	302.42	217.73	71.56	-5,533.66	-14,216.48	2,743.34	2,414.73	328.61	8.348		
19,600.00	7,321.00	16,815.00	6,894.39	304.90	217.73	71.56	-5,533.66	-14,216.48	2,655.23	2,319.53	335.70	7.910		
19,700.00	7,321.00	16,815.00	6,894.39	307.40	217.73	71.56	-5,533.66	-14,216.48	2,567.99	2,224.80	343.19	7.483		
19,800.00	7,321.00	16,815.00	6,894.39	309.89	217.73	71.56	-5,533.66	-14,216.48	2,481.71	2,130.60	351.11	7.068		
19,900.00	7,321.00	16,815.00	6,894.39	312.39	217.73	71.56	-5,533.66	-14,216.48	2,396.50	2,037.03	359.48	6.667		
20,000.00	7,321.00	16,815.00	6,894.39	314.90	217.73	71.56	-5,533.66	-14,216.48	2,312.48	1,944.17	368.31	6.279		
20,100.00	7,321.00	16,815.00	6,894.39	317.41	217.73	71.56	-5,533.66	-14,216.48	2,229.77	1,852.15	377.63	5.905		
20,200.00	7,321.00	16,815.00	6,894.39	319.92	217.73	71.56	-5,533.66	-14,216.48	2,148.54	1,761.09	387.45	5.545		
20,300.00	7,321.00	16,815.00	6,894.39	322.44	217.73	71.56	-5,533.66	-14,216.48	2,068.95	1,671.18	397.77	5.201		
20,400.00	7,321.00	16,815.00	6,894.39	324.96	217.73	71.56	-5,533.66	-14,216.48	1,991.20	1,582.60	408.60	4.873		
20,500.00	7,321.00	16,815.00	6,894.39	327.49	217.73	71.56	-5,533.66	-14,216.48	1,915.52	1,495.61	419.91	4.562		
20,600.00	7,321.00	16,815.00	6,894.39	330.02	217.73	71.56	-5,533.66	-14,216.48	1,842.16	1,410.48	431.67	4.267		
20,700.00	7,321.00	16,815.00	6,894.39	332.55	217.73	71.56	-5,533.66	-14,216.48	1,771.40	1,327.58	443.82	3.991		
20,800.00	7,321.00	16,815.00	6,894.39	335.09	217.73	71.56	-5,533.66	-14,216.48	1,703.58	1,247.31	456.28	3.734		
20,900.00	7,321.00	16,815.00	6,894.39	337.63	217.73	71.56	-5,533.66	-14,216.48	1,639.06	1,170.17	468.89	3.496		
21,000.00	7,321.00	16,815.00	6,894.39	340.17	217.73	71.56	-5,533.66	-14,216.48	1,578.24	1,096.74	481.50	3.278		
21,100.00	7,321.00	16,815.00	6,894.39	342.72	217.73	71.56	-5,533.66	-14,216.48	1,521.57	1,027.70	493.87	3.081		
21,200.00	7,321.00	16,815.00	6,894.39	345.27	217.73	71.56	-5,533.66	-14,216.48	1,469.53	963.83	505.69	2.906		
21,300.00	7,321.00	16,815.00	6,894.39	347.82	217.73	71.56	-5,533.66	-14,216.48	1,422.62	905.99	516.63	2.754		
21,400.00	7,321.00	16,815.00	6,894.39	350.38	217.73	71.56	-5,533.66	-14,216.48	1,381.36	855.10	526.26	2.625		
21,500.00	7,321.00	16,815.00	6,894.39	352.94	217.73	71.56	-5,533.66	-14,216.48	1,346.29	812.14	534.15	2.520		
21,600.00	7,321.00	16,815.00	6,894.39	355.50	217.73	71.56	-5,533.66	-14,216.48	1,317.89	778.03	539.85	2.441		
21,700.00	7,321.00	16,815.00	6,894.39	358.07	217.73	71.56	-5,533.66	-14,216.48	1,296.59	753.64	542.95	2.388		
21,746.26	7,321.00	16,815.00	6,894.39	359.25	217.73	71.56	-5,533.66	-14,216.48	1,289.25	745.83	543.42	2.372	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 MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 5-T6N-R67W - VARRA 3 - Wellbore #1 - Wellbore #1		Offset Site Error: 0.00 usft	
Survey Program: 1662-MWD OWSG													Offset Well Error: 0.00 usft			
Reference		Offset		Semi Major Axis		Distance							Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	7,321.00	15,135.00	6,838.83	173.19	225.16	69.54	-5,511.15	-15,893.47	10,091.22	9,913.44	177.78	56.764				
13,700.00	7,321.00	15,135.00	6,838.83	174.88	225.16	69.54	-5,511.15	-15,893.47	9,992.08	9,813.71	178.37	56.020				
13,800.00	7,321.00	15,135.00	6,838.83	176.59	225.16	69.54	-5,511.15	-15,893.47	9,892.95	9,713.98	178.97	55.277				
13,900.00	7,321.00	15,135.00	6,838.83	178.33	225.16	69.54	-5,511.15	-15,893.47	9,793.85	9,614.26	179.59	54.535				
14,000.00	7,321.00	15,135.00	6,838.83	180.09	225.16	69.54	-5,511.15	-15,893.47	9,694.76	9,514.54	180.22	53.795				
14,100.00	7,321.00	15,135.00	6,838.83	181.88	225.16	69.54	-5,511.15	-15,893.47	9,595.69	9,414.83	180.86	53.055				
14,200.00	7,321.00	15,135.00	6,838.83	183.70	225.16	69.54	-5,511.15	-15,893.47	9,496.64	9,315.12	181.52	52.317				
14,300.00	7,321.00	15,135.00	6,838.83	185.54	225.16	69.54	-5,511.15	-15,893.47	9,397.61	9,215.42	182.20	51.580				
14,400.00	7,321.00	15,135.00	6,838.83	187.40	225.16	69.54	-5,511.15	-15,893.47	9,298.61	9,115.72	182.89	50.844				
14,500.00	7,321.00	15,135.00	6,838.83	189.29	225.16	69.54	-5,511.15	-15,893.47	9,199.62	9,016.03	183.59	50.109				
14,600.00	7,321.00	15,135.00	6,838.83	191.20	225.16	69.54	-5,511.15	-15,893.47	9,100.65	8,916.34	184.31	49.376				
14,700.00	7,321.00	15,135.00	6,838.83	193.13	225.16	69.54	-5,511.15	-15,893.47	9,001.71	8,816.66	185.05	48.644				
14,800.00	7,321.00	15,135.00	6,838.83	195.08	225.16	69.54	-5,511.15	-15,893.47	8,902.79	8,716.98	185.81	47.913				
14,900.00	7,321.00	15,135.00	6,838.83	197.05	225.16	69.54	-5,511.15	-15,893.47	8,803.90	8,617.32	186.59	47.184				
15,000.00	7,321.00	15,135.00	6,838.83	199.04	225.16	69.54	-5,511.15	-15,893.47	8,705.03	8,517.65	187.38	46.457				
15,100.00	7,321.00	15,135.00	6,838.83	201.06	225.16	69.54	-5,511.15	-15,893.47	8,606.19	8,418.00	188.19	45.731				
15,200.00	7,321.00	15,135.00	6,838.83	203.09	225.16	69.54	-5,511.15	-15,893.47	8,507.38	8,318.35	189.03	45.006				
15,300.00	7,321.00	15,135.00	6,838.83	205.14	225.16	69.54	-5,511.15	-15,893.47	8,408.59	8,218.71	189.88	44.284				
15,400.00	7,321.00	15,135.00	6,838.83	207.21	225.16	69.54	-5,511.15	-15,893.47	8,309.83	8,119.08	190.76	43.563				
15,500.00	7,321.00	15,135.00	6,838.83	209.29	225.16	69.54	-5,511.15	-15,893.47	8,211.10	8,019.45	191.65	42.843				
15,600.00	7,321.00	15,135.00	6,838.83	211.39	225.16	69.54	-5,511.15	-15,893.47	8,112.41	7,919.83	192.58	42.126				
15,700.00	7,321.00	15,135.00	6,838.83	213.51	225.16	69.54	-5,511.15	-15,893.47	8,013.74	7,820.22	193.52	41.410				
15,800.00	7,321.00	15,135.00	6,838.83	215.65	225.16	69.54	-5,511.15	-15,893.47	7,915.11	7,720.62	194.49	40.697				
15,900.00	7,321.00	15,135.00	6,838.83	217.80	225.16	69.54	-5,511.15	-15,893.47	7,816.52	7,621.03	195.49	39.985				
16,000.00	7,321.00	15,135.00	6,838.83	219.96	225.16	69.54	-5,511.15	-15,893.47	7,717.96	7,521.45	196.51	39.275				
16,100.00	7,321.00	15,135.00	6,838.83	222.14	225.16	69.54	-5,511.15	-15,893.47	7,619.43	7,421.87	197.56	38.567				
16,200.00	7,321.00	15,135.00	6,838.83	224.34	225.16	69.54	-5,511.15	-15,893.47	7,520.95	7,322.31	198.64	37.862				
16,300.00	7,321.00	15,135.00	6,838.83	226.55	225.16	69.54	-5,511.15	-15,893.47	7,422.51	7,222.76	199.75	37.159				
16,400.00	7,321.00	15,135.00	6,838.83	228.77	225.16	69.54	-5,511.15	-15,893.47	7,324.11	7,123.21	200.89	36.458				
16,500.00	7,321.00	15,135.00	6,838.83	231.00	225.16	69.54	-5,511.15	-15,893.47	7,225.75	7,023.68	202.07	35.759				
16,600.00	7,321.00	15,135.00	6,838.83	233.25	225.16	69.54	-5,511.15	-15,893.47	7,127.44	6,924.16	203.28	35.063				
16,700.00	7,321.00	15,135.00	6,838.83	235.51	225.16	69.54	-5,511.15	-15,893.47	7,029.18	6,824.66	204.52	34.369				
16,800.00	7,321.00	15,135.00	6,838.83	237.78	225.16	69.54	-5,511.15	-15,893.47	6,930.96	6,725.16	205.80	33.678				
16,900.00	7,321.00	15,135.00	6,838.83	240.06	225.16	69.54	-5,511.15	-15,893.47	6,832.80	6,625.68	207.12	32.990				
17,000.00	7,321.00	15,135.00	6,838.83	242.35	225.16	69.54	-5,511.15	-15,893.47	6,734.69	6,526.22	208.48	32.304				
17,100.00	7,321.00	15,135.00	6,838.83	244.66	225.16	69.54	-5,511.15	-15,893.47	6,636.64	6,426.77	209.88	31.621				
17,200.00	7,321.00	15,135.00	6,838.83	246.97	225.16	69.54	-5,511.15	-15,893.47	6,538.65	6,327.33	211.32	30.942				
17,300.00	7,321.00	15,135.00	6,838.83	249.29	225.16	69.54	-5,511.15	-15,893.47	6,440.72	6,227.91	212.81	30.265				
17,400.00	7,321.00	15,135.00	6,838.83	251.63	225.16	69.54	-5,511.15	-15,893.47	6,342.86	6,128.51	214.35	29.591				
17,500.00	7,321.00	15,135.00	6,838.83	253.97	225.16	69.54	-5,511.15	-15,893.47	6,245.06	6,029.12	215.94	28.921				
17,600.00	7,321.00	15,135.00	6,838.83	256.32	225.16	69.54	-5,511.15	-15,893.47	6,147.33	5,929.75	217.58	28.254				
17,700.00	7,321.00	15,135.00	6,838.83	258.68	225.16	69.54	-5,511.15	-15,893.47	6,049.68	5,830.41	219.27	27.590				
17,800.00	7,321.00	15,135.00	6,838.83	261.05	225.16	69.54	-5,511.15	-15,893.47	5,952.10	5,731.08	221.02	26.930				
17,900.00	7,321.00	15,135.00	6,838.83	263.43	225.16	69.54	-5,511.15	-15,893.47	5,854.61	5,631.78	222.83	26.274				
18,000.00	7,321.00	15,135.00	6,838.83	265.81	225.16	69.54	-5,511.15	-15,893.47	5,757.20	5,532.50	224.70	25.621				
18,100.00	7,321.00	15,135.00	6,838.83	268.21	225.16	69.54	-5,511.15	-15,893.47	5,659.88	5,433.24	226.64	24.973				
18,200.00	7,321.00	15,135.00	6,838.83	270.61	225.16	69.54	-5,511.15	-15,893.47	5,562.66	5,334.01	228.65	24.328				
18,300.00	7,321.00	15,135.00	6,838.83	273.02	225.16	69.54	-5,511.15	-15,893.47	5,465.54	5,234.81	230.73	23.688				
18,400.00	7,321.00	15,135.00	6,838.83	275.43	225.16	69.54	-5,511.15	-15,893.47	5,368.53	5,135.63	232.89	23.052				
18,500.00	7,321.00	15,135.00	6,838.83	277.86	225.16	69.54	-5,511.15	-15,893.47	5,271.62	5,036.49	235.13	22.420				
18,600.00	7,321.00	15,135.00	6,838.83	280.28	225.16	69.54	-5,511.15	-15,893.47	5,174.84	4,937.38	237.45	21.793				
18,700.00	7,321.00	15,135.00	6,838.83	282.72	225.16	69.54	-5,511.15	-15,893.47	5,078.17	4,838.31	239.86	21.171				

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1662-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
18,800.00	7,321.00	15,135.00	6,838.83	285.16	225.16	69.54	-5,511.15	-15,893.47	4,981.64	4,739.27	242.37	20.554		
18,900.00	7,321.00	15,135.00	6,838.83	287.61	225.16	69.54	-5,511.15	-15,893.47	4,885.25	4,640.28	244.97	19.942		
19,000.00	7,321.00	15,135.00	6,838.83	290.06	225.16	69.54	-5,511.15	-15,893.47	4,789.01	4,541.33	247.68	19.335		
19,100.00	7,321.00	15,135.00	6,838.83	292.52	225.16	69.54	-5,511.15	-15,893.47	4,692.92	4,442.42	250.50	18.734		
19,200.00	7,321.00	15,135.00	6,838.83	294.99	225.16	69.54	-5,511.15	-15,893.47	4,597.01	4,343.57	253.44	18.139		
19,300.00	7,321.00	15,135.00	6,838.83	297.46	225.16	69.54	-5,511.15	-15,893.47	4,501.27	4,244.77	256.50	17.549		
19,400.00	7,321.00	15,135.00	6,838.83	299.94	225.16	69.54	-5,511.15	-15,893.47	4,405.71	4,146.02	259.69	16.965		
19,500.00	7,321.00	15,135.00	6,838.83	302.42	225.16	69.54	-5,511.15	-15,893.47	4,310.36	4,047.35	263.02	16.388		
19,600.00	7,321.00	15,135.00	6,838.83	304.90	225.16	69.54	-5,511.15	-15,893.47	4,215.23	3,948.74	266.50	15.817		
19,700.00	7,321.00	15,135.00	6,838.83	307.40	225.16	69.54	-5,511.15	-15,893.47	4,120.33	3,850.20	270.13	15.253		
19,800.00	7,321.00	15,135.00	6,838.83	309.89	225.16	69.54	-5,511.15	-15,893.47	4,025.67	3,751.74	273.93	14.696		
19,900.00	7,321.00	15,135.00	6,838.83	312.39	225.16	69.54	-5,511.15	-15,893.47	3,931.28	3,653.38	277.90	14.146		
20,000.00	7,321.00	15,135.00	6,838.83	314.90	225.16	69.54	-5,511.15	-15,893.47	3,837.17	3,555.11	282.06	13.604		
20,100.00	7,321.00	15,135.00	6,838.83	317.41	225.16	69.54	-5,511.15	-15,893.47	3,743.37	3,456.95	286.42	13.069		
20,200.00	7,321.00	15,135.00	6,838.83	319.92	225.16	69.54	-5,511.15	-15,893.47	3,649.89	3,358.90	290.99	12.543		
20,300.00	7,321.00	15,135.00	6,838.83	322.44	225.16	69.54	-5,511.15	-15,893.47	3,556.78	3,260.99	295.79	12.025		
20,400.00	7,321.00	15,135.00	6,838.83	324.96	225.16	69.54	-5,511.15	-15,893.47	3,464.04	3,163.21	300.83	11.515		
20,500.00	7,321.00	15,135.00	6,838.83	327.49	225.16	69.54	-5,511.15	-15,893.47	3,371.72	3,065.60	306.12	11.014		
20,600.00	7,321.00	15,135.00	6,838.83	330.02	225.16	69.54	-5,511.15	-15,893.47	3,279.85	2,968.17	311.68	10.523		
20,700.00	7,321.00	15,135.00	6,838.83	332.55	225.16	69.54	-5,511.15	-15,893.47	3,188.47	2,870.93	317.54	10.041		
20,800.00	7,321.00	15,135.00	6,838.83	335.09	225.16	69.54	-5,511.15	-15,893.47	3,097.62	2,773.92	323.70	9.569		
20,900.00	7,321.00	15,135.00	6,838.83	337.63	225.16	69.54	-5,511.15	-15,893.47	3,007.36	2,677.16	330.20	9.108		
21,000.00	7,321.00	15,135.00	6,838.83	340.17	225.16	69.54	-5,511.15	-15,893.47	2,917.73	2,580.68	337.04	8.657		
21,100.00	7,321.00	15,135.00	6,838.83	342.72	225.16	69.54	-5,511.15	-15,893.47	2,828.79	2,484.53	344.26	8.217		
21,200.00	7,321.00	15,135.00	6,838.83	345.27	225.16	69.54	-5,511.15	-15,893.47	2,740.62	2,388.74	351.87	7.789		
21,300.00	7,321.00	15,135.00	6,838.83	347.82	225.16	69.54	-5,511.15	-15,893.47	2,653.28	2,293.37	359.91	7.372		
21,400.00	7,321.00	15,135.00	6,838.83	350.38	225.16	69.54	-5,511.15	-15,893.47	2,566.87	2,198.49	368.38	6.968		
21,500.00	7,321.00	15,135.00	6,838.83	352.94	225.16	69.54	-5,511.15	-15,893.47	2,481.48	2,104.15	377.33	6.576		
21,600.00	7,321.00	15,135.00	6,838.83	355.50	225.16	69.54	-5,511.15	-15,893.47	2,397.22	2,010.46	386.76	6.198		
21,700.00	7,321.00	15,135.00	6,838.83	358.07	225.16	69.54	-5,511.15	-15,893.47	2,314.22	1,917.52	396.70	5.834		
21,746.26	7,321.00	15,135.00	6,838.83	359.25	225.16	69.54	-5,511.15	-15,893.47	2,276.28	1,874.81	401.47	5.670	CC, ES, SF	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 5-T6N-R67W - VARRA 4 - Wellbore #1 - Wellbore #1		Offset Site Error:		0.00 usft
Survey Program: 1757-MWD OWSG														Offset Well Error:		0.00 usft	
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
11,800.00	7,321.00	17,130.00	7,210.02	147.91	271.45	85.38	-5,656.82	-14,198.35	10,168.75	9,994.65	174.10	58.408					
11,900.00	7,321.00	17,130.00	7,210.02	149.05	271.45	85.38	-5,656.82	-14,198.35	10,069.33	9,894.73	174.61	57.669					
12,000.00	7,321.00	17,130.00	7,210.02	150.22	271.45	85.38	-5,656.82	-14,198.35	9,969.93	9,794.80	175.12	56.931					
12,100.00	7,321.00	17,130.00	7,210.02	151.42	271.45	85.38	-5,656.82	-14,198.35	9,870.53	9,694.88	175.65	56.194					
12,200.00	7,321.00	17,130.00	7,210.02	152.66	271.45	85.38	-5,656.82	-14,198.35	9,771.15	9,594.96	176.19	55.458					
12,300.00	7,321.00	17,130.00	7,210.02	153.93	271.45	85.38	-5,656.82	-14,198.35	9,671.78	9,495.04	176.74	54.723					
12,400.00	7,321.00	17,130.00	7,210.02	155.22	271.45	85.38	-5,656.82	-14,198.35	9,572.43	9,395.12	177.31	53.988					
12,500.00	7,321.00	17,130.00	7,210.02	156.55	271.45	85.38	-5,656.82	-14,198.35	9,473.09	9,295.20	177.88	53.254					
12,600.00	7,321.00	17,130.00	7,210.02	157.91	271.45	85.38	-5,656.82	-14,198.35	9,373.76	9,195.28	178.48	52.521					
12,700.00	7,321.00	17,130.00	7,210.02	159.31	271.45	85.38	-5,656.82	-14,198.35	9,274.45	9,095.37	179.08	51.789					
12,800.00	7,321.00	17,130.00	7,210.02	160.73	271.45	85.38	-5,656.82	-14,198.35	9,175.15	8,995.45	179.70	51.058					
12,900.00	7,321.00	17,130.00	7,210.02	162.18	271.45	85.38	-5,656.82	-14,198.35	9,075.87	8,895.53	180.33	50.328					
13,000.00	7,321.00	17,130.00	7,210.02	163.67	271.45	85.38	-5,656.82	-14,198.35	8,976.60	8,795.62	180.98	49.599					
13,100.00	7,321.00	17,130.00	7,210.02	165.18	271.45	85.38	-5,656.82	-14,198.35	8,877.35	8,695.70	181.65	48.871					
13,200.00	7,321.00	17,130.00	7,210.02	166.73	271.45	85.38	-5,656.82	-14,198.35	8,778.12	8,595.79	182.33	48.144					
13,300.00	7,321.00	17,130.00	7,210.02	168.30	271.45	85.38	-5,656.82	-14,198.35	8,678.90	8,495.87	183.03	47.419					
13,400.00	7,321.00	17,130.00	7,210.02	169.90	271.45	85.38	-5,656.82	-14,198.35	8,579.71	8,395.96	183.74	46.694					
13,500.00	7,321.00	17,130.00	7,210.02	171.53	271.45	85.38	-5,656.82	-14,198.35	8,480.53	8,296.05	184.48	45.971					
13,600.00	7,321.00	17,130.00	7,210.02	173.19	271.45	85.38	-5,656.82	-14,198.35	8,381.37	8,196.14	185.23	45.249					
13,700.00	7,321.00	17,130.00	7,210.02	174.88	271.45	85.38	-5,656.82	-14,198.35	8,282.23	8,096.23	186.00	44.528					
13,800.00	7,321.00	17,130.00	7,210.02	176.59	271.45	85.38	-5,656.82	-14,198.35	8,183.11	7,996.32	186.79	43.808					
13,900.00	7,321.00	17,130.00	7,210.02	178.33	271.45	85.38	-5,656.82	-14,198.35	8,084.02	7,896.41	187.61	43.090					
14,000.00	7,321.00	17,130.00	7,210.02	180.09	271.45	85.38	-5,656.82	-14,198.35	7,984.94	7,796.50	188.44	42.374					
14,100.00	7,321.00	17,130.00	7,210.02	181.88	271.45	85.38	-5,656.82	-14,198.35	7,885.89	7,696.60	189.30	41.659					
14,200.00	7,321.00	17,130.00	7,210.02	183.70	271.45	85.38	-5,656.82	-14,198.35	7,786.87	7,596.69	190.18	40.945					
14,300.00	7,321.00	17,130.00	7,210.02	185.54	271.45	85.38	-5,656.82	-14,198.35	7,687.87	7,496.78	191.08	40.233					
14,400.00	7,321.00	17,130.00	7,210.02	187.40	271.45	85.38	-5,656.82	-14,198.35	7,588.89	7,396.88	192.01	39.523					
14,500.00	7,321.00	17,130.00	7,210.02	189.29	271.45	85.38	-5,656.82	-14,198.35	7,489.95	7,296.98	192.97	38.814					
14,600.00	7,321.00	17,130.00	7,210.02	191.20	271.45	85.38	-5,656.82	-14,198.35	7,391.03	7,197.08	193.95	38.108					
14,700.00	7,321.00	17,130.00	7,210.02	193.13	271.45	85.38	-5,656.82	-14,198.35	7,292.14	7,097.17	194.96	37.403					
14,800.00	7,321.00	17,130.00	7,210.02	195.08	271.45	85.38	-5,656.82	-14,198.35	7,193.28	6,997.27	196.00	36.699					
14,900.00	7,321.00	17,130.00	7,210.02	197.05	271.45	85.38	-5,656.82	-14,198.35	7,094.45	6,897.38	197.08	35.998					
15,000.00	7,321.00	17,130.00	7,210.02	199.04	271.45	85.38	-5,656.82	-14,198.35	6,995.66	6,797.48	198.18	35.299					
15,100.00	7,321.00	17,130.00	7,210.02	201.06	271.45	85.38	-5,656.82	-14,198.35	6,896.90	6,697.58	199.32	34.602					
15,200.00	7,321.00	17,130.00	7,210.02	203.09	271.45	85.38	-5,656.82	-14,198.35	6,798.18	6,597.69	200.49	33.908					
15,300.00	7,321.00	17,130.00	7,210.02	205.14	271.45	85.38	-5,656.82	-14,198.35	6,699.50	6,497.80	201.70	33.215					
15,400.00	7,321.00	17,130.00	7,210.02	207.21	271.45	85.38	-5,656.82	-14,198.35	6,600.85	6,397.90	202.95	32.525					
15,500.00	7,321.00	17,130.00	7,210.02	209.29	271.45	85.38	-5,656.82	-14,198.35	6,502.25	6,298.01	204.23	31.837					
15,600.00	7,321.00	17,130.00	7,210.02	211.39	271.45	85.38	-5,656.82	-14,198.35	6,403.69	6,198.13	205.56	31.152					
15,700.00	7,321.00	17,130.00	7,210.02	213.51	271.45	85.38	-5,656.82	-14,198.35	6,305.17	6,098.24	206.93	30.469					
15,800.00	7,321.00	17,130.00	7,210.02	215.65	271.45	85.38	-5,656.82	-14,198.35	6,206.71	5,998.36	208.35	29.790					
15,900.00	7,321.00	17,130.00	7,210.02	217.80	271.45	85.38	-5,656.82	-14,198.35	6,108.29	5,898.47	209.82	29.112					
16,000.00	7,321.00	17,130.00	7,210.02	219.96	271.45	85.38	-5,656.82	-14,198.35	6,009.93	5,798.59	211.33	28.438					
16,100.00	7,321.00	17,130.00	7,210.02	222.14	271.45	85.38	-5,656.82	-14,198.35	5,911.62	5,698.72	212.90	27.767					
16,200.00	7,321.00	17,130.00	7,210.02	224.34	271.45	85.38	-5,656.82	-14,198.35	5,813.36	5,598.84	214.52	27.099					
16,300.00	7,321.00	17,130.00	7,210.02	226.55	271.45	85.38	-5,656.82	-14,198.35	5,715.17	5,498.97	216.21	26.434					
16,400.00	7,321.00	17,130.00	7,210.02	228.77	271.45	85.38	-5,656.82	-14,198.35	5,617.04	5,399.10	217.95	25.772					
16,500.00	7,321.00	17,130.00	7,210.02	231.00	271.45	85.38	-5,656.82	-14,198.35	5,518.98	5,299.23	219.75	25.114					
16,600.00	7,321.00	17,130.00	7,210.02	233.25	271.45	85.38	-5,656.82	-14,198.35	5,420.99	5,199.37	221.63	24.460					
16,700.00	7,321.00	17,130.00	7,210.02	235.51	271.45	85.38	-5,656.82	-14,198.35	5,323.08	5,099.51	223.57	23.809					
16,800.00	7,321.00	17,130.00	7,210.02	237.78	271.45	85.38	-5,656.82	-14,198.35	5,225.24	4,999.65	225.59	23.162					
16,900.00	7,321.00	17,130.00	7,210.02	240.06	271.45	85.38	-5,656.82	-14,198.35	5,127.49	4,899.80	227.69	22.520					

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1757-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
17,000.00	7,321.00	17,130.00	7,210.02	242.35	271.45	85.38	-5,656.82	-14,198.35	5,029.83	4,799.96	229.87	21.881		
17,100.00	7,321.00	17,130.00	7,210.02	244.66	271.45	85.38	-5,656.82	-14,198.35	4,932.26	4,700.11	232.14	21.247		
17,200.00	7,321.00	17,130.00	7,210.02	246.97	271.45	85.38	-5,656.82	-14,198.35	4,834.79	4,600.28	234.51	20.617		
17,300.00	7,321.00	17,130.00	7,210.02	249.29	271.45	85.38	-5,656.82	-14,198.35	4,737.42	4,500.45	236.97	19.992		
17,400.00	7,321.00	17,130.00	7,210.02	251.63	271.45	85.38	-5,656.82	-14,198.35	4,640.17	4,400.63	239.54	19.372		
17,500.00	7,321.00	17,130.00	7,210.02	253.97	271.45	85.38	-5,656.82	-14,198.35	4,543.03	4,300.82	242.21	18.756		
17,600.00	7,321.00	17,130.00	7,210.02	256.32	271.45	85.38	-5,656.82	-14,198.35	4,446.02	4,201.01	245.01	18.146		
17,700.00	7,321.00	17,130.00	7,210.02	258.68	271.45	85.38	-5,656.82	-14,198.35	4,349.15	4,101.22	247.93	17.542		
17,800.00	7,321.00	17,130.00	7,210.02	261.05	271.45	85.38	-5,656.82	-14,198.35	4,252.43	4,001.44	250.99	16.943		
17,900.00	7,321.00	17,130.00	7,210.02	263.43	271.45	85.38	-5,656.82	-14,198.35	4,155.85	3,901.67	254.18	16.350		
18,000.00	7,321.00	17,130.00	7,210.02	265.81	271.45	85.38	-5,656.82	-14,198.35	4,059.45	3,801.91	257.53	15.763		
18,100.00	7,321.00	17,130.00	7,210.02	268.21	271.45	85.38	-5,656.82	-14,198.35	3,963.22	3,702.18	261.04	15.182		
18,200.00	7,321.00	17,130.00	7,210.02	270.61	271.45	85.38	-5,656.82	-14,198.35	3,867.18	3,602.46	264.73	14.608		
18,300.00	7,321.00	17,130.00	7,210.02	273.02	271.45	85.38	-5,656.82	-14,198.35	3,771.35	3,502.76	268.59	14.041		
18,400.00	7,321.00	17,130.00	7,210.02	275.43	271.45	85.38	-5,656.82	-14,198.35	3,675.74	3,403.08	272.66	13.481		
18,500.00	7,321.00	17,130.00	7,210.02	277.86	271.45	85.38	-5,656.82	-14,198.35	3,580.37	3,303.44	276.93	12.929		
18,600.00	7,321.00	17,130.00	7,210.02	280.28	271.45	85.38	-5,656.82	-14,198.35	3,485.27	3,203.83	281.44	12.384		
18,700.00	7,321.00	17,130.00	7,210.02	282.72	271.45	85.38	-5,656.82	-14,198.35	3,390.44	3,104.25	286.19	11.847		
18,800.00	7,321.00	17,130.00	7,210.02	285.16	271.45	85.38	-5,656.82	-14,198.35	3,295.92	3,004.72	291.19	11.319		
18,900.00	7,321.00	17,130.00	7,210.02	287.61	271.45	85.38	-5,656.82	-14,198.35	3,201.73	2,905.24	296.49	10.799		
19,000.00	7,321.00	17,130.00	7,210.02	290.06	271.45	85.38	-5,656.82	-14,198.35	3,107.90	2,805.82	302.08	10.288		
19,100.00	7,321.00	17,130.00	7,210.02	292.52	271.45	85.38	-5,656.82	-14,198.35	3,014.47	2,706.47	308.00	9.787		
19,200.00	7,321.00	17,130.00	7,210.02	294.99	271.45	85.38	-5,656.82	-14,198.35	2,921.48	2,607.21	314.27	9.296		
19,300.00	7,321.00	17,130.00	7,210.02	297.46	271.45	85.38	-5,656.82	-14,198.35	2,828.97	2,508.04	320.93	8.815		
19,400.00	7,321.00	17,130.00	7,210.02	299.94	271.45	85.38	-5,656.82	-14,198.35	2,736.98	2,408.98	327.99	8.345		
19,500.00	7,321.00	17,130.00	7,210.02	302.42	271.45	85.38	-5,656.82	-14,198.35	2,645.57	2,310.07	335.50	7.885		
19,600.00	7,321.00	17,130.00	7,210.02	304.90	271.45	85.38	-5,656.82	-14,198.35	2,554.81	2,211.32	343.49	7.438		
19,700.00	7,321.00	17,130.00	7,210.02	307.40	271.45	85.38	-5,656.82	-14,198.35	2,464.76	2,112.77	351.99	7.002		
19,800.00	7,321.00	17,130.00	7,210.02	309.89	271.45	85.38	-5,656.82	-14,198.35	2,375.50	2,014.46	361.05	6.579		
19,900.00	7,321.00	17,130.00	7,210.02	312.39	271.45	85.38	-5,656.82	-14,198.35	2,287.14	1,916.44	370.70	6.170		
20,000.00	7,321.00	17,130.00	7,210.02	314.90	271.45	85.38	-5,656.82	-14,198.35	2,199.77	1,818.77	381.00	5.774		
20,100.00	7,321.00	17,130.00	7,210.02	317.41	271.45	85.38	-5,656.82	-14,198.35	2,113.53	1,721.55	391.98	5.392		
20,200.00	7,321.00	17,130.00	7,210.02	319.92	271.45	85.38	-5,656.82	-14,198.35	2,028.55	1,624.85	403.69	5.025		
20,300.00	7,321.00	17,130.00	7,210.02	322.44	271.45	85.38	-5,656.82	-14,198.35	1,944.99	1,528.82	416.17	4.674		
20,400.00	7,321.00	17,130.00	7,210.02	324.96	271.45	85.38	-5,656.82	-14,198.35	1,863.06	1,433.61	429.45	4.338		
20,500.00	7,321.00	17,130.00	7,210.02	327.49	271.45	85.38	-5,656.82	-14,198.35	1,782.97	1,339.42	443.55	4.020		
20,600.00	7,321.00	17,130.00	7,210.02	330.02	271.45	85.38	-5,656.82	-14,198.35	1,704.99	1,246.52	458.47	3.719		
20,700.00	7,321.00	17,130.00	7,210.02	332.55	271.45	85.38	-5,656.82	-14,198.35	1,629.41	1,155.22	474.19	3.436		
20,800.00	7,321.00	17,130.00	7,210.02	335.09	271.45	85.38	-5,656.82	-14,198.35	1,556.59	1,065.94	490.65	3.172		
20,900.00	7,321.00	17,130.00	7,210.02	337.63	271.45	85.38	-5,656.82	-14,198.35	1,486.93	979.20	507.73	2.929		
21,000.00	7,321.00	17,130.00	7,210.02	340.17	271.45	85.38	-5,656.82	-14,198.35	1,420.90	895.67	525.23	2.705		
21,100.00	7,321.00	17,130.00	7,210.02	342.72	271.45	85.38	-5,656.82	-14,198.35	1,359.03	816.14	542.88	2.503		
21,200.00	7,321.00	17,130.00	7,210.02	345.27	271.45	85.38	-5,656.82	-14,198.35	1,301.90	741.62	560.28	2.324		
21,300.00	7,321.00	17,130.00	7,210.02	347.82	271.45	85.38	-5,656.82	-14,198.35	1,250.18	673.28	576.90	2.167		
21,400.00	7,321.00	17,130.00	7,210.02	350.38	271.45	85.38	-5,656.82	-14,198.35	1,204.55	612.48	592.07	2.034		
21,500.00	7,321.00	17,130.00	7,210.02	352.94	271.45	85.38	-5,656.82	-14,198.35	1,165.73	560.70	605.03	1.927		
21,600.00	7,321.00	17,130.00	7,210.02	355.50	271.45	85.38	-5,656.82	-14,198.35	1,134.43	519.49	614.94	1.845		
21,700.00	7,321.00	17,130.00	7,210.02	358.07	271.45	85.38	-5,656.82	-14,198.35	1,111.27	490.26	621.01	1.789		
21,746.26	7,321.00	17,130.00	7,210.02	359.25	271.45	85.38	-5,656.82	-14,198.35	1,103.46	481.15	622.32	1.773 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 MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1662-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,800.00	7,321.00	16,905.00	6,998.53	147.91	271.34	71.59	-5,845.01	-14,200.31	10,156.02	9,988.18	167.83	60.512		
11,900.00	7,321.00	16,905.00	6,998.53	149.05	271.34	71.59	-5,845.01	-14,200.31	10,056.46	9,888.21	168.25	59.773		
12,000.00	7,321.00	16,905.00	6,998.53	150.22	271.34	71.59	-5,845.01	-14,200.31	9,956.91	9,788.24	168.67	59.033		
12,100.00	7,321.00	16,905.00	6,998.53	151.42	271.34	71.59	-5,845.01	-14,200.31	9,857.36	9,688.27	169.10	58.294		
12,200.00	7,321.00	16,905.00	6,998.53	152.66	271.34	71.59	-5,845.01	-14,200.31	9,757.83	9,588.30	169.54	57.556		
12,300.00	7,321.00	16,905.00	6,998.53	153.93	271.34	71.59	-5,845.01	-14,200.31	9,658.31	9,488.32	169.99	56.818		
12,400.00	7,321.00	16,905.00	6,998.53	155.22	271.34	71.59	-5,845.01	-14,200.31	9,558.80	9,388.35	170.45	56.081		
12,500.00	7,321.00	16,905.00	6,998.53	156.55	271.34	71.59	-5,845.01	-14,200.31	9,459.30	9,288.38	170.92	55.344		
12,600.00	7,321.00	16,905.00	6,998.53	157.91	271.34	71.59	-5,845.01	-14,200.31	9,359.81	9,188.41	171.40	54.608		
12,700.00	7,321.00	16,905.00	6,998.53	159.31	271.34	71.59	-5,845.01	-14,200.31	9,260.33	9,088.43	171.89	53.872		
12,800.00	7,321.00	16,905.00	6,998.53	160.73	271.34	71.59	-5,845.01	-14,200.31	9,160.86	8,988.46	172.40	53.138		
12,900.00	7,321.00	16,905.00	6,998.53	162.18	271.34	71.59	-5,845.01	-14,200.31	9,061.40	8,888.48	172.92	52.403		
13,000.00	7,321.00	16,905.00	6,998.53	163.67	271.34	71.59	-5,845.01	-14,200.31	8,961.95	8,788.51	173.45	51.670		
13,100.00	7,321.00	16,905.00	6,998.53	165.18	271.34	71.59	-5,845.01	-14,200.31	8,862.52	8,688.53	173.99	50.937		
13,200.00	7,321.00	16,905.00	6,998.53	166.73	271.34	71.59	-5,845.01	-14,200.31	8,763.10	8,588.56	174.55	50.205		
13,300.00	7,321.00	16,905.00	6,998.53	168.30	271.34	71.59	-5,845.01	-14,200.31	8,663.70	8,488.58	175.12	49.474		
13,400.00	7,321.00	16,905.00	6,998.53	169.90	271.34	71.59	-5,845.01	-14,200.31	8,564.30	8,388.60	175.70	48.743		
13,500.00	7,321.00	16,905.00	6,998.53	171.53	271.34	71.59	-5,845.01	-14,200.31	8,464.93	8,288.62	176.30	48.014		
13,600.00	7,321.00	16,905.00	6,998.53	173.19	271.34	71.59	-5,845.01	-14,200.31	8,365.56	8,188.65	176.92	47.285		
13,700.00	7,321.00	16,905.00	6,998.53	174.88	271.34	71.59	-5,845.01	-14,200.31	8,266.21	8,088.67	177.55	46.557		
13,800.00	7,321.00	16,905.00	6,998.53	176.59	271.34	71.59	-5,845.01	-14,200.31	8,166.88	7,988.68	178.20	45.831		
13,900.00	7,321.00	16,905.00	6,998.53	178.33	271.34	71.59	-5,845.01	-14,200.31	8,067.57	7,888.70	178.86	45.105		
14,000.00	7,321.00	16,905.00	6,998.53	180.09	271.34	71.59	-5,845.01	-14,200.31	7,968.27	7,788.72	179.55	44.380		
14,100.00	7,321.00	16,905.00	6,998.53	181.88	271.34	71.59	-5,845.01	-14,200.31	7,868.99	7,688.74	180.25	43.656		
14,200.00	7,321.00	16,905.00	6,998.53	183.70	271.34	71.59	-5,845.01	-14,200.31	7,769.73	7,588.75	180.97	42.934		
14,300.00	7,321.00	16,905.00	6,998.53	185.54	271.34	71.59	-5,845.01	-14,200.31	7,670.48	7,488.77	181.71	42.212		
14,400.00	7,321.00	16,905.00	6,998.53	187.40	271.34	71.59	-5,845.01	-14,200.31	7,571.26	7,388.78	182.48	41.492		
14,500.00	7,321.00	16,905.00	6,998.53	189.29	271.34	71.59	-5,845.01	-14,200.31	7,472.06	7,288.80	183.26	40.773		
14,600.00	7,321.00	16,905.00	6,998.53	191.20	271.34	71.59	-5,845.01	-14,200.31	7,372.88	7,188.81	184.07	40.055		
14,700.00	7,321.00	16,905.00	6,998.53	193.13	271.34	71.59	-5,845.01	-14,200.31	7,273.72	7,088.82	184.90	39.339		
14,800.00	7,321.00	16,905.00	6,998.53	195.08	271.34	71.59	-5,845.01	-14,200.31	7,174.58	6,988.83	185.75	38.624		
14,900.00	7,321.00	16,905.00	6,998.53	197.05	271.34	71.59	-5,845.01	-14,200.31	7,075.47	6,888.84	186.63	37.911		
15,000.00	7,321.00	16,905.00	6,998.53	199.04	271.34	71.59	-5,845.01	-14,200.31	6,976.39	6,788.84	187.54	37.199		
15,100.00	7,321.00	16,905.00	6,998.53	201.06	271.34	71.59	-5,845.01	-14,200.31	6,877.33	6,688.85	188.48	36.489		
15,200.00	7,321.00	16,905.00	6,998.53	203.09	271.34	71.59	-5,845.01	-14,200.31	6,778.30	6,588.85	189.44	35.780		
15,300.00	7,321.00	16,905.00	6,998.53	205.14	271.34	71.59	-5,845.01	-14,200.31	6,679.29	6,488.85	190.44	35.073		
15,400.00	7,321.00	16,905.00	6,998.53	207.21	271.34	71.59	-5,845.01	-14,200.31	6,580.32	6,388.85	191.47	34.368		
15,500.00	7,321.00	16,905.00	6,998.53	209.29	271.34	71.59	-5,845.01	-14,200.31	6,481.38	6,288.85	192.53	33.665		
15,600.00	7,321.00	16,905.00	6,998.53	211.39	271.34	71.59	-5,845.01	-14,200.31	6,382.47	6,188.85	193.62	32.963		
15,700.00	7,321.00	16,905.00	6,998.53	213.51	271.34	71.59	-5,845.01	-14,200.31	6,283.60	6,088.84	194.75	32.264		
15,800.00	7,321.00	16,905.00	6,998.53	215.65	271.34	71.59	-5,845.01	-14,200.31	6,184.76	5,988.84	195.93	31.567		
15,900.00	7,321.00	16,905.00	6,998.53	217.80	271.34	71.59	-5,845.01	-14,200.31	6,085.96	5,888.83	197.14	30.872		
16,000.00	7,321.00	16,905.00	6,998.53	219.96	271.34	71.59	-5,845.01	-14,200.31	5,987.20	5,788.82	198.39	30.179		
16,100.00	7,321.00	16,905.00	6,998.53	222.14	271.34	71.59	-5,845.01	-14,200.31	5,888.49	5,688.80	199.68	29.489		
16,200.00	7,321.00	16,905.00	6,998.53	224.34	271.34	71.59	-5,845.01	-14,200.31	5,789.81	5,588.79	201.03	28.801		
16,300.00	7,321.00	16,905.00	6,998.53	226.55	271.34	71.59	-5,845.01	-14,200.31	5,691.19	5,488.77	202.42	28.116		
16,400.00	7,321.00	16,905.00	6,998.53	228.77	271.34	71.59	-5,845.01	-14,200.31	5,592.61	5,388.75	203.86	27.433		
16,500.00	7,321.00	16,905.00	6,998.53	231.00	271.34	71.59	-5,845.01	-14,200.31	5,494.08	5,288.72	205.36	26.753		
16,600.00	7,321.00	16,905.00	6,998.53	233.25	271.34	71.59	-5,845.01	-14,200.31	5,395.61	5,188.70	206.91	26.077		
16,700.00	7,321.00	16,905.00	6,998.53	235.51	271.34	71.59	-5,845.01	-14,200.31	5,297.20	5,088.67	208.53	25.403		
16,800.00	7,321.00	16,905.00	6,998.53	237.78	271.34	71.59	-5,845.01	-14,200.31	5,198.84	4,988.64	210.21	24.732		
16,900.00	7,321.00	16,905.00	6,998.53	240.06	271.34	71.59	-5,845.01	-14,200.31	5,100.55	4,888.60	211.95	24.065		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1662-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
17,000.00	7,321.00	16,905.00	6,998.53	242.35	271.34	71.59	-5,845.01	-14,200.31	5,002.33	4,788.56	213.77	23.401		
17,100.00	7,321.00	16,905.00	6,998.53	244.66	271.34	71.59	-5,845.01	-14,200.31	4,904.18	4,688.52	215.66	22.741		
17,200.00	7,321.00	16,905.00	6,998.53	246.97	271.34	71.59	-5,845.01	-14,200.31	4,806.10	4,588.47	217.63	22.084		
17,300.00	7,321.00	16,905.00	6,998.53	249.29	271.34	71.59	-5,845.01	-14,200.31	4,708.11	4,488.42	219.68	21.431		
17,400.00	7,321.00	16,905.00	6,998.53	251.63	271.34	71.59	-5,845.01	-14,200.31	4,610.20	4,388.37	221.83	20.783		
17,500.00	7,321.00	16,905.00	6,998.53	253.97	271.34	71.59	-5,845.01	-14,200.31	4,512.38	4,288.32	224.07	20.138		
17,600.00	7,321.00	16,905.00	6,998.53	256.32	271.34	71.59	-5,845.01	-14,200.31	4,414.67	4,188.26	226.41	19.499		
17,700.00	7,321.00	16,905.00	6,998.53	258.68	271.34	71.59	-5,845.01	-14,200.31	4,317.05	4,088.20	228.86	18.864		
17,800.00	7,321.00	16,905.00	6,998.53	261.05	271.34	71.59	-5,845.01	-14,200.31	4,219.55	3,988.13	231.42	18.233		
17,900.00	7,321.00	16,905.00	6,998.53	263.43	271.34	71.59	-5,845.01	-14,200.31	4,122.17	3,888.06	234.11	17.608		
18,000.00	7,321.00	16,905.00	6,998.53	265.81	271.34	71.59	-5,845.01	-14,200.31	4,024.92	3,787.99	236.92	16.988		
18,100.00	7,321.00	16,905.00	6,998.53	268.21	271.34	71.59	-5,845.01	-14,200.31	3,927.80	3,687.92	239.88	16.374		
18,200.00	7,321.00	16,905.00	6,998.53	270.61	271.34	71.59	-5,845.01	-14,200.31	3,830.83	3,587.84	242.99	15.765		
18,300.00	7,321.00	16,905.00	6,998.53	273.02	271.34	71.59	-5,845.01	-14,200.31	3,734.03	3,487.77	246.26	15.163		
18,400.00	7,321.00	16,905.00	6,998.53	275.43	271.34	71.59	-5,845.01	-14,200.31	3,637.39	3,387.69	249.70	14.567		
18,500.00	7,321.00	16,905.00	6,998.53	277.86	271.34	71.59	-5,845.01	-14,200.31	3,540.94	3,287.61	253.33	13.978		
18,600.00	7,321.00	16,905.00	6,998.53	280.28	271.34	71.59	-5,845.01	-14,200.31	3,444.70	3,187.54	257.16	13.395		
18,700.00	7,321.00	16,905.00	6,998.53	282.72	271.34	71.59	-5,845.01	-14,200.31	3,348.67	3,087.47	261.21	12.820		
18,800.00	7,321.00	16,905.00	6,998.53	285.16	271.34	71.59	-5,845.01	-14,200.31	3,252.89	2,987.40	265.48	12.253		
18,900.00	7,321.00	16,905.00	6,998.53	287.61	271.34	71.59	-5,845.01	-14,200.31	3,157.36	2,887.35	270.02	11.693		
19,000.00	7,321.00	16,905.00	6,998.53	290.06	271.34	71.59	-5,845.01	-14,200.31	3,062.12	2,787.30	274.82	11.142		
19,100.00	7,321.00	16,905.00	6,998.53	292.52	271.34	71.59	-5,845.01	-14,200.31	2,967.20	2,687.28	279.92	10.600		
19,200.00	7,321.00	16,905.00	6,998.53	294.99	271.34	71.59	-5,845.01	-14,200.31	2,872.62	2,587.28	285.34	10.067		
19,300.00	7,321.00	16,905.00	6,998.53	297.46	271.34	71.59	-5,845.01	-14,200.31	2,778.42	2,487.30	291.12	9.544		
19,400.00	7,321.00	16,905.00	6,998.53	299.94	271.34	71.59	-5,845.01	-14,200.31	2,684.64	2,387.37	297.27	9.031		
19,500.00	7,321.00	16,905.00	6,998.53	302.42	271.34	71.59	-5,845.01	-14,200.31	2,591.32	2,287.49	303.83	8.529		
19,600.00	7,321.00	16,905.00	6,998.53	304.90	271.34	71.59	-5,845.01	-14,200.31	2,498.52	2,187.67	310.85	8.038		
19,700.00	7,321.00	16,905.00	6,998.53	307.40	271.34	71.59	-5,845.01	-14,200.31	2,406.30	2,087.93	318.37	7.558		
19,800.00	7,321.00	16,905.00	6,998.53	309.89	271.34	71.59	-5,845.01	-14,200.31	2,314.72	1,988.31	326.41	7.091		
19,900.00	7,321.00	16,905.00	6,998.53	312.39	271.34	71.59	-5,845.01	-14,200.31	2,223.87	1,888.82	335.05	6.637		
20,000.00	7,321.00	16,905.00	6,998.53	314.90	271.34	71.59	-5,845.01	-14,200.31	2,133.84	1,789.51	344.33	6.197		
20,100.00	7,321.00	16,905.00	6,998.53	317.41	271.34	71.59	-5,845.01	-14,200.31	2,044.73	1,690.43	354.30	5.771		
20,200.00	7,321.00	16,905.00	6,998.53	319.92	271.34	71.59	-5,845.01	-14,200.31	1,956.68	1,591.65	365.03	5.360		
20,300.00	7,321.00	16,905.00	6,998.53	322.44	271.34	71.59	-5,845.01	-14,200.31	1,869.83	1,493.26	376.57	4.965		
20,400.00	7,321.00	16,905.00	6,998.53	324.96	271.34	71.59	-5,845.01	-14,200.31	1,784.36	1,395.36	388.99	4.587		
20,500.00	7,321.00	16,905.00	6,998.53	327.49	271.34	71.59	-5,845.01	-14,200.31	1,700.47	1,298.12	402.35	4.226		
20,600.00	7,321.00	16,905.00	6,998.53	330.02	271.34	71.59	-5,845.01	-14,200.31	1,618.42	1,201.73	416.69	3.884		
20,700.00	7,321.00	16,905.00	6,998.53	332.55	271.34	71.59	-5,845.01	-14,200.31	1,538.48	1,106.46	432.03	3.561		
20,800.00	7,321.00	16,905.00	6,998.53	335.09	271.34	71.59	-5,845.01	-14,200.31	1,461.03	1,012.66	448.37	3.259		
20,900.00	7,321.00	16,905.00	6,998.53	337.63	271.34	71.59	-5,845.01	-14,200.31	1,386.46	920.79	465.66	2.977		
21,000.00	7,321.00	16,905.00	6,998.53	340.17	271.34	71.59	-5,845.01	-14,200.31	1,315.27	831.49	483.78	2.719		
21,100.00	7,321.00	16,905.00	6,998.53	342.72	271.34	71.59	-5,845.01	-14,200.31	1,248.04	745.56	502.48	2.484		
21,200.00	7,321.00	16,905.00	6,998.53	345.27	271.34	71.59	-5,845.01	-14,200.31	1,185.44	664.04	521.40	2.274		
21,300.00	7,321.00	16,905.00	6,998.53	347.82	271.34	71.59	-5,845.01	-14,200.31	1,128.24	588.28	539.97	2.089		
21,400.00	7,321.00	16,905.00	6,998.53	350.38	271.34	71.59	-5,845.01	-14,200.31	1,077.31	519.89	557.42	1.933		
21,500.00	7,321.00	16,905.00	6,998.53	352.94	271.34	71.59	-5,845.01	-14,200.31	1,033.57	460.79	572.77	1.804		
21,600.00	7,321.00	16,905.00	6,998.53	355.50	271.34	71.59	-5,845.01	-14,200.31	997.96	413.09	584.87	1.706		
21,700.00	7,321.00	16,905.00	6,998.53	358.07	271.34	71.59	-5,845.01	-14,200.31	971.39	378.86	592.53	1.639		
21,746.26	7,321.00	16,905.00	6,998.53	359.25	271.34	71.59	-5,845.01	-14,200.31	962.37	368.11	594.26	1.619	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 MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1662-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	7,321.00	17,004.00	7,125.88	149.05	269.94	72.61	-6,194.75	-14,241.71	10,068.99	9,909.90	159.09	63.292		
12,000.00	7,321.00	17,004.00	7,125.88	150.22	269.94	72.61	-6,194.75	-14,241.71	9,969.16	9,809.84	159.32	62.574		
12,100.00	7,321.00	17,004.00	7,125.88	151.42	269.94	72.61	-6,194.75	-14,241.71	9,869.32	9,709.77	159.55	61.857		
12,200.00	7,321.00	17,004.00	7,125.88	152.66	269.94	72.61	-6,194.75	-14,241.71	9,769.50	9,609.70	159.79	61.139		
12,300.00	7,321.00	17,004.00	7,125.88	153.93	269.94	72.61	-6,194.75	-14,241.71	9,669.67	9,509.63	160.04	60.421		
12,400.00	7,321.00	17,004.00	7,125.88	155.22	269.94	72.61	-6,194.75	-14,241.71	9,569.85	9,409.56	160.29	59.703		
12,500.00	7,321.00	17,004.00	7,125.88	156.55	269.94	72.61	-6,194.75	-14,241.71	9,470.03	9,309.49	160.55	58.985		
12,600.00	7,321.00	17,004.00	7,125.88	157.91	269.94	72.61	-6,194.75	-14,241.71	9,370.22	9,209.41	160.81	58.268		
12,700.00	7,321.00	17,004.00	7,125.88	159.31	269.94	72.61	-6,194.75	-14,241.71	9,270.41	9,109.33	161.08	57.550		
12,800.00	7,321.00	17,004.00	7,125.88	160.73	269.94	72.61	-6,194.75	-14,241.71	9,170.61	9,009.25	161.36	56.833		
12,900.00	7,321.00	17,004.00	7,125.88	162.18	269.94	72.61	-6,194.75	-14,241.71	9,070.81	8,909.16	161.65	56.115		
13,000.00	7,321.00	17,004.00	7,125.88	163.67	269.94	72.61	-6,194.75	-14,241.71	8,971.01	8,809.07	161.94	55.398		
13,100.00	7,321.00	17,004.00	7,125.88	165.18	269.94	72.61	-6,194.75	-14,241.71	8,871.22	8,708.98	162.24	54.681		
13,200.00	7,321.00	17,004.00	7,125.88	166.73	269.94	72.61	-6,194.75	-14,241.71	8,771.43	8,608.89	162.54	53.964		
13,300.00	7,321.00	17,004.00	7,125.88	168.30	269.94	72.61	-6,194.75	-14,241.71	8,671.65	8,508.80	162.86	53.247		
13,400.00	7,321.00	17,004.00	7,125.88	169.90	269.94	72.61	-6,194.75	-14,241.71	8,571.88	8,408.70	163.18	52.530		
13,500.00	7,321.00	17,004.00	7,125.88	171.53	269.94	72.61	-6,194.75	-14,241.71	8,472.10	8,308.59	163.51	51.814		
13,600.00	7,321.00	17,004.00	7,125.88	173.19	269.94	72.61	-6,194.75	-14,241.71	8,372.34	8,208.49	163.85	51.097		
13,700.00	7,321.00	17,004.00	7,125.88	174.88	269.94	72.61	-6,194.75	-14,241.71	8,272.58	8,108.38	164.20	50.381		
13,800.00	7,321.00	17,004.00	7,125.88	176.59	269.94	72.61	-6,194.75	-14,241.71	8,172.82	8,008.27	164.56	49.665		
13,900.00	7,321.00	17,004.00	7,125.88	178.33	269.94	72.61	-6,194.75	-14,241.71	8,073.08	7,908.15	164.93	48.949		
14,000.00	7,321.00	17,004.00	7,125.88	180.09	269.94	72.61	-6,194.75	-14,241.71	7,973.33	7,808.03	165.31	48.234		
14,100.00	7,321.00	17,004.00	7,125.88	181.88	269.94	72.61	-6,194.75	-14,241.71	7,873.60	7,707.90	165.70	47.518		
14,200.00	7,321.00	17,004.00	7,125.88	183.70	269.94	72.61	-6,194.75	-14,241.71	7,773.87	7,607.77	166.10	46.803		
14,300.00	7,321.00	17,004.00	7,125.88	185.54	269.94	72.61	-6,194.75	-14,241.71	7,674.15	7,507.64	166.51	46.088		
14,400.00	7,321.00	17,004.00	7,125.88	187.40	269.94	72.61	-6,194.75	-14,241.71	7,574.43	7,407.50	166.93	45.374		
14,500.00	7,321.00	17,004.00	7,125.88	189.29	269.94	72.61	-6,194.75	-14,241.71	7,474.73	7,307.36	167.37	44.660		
14,600.00	7,321.00	17,004.00	7,125.88	191.20	269.94	72.61	-6,194.75	-14,241.71	7,375.03	7,207.21	167.82	43.946		
14,700.00	7,321.00	17,004.00	7,125.88	193.13	269.94	72.61	-6,194.75	-14,241.71	7,275.34	7,107.05	168.29	43.232		
14,800.00	7,321.00	17,004.00	7,125.88	195.08	269.94	72.61	-6,194.75	-14,241.71	7,175.66	7,006.89	168.76	42.519		
14,900.00	7,321.00	17,004.00	7,125.88	197.05	269.94	72.61	-6,194.75	-14,241.71	7,075.98	6,906.73	169.26	41.806		
15,000.00	7,321.00	17,004.00	7,125.88	199.04	269.94	72.61	-6,194.75	-14,241.71	6,976.32	6,806.55	169.77	41.094		
15,100.00	7,321.00	17,004.00	7,125.88	201.06	269.94	72.61	-6,194.75	-14,241.71	6,876.67	6,706.38	170.29	40.382		
15,200.00	7,321.00	17,004.00	7,125.88	203.09	269.94	72.61	-6,194.75	-14,241.71	6,777.02	6,606.19	170.83	39.670		
15,300.00	7,321.00	17,004.00	7,125.88	205.14	269.94	72.61	-6,194.75	-14,241.71	6,677.39	6,506.00	171.39	38.959		
15,400.00	7,321.00	17,004.00	7,125.88	207.21	269.94	72.61	-6,194.75	-14,241.71	6,577.77	6,405.80	171.97	38.249		
15,500.00	7,321.00	17,004.00	7,125.88	209.29	269.94	72.61	-6,194.75	-14,241.71	6,478.16	6,305.59	172.57	37.539		
15,600.00	7,321.00	17,004.00	7,125.88	211.39	269.94	72.61	-6,194.75	-14,241.71	6,378.56	6,205.37	173.19	36.829		
15,700.00	7,321.00	17,004.00	7,125.88	213.51	269.94	72.61	-6,194.75	-14,241.71	6,278.98	6,105.14	173.83	36.121		
15,800.00	7,321.00	17,004.00	7,125.88	215.65	269.94	72.61	-6,194.75	-14,241.71	6,179.41	6,004.91	174.50	35.413		
15,900.00	7,321.00	17,004.00	7,125.88	217.80	269.94	72.61	-6,194.75	-14,241.71	6,079.85	5,904.66	175.18	34.705		
16,000.00	7,321.00	17,004.00	7,125.88	219.96	269.94	72.61	-6,194.75	-14,241.71	5,980.31	5,804.41	175.90	33.999		
16,100.00	7,321.00	17,004.00	7,125.88	222.14	269.94	72.61	-6,194.75	-14,241.71	5,880.78	5,704.14	176.64	33.293		
16,200.00	7,321.00	17,004.00	7,125.88	224.34	269.94	72.61	-6,194.75	-14,241.71	5,781.27	5,603.86	177.40	32.588		
16,300.00	7,321.00	17,004.00	7,125.88	226.55	269.94	72.61	-6,194.75	-14,241.71	5,681.77	5,503.57	178.20	31.884		
16,400.00	7,321.00	17,004.00	7,125.88	228.77	269.94	72.61	-6,194.75	-14,241.71	5,582.30	5,403.27	179.03	31.181		
16,500.00	7,321.00	17,004.00	7,125.88	231.00	269.94	72.61	-6,194.75	-14,241.71	5,482.84	5,302.95	179.89	30.479		
16,600.00	7,321.00	17,004.00	7,125.88	233.25	269.94	72.61	-6,194.75	-14,241.71	5,383.41	5,202.62	180.78	29.778		
16,700.00	7,321.00	17,004.00	7,125.88	235.51	269.94	72.61	-6,194.75	-14,241.71	5,283.99	5,102.27	181.72	29.078		
16,800.00	7,321.00	17,004.00	7,125.88	237.78	269.94	72.61	-6,194.75	-14,241.71	5,184.60	5,001.91	182.69	28.380		
16,900.00	7,321.00	17,004.00	7,125.88	240.06	269.94	72.61	-6,194.75	-14,241.71	5,085.23	4,901.53	183.70	27.682		
17,000.00	7,321.00	17,004.00	7,125.88	242.35	269.94	72.61	-6,194.75	-14,241.71	4,985.88	4,801.13	184.75	26.987		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1662-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	7,321.00	17,004.00	7,125.88	244.66	269.94	72.61	-6,194.75	-14,241.71	4,886.57	4,700.71	185.86	26.292		
17,200.00	7,321.00	17,004.00	7,125.88	246.97	269.94	72.61	-6,194.75	-14,241.71	4,787.28	4,600.27	187.01	25.599		
17,300.00	7,321.00	17,004.00	7,125.88	249.29	269.94	72.61	-6,194.75	-14,241.71	4,688.02	4,499.81	188.21	24.908		
17,400.00	7,321.00	17,004.00	7,125.88	251.63	269.94	72.61	-6,194.75	-14,241.71	4,588.80	4,399.32	189.47	24.219		
17,500.00	7,321.00	17,004.00	7,125.88	253.97	269.94	72.61	-6,194.75	-14,241.71	4,489.60	4,298.81	190.79	23.531		
17,600.00	7,321.00	17,004.00	7,125.88	256.32	269.94	72.61	-6,194.75	-14,241.71	4,390.45	4,198.27	192.18	22.846		
17,700.00	7,321.00	17,004.00	7,125.88	258.68	269.94	72.61	-6,194.75	-14,241.71	4,291.33	4,097.70	193.63	22.162		
17,800.00	7,321.00	17,004.00	7,125.88	261.05	269.94	72.61	-6,194.75	-14,241.71	4,192.26	3,997.10	195.16	21.481		
17,900.00	7,321.00	17,004.00	7,125.88	263.43	269.94	72.61	-6,194.75	-14,241.71	4,093.23	3,896.47	196.76	20.803		
18,000.00	7,321.00	17,004.00	7,125.88	265.81	269.94	72.61	-6,194.75	-14,241.71	3,994.25	3,795.80	198.45	20.127		
18,100.00	7,321.00	17,004.00	7,125.88	268.21	269.94	72.61	-6,194.75	-14,241.71	3,895.32	3,695.09	200.23	19.454		
18,200.00	7,321.00	17,004.00	7,125.88	270.61	269.94	72.61	-6,194.75	-14,241.71	3,796.45	3,594.34	202.11	18.784		
18,300.00	7,321.00	17,004.00	7,125.88	273.02	269.94	72.61	-6,194.75	-14,241.71	3,697.64	3,493.54	204.10	18.117		
18,400.00	7,321.00	17,004.00	7,125.88	275.43	269.94	72.61	-6,194.75	-14,241.71	3,598.90	3,392.70	206.20	17.453		
18,500.00	7,321.00	17,004.00	7,125.88	277.86	269.94	72.61	-6,194.75	-14,241.71	3,500.22	3,291.80	208.42	16.794		
18,600.00	7,321.00	17,004.00	7,125.88	280.28	269.94	72.61	-6,194.75	-14,241.71	3,401.62	3,190.84	210.78	16.138		
18,700.00	7,321.00	17,004.00	7,125.88	282.72	269.94	72.61	-6,194.75	-14,241.71	3,303.11	3,089.82	213.29	15.486		
18,800.00	7,321.00	17,004.00	7,125.88	285.16	269.94	72.61	-6,194.75	-14,241.71	3,204.69	2,988.73	215.96	14.839		
18,900.00	7,321.00	17,004.00	7,125.88	287.61	269.94	72.61	-6,194.75	-14,241.71	3,106.37	2,887.57	218.80	14.197		
19,000.00	7,321.00	17,004.00	7,125.88	290.06	269.94	72.61	-6,194.75	-14,241.71	3,008.16	2,786.32	221.84	13.560		
19,100.00	7,321.00	17,004.00	7,125.88	292.52	269.94	72.61	-6,194.75	-14,241.71	2,910.08	2,684.99	225.09	12.929		
19,200.00	7,321.00	17,004.00	7,125.88	294.99	269.94	72.61	-6,194.75	-14,241.71	2,812.12	2,583.56	228.56	12.303		
19,300.00	7,321.00	17,004.00	7,125.88	297.46	269.94	72.61	-6,194.75	-14,241.71	2,714.32	2,482.02	232.30	11.685		
19,400.00	7,321.00	17,004.00	7,125.88	299.94	269.94	72.61	-6,194.75	-14,241.71	2,616.69	2,380.37	236.32	11.073		
19,500.00	7,321.00	17,004.00	7,125.88	302.42	269.94	72.61	-6,194.75	-14,241.71	2,519.24	2,278.58	240.65	10.468		
19,600.00	7,321.00	17,004.00	7,125.88	304.90	269.94	72.61	-6,194.75	-14,241.71	2,421.99	2,176.65	245.34	9.872		
19,700.00	7,321.00	17,004.00	7,125.88	307.40	269.94	72.61	-6,194.75	-14,241.71	2,324.98	2,074.56	250.42	9.284		
19,800.00	7,321.00	17,004.00	7,125.88	309.89	269.94	72.61	-6,194.75	-14,241.71	2,228.24	1,972.30	255.94	8.706		
19,900.00	7,321.00	17,004.00	7,125.88	312.39	269.94	72.61	-6,194.75	-14,241.71	2,131.79	1,869.84	261.95	8.138		
20,000.00	7,321.00	17,004.00	7,125.88	314.90	269.94	72.61	-6,194.75	-14,241.71	2,035.69	1,767.17	268.53	7.581		
20,100.00	7,321.00	17,004.00	7,125.88	317.41	269.94	72.61	-6,194.75	-14,241.71	1,939.99	1,664.25	275.73	7.036		
20,200.00	7,321.00	17,004.00	7,125.88	319.92	269.94	72.61	-6,194.75	-14,241.71	1,844.73	1,561.08	283.66	6.503		
20,300.00	7,321.00	17,004.00	7,125.88	322.44	269.94	72.61	-6,194.75	-14,241.71	1,750.01	1,457.61	292.41	5.985		
20,400.00	7,321.00	17,004.00	7,125.88	324.96	269.94	72.61	-6,194.75	-14,241.71	1,655.91	1,353.82	302.10	5.481		
20,500.00	7,321.00	17,004.00	7,125.88	327.49	269.94	72.61	-6,194.75	-14,241.71	1,562.54	1,249.68	312.87	4.994		
20,600.00	7,321.00	17,004.00	7,125.88	330.02	269.94	72.61	-6,194.75	-14,241.71	1,470.05	1,145.16	324.88	4.525		
20,700.00	7,321.00	17,004.00	7,125.88	332.55	269.94	72.61	-6,194.75	-14,241.71	1,378.60	1,040.27	338.34	4.075		
20,800.00	7,321.00	17,004.00	7,125.88	335.09	269.94	72.61	-6,194.75	-14,241.71	1,288.43	934.98	353.44	3.645		
20,900.00	7,321.00	17,004.00	7,125.88	337.63	269.94	72.61	-6,194.75	-14,241.71	1,199.81	829.36	370.45	3.239		
21,000.00	7,321.00	17,004.00	7,125.88	340.17	269.94	72.61	-6,194.75	-14,241.71	1,113.12	723.51	389.61	2.857		
21,100.00	7,321.00	17,004.00	7,125.88	342.72	269.94	72.61	-6,194.75	-14,241.71	1,028.86	617.67	411.19	2.502		
21,200.00	7,321.00	17,004.00	7,125.88	345.27	269.94	72.61	-6,194.75	-14,241.71	947.65	512.27	435.38	2.177		
21,300.00	7,321.00	17,004.00	7,125.88	347.82	269.94	72.61	-6,194.75	-14,241.71	870.37	408.15	462.22	1.883		
21,400.00	7,321.00	17,004.00	7,125.88	350.38	269.94	72.61	-6,194.75	-14,241.71	798.15	306.73	491.42	1.624		
21,500.00	7,321.00	17,004.00	7,125.88	352.94	269.94	72.61	-6,194.75	-14,241.71	732.49	210.49	522.00	1.403	Level 3	
21,600.00	7,321.00	17,004.00	7,125.88	355.50	269.94	72.61	-6,194.75	-14,241.71	675.31	123.34	551.97	1.223	Level 2	
21,700.00	7,321.00	17,004.00	7,125.88	358.07	269.94	72.61	-6,194.75	-14,241.71	628.92	51.09	577.83	1.088	Level 2	
21,746.26	7,321.00	17,004.00	7,125.88	359.25	269.94	72.61	-6,194.75	-14,241.71	611.82	24.73	587.09	1.042	Level 2, 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 MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1663-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,800.00	7,321.00	17,100.00	7,247.03	147.91	270.51	83.60	-6,290.39	-14,204.90	10,125.84	9,968.09	157.75	64.188		
11,900.00	7,321.00	17,100.00	7,247.03	149.05	270.51	83.60	-6,290.39	-14,204.90	10,025.95	9,868.01	157.93	63.482		
12,000.00	7,321.00	17,100.00	7,247.03	150.22	270.51	83.60	-6,290.39	-14,204.90	9,926.05	9,767.93	158.12	62.776		
12,100.00	7,321.00	17,100.00	7,247.03	151.42	270.51	83.60	-6,290.39	-14,204.90	9,826.16	9,667.85	158.31	62.069		
12,200.00	7,321.00	17,100.00	7,247.03	152.66	270.51	83.60	-6,290.39	-14,204.90	9,726.27	9,567.76	158.50	61.363		
12,300.00	7,321.00	17,100.00	7,247.03	153.93	270.51	83.60	-6,290.39	-14,204.90	9,626.38	9,467.68	158.70	60.657		
12,400.00	7,321.00	17,100.00	7,247.03	155.22	270.51	83.60	-6,290.39	-14,204.90	9,526.49	9,367.59	158.91	59.951		
12,500.00	7,321.00	17,100.00	7,247.03	156.55	270.51	83.60	-6,290.39	-14,204.90	9,426.61	9,267.49	159.11	59.244		
12,600.00	7,321.00	17,100.00	7,247.03	157.91	270.51	83.60	-6,290.39	-14,204.90	9,326.73	9,167.40	159.33	58.538		
12,700.00	7,321.00	17,100.00	7,247.03	159.31	270.51	83.60	-6,290.39	-14,204.90	9,226.85	9,067.30	159.55	57.832		
12,800.00	7,321.00	17,100.00	7,247.03	160.73	270.51	83.60	-6,290.39	-14,204.90	9,126.97	8,967.20	159.77	57.126		
12,900.00	7,321.00	17,100.00	7,247.03	162.18	270.51	83.60	-6,290.39	-14,204.90	9,027.10	8,867.10	160.00	56.420		
13,000.00	7,321.00	17,100.00	7,247.03	163.67	270.51	83.60	-6,290.39	-14,204.90	8,927.23	8,767.00	160.23	55.714		
13,100.00	7,321.00	17,100.00	7,247.03	165.18	270.51	83.60	-6,290.39	-14,204.90	8,827.36	8,666.89	160.48	55.008		
13,200.00	7,321.00	17,100.00	7,247.03	166.73	270.51	83.60	-6,290.39	-14,204.90	8,727.50	8,566.78	160.72	54.302		
13,300.00	7,321.00	17,100.00	7,247.03	168.30	270.51	83.60	-6,290.39	-14,204.90	8,627.64	8,466.66	160.98	53.596		
13,400.00	7,321.00	17,100.00	7,247.03	169.90	270.51	83.60	-6,290.39	-14,204.90	8,527.78	8,366.54	161.24	52.890		
13,500.00	7,321.00	17,100.00	7,247.03	171.53	270.51	83.60	-6,290.39	-14,204.90	8,427.92	8,266.42	161.50	52.184		
13,600.00	7,321.00	17,100.00	7,247.03	173.19	270.51	83.60	-6,290.39	-14,204.90	8,328.07	8,166.29	161.78	51.478		
13,700.00	7,321.00	17,100.00	7,247.03	174.88	270.51	83.60	-6,290.39	-14,204.90	8,228.23	8,066.17	162.06	50.773		
13,800.00	7,321.00	17,100.00	7,247.03	176.59	270.51	83.60	-6,290.39	-14,204.90	8,128.38	7,966.03	162.35	50.067		
13,900.00	7,321.00	17,100.00	7,247.03	178.33	270.51	83.60	-6,290.39	-14,204.90	8,028.54	7,865.90	162.65	49.362		
14,000.00	7,321.00	17,100.00	7,247.03	180.09	270.51	83.60	-6,290.39	-14,204.90	7,928.71	7,765.75	162.95	48.657		
14,100.00	7,321.00	17,100.00	7,247.03	181.88	270.51	83.60	-6,290.39	-14,204.90	7,828.87	7,665.61	163.27	47.951		
14,200.00	7,321.00	17,100.00	7,247.03	183.70	270.51	83.60	-6,290.39	-14,204.90	7,729.05	7,565.46	163.59	47.246		
14,300.00	7,321.00	17,100.00	7,247.03	185.54	270.51	83.60	-6,290.39	-14,204.90	7,629.22	7,465.30	163.92	46.542		
14,400.00	7,321.00	17,100.00	7,247.03	187.40	270.51	83.60	-6,290.39	-14,204.90	7,529.41	7,365.14	164.27	45.837		
14,500.00	7,321.00	17,100.00	7,247.03	189.29	270.51	83.60	-6,290.39	-14,204.90	7,429.59	7,264.97	164.62	45.132		
14,600.00	7,321.00	17,100.00	7,247.03	191.20	270.51	83.60	-6,290.39	-14,204.90	7,329.78	7,164.80	164.98	44.428		
14,700.00	7,321.00	17,100.00	7,247.03	193.13	270.51	83.60	-6,290.39	-14,204.90	7,229.98	7,064.63	165.36	43.724		
14,800.00	7,321.00	17,100.00	7,247.03	195.08	270.51	83.60	-6,290.39	-14,204.90	7,130.18	6,964.44	165.74	43.020		
14,900.00	7,321.00	17,100.00	7,247.03	197.05	270.51	83.60	-6,290.39	-14,204.90	7,030.39	6,864.25	166.14	42.316		
15,000.00	7,321.00	17,100.00	7,247.03	199.04	270.51	83.60	-6,290.39	-14,204.90	6,930.61	6,764.06	166.55	41.612		
15,100.00	7,321.00	17,100.00	7,247.03	201.06	270.51	83.60	-6,290.39	-14,204.90	6,830.83	6,663.85	166.98	40.909		
15,200.00	7,321.00	17,100.00	7,247.03	203.09	270.51	83.60	-6,290.39	-14,204.90	6,731.06	6,563.64	167.42	40.206		
15,300.00	7,321.00	17,100.00	7,247.03	205.14	270.51	83.60	-6,290.39	-14,204.90	6,631.29	6,463.42	167.87	39.503		
15,400.00	7,321.00	17,100.00	7,247.03	207.21	270.51	83.60	-6,290.39	-14,204.90	6,531.53	6,363.19	168.34	38.800		
15,500.00	7,321.00	17,100.00	7,247.03	209.29	270.51	83.60	-6,290.39	-14,204.90	6,431.78	6,262.96	168.82	38.098		
15,600.00	7,321.00	17,100.00	7,247.03	211.39	270.51	83.60	-6,290.39	-14,204.90	6,332.04	6,162.71	169.32	37.396		
15,700.00	7,321.00	17,100.00	7,247.03	213.51	270.51	83.60	-6,290.39	-14,204.90	6,232.30	6,062.46	169.84	36.695		
15,800.00	7,321.00	17,100.00	7,247.03	215.65	270.51	83.60	-6,290.39	-14,204.90	6,132.58	5,962.20	170.38	35.994		
15,900.00	7,321.00	17,100.00	7,247.03	217.80	270.51	83.60	-6,290.39	-14,204.90	6,032.86	5,861.92	170.94	35.293		
16,000.00	7,321.00	17,100.00	7,247.03	219.96	270.51	83.60	-6,290.39	-14,204.90	5,933.15	5,761.64	171.51	34.593		
16,100.00	7,321.00	17,100.00	7,247.03	222.14	270.51	83.60	-6,290.39	-14,204.90	5,833.45	5,661.34	172.11	33.893		
16,200.00	7,321.00	17,100.00	7,247.03	224.34	270.51	83.60	-6,290.39	-14,204.90	5,733.77	5,561.03	172.74	33.194		
16,300.00	7,321.00	17,100.00	7,247.03	226.55	270.51	83.60	-6,290.39	-14,204.90	5,634.09	5,460.71	173.38	32.495		
16,400.00	7,321.00	17,100.00	7,247.03	228.77	270.51	83.60	-6,290.39	-14,204.90	5,534.42	5,360.37	174.05	31.797		
16,500.00	7,321.00	17,100.00	7,247.03	231.00	270.51	83.60	-6,290.39	-14,204.90	5,434.77	5,260.02	174.75	31.100		
16,600.00	7,321.00	17,100.00	7,247.03	233.25	270.51	83.60	-6,290.39	-14,204.90	5,335.13	5,159.65	175.48	30.403		
16,700.00	7,321.00	17,100.00	7,247.03	235.51	270.51	83.60	-6,290.39	-14,204.90	5,235.51	5,059.27	176.24	29.707		
16,800.00	7,321.00	17,100.00	7,247.03	237.78	270.51	83.60	-6,290.39	-14,204.90	5,135.90	4,958.86	177.03	29.011		
16,900.00	7,321.00	17,100.00	7,247.03	240.06	270.51	83.60	-6,290.39	-14,204.90	5,036.30	4,858.44	177.86	28.317		

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 MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1663-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
17,000.00	7,321.00	17,100.00	7,247.03	242.35	270.51	83.60	-6,290.39	-14,204.90	4,936.72	4,758.00	178.72	27.623		
17,100.00	7,321.00	17,100.00	7,247.03	244.66	270.51	83.60	-6,290.39	-14,204.90	4,837.16	4,657.54	179.62	26.930		
17,200.00	7,321.00	17,100.00	7,247.03	246.97	270.51	83.60	-6,290.39	-14,204.90	4,737.62	4,557.06	180.56	26.238		
17,300.00	7,321.00	17,100.00	7,247.03	249.29	270.51	83.60	-6,290.39	-14,204.90	4,638.09	4,456.55	181.55	25.548		
17,400.00	7,321.00	17,100.00	7,247.03	251.63	270.51	83.60	-6,290.39	-14,204.90	4,538.59	4,356.01	182.58	24.858		
17,500.00	7,321.00	17,100.00	7,247.03	253.97	270.51	83.60	-6,290.39	-14,204.90	4,439.11	4,255.45	183.66	24.170		
17,600.00	7,321.00	17,100.00	7,247.03	256.32	270.51	83.60	-6,290.39	-14,204.90	4,339.65	4,154.85	184.80	23.483		
17,700.00	7,321.00	17,100.00	7,247.03	258.68	270.51	83.60	-6,290.39	-14,204.90	4,240.22	4,054.23	185.99	22.798		
17,800.00	7,321.00	17,100.00	7,247.03	261.05	270.51	83.60	-6,290.39	-14,204.90	4,140.82	3,953.57	187.25	22.114		
17,900.00	7,321.00	17,100.00	7,247.03	263.43	270.51	83.60	-6,290.39	-14,204.90	4,041.44	3,852.87	188.58	21.431		
18,000.00	7,321.00	17,100.00	7,247.03	265.81	270.51	83.60	-6,290.39	-14,204.90	3,942.10	3,752.13	189.97	20.751		
18,100.00	7,321.00	17,100.00	7,247.03	268.21	270.51	83.60	-6,290.39	-14,204.90	3,842.79	3,651.35	191.45	20.072		
18,200.00	7,321.00	17,100.00	7,247.03	270.61	270.51	83.60	-6,290.39	-14,204.90	3,743.52	3,550.52	193.01	19.396		
18,300.00	7,321.00	17,100.00	7,247.03	273.02	270.51	83.60	-6,290.39	-14,204.90	3,644.29	3,449.63	194.66	18.722		
18,400.00	7,321.00	17,100.00	7,247.03	275.43	270.51	83.60	-6,290.39	-14,204.90	3,545.10	3,348.70	196.40	18.050		
18,500.00	7,321.00	17,100.00	7,247.03	277.86	270.51	83.60	-6,290.39	-14,204.90	3,445.96	3,247.70	198.26	17.381		
18,600.00	7,321.00	17,100.00	7,247.03	280.28	270.51	83.60	-6,290.39	-14,204.90	3,346.87	3,146.64	200.23	16.715		
18,700.00	7,321.00	17,100.00	7,247.03	282.72	270.51	83.60	-6,290.39	-14,204.90	3,247.83	3,045.50	202.34	16.052		
18,800.00	7,321.00	17,100.00	7,247.03	285.16	270.51	83.60	-6,290.39	-14,204.90	3,148.86	2,944.28	204.58	15.392		
18,900.00	7,321.00	17,100.00	7,247.03	287.61	270.51	83.60	-6,290.39	-14,204.90	3,049.95	2,842.98	206.97	14.736		
19,000.00	7,321.00	17,100.00	7,247.03	290.06	270.51	83.60	-6,290.39	-14,204.90	2,951.12	2,741.58	209.54	14.084		
19,100.00	7,321.00	17,100.00	7,247.03	292.52	270.51	83.60	-6,290.39	-14,204.90	2,852.37	2,640.08	212.29	13.436		
19,200.00	7,321.00	17,100.00	7,247.03	294.99	270.51	83.60	-6,290.39	-14,204.90	2,753.71	2,538.46	215.25	12.793		
19,300.00	7,321.00	17,100.00	7,247.03	297.46	270.51	83.60	-6,290.39	-14,204.90	2,655.15	2,436.71	218.44	12.155		
19,400.00	7,321.00	17,100.00	7,247.03	299.94	270.51	83.60	-6,290.39	-14,204.90	2,556.70	2,334.81	221.89	11.523		
19,500.00	7,321.00	17,100.00	7,247.03	302.42	270.51	83.60	-6,290.39	-14,204.90	2,458.37	2,232.76	225.62	10.896		
19,600.00	7,321.00	17,100.00	7,247.03	304.90	270.51	83.60	-6,290.39	-14,204.90	2,360.19	2,130.52	229.67	10.277		
19,700.00	7,321.00	17,100.00	7,247.03	307.40	270.51	83.60	-6,290.39	-14,204.90	2,262.16	2,028.08	234.08	9.664		
19,800.00	7,321.00	17,100.00	7,247.03	309.89	270.51	83.60	-6,290.39	-14,204.90	2,164.32	1,925.42	238.90	9.059		
19,900.00	7,321.00	17,100.00	7,247.03	312.39	270.51	83.60	-6,290.39	-14,204.90	2,066.68	1,822.49	244.19	8.464		
20,000.00	7,321.00	17,100.00	7,247.03	314.90	270.51	83.60	-6,290.39	-14,204.90	1,969.28	1,719.28	250.00	7.877		
20,100.00	7,321.00	17,100.00	7,247.03	317.41	270.51	83.60	-6,290.39	-14,204.90	1,872.15	1,615.73	256.42	7.301		
20,200.00	7,321.00	17,100.00	7,247.03	319.92	270.51	83.60	-6,290.39	-14,204.90	1,775.35	1,511.80	263.54	6.737		
20,300.00	7,321.00	17,100.00	7,247.03	322.44	270.51	83.60	-6,290.39	-14,204.90	1,678.91	1,407.44	271.47	6.184		
20,400.00	7,321.00	17,100.00	7,247.03	324.96	270.51	83.60	-6,290.39	-14,204.90	1,582.92	1,302.57	280.35	5.646		
20,500.00	7,321.00	17,100.00	7,247.03	327.49	270.51	83.60	-6,290.39	-14,204.90	1,487.46	1,197.13	290.33	5.123		
20,600.00	7,321.00	17,100.00	7,247.03	330.02	270.51	83.60	-6,290.39	-14,204.90	1,392.63	1,091.01	301.62	4.617		
20,700.00	7,321.00	17,100.00	7,247.03	332.55	270.51	83.60	-6,290.39	-14,204.90	1,298.59	984.12	314.46	4.130		
20,800.00	7,321.00	17,100.00	7,247.03	335.09	270.51	83.60	-6,290.39	-14,204.90	1,205.50	876.35	329.14	3.663		
20,900.00	7,321.00	17,100.00	7,247.03	337.63	270.51	83.60	-6,290.39	-14,204.90	1,113.60	767.57	346.03	3.218		
21,000.00	7,321.00	17,100.00	7,247.03	340.17	270.51	83.60	-6,290.39	-14,204.90	1,023.23	657.68	365.56	2.799		
21,100.00	7,321.00	17,100.00	7,247.03	342.72	270.51	83.60	-6,290.39	-14,204.90	934.83	546.60	388.22	2.408		
21,200.00	7,321.00	17,100.00	7,247.03	345.27	270.51	83.60	-6,290.39	-14,204.90	849.00	434.42	414.57	2.048		
21,300.00	7,321.00	17,100.00	7,247.03	347.82	270.51	83.60	-6,290.39	-14,204.90	766.61	321.51	445.11	1.722		
21,400.00	7,321.00	17,100.00	7,247.03	350.38	270.51	83.60	-6,290.39	-14,204.90	688.90	208.87	480.04	1.435 Level 3		
21,500.00	7,321.00	17,100.00	7,247.03	352.94	270.51	83.60	-6,290.39	-14,204.90	617.64	98.85	518.79	1.191 Level 2		
21,600.00	7,321.00	17,100.00	7,247.03	355.50	270.51	83.60	-6,290.39	-14,204.90	555.32	-3.73	559.05	0.993 Level 1		
21,700.00	7,321.00	17,100.00	7,247.03	358.07	270.51	83.60	-6,290.39	-14,204.90	505.25	-90.10	595.35	0.849 Level 1		
21,746.26	7,321.00	17,100.00	7,247.03	359.25	270.51	83.60	-6,290.39	-14,204.90	487.31	-121.04	608.35	0.801 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 MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1663-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,800.00	7,321.00	16,848.00	7,073.89	147.91	270.18	48.77	-6,488.79	-14,197.47	10,113.49	9,959.66	153.83	65.743		
11,900.00	7,321.00	16,848.00	7,073.89	149.05	270.18	48.77	-6,488.79	-14,197.47	10,013.55	9,859.62	153.93	65.053		
12,000.00	7,321.00	16,848.00	7,073.89	150.22	270.18	48.77	-6,488.79	-14,197.47	9,913.61	9,759.58	154.03	64.362		
12,100.00	7,321.00	16,848.00	7,073.89	151.42	270.18	48.77	-6,488.79	-14,197.47	9,813.67	9,659.54	154.13	63.672		
12,200.00	7,321.00	16,848.00	7,073.89	152.66	270.18	48.77	-6,488.79	-14,197.47	9,713.73	9,559.49	154.23	62.982		
12,300.00	7,321.00	16,848.00	7,073.89	153.93	270.18	48.77	-6,488.79	-14,197.47	9,613.79	9,459.45	154.34	62.291		
12,400.00	7,321.00	16,848.00	7,073.89	155.22	270.18	48.77	-6,488.79	-14,197.47	9,513.85	9,359.41	154.44	61.601		
12,500.00	7,321.00	16,848.00	7,073.89	156.55	270.18	48.77	-6,488.79	-14,197.47	9,413.92	9,259.36	154.55	60.910		
12,600.00	7,321.00	16,848.00	7,073.89	157.91	270.18	48.77	-6,488.79	-14,197.47	9,313.98	9,159.32	154.67	60.220		
12,700.00	7,321.00	16,848.00	7,073.89	159.31	270.18	48.77	-6,488.79	-14,197.47	9,214.05	9,059.27	154.78	59.530		
12,800.00	7,321.00	16,848.00	7,073.89	160.73	270.18	48.77	-6,488.79	-14,197.47	9,114.12	8,959.22	154.90	58.839		
12,900.00	7,321.00	16,848.00	7,073.89	162.18	270.18	48.77	-6,488.79	-14,197.47	9,014.19	8,859.17	155.02	58.149		
13,000.00	7,321.00	16,848.00	7,073.89	163.67	270.18	48.77	-6,488.79	-14,197.47	8,914.26	8,759.12	155.14	57.458		
13,100.00	7,321.00	16,848.00	7,073.89	165.18	270.18	48.77	-6,488.79	-14,197.47	8,814.33	8,659.06	155.27	56.768		
13,200.00	7,321.00	16,848.00	7,073.89	166.73	270.18	48.77	-6,488.79	-14,197.47	8,714.41	8,559.01	155.40	56.077		
13,300.00	7,321.00	16,848.00	7,073.89	168.30	270.18	48.77	-6,488.79	-14,197.47	8,614.49	8,458.95	155.53	55.387		
13,400.00	7,321.00	16,848.00	7,073.89	169.90	270.18	48.77	-6,488.79	-14,197.47	8,514.56	8,358.89	155.67	54.696		
13,500.00	7,321.00	16,848.00	7,073.89	171.53	270.18	48.77	-6,488.79	-14,197.47	8,414.65	8,258.84	155.81	54.006		
13,600.00	7,321.00	16,848.00	7,073.89	173.19	270.18	48.77	-6,488.79	-14,197.47	8,314.73	8,158.77	155.95	53.315		
13,700.00	7,321.00	16,848.00	7,073.89	174.88	270.18	48.77	-6,488.79	-14,197.47	8,214.81	8,058.71	156.10	52.625		
13,800.00	7,321.00	16,848.00	7,073.89	176.59	270.18	48.77	-6,488.79	-14,197.47	8,114.90	7,958.65	156.25	51.934		
13,900.00	7,321.00	16,848.00	7,073.89	178.33	270.18	48.77	-6,488.79	-14,197.47	8,014.99	7,858.58	156.41	51.244		
14,000.00	7,321.00	16,848.00	7,073.89	180.09	270.18	48.77	-6,488.79	-14,197.47	7,915.08	7,758.51	156.57	50.554		
14,100.00	7,321.00	16,848.00	7,073.89	181.88	270.18	48.77	-6,488.79	-14,197.47	7,815.17	7,658.44	156.73	49.863		
14,200.00	7,321.00	16,848.00	7,073.89	183.70	270.18	48.77	-6,488.79	-14,197.47	7,715.27	7,558.37	156.90	49.173		
14,300.00	7,321.00	16,848.00	7,073.89	185.54	270.18	48.77	-6,488.79	-14,197.47	7,615.37	7,458.29	157.07	48.482		
14,400.00	7,321.00	16,848.00	7,073.89	187.40	270.18	48.77	-6,488.79	-14,197.47	7,515.47	7,358.22	157.25	47.792		
14,500.00	7,321.00	16,848.00	7,073.89	189.29	270.18	48.77	-6,488.79	-14,197.47	7,415.57	7,258.14	157.44	47.102		
14,600.00	7,321.00	16,848.00	7,073.89	191.20	270.18	48.77	-6,488.79	-14,197.47	7,315.68	7,158.05	157.63	46.412		
14,700.00	7,321.00	16,848.00	7,073.89	193.13	270.18	48.77	-6,488.79	-14,197.47	7,215.79	7,057.97	157.82	45.721		
14,800.00	7,321.00	16,848.00	7,073.89	195.08	270.18	48.77	-6,488.79	-14,197.47	7,115.90	6,957.88	158.02	45.031		
14,900.00	7,321.00	16,848.00	7,073.89	197.05	270.18	48.77	-6,488.79	-14,197.47	7,016.02	6,857.79	158.23	44.341		
15,000.00	7,321.00	16,848.00	7,073.89	199.04	270.18	48.77	-6,488.79	-14,197.47	6,916.14	6,757.69	158.44	43.651		
15,100.00	7,321.00	16,848.00	7,073.89	201.06	270.18	48.77	-6,488.79	-14,197.47	6,816.26	6,657.60	158.66	42.961		
15,200.00	7,321.00	16,848.00	7,073.89	203.09	270.18	48.77	-6,488.79	-14,197.47	6,716.39	6,557.50	158.89	42.271		
15,300.00	7,321.00	16,848.00	7,073.89	205.14	270.18	48.77	-6,488.79	-14,197.47	6,616.52	6,457.39	159.12	41.581		
15,400.00	7,321.00	16,848.00	7,073.89	207.21	270.18	48.77	-6,488.79	-14,197.47	6,516.65	6,357.28	159.37	40.891		
15,500.00	7,321.00	16,848.00	7,073.89	209.29	270.18	48.77	-6,488.79	-14,197.47	6,416.79	6,257.17	159.62	40.201		
15,600.00	7,321.00	16,848.00	7,073.89	211.39	270.18	48.77	-6,488.79	-14,197.47	6,316.93	6,157.05	159.88	39.511		
15,700.00	7,321.00	16,848.00	7,073.89	213.51	270.18	48.77	-6,488.79	-14,197.47	6,217.08	6,056.93	160.15	38.821		
15,800.00	7,321.00	16,848.00	7,073.89	215.65	270.18	48.77	-6,488.79	-14,197.47	6,117.23	5,956.81	160.42	38.132		
15,900.00	7,321.00	16,848.00	7,073.89	217.80	270.18	48.77	-6,488.79	-14,197.47	6,017.39	5,856.68	160.71	37.442		
16,000.00	7,321.00	16,848.00	7,073.89	219.96	270.18	48.77	-6,488.79	-14,197.47	5,917.55	5,756.54	161.01	36.753		
16,100.00	7,321.00	16,848.00	7,073.89	222.14	270.18	48.77	-6,488.79	-14,197.47	5,817.72	5,656.40	161.32	36.063		
16,200.00	7,321.00	16,848.00	7,073.89	224.34	270.18	48.77	-6,488.79	-14,197.47	5,717.89	5,556.25	161.64	35.374		
16,300.00	7,321.00	16,848.00	7,073.89	226.55	270.18	48.77	-6,488.79	-14,197.47	5,618.07	5,456.10	161.97	34.685		
16,400.00	7,321.00	16,848.00	7,073.89	228.77	270.18	48.77	-6,488.79	-14,197.47	5,518.26	5,355.94	162.32	33.996		
16,500.00	7,321.00	16,848.00	7,073.89	231.00	270.18	48.77	-6,488.79	-14,197.47	5,418.45	5,255.77	162.68	33.307		
16,600.00	7,321.00	16,848.00	7,073.89	233.25	270.18	48.77	-6,488.79	-14,197.47	5,318.65	5,155.59	163.06	32.618		
16,700.00	7,321.00	16,848.00	7,073.89	235.51	270.18	48.77	-6,488.79	-14,197.47	5,218.86	5,055.41	163.45	31.929		
16,800.00	7,321.00	16,848.00	7,073.89	237.78	270.18	48.77	-6,488.79	-14,197.47	5,119.08	4,955.22	163.86	31.241		
16,900.00	7,321.00	16,848.00	7,073.89	240.06	270.18	48.77	-6,488.79	-14,197.47	5,019.30	4,855.02	164.29	30.552		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 5-T6N-R67W - VARRA 8 - Wellbore #1 - Wellbore #1		Offset Site Error:		0.00 usft	
Survey Program: 1663-MWD OWSG													Offset Well Error:		0.00 usft			
Reference		Offset		Semi Major Axis		Distance								Warning				
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						
17,000.00	7,321.00	16,848.00	7,073.89	242.35	270.18	48.77	-6,488.79	-14,197.47	4,919.54	4,754.81	164.73	29.864						
17,100.00	7,321.00	16,848.00	7,073.89	244.66	270.18	48.77	-6,488.79	-14,197.47	4,819.78	4,654.58	165.20	29.176						
17,200.00	7,321.00	16,848.00	7,073.89	246.97	270.18	48.77	-6,488.79	-14,197.47	4,720.04	4,554.35	165.68	28.488						
17,300.00	7,321.00	16,848.00	7,073.89	249.29	270.18	48.77	-6,488.79	-14,197.47	4,620.30	4,454.11	166.19	27.801						
17,400.00	7,321.00	16,848.00	7,073.89	251.63	270.18	48.77	-6,488.79	-14,197.47	4,520.58	4,353.85	166.73	27.113						
17,500.00	7,321.00	16,848.00	7,073.89	253.97	270.18	48.77	-6,488.79	-14,197.47	4,420.87	4,253.58	167.29	26.426						
17,600.00	7,321.00	16,848.00	7,073.89	256.32	270.18	48.77	-6,488.79	-14,197.47	4,321.17	4,153.29	167.88	25.739						
17,700.00	7,321.00	16,848.00	7,073.89	258.68	270.18	48.77	-6,488.79	-14,197.47	4,221.49	4,052.99	168.50	25.053						
17,800.00	7,321.00	16,848.00	7,073.89	261.05	270.18	48.77	-6,488.79	-14,197.47	4,121.82	3,952.66	169.16	24.367						
17,900.00	7,321.00	16,848.00	7,073.89	263.43	270.18	48.77	-6,488.79	-14,197.47	4,022.17	3,852.32	169.85	23.681						
18,000.00	7,321.00	16,848.00	7,073.89	265.81	270.18	48.77	-6,488.79	-14,197.47	3,922.54	3,751.96	170.58	22.996						
18,100.00	7,321.00	16,848.00	7,073.89	268.21	270.18	48.77	-6,488.79	-14,197.47	3,822.92	3,651.58	171.35	22.311						
18,200.00	7,321.00	16,848.00	7,073.89	270.61	270.18	48.77	-6,488.79	-14,197.47	3,723.33	3,551.17	172.16	21.627						
18,300.00	7,321.00	16,848.00	7,073.89	273.02	270.18	48.77	-6,488.79	-14,197.47	3,623.76	3,450.73	173.03	20.943						
18,400.00	7,321.00	16,848.00	7,073.89	275.43	270.18	48.77	-6,488.79	-14,197.47	3,524.21	3,350.27	173.95	20.260						
18,500.00	7,321.00	16,848.00	7,073.89	277.86	270.18	48.77	-6,488.79	-14,197.47	3,424.70	3,249.77	174.93	19.578						
18,600.00	7,321.00	16,848.00	7,073.89	280.28	270.18	48.77	-6,488.79	-14,197.47	3,325.20	3,149.23	175.97	18.896						
18,700.00	7,321.00	16,848.00	7,073.89	282.72	270.18	48.77	-6,488.79	-14,197.47	3,225.74	3,048.66	177.08	18.216						
18,800.00	7,321.00	16,848.00	7,073.89	285.16	270.18	48.77	-6,488.79	-14,197.47	3,126.32	2,948.04	178.28	17.536						
18,900.00	7,321.00	16,848.00	7,073.89	287.61	270.18	48.77	-6,488.79	-14,197.47	3,026.93	2,847.38	179.55	16.858						
19,000.00	7,321.00	16,848.00	7,073.89	290.06	270.18	48.77	-6,488.79	-14,197.47	2,927.59	2,746.66	180.93	16.181						
19,100.00	7,321.00	16,848.00	7,073.89	292.52	270.18	48.77	-6,488.79	-14,197.47	2,828.29	2,645.88	182.40	15.506						
19,200.00	7,321.00	16,848.00	7,073.89	294.99	270.18	48.77	-6,488.79	-14,197.47	2,729.04	2,545.04	184.00	14.832						
19,300.00	7,321.00	16,848.00	7,073.89	297.46	270.18	48.77	-6,488.79	-14,197.47	2,629.85	2,444.12	185.72	14.160						
19,400.00	7,321.00	16,848.00	7,073.89	299.94	270.18	48.77	-6,488.79	-14,197.47	2,530.72	2,343.13	187.60	13.490						
19,500.00	7,321.00	16,848.00	7,073.89	302.42	270.18	48.77	-6,488.79	-14,197.47	2,431.66	2,242.03	189.63	12.823						
19,600.00	7,321.00	16,848.00	7,073.89	304.90	270.18	48.77	-6,488.79	-14,197.47	2,332.69	2,140.83	191.85	12.159						
19,700.00	7,321.00	16,848.00	7,073.89	307.40	270.18	48.77	-6,488.79	-14,197.47	2,233.80	2,039.52	194.29	11.497						
19,800.00	7,321.00	16,848.00	7,073.89	309.89	270.18	48.77	-6,488.79	-14,197.47	2,135.02	1,938.06	196.96	10.840						
19,900.00	7,321.00	16,848.00	7,073.89	312.39	270.18	48.77	-6,488.79	-14,197.47	2,036.36	1,836.45	199.91	10.186						
20,000.00	7,321.00	16,848.00	7,073.89	314.90	270.18	48.77	-6,488.79	-14,197.47	1,937.84	1,734.66	203.18	9.538						
20,100.00	7,321.00	16,848.00	7,073.89	317.41	270.18	48.77	-6,488.79	-14,197.47	1,839.47	1,632.66	206.81	8.894						
20,200.00	7,321.00	16,848.00	7,073.89	319.92	270.18	48.77	-6,488.79	-14,197.47	1,741.30	1,530.42	210.87	8.258						
20,300.00	7,321.00	16,848.00	7,073.89	322.44	270.18	48.77	-6,488.79	-14,197.47	1,643.34	1,427.90	215.44	7.628						
20,400.00	7,321.00	16,848.00	7,073.89	324.96	270.18	48.77	-6,488.79	-14,197.47	1,545.64	1,325.05	220.59	7.007						
20,500.00	7,321.00	16,848.00	7,073.89	327.49	270.18	48.77	-6,488.79	-14,197.47	1,448.26	1,221.80	226.46	6.395						
20,600.00	7,321.00	16,848.00	7,073.89	330.02	270.18	48.77	-6,488.79	-14,197.47	1,351.26	1,118.09	233.17	5.795						
20,700.00	7,321.00	16,848.00	7,073.89	332.55	270.18	48.77	-6,488.79	-14,197.47	1,254.73	1,013.82	240.91	5.208						
20,800.00	7,321.00	16,848.00	7,073.89	335.09	270.18	48.77	-6,488.79	-14,197.47	1,158.79	908.88	249.91	4.637						
20,900.00	7,321.00	16,848.00	7,073.89	337.63	270.18	48.77	-6,488.79	-14,197.47	1,063.59	803.13	260.46	4.083						
21,000.00	7,321.00	16,848.00	7,073.89	340.17	270.18	48.77	-6,488.79	-14,197.47	969.37	696.41	272.96	3.551						
21,100.00	7,321.00	16,848.00	7,073.89	342.72	270.18	48.77	-6,488.79	-14,197.47	876.43	588.52	287.91	3.044						
21,200.00	7,321.00	16,848.00	7,073.89	345.27	270.18	48.77	-6,488.79	-14,197.47	785.22	479.28	305.94	2.567						
21,300.00	7,321.00	16,848.00	7,073.89	347.82	270.18	48.77	-6,488.79	-14,197.47	696.43	368.58	327.85	2.124						
21,400.00	7,321.00	16,848.00	7,073.89	350.38	270.18	48.77	-6,488.79	-14,197.47	611.11	256.59	354.52	1.724						
21,500.00	7,321.00	16,848.00	7,073.89	352.94	270.18	48.77	-6,488.79	-14,197.47	530.95	144.38	386.57	1.373	Level 3					
21,600.00	7,321.00	16,848.00	7,073.89	355.50	270.18	48.77	-6,488.79	-14,197.47	458.64	35.28	423.36	1.083	Level 2					
21,700.00	7,321.00	16,848.00	7,073.89	358.07	270.18	48.77	-6,488.79	-14,197.47	398.49	-61.98	460.47	0.865	Level 1					
21,746.26	7,321.00	16,848.00	7,073.89	359.25	270.18	48.77	-6,488.79	-14,197.47	376.45	-98.30	474.75	0.793	Level 1, CC, ES, SF					

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1663-MWD OWSG, 6796-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,800.00	7,321.00	16,811.00	7,075.38	147.91	264.78	-22.94	-6,838.71	-14,211.71	10,124.33	9,968.35	155.97	64.911		
11,900.00	7,321.00	16,811.00	7,075.38	149.05	264.78	-22.94	-6,838.71	-14,211.71	10,024.36	9,868.39	155.97	64.273		
12,000.00	7,321.00	16,811.00	7,075.38	150.22	264.78	-22.94	-6,838.71	-14,211.71	9,924.38	9,768.42	155.96	63.634		
12,100.00	7,321.00	16,811.00	7,075.38	151.42	264.78	-22.94	-6,838.71	-14,211.71	9,824.41	9,668.46	155.95	62.996		
12,200.00	7,321.00	16,811.00	7,075.38	152.66	264.78	-22.94	-6,838.71	-14,211.71	9,724.45	9,568.50	155.95	62.357		
12,300.00	7,321.00	16,811.00	7,075.38	153.93	264.78	-22.94	-6,838.71	-14,211.71	9,624.48	9,468.53	155.94	61.718		
12,400.00	7,321.00	16,811.00	7,075.38	155.22	264.78	-22.94	-6,838.71	-14,211.71	9,524.51	9,368.57	155.94	61.080		
12,500.00	7,321.00	16,811.00	7,075.38	156.55	264.78	-22.94	-6,838.71	-14,211.71	9,424.54	9,268.61	155.93	60.441		
12,600.00	7,321.00	16,811.00	7,075.38	157.91	264.78	-22.94	-6,838.71	-14,211.71	9,324.57	9,168.65	155.92	59.803		
12,700.00	7,321.00	16,811.00	7,075.38	159.31	264.78	-22.94	-6,838.71	-14,211.71	9,224.61	9,068.69	155.92	59.164		
12,800.00	7,321.00	16,811.00	7,075.38	160.73	264.78	-22.94	-6,838.71	-14,211.71	9,124.64	8,968.73	155.91	58.525		
12,900.00	7,321.00	16,811.00	7,075.38	162.18	264.78	-22.94	-6,838.71	-14,211.71	9,024.68	8,868.78	155.90	57.887		
13,000.00	7,321.00	16,811.00	7,075.38	163.67	264.78	-22.94	-6,838.71	-14,211.71	8,924.71	8,768.82	155.90	57.248		
13,100.00	7,321.00	16,811.00	7,075.38	165.18	264.78	-22.94	-6,838.71	-14,211.71	8,824.75	8,668.86	155.89	56.609		
13,200.00	7,321.00	16,811.00	7,075.38	166.73	264.78	-22.94	-6,838.71	-14,211.71	8,724.79	8,568.91	155.88	55.971		
13,300.00	7,321.00	16,811.00	7,075.38	168.30	264.78	-22.94	-6,838.71	-14,211.71	8,624.83	8,468.95	155.87	55.332		
13,400.00	7,321.00	16,811.00	7,075.38	169.90	264.78	-22.94	-6,838.71	-14,211.71	8,524.87	8,369.00	155.87	54.694		
13,500.00	7,321.00	16,811.00	7,075.38	171.53	264.78	-22.94	-6,838.71	-14,211.71	8,424.91	8,269.05	155.86	54.055		
13,600.00	7,321.00	16,811.00	7,075.38	173.19	264.78	-22.94	-6,838.71	-14,211.71	8,324.95	8,169.10	155.85	53.416		
13,700.00	7,321.00	16,811.00	7,075.38	174.88	264.78	-22.94	-6,838.71	-14,211.71	8,224.99	8,069.15	155.84	52.778		
13,800.00	7,321.00	16,811.00	7,075.38	176.59	264.78	-22.94	-6,838.71	-14,211.71	8,125.04	7,969.20	155.83	52.139		
13,900.00	7,321.00	16,811.00	7,075.38	178.33	264.78	-22.94	-6,838.71	-14,211.71	8,025.08	7,869.26	155.82	51.501		
14,000.00	7,321.00	16,811.00	7,075.38	180.09	264.78	-22.94	-6,838.71	-14,211.71	7,925.13	7,769.31	155.82	50.862		
14,100.00	7,321.00	16,811.00	7,075.38	181.88	264.78	-22.94	-6,838.71	-14,211.71	7,825.17	7,669.37	155.81	50.224		
14,200.00	7,321.00	16,811.00	7,075.38	183.70	264.78	-22.94	-6,838.71	-14,211.71	7,725.22	7,569.43	155.80	49.585		
14,300.00	7,321.00	16,811.00	7,075.38	185.54	264.78	-22.94	-6,838.71	-14,211.71	7,625.27	7,469.49	155.79	48.947		
14,400.00	7,321.00	16,811.00	7,075.38	187.40	264.78	-22.94	-6,838.71	-14,211.71	7,525.32	7,369.55	155.78	48.308		
14,500.00	7,321.00	16,811.00	7,075.38	189.29	264.78	-22.94	-6,838.71	-14,211.71	7,425.38	7,269.61	155.77	47.670		
14,600.00	7,321.00	16,811.00	7,075.38	191.20	264.78	-22.94	-6,838.71	-14,211.71	7,325.43	7,169.67	155.76	47.031		
14,700.00	7,321.00	16,811.00	7,075.38	193.13	264.78	-22.94	-6,838.71	-14,211.71	7,225.49	7,069.74	155.74	46.393		
14,800.00	7,321.00	16,811.00	7,075.38	195.08	264.78	-22.94	-6,838.71	-14,211.71	7,125.54	6,969.81	155.73	45.755		
14,900.00	7,321.00	16,811.00	7,075.38	197.05	264.78	-22.94	-6,838.71	-14,211.71	7,025.60	6,869.88	155.72	45.117		
15,000.00	7,321.00	16,811.00	7,075.38	199.04	264.78	-22.94	-6,838.71	-14,211.71	6,925.66	6,769.95	155.71	44.478		
15,100.00	7,321.00	16,811.00	7,075.38	201.06	264.78	-22.94	-6,838.71	-14,211.71	6,825.72	6,670.03	155.70	43.840		
15,200.00	7,321.00	16,811.00	7,075.38	203.09	264.78	-22.94	-6,838.71	-14,211.71	6,725.79	6,570.10	155.68	43.202		
15,300.00	7,321.00	16,811.00	7,075.38	205.14	264.78	-22.94	-6,838.71	-14,211.71	6,625.85	6,470.18	155.67	42.564		
15,400.00	7,321.00	16,811.00	7,075.38	207.21	264.78	-22.94	-6,838.71	-14,211.71	6,525.92	6,370.26	155.65	41.926		
15,500.00	7,321.00	16,811.00	7,075.38	209.29	264.78	-22.94	-6,838.71	-14,211.71	6,425.99	6,270.35	155.64	41.288		
15,600.00	7,321.00	16,811.00	7,075.38	211.39	264.78	-22.94	-6,838.71	-14,211.71	6,326.06	6,170.44	155.62	40.649		
15,700.00	7,321.00	16,811.00	7,075.38	213.51	264.78	-22.94	-6,838.71	-14,211.71	6,226.13	6,070.53	155.61	40.011		
15,800.00	7,321.00	16,811.00	7,075.38	215.65	264.78	-22.94	-6,838.71	-14,211.71	6,126.21	5,970.62	155.59	39.374		
15,900.00	7,321.00	16,811.00	7,075.38	217.80	264.78	-22.94	-6,838.71	-14,211.71	6,026.29	5,870.72	155.57	38.736		
16,000.00	7,321.00	16,811.00	7,075.38	219.96	264.78	-22.94	-6,838.71	-14,211.71	5,926.37	5,770.82	155.56	38.098		
16,100.00	7,321.00	16,811.00	7,075.38	222.14	264.78	-22.94	-6,838.71	-14,211.71	5,826.46	5,670.92	155.54	37.460		
16,200.00	7,321.00	16,811.00	7,075.38	224.34	264.78	-22.94	-6,838.71	-14,211.71	5,726.54	5,571.03	155.52	36.822		
16,300.00	7,321.00	16,811.00	7,075.38	226.55	264.78	-22.94	-6,838.71	-14,211.71	5,626.64	5,471.14	155.50	36.184		
16,400.00	7,321.00	16,811.00	7,075.38	228.77	264.78	-22.94	-6,838.71	-14,211.71	5,526.73	5,371.25	155.48	35.547		
16,500.00	7,321.00	16,811.00	7,075.38	231.00	264.78	-22.94	-6,838.71	-14,211.71	5,426.83	5,271.37	155.46	34.909		
16,600.00	7,321.00	16,811.00	7,075.38	233.25	264.78	-22.94	-6,838.71	-14,211.71	5,326.93	5,171.49	155.43	34.271		
16,700.00	7,321.00	16,811.00	7,075.38	235.51	264.78	-22.94	-6,838.71	-14,211.71	5,227.03	5,071.62	155.41	33.634		
16,800.00	7,321.00	16,811.00	7,075.38	237.78	264.78	-22.94	-6,838.71	-14,211.71	5,127.14	4,971.76	155.39	32.996		
16,900.00	7,321.00	16,811.00	7,075.38	240.06	264.78	-22.94	-6,838.71	-14,211.71	5,027.26	4,871.90	155.36	32.359		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1663-MWD OWSG, 6796-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
17,000.00	7,321.00	16,811.00	7,075.38	242.35	264.78	-22.94	-6,838.71	-14,211.71	4,927.37	4,772.04	155.33	31.721		
17,100.00	7,321.00	16,811.00	7,075.38	244.66	264.78	-22.94	-6,838.71	-14,211.71	4,827.50	4,672.19	155.31	31.084		
17,200.00	7,321.00	16,811.00	7,075.38	246.97	264.78	-22.94	-6,838.71	-14,211.71	4,727.62	4,572.35	155.28	30.446		
17,300.00	7,321.00	16,811.00	7,075.38	249.29	264.78	-22.94	-6,838.71	-14,211.71	4,627.76	4,472.51	155.25	29.809		
17,400.00	7,321.00	16,811.00	7,075.38	251.63	264.78	-22.94	-6,838.71	-14,211.71	4,527.90	4,372.68	155.22	29.172		
17,500.00	7,321.00	16,811.00	7,075.38	253.97	264.78	-22.94	-6,838.71	-14,211.71	4,428.04	4,272.86	155.18	28.534		
17,600.00	7,321.00	16,811.00	7,075.38	256.32	264.78	-22.94	-6,838.71	-14,211.71	4,328.20	4,173.05	155.15	27.897		
17,700.00	7,321.00	16,811.00	7,075.38	258.68	264.78	-22.94	-6,838.71	-14,211.71	4,228.36	4,073.24	155.11	27.260		
17,800.00	7,321.00	16,811.00	7,075.38	261.05	264.78	-22.94	-6,838.71	-14,211.71	4,128.52	3,973.45	155.08	26.622		
17,900.00	7,321.00	16,811.00	7,075.38	263.43	264.78	-22.94	-6,838.71	-14,211.71	4,028.70	3,873.66	155.04	25.985		
18,000.00	7,321.00	16,811.00	7,075.38	265.81	264.78	-22.94	-6,838.71	-14,211.71	3,928.88	3,773.89	155.00	25.348		
18,100.00	7,321.00	16,811.00	7,075.38	268.21	264.78	-22.94	-6,838.71	-14,211.71	3,829.08	3,674.12	154.96	24.711		
18,200.00	7,321.00	16,811.00	7,075.38	270.61	264.78	-22.94	-6,838.71	-14,211.71	3,729.28	3,574.37	154.91	24.073		
18,300.00	7,321.00	16,811.00	7,075.38	273.02	264.78	-22.94	-6,838.71	-14,211.71	3,629.50	3,474.63	154.87	23.436		
18,400.00	7,321.00	16,811.00	7,075.38	275.43	264.78	-22.94	-6,838.71	-14,211.71	3,529.73	3,374.90	154.82	22.798		
18,500.00	7,321.00	16,811.00	7,075.38	277.86	264.78	-22.94	-6,838.71	-14,211.71	3,429.97	3,275.19	154.78	22.161		
18,600.00	7,321.00	16,811.00	7,075.38	280.28	264.78	-22.94	-6,838.71	-14,211.71	3,330.23	3,175.50	154.73	21.523		
18,700.00	7,321.00	16,811.00	7,075.38	282.72	264.78	-22.94	-6,838.71	-14,211.71	3,230.50	3,075.82	154.67	20.886		
18,800.00	7,321.00	16,811.00	7,075.38	285.16	264.78	-22.94	-6,838.71	-14,211.71	3,130.79	2,976.17	154.62	20.248		
18,900.00	7,321.00	16,811.00	7,075.38	287.61	264.78	-22.94	-6,838.71	-14,211.71	3,031.09	2,876.53	154.57	19.610		
19,000.00	7,321.00	16,811.00	7,075.38	290.06	264.78	-22.94	-6,838.71	-14,211.71	2,931.42	2,776.91	154.51	18.972		
19,100.00	7,321.00	16,811.00	7,075.38	292.52	264.78	-22.94	-6,838.71	-14,211.71	2,831.78	2,677.32	154.45	18.334		
19,200.00	7,321.00	16,811.00	7,075.38	294.99	264.78	-22.94	-6,838.71	-14,211.71	2,732.16	2,577.76	154.40	17.696		
19,300.00	7,321.00	16,811.00	7,075.38	297.46	264.78	-22.94	-6,838.71	-14,211.71	2,632.56	2,478.23	154.34	17.057		
19,400.00	7,321.00	16,811.00	7,075.38	299.94	264.78	-22.94	-6,838.71	-14,211.71	2,533.00	2,378.72	154.28	16.418		
19,500.00	7,321.00	16,811.00	7,075.38	302.42	264.78	-22.94	-6,838.71	-14,211.71	2,433.48	2,279.26	154.22	15.779		
19,600.00	7,321.00	16,811.00	7,075.38	304.90	264.78	-22.94	-6,838.71	-14,211.71	2,333.99	2,179.83	154.16	15.140		
19,700.00	7,321.00	16,811.00	7,075.38	307.40	264.78	-22.94	-6,838.71	-14,211.71	2,234.55	2,080.44	154.11	14.500		
19,800.00	7,321.00	16,811.00	7,075.38	309.89	264.78	-22.94	-6,838.71	-14,211.71	2,135.17	1,981.11	154.06	13.859		
19,900.00	7,321.00	16,811.00	7,075.38	312.39	264.78	-22.94	-6,838.71	-14,211.71	2,035.84	1,881.82	154.02	13.218		
20,000.00	7,321.00	16,811.00	7,075.38	314.90	264.78	-22.94	-6,838.71	-14,211.71	1,936.59	1,782.60	153.99	12.576		
20,100.00	7,321.00	16,811.00	7,075.38	317.41	264.78	-22.94	-6,838.71	-14,211.71	1,837.41	1,683.44	153.97	11.934		
20,200.00	7,321.00	16,811.00	7,075.38	319.92	264.78	-22.94	-6,838.71	-14,211.71	1,738.33	1,584.36	153.97	11.290		
20,300.00	7,321.00	16,811.00	7,075.38	322.44	264.78	-22.94	-6,838.71	-14,211.71	1,639.36	1,485.37	153.99	10.646		
20,400.00	7,321.00	16,811.00	7,075.38	324.96	264.78	-22.94	-6,838.71	-14,211.71	1,540.52	1,386.47	154.05	10.000		
20,500.00	7,321.00	16,811.00	7,075.38	327.49	264.78	-22.94	-6,838.71	-14,211.71	1,441.85	1,287.68	154.17	9.353		
20,600.00	7,321.00	16,811.00	7,075.38	330.02	264.78	-22.94	-6,838.71	-14,211.71	1,343.37	1,189.02	154.35	8.704		
20,700.00	7,321.00	16,811.00	7,075.38	332.55	264.78	-22.94	-6,838.71	-14,211.71	1,245.13	1,090.50	154.63	8.052		
20,800.00	7,321.00	16,811.00	7,075.38	335.09	264.78	-22.94	-6,838.71	-14,211.71	1,147.20	992.15	155.05	7.399		
20,900.00	7,321.00	16,811.00	7,075.38	337.63	264.78	-22.94	-6,838.71	-14,211.71	1,049.65	893.98	155.68	6.742		
21,000.00	7,321.00	16,811.00	7,075.38	340.17	264.78	-22.94	-6,838.71	-14,211.71	952.62	796.01	156.61	6.083		
21,100.00	7,321.00	16,811.00	7,075.38	342.72	264.78	-22.94	-6,838.71	-14,211.71	856.27	698.25	158.02	5.419		
21,200.00	7,321.00	16,811.00	7,075.38	345.27	264.78	-22.94	-6,838.71	-14,211.71	760.86	600.70	160.16	4.750		
21,300.00	7,321.00	16,811.00	7,075.38	347.82	264.78	-22.94	-6,838.71	-14,211.71	666.80	503.26	163.54	4.077		
21,400.00	7,321.00	16,811.00	7,075.38	350.38	264.78	-22.94	-6,838.71	-14,211.71	574.75	405.71	169.04	3.400		
21,500.00	7,321.00	16,811.00	7,075.38	352.94	264.78	-22.94	-6,838.71	-14,211.71	485.85	307.47	178.37	2.724		
21,600.00	7,321.00	16,811.00	7,075.38	355.50	264.78	-22.94	-6,838.71	-14,211.71	402.19	207.41	194.78	2.065		
21,700.00	7,321.00	16,811.00	7,075.38	358.07	264.78	-22.94	-6,838.71	-14,211.71	327.83	104.41	223.42	1.467 Level 3		
21,746.26	7,321.00	16,811.00	7,075.38	359.25	264.78	-22.94	-6,838.71	-14,211.71	298.54	56.50	242.03	1.233 Level 2, 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 MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1663-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
12,800.00	7,321.00	15,770.00	6,953.66	160.73	242.60	-11.15	-6,810.71	-15,202.72	10,118.58	9,966.65	151.93	66.599		
12,900.00	7,321.00	15,770.00	6,953.66	162.18	242.60	-11.15	-6,810.71	-15,202.72	10,018.64	9,866.70	151.94	65.939		
13,000.00	7,321.00	15,770.00	6,953.66	163.67	242.60	-11.15	-6,810.71	-15,202.72	9,918.70	9,766.76	151.94	65.279		
13,100.00	7,321.00	15,770.00	6,953.66	165.18	242.60	-11.15	-6,810.71	-15,202.72	9,818.77	9,666.82	151.95	64.618		
13,200.00	7,321.00	15,770.00	6,953.66	166.73	242.60	-11.15	-6,810.71	-15,202.72	9,718.83	9,566.87	151.96	63.958		
13,300.00	7,321.00	15,770.00	6,953.66	168.30	242.60	-11.15	-6,810.71	-15,202.72	9,618.90	9,466.93	151.96	63.297		
13,400.00	7,321.00	15,770.00	6,953.66	169.90	242.60	-11.15	-6,810.71	-15,202.72	9,518.96	9,366.99	151.97	62.637		
13,500.00	7,321.00	15,770.00	6,953.66	171.53	242.60	-11.15	-6,810.71	-15,202.72	9,419.03	9,267.05	151.98	61.977		
13,600.00	7,321.00	15,770.00	6,953.66	173.19	242.60	-11.15	-6,810.71	-15,202.72	9,319.10	9,167.12	151.98	61.316		
13,700.00	7,321.00	15,770.00	6,953.66	174.88	242.60	-11.15	-6,810.71	-15,202.72	9,219.17	9,067.18	151.99	60.656		
13,800.00	7,321.00	15,770.00	6,953.66	176.59	242.60	-11.15	-6,810.71	-15,202.72	9,119.25	8,967.25	152.00	59.995		
13,900.00	7,321.00	15,770.00	6,953.66	178.33	242.60	-11.15	-6,810.71	-15,202.72	9,019.32	8,867.32	152.01	59.335		
14,000.00	7,321.00	15,770.00	6,953.66	180.09	242.60	-11.15	-6,810.71	-15,202.72	8,919.40	8,767.38	152.01	58.675		
14,100.00	7,321.00	15,770.00	6,953.66	181.88	242.60	-11.15	-6,810.71	-15,202.72	8,819.48	8,667.46	152.02	58.014		
14,200.00	7,321.00	15,770.00	6,953.66	183.70	242.60	-11.15	-6,810.71	-15,202.72	8,719.56	8,567.53	152.03	57.354		
14,300.00	7,321.00	15,770.00	6,953.66	185.54	242.60	-11.15	-6,810.71	-15,202.72	8,619.64	8,467.60	152.04	56.694		
14,400.00	7,321.00	15,770.00	6,953.66	187.40	242.60	-11.15	-6,810.71	-15,202.72	8,519.72	8,367.68	152.05	56.034		
14,500.00	7,321.00	15,770.00	6,953.66	189.29	242.60	-11.15	-6,810.71	-15,202.72	8,419.81	8,267.75	152.05	55.374		
14,600.00	7,321.00	15,770.00	6,953.66	191.20	242.60	-11.15	-6,810.71	-15,202.72	8,319.90	8,167.83	152.06	54.713		
14,700.00	7,321.00	15,770.00	6,953.66	193.13	242.60	-11.15	-6,810.71	-15,202.72	8,219.99	8,067.92	152.07	54.053		
14,800.00	7,321.00	15,770.00	6,953.66	195.08	242.60	-11.15	-6,810.71	-15,202.72	8,120.08	7,968.00	152.08	53.393		
14,900.00	7,321.00	15,770.00	6,953.66	197.05	242.60	-11.15	-6,810.71	-15,202.72	8,020.17	7,868.08	152.09	52.733		
15,000.00	7,321.00	15,770.00	6,953.66	199.04	242.60	-11.15	-6,810.71	-15,202.72	7,920.27	7,768.17	152.10	52.073		
15,100.00	7,321.00	15,770.00	6,953.66	201.06	242.60	-11.15	-6,810.71	-15,202.72	7,820.37	7,668.26	152.11	51.413		
15,200.00	7,321.00	15,770.00	6,953.66	203.09	242.60	-11.15	-6,810.71	-15,202.72	7,720.47	7,568.36	152.12	50.753		
15,300.00	7,321.00	15,770.00	6,953.66	205.14	242.60	-11.15	-6,810.71	-15,202.72	7,620.58	7,468.45	152.13	50.094		
15,400.00	7,321.00	15,770.00	6,953.66	207.21	242.60	-11.15	-6,810.71	-15,202.72	7,520.68	7,368.55	152.14	49.434		
15,500.00	7,321.00	15,770.00	6,953.66	209.29	242.60	-11.15	-6,810.71	-15,202.72	7,420.80	7,268.65	152.15	48.774		
15,600.00	7,321.00	15,770.00	6,953.66	211.39	242.60	-11.15	-6,810.71	-15,202.72	7,320.91	7,168.75	152.16	48.114		
15,700.00	7,321.00	15,770.00	6,953.66	213.51	242.60	-11.15	-6,810.71	-15,202.72	7,221.03	7,068.86	152.17	47.455		
15,800.00	7,321.00	15,770.00	6,953.66	215.65	242.60	-11.15	-6,810.71	-15,202.72	7,121.15	6,968.97	152.18	46.795		
15,900.00	7,321.00	15,770.00	6,953.66	217.80	242.60	-11.15	-6,810.71	-15,202.72	7,021.27	6,869.08	152.19	46.136		
16,000.00	7,321.00	15,770.00	6,953.66	219.96	242.60	-11.15	-6,810.71	-15,202.72	6,921.40	6,769.20	152.20	45.476		
16,100.00	7,321.00	15,770.00	6,953.66	222.14	242.60	-11.15	-6,810.71	-15,202.72	6,821.53	6,669.32	152.21	44.817		
16,200.00	7,321.00	15,770.00	6,953.66	224.34	242.60	-11.15	-6,810.71	-15,202.72	6,721.66	6,569.44	152.22	44.157		
16,300.00	7,321.00	15,770.00	6,953.66	226.55	242.60	-11.15	-6,810.71	-15,202.72	6,621.80	6,469.57	152.23	43.498		
16,400.00	7,321.00	15,770.00	6,953.66	228.77	242.60	-11.15	-6,810.71	-15,202.72	6,521.94	6,369.70	152.24	42.839		
16,500.00	7,321.00	15,770.00	6,953.66	231.00	242.60	-11.15	-6,810.71	-15,202.72	6,422.09	6,269.83	152.26	42.180		
16,600.00	7,321.00	15,770.00	6,953.66	233.25	242.60	-11.15	-6,810.71	-15,202.72	6,322.24	6,169.97	152.27	41.521		
16,700.00	7,321.00	15,770.00	6,953.66	235.51	242.60	-11.15	-6,810.71	-15,202.72	6,222.40	6,070.12	152.28	40.862		
16,800.00	7,321.00	15,770.00	6,953.66	237.78	242.60	-11.15	-6,810.71	-15,202.72	6,122.56	5,970.27	152.29	40.203		
16,900.00	7,321.00	15,770.00	6,953.66	240.06	242.60	-11.15	-6,810.71	-15,202.72	6,022.73	5,870.42	152.30	39.544		
17,000.00	7,321.00	15,770.00	6,953.66	242.35	242.60	-11.15	-6,810.71	-15,202.72	5,922.90	5,770.58	152.32	38.885		
17,100.00	7,321.00	15,770.00	6,953.66	244.66	242.60	-11.15	-6,810.71	-15,202.72	5,823.08	5,670.75	152.33	38.226		
17,200.00	7,321.00	15,770.00	6,953.66	246.97	242.60	-11.15	-6,810.71	-15,202.72	5,723.26	5,570.92	152.34	37.568		
17,300.00	7,321.00	15,770.00	6,953.66	249.29	242.60	-11.15	-6,810.71	-15,202.72	5,623.45	5,471.10	152.36	36.909		
17,400.00	7,321.00	15,770.00	6,953.66	251.63	242.60	-11.15	-6,810.71	-15,202.72	5,523.65	5,371.28	152.37	36.251		
17,500.00	7,321.00	15,770.00	6,953.66	253.97	242.60	-11.15	-6,810.71	-15,202.72	5,423.86	5,271.47	152.39	35.592		
17,600.00	7,321.00	15,770.00	6,953.66	256.32	242.60	-11.15	-6,810.71	-15,202.72	5,324.07	5,171.67	152.40	34.934		
17,700.00	7,321.00	15,770.00	6,953.66	258.68	242.60	-11.15	-6,810.71	-15,202.72	5,224.29	5,071.87	152.42	34.276		
17,800.00	7,321.00	15,770.00	6,953.66	261.05	242.60	-11.15	-6,810.71	-15,202.72	5,124.52	4,972.09	152.44	33.618		
17,900.00	7,321.00	15,770.00	6,953.66	263.43	242.60	-11.15	-6,810.71	-15,202.72	5,024.76	4,872.31	152.45	32.960		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 5-T6N-R67W - VARRA 9 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.00 usft
Survey Program: 1663-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
18,000.00	7,321.00	15,770.00	6,953.66	265.81	242.60	-11.15	-6,810.71	-15,202.72	4,925.01	4,772.54	152.47	32.302	
18,100.00	7,321.00	15,770.00	6,953.66	268.21	242.60	-11.15	-6,810.71	-15,202.72	4,825.27	4,672.78	152.49	31.644	
18,200.00	7,321.00	15,770.00	6,953.66	270.61	242.60	-11.15	-6,810.71	-15,202.72	4,725.54	4,573.04	152.51	30.986	
18,300.00	7,321.00	15,770.00	6,953.66	273.02	242.60	-11.15	-6,810.71	-15,202.72	4,625.82	4,473.30	152.53	30.328	
18,400.00	7,321.00	15,770.00	6,953.66	275.43	242.60	-11.15	-6,810.71	-15,202.72	4,526.12	4,373.57	152.55	29.670	
18,500.00	7,321.00	15,770.00	6,953.66	277.86	242.60	-11.15	-6,810.71	-15,202.72	4,426.43	4,273.86	152.57	29.013	
18,600.00	7,321.00	15,770.00	6,953.66	280.28	242.60	-11.15	-6,810.71	-15,202.72	4,326.75	4,174.16	152.59	28.355	
18,700.00	7,321.00	15,770.00	6,953.66	282.72	242.60	-11.15	-6,810.71	-15,202.72	4,227.09	4,074.47	152.61	27.698	
18,800.00	7,321.00	15,770.00	6,953.66	285.16	242.60	-11.15	-6,810.71	-15,202.72	4,127.44	3,974.80	152.64	27.040	
18,900.00	7,321.00	15,770.00	6,953.66	287.61	242.60	-11.15	-6,810.71	-15,202.72	4,027.81	3,875.14	152.67	26.383	
19,000.00	7,321.00	15,770.00	6,953.66	290.06	242.60	-11.15	-6,810.71	-15,202.72	3,928.20	3,775.51	152.69	25.726	
19,100.00	7,321.00	15,770.00	6,953.66	292.52	242.60	-11.15	-6,810.71	-15,202.72	3,828.61	3,675.89	152.73	25.069	
19,200.00	7,321.00	15,770.00	6,953.66	294.99	242.60	-11.15	-6,810.71	-15,202.72	3,729.04	3,576.29	152.76	24.412	
19,300.00	7,321.00	15,770.00	6,953.66	297.46	242.60	-11.15	-6,810.71	-15,202.72	3,629.50	3,476.71	152.79	23.754	
19,400.00	7,321.00	15,770.00	6,953.66	299.94	242.60	-11.15	-6,810.71	-15,202.72	3,529.98	3,377.15	152.83	23.097	
19,500.00	7,321.00	15,770.00	6,953.66	302.42	242.60	-11.15	-6,810.71	-15,202.72	3,430.49	3,277.62	152.87	22.440	
19,600.00	7,321.00	15,770.00	6,953.66	304.90	242.60	-11.15	-6,810.71	-15,202.72	3,331.03	3,178.12	152.92	21.783	
19,700.00	7,321.00	15,770.00	6,953.66	307.40	242.60	-11.15	-6,810.71	-15,202.72	3,231.61	3,078.64	152.96	21.127	
19,800.00	7,321.00	15,770.00	6,953.66	309.89	242.60	-11.15	-6,810.71	-15,202.72	3,132.22	2,979.20	153.02	20.470	
19,900.00	7,321.00	15,770.00	6,953.66	312.39	242.60	-11.15	-6,810.71	-15,202.72	3,032.87	2,879.79	153.08	19.813	
20,000.00	7,321.00	15,770.00	6,953.66	314.90	242.60	-11.15	-6,810.71	-15,202.72	2,933.56	2,780.42	153.14	19.156	
20,100.00	7,321.00	15,770.00	6,953.66	317.41	242.60	-11.15	-6,810.71	-15,202.72	2,834.30	2,681.09	153.21	18.499	
20,200.00	7,321.00	15,770.00	6,953.66	319.92	242.60	-11.15	-6,810.71	-15,202.72	2,735.10	2,581.81	153.29	17.842	
20,300.00	7,321.00	15,770.00	6,953.66	322.44	242.60	-11.15	-6,810.71	-15,202.72	2,635.96	2,482.58	153.38	17.185	
20,400.00	7,321.00	15,770.00	6,953.66	324.96	242.60	-11.15	-6,810.71	-15,202.72	2,536.89	2,383.40	153.48	16.529	
20,500.00	7,321.00	15,770.00	6,953.66	327.49	242.60	-11.15	-6,810.71	-15,202.72	2,437.89	2,284.29	153.60	15.872	
20,600.00	7,321.00	15,770.00	6,953.66	330.02	242.60	-11.15	-6,810.71	-15,202.72	2,338.97	2,185.24	153.73	15.215	
20,700.00	7,321.00	15,770.00	6,953.66	332.55	242.60	-11.15	-6,810.71	-15,202.72	2,240.15	2,086.27	153.88	14.558	
20,800.00	7,321.00	15,770.00	6,953.66	335.09	242.60	-11.15	-6,810.71	-15,202.72	2,141.45	1,987.39	154.05	13.901	
20,900.00	7,321.00	15,770.00	6,953.66	337.63	242.60	-11.15	-6,810.71	-15,202.72	2,042.86	1,888.61	154.25	13.244	
21,000.00	7,321.00	15,770.00	6,953.66	340.17	242.60	-11.15	-6,810.71	-15,202.72	1,944.43	1,789.94	154.49	12.586	
21,100.00	7,321.00	15,770.00	6,953.66	342.72	242.60	-11.15	-6,810.71	-15,202.72	1,846.16	1,691.40	154.76	11.929	
21,200.00	7,321.00	15,770.00	6,953.66	345.27	242.60	-11.15	-6,810.71	-15,202.72	1,748.08	1,593.00	155.08	11.272	
21,300.00	7,321.00	15,770.00	6,953.66	347.82	242.60	-11.15	-6,810.71	-15,202.72	1,650.24	1,494.77	155.47	10.615	
21,400.00	7,321.00	15,770.00	6,953.66	350.38	242.60	-11.15	-6,810.71	-15,202.72	1,552.68	1,396.74	155.93	9.957	
21,500.00	7,321.00	15,770.00	6,953.66	352.94	242.60	-11.15	-6,810.71	-15,202.72	1,455.44	1,298.94	156.50	9.300	
21,600.00	7,321.00	15,770.00	6,953.66	355.50	242.60	-11.15	-6,810.71	-15,202.72	1,358.60	1,201.42	157.19	8.643	
21,700.00	7,321.00	15,770.00	6,953.66	358.07	242.60	-11.15	-6,810.71	-15,202.72	1,262.26	1,104.22	158.04	7.987	
21,746.26	7,321.00	15,770.00	6,953.66	359.25	242.60	-11.15	-6,810.71	-15,202.72	1,217.90	1,059.39	158.51	7.684	CC, ES, SF

Civitas Resources

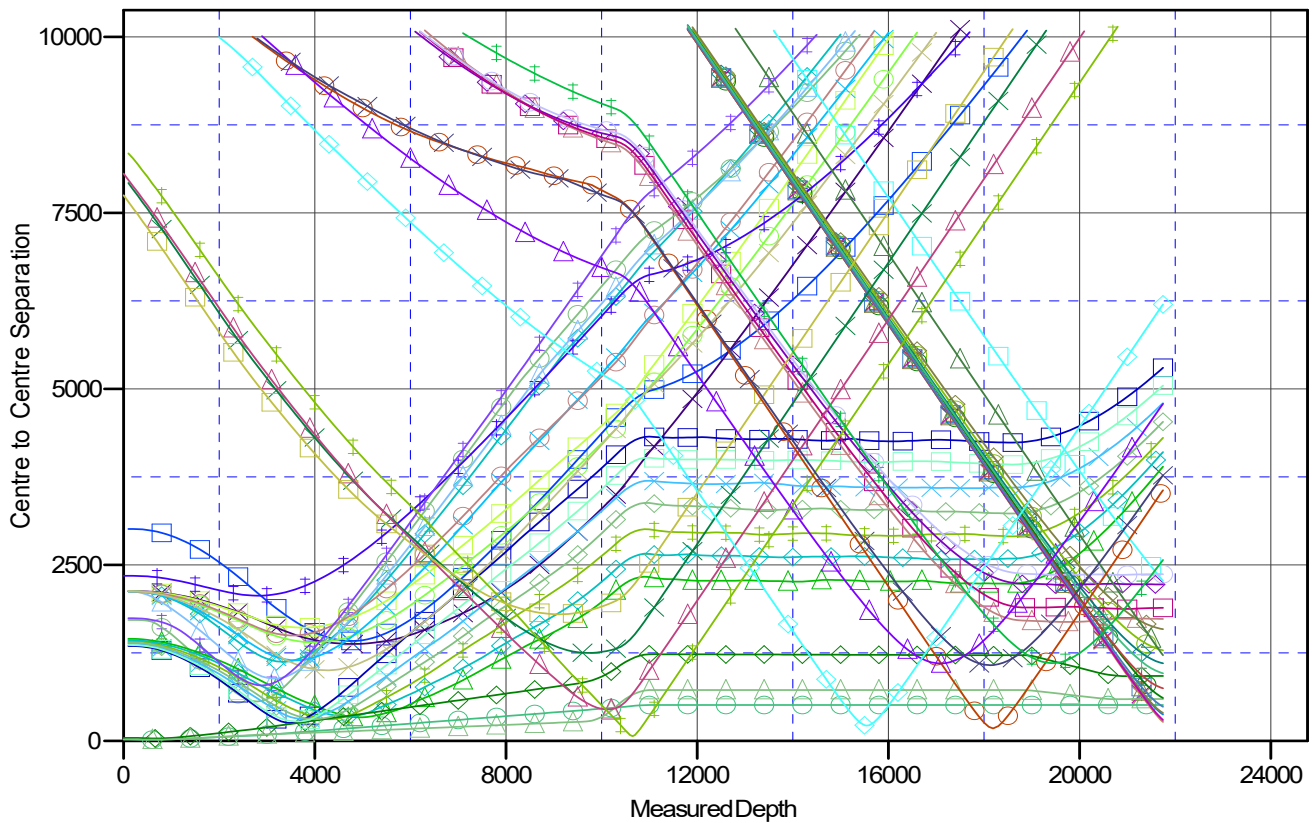
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	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 KBE 25' @ 4922.00usft
Offset Depths are relative to Offset Datum
Central Meridian is 105.500000°W

Coordinates are relative to: MAVERICK 2W-20-03
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.43°

Ladder Plot



LEGEND

ABND VERT LIND 36-33, Wellbore #1, Design #1 V0	ICE MAN 2W45-4N, ORIGINAL WELBORE, WB #1 - PATT 93 V0	VARRA 4, Wellbore #1, Wellbore #1 V0
EXIST HZ SCHNBDER 16-36, Wellbore #1, Wellbore #1 V0	EXIST HZ BALDRIDGE 2-1, Wellbore #1, Wellbore #1 V0	VARRA 11, Wellbore #1, Wellbore #1 V0
EXIST HZ SCHNBDER 33-36, Wellbore #1, Wellbore #1 V0	ABND VERT LIND 36-32, Wellbore #1, Design #1 V0	VARRA 9, STK1STK1V0
EXIST HZ BALDRIDGE 7-1, Wellbore #1, Wellbore #1 V0	ICE MAN 2W45-2N, ORIGINAL WELBORE, WB #1 - PATT 93 V0	VARRA 9, Wellbore #1, Wellbore #1 V0
EXIST HZ SCHNBDER 20-36, Wellbore #1, Wellbore #1 V0	MAVERICK 2W20-02, OWB, PROPOSAL 1 V0	VARRA 12, Wellbore #1, Wellbore #1 V0
EXIST HZ BALDRIDGE 17-1, Wellbore #1, Wellbore #1 V0	EXIST HZ SCHNBDER 34-36, Wellbore #1, Wellbore #1 V0	VARRA 7, Wellbore #1, Wellbore #1 V0
ICE MAN 2W45-7N, ORIGINAL WELBORE, WB #1 - PATT 93 V0	MICKEY 13, ORIGINAL WELBORE, WB #1 - Patterson 346 V0	VARRA 5, Wellbore #1, Wellbore #1 V0
ICE MAN 2W45-6C, ORIGINAL WELBORE, WB #1 - PATT 93 V0	VARRA 8, Wellbore #1, Wellbore #1 V0	SIMONSEN 1L421, Wellbore #1, Wellbore #1 V0
EXIST HZ BALDRIDGE 8-1, Wellbore #1, Wellbore #1 V0	VARRA 3, Wellbore #1, Wellbore #1 V0	SIMONSEN 1L241, Wellbore #1, Wellbore #1 V0
EXIST HZ SCHNBDER 37-36, Wellbore #1, Wellbore #1 V0	VARRA 3, STK1STK1V0	SIMONSEN 1421, Wellbore #1, Wellbore #1 V0
ICE MAN 2W45-1C, ORIGINAL WELBORE, WB #1 - PATT 93 V0	MICKEY 11, ORIGINAL WELBORE, WB #1 - Patterson 36 V0	SIMONSEN 1Q241, Wellbore #1, Wellbore #1 V0
EXIST HZ BALDRIDGE 1-1, Wellbore #1, Wellbore #1 V0	VARRA 10, Wellbore #1, Wellbore #1 V0	EXIST HZ BOWER 15-3, Wellbore #1, Wellbore #1 V0
ICE MAN 2W45-6N, ORIGINAL WELBORE, WB #1 - PATT 93 V0	MICKEY 12, ORIGINAL WELBORE, WB #1 - Patterson 346 V0	ABND VERT BOWER 1-3, Wellbore #1, Design #1 V0
MAVERICK 2W20-04, OWB, PROPOSAL 1 V0	VARRA 6, Wellbore #1, Wellbore #1 V0	ABND VERT MOSER 1-2, Wellbore #1, Design #1 V0
ICE MAN 2W45-3N, ORIGINAL WELBORE, WB #1 - PATT 93 V0	MICKEY 10, ORIGINAL WELBORE, WB #1 - Patterson 36 V0	EXIST HZ BOWER 10-3, Wellbore #1, Wellbore #1 V0
MAVERICK 2W20-01, OWB, PROPOSAL 1 V0	VARRA 2, Wellbore #1, Wellbore #1 V0	ABND VERT OCHSNER 1-3, Wellbore #1, Design #1 V0

Civitas Resources

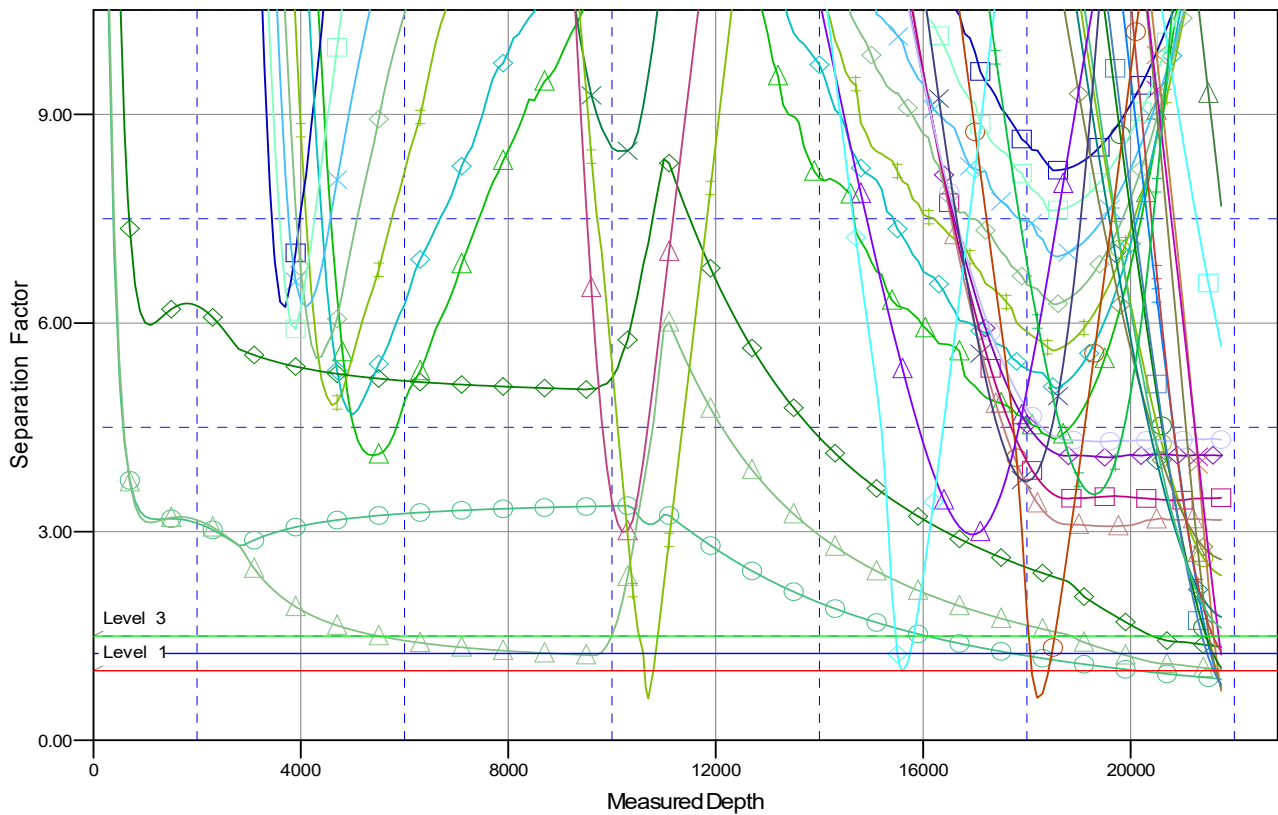
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-03	Survey Calculation Method:	Minimum Curvature
Well Error:	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 KBE 25' @ 4922.00usft
 Offset Depths are relative to Offset Datum
 Central Meridian is 105.500000°W

Coordinates are relative to: MAVERICK 2W-20-03
 Coordinate System is US State Plane 1983, Colorado Northern Zone
 Grid Convergence at Surface is: 0.43°

Separation Factor Plot



LEGEND

ABND VERT LIND 36-33, Wellbore #1, Design #1 V0	ICE MAN 2W45-4N, ORIGINAL WELLBORE, WB #1 - PATT 93 V0	VARRA 4, Wellbore #1, Wellbore #1 V0
EXIST HZ SCHNBDR 16-36, Wellbore #1, Wellbore #1 V0	EXIST HZ SCHNBDR 2-1, Wellbore #1, Wellbore #1 V0	VARRA 11, Wellbore #1, Wellbore #1 V0
EXIST HZ SCHNBDR 33-36, Wellbore #1, Wellbore #1 V0	ABND VERT LIND 36-32, Wellbore #1, Design #1 V0	VARRA 9, STK1STK1 V0
EXIST HZ BALDRIDGE 7-1, Wellbore #1, Wellbore #1 V0	ICE MAN 2W45-2N, ORIGINAL WELLBORE, WB #1 - PATT 93 V0	VARRA 9, Wellbore #1, Wellbore #1 V0
EXIST HZ SCHNBDR 20-36, Wellbore #1, Wellbore #1 V0	MAVERICK 2W20-02, OWB, PROPOSAL 1 V0	VARRA 12, Wellbore #1, Wellbore #1 V0
EXIST HZ BALDRIDGE 17-1, Wellbore #1, Wellbore #1 V0	EXIST HZ SCHNBDR 34-36, Wellbore #1, Wellbore #1 V0	VARRA 7, Wellbore #1, Wellbore #1 V0
ICE MAN 2W45-7N, ORIGINAL WELLBORE, WB #1 - PATT 93 V0	MICKEY 13, ORIGINAL WELLBORE, WB #1 - Patterson 36 V0	VARRA 5, Wellbore #1, Wellbore #1 V0
ICE MAN 2W45-6C, ORIGINAL WELLBORE, WB #1 - PATT 93 V0	VARRA 8, Wellbore #1, Wellbore #1 V0	SIMONSEN 1L421, Wellbore #1, Wellbore #1 V0
EXIST HZ BALDRIDGE 8-1, Wellbore #1, Wellbore #1 V0	VARRA 3, Wellbore #1, Wellbore #1 V0	SIMONSEN 1L241, Wellbore #1, Wellbore #1 V0
EXIST HZ SCHNBDR 37-36, Wellbore #1, Wellbore #1 V0	MICKEY 11, ORIGINAL WELLBORE, WB #1 - Patterson 36 V0	SIMONSEN 1L421, Wellbore #1, Wellbore #1 V0
ICE MAN 2W45-1C, ORIGINAL WELLBORE, WB #1 - PATT 93 V0	VARRA 10, Wellbore #1, Wellbore #1 V0	SIMONSEN 1Q241, Wellbore #1, Wellbore #1 V0
EXIST HZ BALDRIDGE 1-1, Wellbore #1, Wellbore #1 V0	MAVERICK 2W20-04, OWB, PROPOSAL 1 V0	EXIST HZ BOWER 15-3, Wellbore #1, Wellbore #1 V0
ICE MAN 2W45-3N, ORIGINAL WELLBORE, WB #1 - PATT 93 V0	VARRA 6, Wellbore #1, Wellbore #1 V0	ABND VERT BOWER 1-3, Wellbore #1, Design #1 V0
MAVERICK 2W20-01, OWB, PROPOSAL 1 V0	MICKEY 10, ORIGINAL WELLBORE, WB #1 - Patterson 36 V0	ABND VERT MOSER 1-2, Wellbore #1, Design #1 V0
	VARRA 2, Wellbore #1, Wellbore #1 V0	EXIST HZ BOWER 10-3, Wellbore #1, Wellbore #1 V0
		ABND VERT OCHSNER 1-3, Wellbore #1, Design #1 V0