

# **EXTRACTION OIL & GAS**

**Weld County**

**Sec 28-T1N-R68W**

**COYOTE TRAILS 33S-20-5C**

**ORIGINAL WELLBORE**

**PROPOSAL 1**

## **Anticollision Report**

**29 November, 2017**

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Reference</b>	PROPOSAL 1		
<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
<b>Interpolation Method:</b>	MD + Stations Interval 100.00usft	<b>Error Model:</b>	ISCWSA
<b>Depth Range:</b>	Unlimited	<b>Scan Method:</b>	Closest Approach 3D
<b>Results Limited by:</b>	Maximum center-center distance of 9,999.98 usft	<b>Error Surface:</b>	Pedal Curve
<b>Warning Levels Evaluated at:</b>	2.00 Sigma	<b>Casing Method:</b>	Not applied

<b>Survey Tool Program</b>	<b>Date</b>	11/29/2017		
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.00	18,184.63	PROPOSAL 1 (ORIGINAL WELLBORE)	MWD OWSG	OWSG MWD - Standard

<b>Summary</b>						
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 28-T1N-R68W						
COYOTE TRAILS 33S-20-1N - ORIGINAL WELLBORE -	1,200.00	1,200.00	143.96	135.80	17.652	CC, ES
COYOTE TRAILS 33S-20-1N - ORIGINAL WELLBORE -	18,177.16	17,878.25	1,189.33	797.75	3.037	SF
COYOTE TRAILS 33S-20-2C - ORIGINAL WELLBORE -	1,200.00	1,200.00	107.97	99.81	13.239	CC, ES
COYOTE TRAILS 33S-20-2C - ORIGINAL WELLBORE -	18,180.15	18,124.67	870.33	469.99	2.174	SF
COYOTE TRAILS 33S-20-3N - ORIGINAL WELLBORE -	1,200.00	1,200.00	71.98	63.82	8.826	CC, ES
COYOTE TRAILS 33S-20-3N - ORIGINAL WELLBORE -	18,185.16	17,883.94	636.04	266.29	1.720	SF
COYOTE TRAILS 33S-20-4N - ORIGINAL WELLBORE -	1,200.00	1,200.00	35.99	27.83	4.413	CC, ES
COYOTE TRAILS 33S-20-4N - ORIGINAL WELLBORE -	18,185.16	17,901.59	390.18	76.00	1.242	Level 2, SF
COYOTE TRAILS 33S-20-6N - ORIGINAL WELLBORE -	1,100.00	1,100.00	35.99	28.55	4.839	CC, ES
COYOTE TRAILS 33S-20-6N - ORIGINAL WELLBORE -	18,185.16	17,973.44	390.37	68.91	1.214	Level 2, SF
COYOTE TRAILS 33S-20-7N - ORIGINAL WELLBORE -	1,000.00	1,000.00	71.98	65.26	10.709	CC, ES
COYOTE TRAILS 33S-20-7N - ORIGINAL WELLBORE -	18,185.16	18,030.15	636.29	262.60	1.703	SF
COYOTE TRAILS 34S-20-10N - ORIGINAL WELLBORE	700.00	700.00	125.97	121.39	27.560	CC, ES
COYOTE TRAILS 34S-20-10N - ORIGINAL WELLBORE	18,185.16	18,319.18	1,658.21	1,260.51	4.170	SF
COYOTE TRAILS 34S-20-11C - ORIGINAL WELLBORE	600.00	600.00	143.96	140.11	37.358	CC, ES
COYOTE TRAILS 34S-20-11C - ORIGINAL WELLBORE	18,185.16	18,710.46	2,017.90	1,617.77	5.043	SF
COYOTE TRAILS 34S-20-12N - ORIGINAL WELLBORE	500.00	500.00	161.95	158.82	51.633	CC, ES
COYOTE TRAILS 34S-20-12N - ORIGINAL WELLBORE	18,185.16	18,667.02	2,412.04	2,012.49	6.037	SF
COYOTE TRAILS 34S-20-13N - ORIGINAL WELLBORE	400.00	400.00	179.95	177.53	74.369	CC, ES
COYOTE TRAILS 34S-20-13N - ORIGINAL WELLBORE	18,185.16	18,811.00	2,790.32	2,389.74	6.966	SF
COYOTE TRAILS 34S-20-14C - ORIGINAL WELLBORE	300.00	300.00	197.94	196.24	116.250	CC, ES
COYOTE TRAILS 34S-20-14C - ORIGINAL WELLBORE	18,185.16	19,182.49	3,123.12	2,722.13	7.788	SF
COYOTE TRAILS 34S-20-15N - ORIGINAL WELLBORE	200.00	200.00	215.94	214.95	219.051	CC, ES
COYOTE TRAILS 34S-20-15N - ORIGINAL WELLBORE	18,184.63	19,203.25	3,547.87	3,146.23	8.833	SF
COYOTE TRAILS 34S-20-16N - ORIGINAL WELLBORE	100.00	100.00	233.93	233.67	870.119	CC, ES
COYOTE TRAILS 34S-20-16N - ORIGINAL WELLBORE	18,185.16	19,355.55	3,921.93	3,519.75	9.752	SF
COYOTE TRAILS 34S-20-8C - ORIGINAL WELLBORE -	900.00	900.00	89.97	83.97	14.985	CC, ES
COYOTE TRAILS 34S-20-8C - ORIGINAL WELLBORE -	18,185.16	18,331.79	870.25	470.38	2.176	SF
COYOTE TRAILS 34S-20-9N - ORIGINAL WELLBORE -	800.00	800.00	107.97	102.68	20.420	CC, ES
COYOTE TRAILS 34S-20-9N - ORIGINAL WELLBORE -	18,114.09	24,226.84	1,189.34	692.62	2.394	SF
EXIST VERT CARR 1 - Wellbore #1 - Design #1	1,200.00	1,200.00	3,797.08	3,769.25	136.427	CC
EXIST VERT CARR 1 - Wellbore #1 - Design #1	1,300.00	1,300.02	3,798.82	3,768.63	125.836	ES
EXIST VERT CARR 1 - Wellbore #1 - Design #1	7,950.00	7,804.51	5,135.84	4,950.37	27.691	SF
EXIST VERT DUMP UU 28-10 - Wellbore #1 - Design #1	1,200.00	1,219.00	916.30	888.14	32.545	CC
EXIST VERT DUMP UU 28-10 - Wellbore #1 - Design #1	1,300.00	1,318.98	917.30	886.79	30.065	ES
EXIST VERT DUMP UU 28-10 - Wellbore #1 - Design #1	7,800.00	7,677.98	1,973.69	1,790.37	10.766	SF
EXIST VERT DUMP UU 28-12 - Wellbore #1 - Design #1	1,200.00	1,208.00	2,745.69	2,717.73	98.189	CC

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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 28-T1N-R68W						
EXIST VERT DUMP UU 28-12 - Wellbore #1 - Design #1	1,300.00	1,308.02	2,747.17	2,716.85	90.608	ES
EXIST VERT DUMP UU 28-12 - Wellbore #1 - Design #1	8,100.00	7,903.52	3,976.42	3,786.90	20.982	SF
EXIST VERT DUMP UU 28-16 - Wellbore #1 - Design #1	7,633.69	7,511.00	913.33	727.99	4.928	CC
EXIST VERT DUMP UU 28-16 - Wellbore #1 - Design #1	7,650.00	7,527.31	913.46	727.74	4.919	ES
EXIST VERT DUMP UU 28-16 - Wellbore #1 - Design #1	7,750.00	7,626.51	919.74	731.65	4.890	SF
EXIST VERT DUMP UU 28-2 - Wellbore #1 - Design #1	1,200.00	1,172.00	3,791.46	3,764.22	139.195	CC
EXIST VERT DUMP UU 28-2 - Wellbore #1 - Design #1	1,300.00	1,271.98	3,792.70	3,763.11	128.156	ES
EXIST VERT DUMP UU 28-2 - Wellbore #1 - Design #1	7,950.00	7,767.49	4,863.48	4,676.65	26.030	SF
EXIST VERT DUMP UU 28-5 - Wellbore #1 - Design #1	1,200.00	1,223.00	3,528.20	3,499.93	124.825	CC
EXIST VERT DUMP UU 28-5 - Wellbore #1 - Design #1	1,300.00	1,322.98	3,529.92	3,499.30	115.279	ES
EXIST VERT DUMP UU 28-5 - Wellbore #1 - Design #1	8,050.00	7,901.36	4,891.66	4,703.66	26.020	SF
EXIST VERT MEIKLE 2 - Wellbore #1 - Design #1	3,256.10	3,217.90	458.28	380.90	5.922	CC
EXIST VERT MEIKLE 2 - Wellbore #1 - Design #1	3,500.00	3,455.62	461.52	378.15	5.536	ES
EXIST VERT MEIKLE 2 - Wellbore #1 - Design #1	4,500.00	4,430.28	536.15	428.89	4.999	SF
EXIST VERT MEIKLE 28-1 - Wellbore #1 - Design #1	3,717.03	3,647.15	81.52	-6.83	0.923	Level 1, CC, ES, SF
Sec 33-T1N-R68W						
ABND VERT GRAEBER 33-33D - Wellbore #1 - Wellbor	11,388.42	7,178.00	1,364.31	1,302.55	22.092	CC, ES
ABND VERT GRAEBER 33-33D - Wellbore #1 - Wellbor	11,400.00	7,178.00	1,364.36	1,302.59	22.087	SF
EXIST VERT GRAEBER 42-33 - Wellbore #1 - Design #1	10,257.04	8,029.97	783.21	557.64	3.472	CC
EXIST VERT GRAEBER 42-33 - Wellbore #1 - Design #1	10,300.00	8,029.97	784.39	557.60	3.459	ES, SF
GRAEBER 31-33D - Wellbore #1 - Wellbore #1	8,700.00	8,356.16	549.73	466.29	6.588	SF
GRAEBER 31-33D - Wellbore #1 - Wellbore #1	8,741.32	8,356.19	548.17	465.78	6.653	CC, ES
GRAEBER 33-33DX - Wellbore #1 - Wellbore #1	11,498.11	8,321.78	392.59	271.89	3.253	CC
GRAEBER 33-33DX - Wellbore #1 - Wellbore #1	11,500.00	8,321.78	392.60	271.86	3.252	ES, SF

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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 34-T1N-R68W						
ABND VERT BICKLER A UNIT 2 - Wellbore #1 - Design	11,906.61	8,007.96	2,415.97	2,163.85	9.583	CC
ABND VERT BICKLER A UNIT 2 - Wellbore #1 - Design	12,000.00	8,007.96	2,417.77	2,163.68	9.516	ES
ABND VERT BICKLER A UNIT 2 - Wellbore #1 - Design	12,300.00	8,007.96	2,447.78	2,188.23	9.431	SF
ABND VERT K & R LIVESTOCK COMM 1 - Wellbore #1	11,411.49	5,503.00	6,389.39	6,209.06	35.431	CC
ABND VERT K & R LIVESTOCK COMM 1 - Wellbore #1	11,500.00	5,503.00	6,390.00	6,208.16	35.140	ES
ABND VERT K & R LIVESTOCK COMM 1 - Wellbore #1	13,900.00	5,503.00	6,856.87	6,639.34	31.522	SF
ABND VERT KATS B UNIT 1 - Wellbore #1 - Design #1	12,398.45	7,963.96	5,710.41	5,450.89	22.003	CC
ABND VERT KATS B UNIT 1 - Wellbore #1 - Design #1	12,500.00	7,963.96	5,711.32	5,449.87	21.845	ES
ABND VERT KATS B UNIT 1 - Wellbore #1 - Design #1	14,000.00	7,963.96	5,930.74	5,644.85	20.745	SF
ABND VERT NIVEN GAYLE B 1 - Wellbore #1 - Design	6,201.48	5,145.00	5,097.62	4,970.77	40.189	CC, ES
ABND VERT NIVEN GAYLE B 1 - Wellbore #1 - Design	11,600.00	5,145.00	6,270.32	6,103.84	37.664	SF
BICKLER 23-34 - Wellbore #1 - Wellbore #1	11,391.26	7,951.08	3,249.87	3,137.79	28.997	CC
BICKLER 23-34 - Wellbore #1 - Wellbore #1	11,500.00	7,951.79	3,251.69	3,137.53	28.484	ES
BICKLER 23-34 - Wellbore #1 - Wellbore #1	12,400.00	7,957.64	3,402.81	3,274.88	26.600	SF
BICKLER 24-34 - Wellbore #1 - Wellbore #1	12,896.95	8,246.30	3,272.53	3,120.38	21.509	CC
BICKLER 24-34 - Wellbore #1 - Wellbore #1	13,000.00	8,246.70	3,274.15	3,120.14	21.258	ES
BICKLER 24-34 - Wellbore #1 - Wellbore #1	13,600.00	8,249.13	3,347.20	3,184.79	20.610	SF
BICKLER 4-4-34 - Wellbore #1 - Wellbore #1	10,801.04	7,934.72	4,028.42	3,929.20	40.599	CC
BICKLER 4-4-34 - Wellbore #1 - Wellbore #1	10,900.00	7,935.02	4,029.64	3,928.54	39.859	ES
BICKLER 4-4-34 - Wellbore #1 - Wellbore #1	12,400.00	7,939.28	4,334.14	4,210.22	34.977	SF
BICKLER 4-6-34 - Wellbore #1 - Wellbore #1	12,076.04	8,009.11	4,008.20	3,879.77	31.211	CC
BICKLER 4-6-34 - Wellbore #1 - Wellbore #1	12,200.00	8,009.20	4,010.11	3,879.24	30.642	ES
BICKLER 4-6-34 - Wellbore #1 - Wellbore #1	13,400.00	8,010.01	4,221.19	4,072.01	28.296	SF
EXIST VERT BICKLER 1 - Wellbore #1 - Design #1	10,210.06	8,070.97	2,281.02	2,055.34	10.107	CC
EXIST VERT BICKLER 1 - Wellbore #1 - Design #1	10,300.00	8,070.97	2,282.79	2,055.29	10.034	ES
EXIST VERT BICKLER 1 - Wellbore #1 - Design #1	10,600.00	8,070.97	2,314.11	2,081.10	9.931	SF
LARKRIDGE MA 03-10D - Wellbore #1 - Wellbore #1	16,362.33	8,246.26	5,116.47	4,918.10	25.793	CC
LARKRIDGE MA 03-10D - Wellbore #1 - Wellbore #1	16,500.00	8,246.33	5,118.32	4,917.31	25.463	ES
LARKRIDGE MA 03-10D - Wellbore #1 - Wellbore #1	17,800.00	8,247.01	5,314.61	5,094.04	24.095	SF
Sec 3-T1S-R68W						
EXIST VERT WEBBER H UNIT 1 - Wellbore #1 - Design	17,720.89	8,032.99	3,453.43	3,100.35	9.781	CC
EXIST VERT WEBBER H UNIT 1 - Wellbore #1 - Design	17,800.00	8,032.99	3,454.33	3,099.63	9.739	ES
EXIST VERT WEBBER H UNIT 1 - Wellbore #1 - Design	18,185.16	8,033.00	3,484.49	3,123.28	9.647	SF
Sec 4-T1N-R68W						
ABND VERT ASHER 1 - Wellbore #1 - Design #1	14,337.44	5,625.00	2,919.81	2,775.61	20.249	CC, ES
ABND VERT ASHER 1 - Wellbore #1 - Design #1	14,900.00	5,625.00	2,973.51	2,824.72	19.985	SF
ABND VERT HULSTROM G UNIT 1 - Wellbore #1 - Des	15,153.12	8,014.96	1,358.66	1,050.75	4.413	CC
ABND VERT HULSTROM G UNIT 1 - Wellbore #1 - Des	15,200.00	8,014.96	1,359.46	1,050.39	4.399	ES
ABND VERT HULSTROM G UNIT 1 - Wellbore #1 - Des	15,300.00	8,014.96	1,366.57	1,055.58	4.394	SF
EXIST VERT NORDSTROM 2-4 - Wellbore #1 - Design #	17,654.81	8,076.99	2,682.41	2,329.61	7.603	CC
EXIST VERT NORDSTROM 2-4 - Wellbore #1 - Design #	17,700.00	8,076.99	2,682.79	2,329.44	7.592	ES
EXIST VERT NORDSTROM 2-4 - Wellbore #1 - Design #	17,800.00	8,076.99	2,686.34	2,331.95	7.580	SF
EXIST VERT NORDSTROM 5-4 - Wellbore #1 - Design #	16,666.77	8,040.98	166.14	-168.64	0.496	Level 1, CC, ES, SF

Offset Design													Sec 28-T1N-R68W - COYOTE TRAILS 33S-20-1N - ORIGINAL WELLBORE - 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				

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-89.68	0.79	-143.96	143.96					
100.00	100.00	100.00	100.00	0.13	0.13	-89.68	0.79	-143.96	143.96	143.69	0.27	535.450		
200.00	200.00	200.00	200.00	0.49	0.49	-89.68	0.79	-143.96	143.96	142.97	0.99	146.032		
300.00	300.00	300.00	300.00	0.85	0.85	-89.68	0.79	-143.96	143.96	142.26	1.70	84.545		
400.00	400.00	400.00	400.00	1.21	1.21	-89.68	0.79	-143.96	143.96	141.54	2.42	59.494		
500.00	500.00	500.00	500.00	1.57	1.57	-89.68	0.79	-143.96	143.96	140.82	3.14	45.896		
600.00	600.00	600.00	600.00	1.93	1.93	-89.68	0.79	-143.96	143.96	140.10	3.85	37.357		
700.00	700.00	700.00	700.00	2.29	2.29	-89.68	0.79	-143.96	143.96	139.39	4.57	31.497		
800.00	800.00	800.00	800.00	2.64	2.64	-89.68	0.79	-143.96	143.96	138.67	5.29	27.226		
900.00	900.00	900.00	900.00	3.00	3.00	-89.68	0.79	-143.96	143.96	137.95	6.00	23.975		
1,000.00	1,000.00	1,000.00	1,000.00	3.36	3.36	-89.68	0.79	-143.96	143.96	137.24	6.72	21.418		
1,100.00	1,100.00	1,100.00	1,100.00	3.72	3.72	-89.68	0.79	-143.96	143.96	136.52	7.44	19.354		
1,200.00	1,200.00	1,200.00	1,200.00	4.08	4.08	-89.68	0.79	-143.96	143.96	135.80	8.16	17.652 CC, ES		
1,300.00	1,299.98	1,300.02	1,299.98	4.42	4.44	129.68	0.79	-143.96	145.07	136.21	8.86	16.380		
1,400.00	1,399.84	1,400.16	1,399.84	4.75	4.80	131.19	0.79	-143.96	148.46	138.92	9.55	15.553		
1,500.00	1,499.45	1,500.55	1,499.45	5.09	5.15	133.53	0.79	-143.96	154.35	144.11	10.24	15.071		
1,600.00	1,598.70	1,598.70	1,598.70	5.44	5.51	136.51	0.79	-143.96	163.01	152.07	10.94	14.906		
1,700.00	1,697.47	1,697.35	1,697.33	5.81	5.84	139.32	-0.82	-144.31	174.77	163.14	11.62	15.039		
1,800.00	1,795.62	1,795.98	1,795.83	6.19	6.17	141.35	-5.76	-145.37	189.58	177.29	12.30	15.415		
1,846.33	1,840.86	1,841.64	1,841.35	6.38	6.32	142.05	-9.16	-146.11	197.42	184.80	12.62	15.645		
1,900.00	1,893.17	1,894.55	1,894.03	6.60	6.49	142.71	-13.99	-147.16	206.85	193.86	12.99	15.923		
2,000.00	1,990.64	1,993.34	1,992.10	7.02	6.82	143.12	-25.56	-149.66	224.33	210.64	13.70	16.378		
2,100.00	2,088.10	2,092.16	2,089.74	7.46	7.17	142.65	-40.42	-152.88	241.67	227.24	14.43	16.752		
2,200.00	2,185.57	2,190.79	2,186.61	7.91	7.53	141.48	-58.54	-156.79	258.93	243.75	15.18	17.055		
2,300.00	2,283.03	2,289.07	2,282.83	8.37	7.90	140.14	-78.08	-161.02	276.28	260.32	15.96	17.307		
2,400.00	2,380.50	2,387.36	2,379.07	8.84	8.29	138.95	-97.62	-165.25	293.76	277.00	16.77	17.522		
2,500.00	2,477.97	2,485.64	2,475.30	9.32	8.69	137.89	-117.17	-169.48	311.36	293.77	17.58	17.707		
2,600.00	2,575.43	2,583.93	2,571.53	9.80	9.09	136.95	-136.72	-173.71	329.04	310.62	18.42	17.865		
2,700.00	2,672.90	2,682.22	2,667.76	10.28	9.51	136.11	-156.26	-177.94	346.80	327.53	19.27	18.000		
2,800.00	2,770.36	2,780.51	2,763.99	10.77	9.93	135.34	-175.81	-182.17	364.63	344.50	20.13	18.117		
2,900.00	2,867.83	2,878.79	2,860.22	11.26	10.36	134.65	-195.35	-186.40	382.51	361.52	21.00	18.218		
3,000.00	2,965.29	2,977.08	2,956.45	11.76	10.80	134.02	-214.90	-190.63	400.44	378.57	21.87	18.306		
3,100.00	3,062.76	3,075.37	3,052.69	12.26	11.23	133.45	-234.45	-194.86	418.42	395.66	22.76	18.382		
3,200.00	3,160.23	3,173.66	3,148.92	12.76	11.68	132.92	-253.99	-199.09	436.44	412.78	23.66	18.449		
3,300.00	3,257.69	3,271.94	3,245.15	13.27	12.12	132.43	-273.54	-203.32	454.48	429.93	24.56	18.507		
3,400.00	3,355.16	3,370.23	3,341.38	13.77	12.58	131.98	-293.09	-207.55	472.56	447.10	25.46	18.559		
3,500.00	3,452.62	3,468.52	3,437.61	14.28	13.03	131.56	-312.63	-211.78	490.66	464.29	26.37	18.604		
3,600.00	3,550.09	3,566.81	3,533.84	14.79	13.49	131.18	-332.18	-216.01	508.79	481.50	27.29	18.644		
3,700.00	3,647.55	3,665.09	3,630.07	15.30	13.94	130.82	-351.72	-220.24	526.93	498.72	28.21	18.679		
3,800.00	3,745.02	3,763.38	3,726.31	15.81	14.41	130.48	-371.27	-224.47	545.10	515.97	29.13	18.711		
3,900.00	3,842.49	3,861.67	3,822.54	16.32	14.87	130.17	-390.82	-228.70	563.28	533.22	30.06	18.738		
4,000.00	3,939.95	3,959.96	3,918.77	16.84	15.33	129.87	-410.36	-232.93	581.48	550.49	30.99	18.763		
4,100.00	4,037.42	4,058.24	4,015.00	17.35	15.80	129.59	-429.91	-237.16	599.69	567.77	31.92	18.786		
4,200.00	4,134.88	4,156.53	4,111.23	17.87	16.27	129.33	-449.46	-241.39	617.92	585.06	32.86	18.806		
4,300.00	4,232.35	4,254.82	4,207.46	18.39	16.74	129.09	-469.00	-245.62	636.15	602.36	33.80	18.823		
4,400.00	4,329.81	4,353.11	4,303.69	18.90	17.21	128.85	-488.55	-249.85	654.40	619.67	34.74	18.840		
4,500.00	4,427.28	4,451.39	4,399.92	19.42	17.68	128.64	-508.09	-254.08	672.66	636.98	35.68	18.854		
4,600.00	4,524.75	4,549.68	4,496.16	19.94	18.15	128.43	-527.64	-258.31	690.92	654.30	36.62	18.867		
4,700.00	4,622.21	4,647.97	4,592.39	20.46	18.63	128.23	-547.19	-262.54	709.20	671.63	37.57	18.879		
4,800.00	4,719.68	4,746.26	4,688.62	20.98	19.10	128.04	-566.73	-266.77	727.48	688.97	38.51	18.889		
4,900.00	4,817.14	4,844.54	4,784.85	21.50	19.58	127.86	-586.28	-271.00	745.77	706.31	39.46	18.899		
5,000.00	4,914.61	4,942.83	4,881.08	22.02	20.06	127.70	-605.82	-275.23	764.07	723.66	40.41	18.908		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	5,012.07	5,041.12	4,977.31	22.54	20.54	127.53	-625.37	-279.46	782.37	741.01	41.36	18.916		
5,200.00	5,109.54	5,139.40	5,073.54	23.06	21.01	127.38	-644.92	-283.69	800.68	758.36	42.31	18.923		
5,300.00	5,207.01	5,237.69	5,169.78	23.59	21.49	127.23	-664.46	-287.92	818.99	775.72	43.27	18.929		
5,400.00	5,304.47	5,335.98	5,266.01	24.11	21.97	127.09	-684.01	-292.15	837.31	793.09	44.22	18.935		
5,500.00	5,401.94	5,434.27	5,362.24	24.63	22.45	126.96	-703.56	-296.38	855.63	810.46	45.17	18.940		
5,600.00	5,499.40	5,532.55	5,458.47	25.16	22.93	126.83	-723.10	-300.61	873.96	827.83	46.13	18.945		
5,700.00	5,596.87	5,630.84	5,554.70	25.68	23.41	126.70	-742.65	-304.84	892.29	845.20	47.09	18.950		
5,800.00	5,694.33	5,729.13	5,650.93	26.20	23.90	126.58	-762.19	-309.07	910.63	862.58	48.04	18.954		
5,900.00	5,791.80	5,827.42	5,747.16	26.73	24.38	126.47	-781.74	-313.30	928.97	879.96	49.00	18.957		
6,000.00	5,889.27	5,925.70	5,843.40	27.25	24.86	126.36	-801.29	-317.53	947.31	897.35	49.96	18.961		
6,100.00	5,986.73	6,023.99	5,939.63	27.78	25.34	126.25	-820.83	-321.76	965.65	914.73	50.92	18.964		
6,200.00	6,084.20	6,122.28	6,035.86	28.30	25.83	126.15	-840.38	-325.99	984.00	932.12	51.88	18.966		
6,300.00	6,181.66	6,220.57	6,132.09	28.82	26.31	126.05	-859.92	-330.22	1,002.35	949.51	52.84	18.969		
6,400.00	6,279.13	6,318.85	6,228.32	29.35	26.80	125.96	-879.47	-334.45	1,020.71	966.90	53.80	18.971		
6,500.00	6,376.59	6,417.14	6,324.55	29.88	27.28	125.87	-899.02	-338.68	1,039.07	984.30	54.77	18.973		
6,600.00	6,474.06	6,515.43	6,420.78	30.40	27.76	125.78	-918.56	-342.91	1,057.42	1,001.70	55.73	18.975		
6,700.00	6,571.53	6,613.72	6,517.02	30.93	28.25	125.70	-938.11	-347.14	1,075.79	1,019.10	56.69	18.976		
6,800.00	6,668.99	6,718.70	6,619.97	31.45	28.76	125.65	-958.16	-351.48	1,093.96	1,036.26	57.70	18.959		
6,887.36	6,754.14	6,813.81	6,713.81	31.91	29.19	125.77	-973.32	-354.76	1,109.12	1,050.54	58.57	18.935		
6,900.00	6,766.46	6,827.59	6,727.44	31.98	29.25	125.84	-975.27	-355.18	1,111.24	1,052.54	58.70	18.932		
7,000.00	6,864.39	6,936.81	6,835.83	32.48	29.70	126.34	-988.40	-358.02	1,126.35	1,066.73	59.62	18.891		
7,100.00	6,962.96	7,046.39	6,945.00	32.94	30.11	126.83	-997.51	-359.99	1,138.52	1,078.05	60.47	18.827		
7,200.00	7,062.06	7,156.14	7,054.62	33.36	30.49	127.31	-1,002.53	-361.08	1,147.73	1,086.48	61.25	18.740		
7,300.00	7,161.57	7,263.10	7,161.57	33.74	30.80	127.78	-1,003.61	-361.31	1,154.00	1,092.08	61.92	18.636		
7,400.00	7,261.36	7,362.49	7,260.95	34.08	31.09	128.06	-1,004.24	-361.31	1,157.95	1,095.42	62.53	18.518		
7,500.00	7,361.31	7,459.62	7,357.13	34.39	31.49	127.57	-1,016.99	-361.23	1,159.90	1,096.61	63.29	18.327		
7,533.69	7,395.00	7,491.07	7,387.64	34.48	31.65	-91.64	-1,024.59	-361.19	1,160.19	1,096.61	63.57	18.249		
7,600.00	7,461.31	7,550.07	7,443.56	34.65	32.00	-92.57	-1,043.30	-361.08	1,160.88	1,096.73	64.15	18.097		
7,633.69	7,495.00	7,578.39	7,469.66	34.73	32.19	-93.11	-1,054.31	-361.01	1,161.50	1,097.05	64.45	18.021		
7,650.00	7,511.31	7,591.76	7,481.78	34.78	32.28	86.92	-1,059.95	-360.98	1,161.87	1,097.28	64.60	17.986		
7,700.00	7,561.16	7,632.10	7,517.50	34.94	32.57	86.00	-1,078.65	-360.87	1,163.22	1,098.14	65.08	17.874		
7,750.00	7,610.51	7,671.55	7,551.09	35.14	32.87	85.09	-1,099.34	-360.75	1,164.82	1,099.23	65.59	17.759		
7,800.00	7,658.98	7,710.23	7,582.56	35.37	33.19	84.22	-1,121.81	-360.61	1,166.65	1,100.52	66.13	17.642		
7,850.00	7,706.21	7,748.23	7,611.94	35.64	33.52	83.38	-1,145.91	-360.47	1,168.64	1,101.95	66.69	17.524		
7,900.00	7,751.82	7,785.64	7,639.23	35.93	33.87	82.58	-1,171.48	-360.32	1,170.74	1,103.47	67.28	17.402		
7,950.00	7,795.49	7,822.52	7,664.45	36.26	34.22	81.82	-1,198.39	-360.16	1,172.91	1,105.03	67.88	17.278		
8,000.00	7,836.86	7,858.94	7,687.60	36.62	34.59	81.11	-1,226.49	-360.00	1,175.09	1,106.58	68.51	17.152		
8,050.00	7,875.64	7,894.97	7,708.70	37.00	34.96	80.45	-1,255.69	-359.82	1,177.24	1,108.08	69.16	17.022		
8,100.00	7,911.52	7,930.65	7,727.75	37.42	35.35	79.84	-1,285.85	-359.65	1,179.31	1,109.48	69.83	16.887		
8,150.00	7,944.22	7,966.03	7,744.75	37.86	35.74	79.29	-1,316.87	-359.46	1,181.26	1,110.73	70.53	16.749		
8,200.00	7,973.51	8,000.00	7,759.25	38.32	36.13	78.82	-1,347.59	-359.28	1,183.05	1,111.83	71.22	16.611		
8,250.00	7,999.16	8,036.06	7,772.61	38.81	36.55	78.39	-1,381.08	-359.08	1,184.65	1,112.66	71.99	16.457		
8,300.00	8,020.98	8,070.80	7,783.46	39.31	36.96	78.03	-1,414.06	-358.89	1,186.03	1,113.27	72.75	16.302		
8,350.00	8,038.79	8,105.39	7,792.27	39.84	37.38	77.75	-1,447.51	-358.69	1,187.15	1,113.61	73.54	16.142		
8,400.00	8,052.46	8,139.87	7,799.02	40.38	37.80	77.53	-1,481.32	-358.49	1,188.01	1,113.65	74.36	15.976		
8,450.00	8,061.89	8,174.28	7,803.72	40.93	38.22	77.39	-1,515.40	-358.29	1,188.59	1,113.38	75.21	15.804		
8,500.00	8,067.01	8,208.65	7,806.37	41.49	38.65	77.32	-1,549.66	-358.09	1,188.87	1,112.79	76.08	15.628		
8,533.77	8,068.00	8,241.08	7,807.00	41.88	39.05	77.32	-1,571.14	-357.96	1,188.88	1,112.11	76.78	15.485		
8,600.00	8,068.00	8,303.63	7,807.00	42.64	39.84	77.32	-1,637.37	-357.57	1,188.89	1,110.57	78.32	15.181		
8,700.00	8,068.00	8,403.63	7,807.00	43.82	41.13	77.32	-1,737.36	-356.98	1,188.89	1,108.11	80.78	14.718		
8,800.00	8,068.00	8,503.63	7,806.99	45.04	42.45	77.32	-1,837.36	-356.39	1,188.89	1,105.58	83.31	14.271		
8,900.00	8,067.99	8,603.63	7,806.99	46.30	43.81	77.32	-1,937.36	-355.80	1,188.90	1,102.99	85.91	13.839		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance		Warning						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,000.00	8,067.99	8,703.63	7,806.99	47.59	45.19	77.32	-2,037.36	-355.21	1,188.90	1,100.33	88.57	13.424		
9,100.00	8,067.99	8,803.63	7,806.99	48.91	46.60	77.32	-2,137.36	-354.62	1,188.90	1,097.62	91.28	13.025		
9,200.00	8,067.99	8,903.63	7,806.98	50.26	48.04	77.32	-2,237.35	-354.03	1,188.91	1,094.86	94.05	12.642		
9,300.00	8,067.99	9,003.63	7,806.98	51.63	49.49	77.32	-2,337.35	-353.44	1,188.91	1,092.06	96.86	12.275		
9,400.00	8,067.99	9,103.63	7,806.98	53.03	50.97	77.32	-2,437.35	-352.85	1,188.91	1,089.21	99.71	11.924		
9,500.00	8,067.98	9,203.63	7,806.98	54.44	52.47	77.32	-2,537.35	-352.26	1,188.92	1,086.32	102.60	11.588		
9,600.00	8,067.98	9,303.63	7,806.98	55.88	53.98	77.32	-2,637.35	-351.67	1,188.92	1,083.40	105.52	11.267		
9,700.00	8,067.98	9,403.63	7,806.97	57.34	55.51	77.32	-2,737.35	-351.08	1,188.93	1,080.44	108.48	10.960		
9,800.00	8,067.98	9,503.63	7,806.97	58.81	57.05	77.32	-2,837.34	-350.50	1,188.93	1,077.46	111.47	10.666		
9,900.00	8,067.98	9,603.63	7,806.97	60.31	58.60	77.32	-2,937.34	-349.91	1,188.94	1,074.45	114.49	10.385		
10,000.00	8,067.98	9,703.63	7,806.97	61.81	60.17	77.32	-3,037.34	-349.32	1,188.94	1,071.41	117.53	10.116		
10,100.00	8,067.98	9,803.63	7,806.96	63.33	61.75	77.32	-3,137.34	-348.73	1,188.95	1,068.35	120.59	9.859		
10,200.00	8,067.97	9,903.63	7,806.96	64.86	63.34	77.32	-3,237.34	-348.14	1,188.95	1,065.27	123.68	9.613		
10,300.00	8,067.97	10,003.63	7,806.96	66.41	64.93	77.32	-3,337.34	-347.55	1,188.95	1,062.17	126.79	9.378		
10,400.00	8,067.97	10,103.63	7,806.96	67.96	66.54	77.32	-3,437.33	-346.96	1,188.96	1,059.05	129.91	9.152		
10,500.00	8,067.97	10,203.63	7,806.95	69.53	68.16	77.32	-3,537.33	-346.37	1,188.96	1,055.91	133.06	8.936		
10,600.00	8,067.97	10,303.63	7,806.95	71.10	69.78	77.32	-3,637.33	-345.78	1,188.97	1,052.75	136.22	8.729		
10,700.00	8,067.97	10,403.63	7,806.95	72.69	71.41	77.32	-3,737.33	-345.19	1,188.97	1,049.59	139.39	8.530		
10,800.00	8,067.97	10,503.63	7,806.95	74.28	73.05	77.32	-3,837.33	-344.60	1,188.98	1,046.40	142.58	8.339		
10,900.00	8,067.97	10,603.63	7,806.94	75.88	74.69	77.32	-3,937.33	-344.01	1,188.99	1,043.21	145.78	8.156		
11,000.00	8,067.97	10,703.63	7,806.94	77.49	76.34	77.32	-4,037.32	-343.42	1,188.99	1,040.00	148.99	7.980		
11,100.00	8,067.97	10,803.63	7,806.94	79.10	77.99	77.32	-4,137.32	-342.83	1,189.00	1,036.78	152.22	7.811		
11,200.00	8,067.96	10,903.63	7,806.94	80.73	79.65	77.32	-4,237.32	-342.24	1,189.00	1,033.55	155.46	7.648		
11,300.00	8,067.96	11,003.63	7,806.94	82.35	81.31	77.32	-4,337.32	-341.65	1,189.01	1,030.31	158.70	7.492		
11,400.00	8,067.96	11,103.63	7,806.93	83.99	82.98	77.32	-4,437.32	-341.06	1,189.01	1,027.05	161.96	7.341		
11,500.00	8,067.96	11,196.37	7,806.93	85.63	84.53	77.32	-4,537.31	-340.47	1,189.02	1,023.92	165.10	7.202		
11,600.00	8,067.96	11,303.63	7,806.93	87.27	86.33	77.32	-4,637.31	-339.88	1,189.03	1,020.53	168.50	7.057		
11,700.00	8,067.96	11,403.63	7,806.93	88.92	88.01	77.32	-4,737.31	-339.29	1,189.03	1,017.25	171.78	6.922		
11,800.00	8,067.96	11,503.63	7,806.92	90.58	89.70	77.32	-4,837.31	-338.70	1,189.04	1,013.97	175.07	6.792		
11,900.00	8,067.96	11,603.63	7,806.92	92.23	91.39	77.32	-4,937.31	-338.11	1,189.04	1,010.68	178.36	6.666		
12,000.00	8,067.96	11,703.63	7,806.92	93.90	93.08	77.32	-5,037.31	-337.52	1,189.05	1,007.38	181.67	6.545		
12,100.00	8,067.96	11,803.63	7,806.92	95.56	94.77	77.32	-5,137.30	-336.93	1,189.06	1,004.08	184.98	6.428		
12,200.00	8,067.96	11,903.63	7,806.91	97.23	96.47	77.32	-5,237.30	-336.34	1,189.06	1,000.77	188.29	6.315		
12,300.00	8,067.96	12,003.63	7,806.91	98.91	98.17	77.32	-5,337.30	-335.75	1,189.07	997.46	191.61	6.206		
12,400.00	8,067.96	12,103.63	7,806.91	100.59	99.87	77.32	-5,437.30	-335.16	1,189.08	994.14	194.94	6.100		
12,500.00	8,067.96	12,203.63	7,806.91	102.27	101.57	77.32	-5,537.30	-334.57	1,189.08	990.81	198.27	5.997		
12,600.00	8,067.96	12,303.63	7,806.90	103.95	103.28	77.32	-5,637.30	-333.98	1,189.09	987.48	201.61	5.898		
12,700.00	8,067.96	12,403.63	7,806.90	105.64	104.99	77.32	-5,737.29	-333.39	1,189.10	984.15	204.95	5.802		
12,800.00	8,067.96	12,503.63	7,806.90	107.33	106.70	77.32	-5,837.29	-332.80	1,189.10	980.81	208.29	5.709		
12,900.00	8,067.96	12,603.63	7,806.90	109.02	108.41	77.32	-5,937.29	-332.21	1,189.11	977.47	211.64	5.618		
13,000.00	8,067.96	12,703.63	7,806.90	110.71	110.13	77.32	-6,037.29	-331.62	1,189.12	974.12	215.00	5.531		
13,100.00	8,067.96	12,803.63	7,806.89	112.41	111.84	77.32	-6,137.29	-331.03	1,189.13	970.77	218.36	5.446		
13,200.00	8,067.96	12,903.63	7,806.89	114.11	113.56	77.32	-6,237.29	-330.44	1,189.13	967.42	221.72	5.363		
13,300.00	8,067.96	13,003.63	7,806.89	115.81	115.28	77.32	-6,337.28	-329.85	1,189.14	964.06	225.08	5.283		
13,400.00	8,067.96	13,103.63	7,806.89	117.52	117.00	77.32	-6,437.28	-329.26	1,189.15	960.70	228.45	5.205		
13,500.00	8,067.96	13,203.63	7,806.88	119.22	118.73	77.32	-6,537.28	-328.67	1,189.16	957.34	231.82	5.130		
13,600.00	8,067.96	13,303.63	7,806.88	120.93	120.45	77.32	-6,637.28	-328.08	1,189.17	953.97	235.20	5.056		
13,700.00	8,067.96	13,403.63	7,806.88	122.64	122.18	77.32	-6,737.28	-327.49	1,189.17	950.60	238.57	4.985		
13,800.00	8,067.96	13,503.63	7,806.88	124.35	123.91	77.32	-6,837.27	-326.90	1,189.18	947.23	241.95	4.915		
13,900.00	8,067.96	13,603.63	7,806.87	126.06	125.63	77.32	-6,937.27	-326.31	1,189.19	943.85	245.34	4.847		
14,000.00	8,067.96	13,703.63	7,806.87	127.78	127.36	77.32	-7,037.27	-325.72	1,189.20	940.48	248.72	4.781		
14,100.00	8,067.96	13,803.63	7,806.87	129.50	129.10	77.32	-7,137.27	-325.13	1,189.21	937.10	252.11	4.717		

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



# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	8,067.96	13,903.63	7,806.87	131.21	130.83	77.32	-7,237.27	-324.54	1,189.22	933.71	255.50	4.654		
14,300.00	8,067.96	14,003.63	7,806.86	132.93	132.56	77.32	-7,337.27	-323.95	1,189.22	930.33	258.89	4.593		
14,400.00	8,067.96	14,103.63	7,806.86	134.65	134.30	77.32	-7,437.26	-323.36	1,189.23	926.94	262.29	4.534		
14,500.00	8,067.96	14,203.63	7,806.86	136.38	136.03	77.32	-7,537.26	-322.77	1,189.24	923.56	265.69	4.476		
14,600.00	8,067.96	14,303.63	7,806.86	138.10	137.77	77.32	-7,637.26	-322.18	1,189.25	920.17	269.09	4.420		
14,700.00	8,067.96	14,403.63	7,806.86	139.82	139.50	77.32	-7,737.26	-321.59	1,189.26	916.77	272.49	4.364		
14,800.00	8,067.96	14,503.63	7,806.85	141.55	141.24	77.32	-7,837.26	-321.00	1,189.27	913.38	275.89	4.311		
14,900.00	8,067.96	14,603.63	7,806.85	143.28	142.98	77.32	-7,937.26	-320.41	1,189.28	909.98	279.29	4.258		
15,000.00	8,067.96	14,703.63	7,806.85	145.00	144.72	77.32	-8,037.25	-319.82	1,189.29	906.59	282.70	4.207		
15,100.00	8,067.96	14,803.63	7,806.85	146.73	146.46	77.32	-8,137.25	-319.23	1,189.30	903.19	286.11	4.157		
15,200.00	8,067.96	14,903.63	7,806.84	148.46	148.20	77.32	-8,237.25	-318.64	1,189.31	899.79	289.52	4.108		
15,300.00	8,067.96	15,003.63	7,806.84	150.19	149.95	77.32	-8,337.25	-318.05	1,189.32	896.39	292.93	4.060		
15,400.00	8,067.96	15,103.63	7,806.84	151.93	151.69	77.32	-8,437.25	-317.46	1,189.33	892.98	296.34	4.013		
15,500.00	8,067.96	15,203.63	7,806.84	153.66	153.43	77.32	-8,537.25	-316.87	1,189.34	889.58	299.76	3.968		
15,600.00	8,067.96	15,303.63	7,806.83	155.39	155.18	77.32	-8,637.24	-316.28	1,189.35	886.17	303.17	3.923		
15,700.00	8,067.97	15,403.63	7,806.83	157.13	156.92	77.32	-8,737.24	-315.69	1,189.36	882.76	306.59	3.879		
15,800.00	8,067.97	15,503.63	7,806.83	158.86	158.67	77.32	-8,837.24	-315.10	1,189.37	879.36	310.01	3.837		
15,900.00	8,067.97	15,603.63	7,806.83	160.60	160.41	77.32	-8,937.24	-314.51	1,189.38	875.95	313.43	3.795		
16,000.00	8,067.97	15,703.63	7,806.82	162.34	162.16	77.32	-9,037.24	-313.92	1,189.39	872.54	316.85	3.754		
16,100.00	8,067.97	15,803.63	7,806.82	164.08	163.91	77.32	-9,137.23	-313.33	1,189.40	869.12	320.27	3.714		
16,200.00	8,067.97	15,903.63	7,806.82	165.81	165.66	77.32	-9,237.23	-312.75	1,189.41	865.71	323.69	3.674		
16,300.00	8,067.97	16,003.63	7,806.82	167.55	167.40	77.32	-9,337.23	-312.16	1,189.42	862.30	327.12	3.636		
16,400.00	8,067.97	16,103.63	7,806.82	169.29	169.15	77.32	-9,437.23	-311.57	1,189.43	858.88	330.54	3.598		
16,500.00	8,067.97	16,203.63	7,806.81	171.04	170.90	77.32	-9,537.23	-310.98	1,189.44	855.47	333.97	3.561		
16,600.00	8,067.98	16,303.63	7,806.81	172.78	172.65	77.32	-9,637.23	-310.39	1,189.45	852.05	337.40	3.525		
16,700.00	8,067.98	16,403.63	7,806.81	174.52	174.40	77.32	-9,737.22	-309.80	1,189.46	848.63	340.83	3.490		
16,800.00	8,067.98	16,503.63	7,806.81	176.26	176.15	77.32	-9,837.22	-309.21	1,189.47	845.21	344.26	3.455		
16,900.00	8,067.98	16,603.63	7,806.80	178.01	177.90	77.32	-9,937.22	-308.62	1,189.48	841.79	347.69	3.421		
17,000.00	8,067.98	16,703.63	7,806.80	179.75	179.66	77.32	-10,037.22	-308.03	1,189.49	838.37	351.12	3.388		
17,100.00	8,067.98	16,803.63	7,806.80	181.49	181.41	77.32	-10,137.22	-307.44	1,189.50	834.95	354.55	3.355		
17,200.00	8,067.98	16,903.63	7,806.80	183.24	183.16	77.32	-10,237.22	-306.85	1,189.52	831.53	357.98	3.323		
17,300.00	8,067.99	17,003.63	7,806.79	184.99	184.91	77.32	-10,337.21	-306.26	1,189.53	828.11	361.42	3.291		
17,400.00	8,067.99	17,103.63	7,806.79	186.73	186.67	77.32	-10,437.21	-305.67	1,189.54	824.69	364.85	3.260		
17,500.00	8,067.99	17,203.63	7,806.79	188.48	188.42	77.32	-10,537.21	-305.08	1,189.55	821.26	368.29	3.230		
17,600.00	8,067.99	17,303.63	7,806.79	190.23	190.18	77.32	-10,637.21	-304.49	1,189.56	817.84	371.73	3.200		
17,700.00	8,067.99	17,403.63	7,806.78	191.97	191.93	77.32	-10,737.21	-303.90	1,189.57	814.41	375.16	3.171		
17,800.00	8,067.99	17,503.63	7,806.78	193.72	193.68	77.32	-10,837.21	-303.31	1,189.59	810.99	378.60	3.142		
17,900.00	8,068.00	17,603.63	7,806.78	195.47	195.44	77.32	-10,937.20	-302.72	1,189.60	807.56	382.04	3.114		
18,000.00	8,068.00	17,703.63	7,806.78	197.22	197.19	77.32	-11,037.20	-302.13	1,189.61	804.13	385.48	3.086		
18,100.00	8,068.00	17,796.37	7,806.78	198.97	198.82	77.32	-11,137.20	-301.54	1,189.62	800.83	388.79	3.060		
18,177.16	8,068.00	17,878.25	7,807.02	200.32	200.26	77.32	-11,219.08	-300.79	1,189.33	797.75	391.58	3.037 SF		
18,184.63	8,068.00	17,871.77	7,807.00	200.45	200.15	77.32	-11,212.60	-300.85	1,189.38	797.92	391.46	3.038		
18,185.16	8,068.00	17,871.77	7,807.00	200.47	200.15	77.32	-11,212.60	-300.85	1,189.39	797.93	391.46	3.038		



# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-89.68	0.60	-107.97	107.97					
100.00	100.00	100.00	100.00	0.13	0.13	-89.68	0.60	-107.97	107.97	107.70	0.27	401.593		
200.00	200.00	200.00	200.00	0.49	0.49	-89.68	0.60	-107.97	107.97	106.98	0.99	109.525		
300.00	300.00	300.00	300.00	0.85	0.85	-89.68	0.60	-107.97	107.97	106.27	1.70	63.409		
400.00	400.00	400.00	400.00	1.21	1.21	-89.68	0.60	-107.97	107.97	105.55	2.42	44.621		
500.00	500.00	500.00	500.00	1.57	1.57	-89.68	0.60	-107.97	107.97	104.83	3.14	34.422		
600.00	600.00	600.00	600.00	1.93	1.93	-89.68	0.60	-107.97	107.97	104.12	3.85	28.018		
700.00	700.00	700.00	700.00	2.29	2.29	-89.68	0.60	-107.97	107.97	103.40	4.57	23.623		
800.00	800.00	800.00	800.00	2.64	2.64	-89.68	0.60	-107.97	107.97	102.68	5.29	20.420		
900.00	900.00	900.00	900.00	3.00	3.00	-89.68	0.60	-107.97	107.97	101.97	6.00	17.982		
1,000.00	1,000.00	1,000.00	1,000.00	3.36	3.36	-89.68	0.60	-107.97	107.97	101.25	6.72	16.064		
1,100.00	1,100.00	1,100.00	1,100.00	3.72	3.72	-89.68	0.60	-107.97	107.97	100.53	7.44	14.515		
1,200.00	1,200.00	1,200.00	1,200.00	4.08	4.08	-89.68	0.60	-107.97	107.97	99.81	8.16	13.239 CC, ES		
1,300.00	1,299.98	1,300.02	1,299.98	4.42	4.44	129.86	0.60	-107.97	109.08	100.22	8.86	12.317		
1,400.00	1,399.84	1,400.16	1,399.84	4.75	4.80	131.86	0.60	-107.97	112.51	102.96	9.55	11.786		
1,500.00	1,499.45	1,499.45	1,499.45	5.09	5.15	134.91	0.60	-107.97	118.51	108.27	10.24	11.576		
1,600.00	1,598.70	1,599.60	1,599.58	5.44	5.49	137.93	-1.13	-107.90	127.08	116.16	10.92	11.637		
1,700.00	1,697.47	1,699.89	1,699.73	5.81	5.82	140.05	-6.37	-107.71	137.81	126.22	11.59	11.887		
1,800.00	1,795.62	1,800.27	1,799.72	6.19	6.15	141.36	-15.11	-107.39	150.53	138.25	12.28	12.256		
1,846.33	1,840.86	1,846.79	1,845.94	6.38	6.31	141.73	-20.35	-107.20	157.06	144.45	12.61	12.456		
1,900.00	1,893.17	1,900.72	1,899.41	6.60	6.49	141.98	-27.36	-106.95	164.71	151.73	12.99	12.681		
2,000.00	1,990.64	2,001.41	1,998.85	7.02	6.84	141.55	-43.14	-106.37	178.26	164.54	13.72	12.994		
2,100.00	2,088.10	2,100.96	2,096.74	7.46	7.21	140.43	-61.27	-105.71	191.17	176.69	14.48	13.207		
2,200.00	2,185.57	2,200.06	2,194.15	7.91	7.59	139.42	-79.45	-105.05	204.11	188.85	15.25	13.381		
2,300.00	2,283.03	2,300.84	2,291.57	8.37	7.98	138.53	-97.63	-104.38	217.10	201.05	16.06	13.521		
2,400.00	2,380.50	2,401.74	2,388.99	8.84	8.38	137.75	-115.81	-103.72	230.14	213.27	16.88	13.636		
2,500.00	2,477.97	2,502.64	2,486.40	9.32	8.80	137.05	-133.99	-103.05	243.22	225.51	17.71	13.732		
2,600.00	2,575.43	2,603.54	2,583.82	9.80	9.22	136.41	-152.17	-102.39	256.33	237.77	18.56	13.811		
2,700.00	2,672.90	2,704.44	2,681.23	10.28	9.64	135.84	-170.35	-101.73	269.47	250.05	19.42	13.877		
2,800.00	2,770.36	2,805.34	2,778.65	10.77	10.07	135.33	-188.53	-101.06	282.63	262.34	20.29	13.931		
2,900.00	2,867.83	2,906.24	2,876.06	11.26	10.50	134.86	-206.71	-100.40	295.81	274.65	21.16	13.977		
3,000.00	2,965.29	3,007.14	2,973.48	11.76	10.94	134.43	-224.89	-99.74	309.01	286.96	22.05	14.014		
3,100.00	3,062.76	3,108.04	3,070.89	12.26	11.39	134.03	-243.06	-99.07	322.23	299.29	22.94	14.045		
3,200.00	3,160.23	3,208.94	3,168.31	12.76	11.83	133.67	-261.24	-98.41	335.46	311.62	23.84	14.071		
3,300.00	3,257.69	3,309.84	3,265.72	13.27	12.28	133.33	-279.42	-97.75	348.70	323.96	24.74	14.093		
3,400.00	3,355.16	3,389.25	3,363.14	13.77	12.63	133.02	-297.60	-97.08	361.96	336.40	25.56	14.163		
3,500.00	3,452.62	3,488.35	3,460.55	14.28	13.08	132.73	-315.78	-96.42	375.22	348.76	26.46	14.180		
3,600.00	3,550.09	3,587.45	3,557.97	14.79	13.52	132.46	-333.96	-95.76	388.49	361.12	27.37	14.195		
3,700.00	3,647.55	3,686.55	3,655.38	15.30	13.97	132.21	-352.14	-95.09	401.77	373.49	28.28	14.207		
3,800.00	3,745.02	3,785.65	3,752.80	15.81	14.42	131.97	-370.32	-94.43	415.06	385.86	29.20	14.217		
3,900.00	3,842.49	3,884.75	3,850.22	16.32	14.87	131.75	-388.50	-93.76	428.35	398.24	30.11	14.225		
4,000.00	3,939.95	3,983.85	3,947.63	16.84	15.33	131.54	-406.68	-93.10	441.65	410.62	31.03	14.231		
4,100.00	4,037.42	4,082.95	4,045.05	17.35	15.78	131.35	-424.86	-92.44	454.95	423.00	31.96	14.237		
4,200.00	4,134.88	4,182.05	4,142.46	17.87	16.24	131.16	-443.04	-91.77	468.26	435.38	32.88	14.241		
4,300.00	4,232.35	4,281.15	4,239.88	18.39	16.69	130.99	-461.22	-91.11	481.58	447.77	33.81	14.244		
4,400.00	4,329.81	4,380.25	4,337.29	18.90	17.15	130.82	-479.40	-90.45	494.90	460.16	34.74	14.246		
4,500.00	4,427.28	4,479.35	4,434.71	19.42	17.61	130.67	-497.58	-89.78	508.22	472.55	35.67	14.248		
4,600.00	4,524.75	4,578.45	4,532.12	19.94	18.07	130.52	-515.76	-89.12	521.54	484.94	36.60	14.249		
4,700.00	4,622.21	4,677.55	4,629.54	20.46	18.53	130.38	-533.94	-88.46	534.87	497.34	37.54	14.249		
4,800.00	4,719.68	4,776.65	4,726.95	20.98	18.99	130.24	-552.11	-87.79	548.20	509.73	38.47	14.249		
4,900.00	4,817.14	4,875.75	4,824.37	21.50	19.45	130.12	-570.29	-87.13	561.54	522.13	39.41	14.249		
5,000.00	4,914.61	4,974.84	4,921.78	22.02	19.91	129.99	-588.47	-86.46	574.88	534.53	40.35	14.248		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	5,012.07	5,073.94	5,019.20	22.54	20.37	129.88	-606.65	-85.80	588.22	546.93	41.29	14.247		
5,200.00	5,109.54	5,173.04	5,116.61	23.06	20.84	129.77	-624.83	-85.14	601.56	559.33	42.23	14.246		
5,300.00	5,207.01	5,272.14	5,214.03	23.59	21.30	129.66	-643.01	-84.47	614.90	571.73	43.17	14.244		
5,400.00	5,304.47	5,371.24	5,311.45	24.11	21.76	129.56	-661.19	-83.81	628.25	584.14	44.11	14.243		
5,500.00	5,401.94	5,470.34	5,408.86	24.63	22.23	129.46	-679.37	-83.15	641.60	596.54	45.05	14.241		
5,600.00	5,499.40	5,569.44	5,506.28	25.16	22.69	129.37	-697.55	-82.48	654.95	608.95	46.00	14.239		
5,700.00	5,596.87	5,668.54	5,603.69	25.68	23.16	129.28	-715.73	-81.82	668.30	621.36	46.94	14.237		
5,800.00	5,694.33	5,767.64	5,701.11	26.20	23.62	129.19	-733.91	-81.16	681.65	633.76	47.89	14.234		
5,900.00	5,791.80	5,866.74	5,798.52	26.73	24.09	129.11	-752.09	-80.49	695.00	646.17	48.83	14.232		
6,000.00	5,889.27	5,965.84	5,895.94	27.25	24.56	129.03	-770.27	-79.83	708.36	658.58	49.78	14.230		
6,100.00	5,986.73	6,064.94	5,993.35	27.78	25.02	128.95	-788.45	-79.16	721.72	670.99	50.73	14.227		
6,200.00	6,084.20	6,164.04	6,090.77	28.30	25.49	128.88	-806.63	-78.50	735.08	683.40	51.68	14.225		
6,300.00	6,181.66	6,263.14	6,188.18	28.82	25.96	128.80	-824.81	-77.84	748.44	695.81	52.62	14.222		
6,400.00	6,279.13	6,362.24	6,285.60	29.35	26.42	128.73	-842.99	-77.17	761.80	708.22	53.57	14.220		
6,500.00	6,376.59	6,461.33	6,383.01	29.88	26.89	128.67	-861.16	-76.51	775.16	720.63	54.52	14.217		
6,600.00	6,474.06	6,560.43	6,480.43	30.40	27.36	128.60	-879.34	-75.85	788.52	733.05	55.47	14.214		
6,700.00	6,571.53	6,659.53	6,577.85	30.93	27.83	128.54	-897.52	-75.18	801.88	745.46	56.42	14.212		
6,800.00	6,668.99	6,758.63	6,675.26	31.45	28.30	128.48	-915.70	-74.52	815.25	757.87	57.37	14.209		
6,887.36	6,754.14	6,845.21	6,760.36	31.91	28.71	128.43	-931.58	-73.94	826.93	768.72	58.21	14.207		
6,900.00	6,766.46	6,857.73	6,772.68	31.98	28.77	128.45	-933.88	-73.86	828.60	770.27	58.33	14.206		
7,000.00	6,864.39	6,956.97	6,870.23	32.48	29.23	128.46	-952.09	-73.19	840.62	781.34	59.27	14.182		
7,100.00	6,962.96	7,055.36	6,967.25	32.94	29.68	128.39	-968.44	-72.59	850.56	790.38	60.17	14.136		
7,200.00	7,062.06	7,154.07	7,065.08	33.36	30.10	128.33	-981.48	-72.12	858.46	797.45	61.01	14.071		
7,300.00	7,161.57	7,253.00	7,163.53	33.74	30.49	128.28	-991.17	-71.76	864.32	802.54	61.78	13.989		
7,400.00	7,261.36	7,352.10	7,262.43	34.08	30.84	128.26	-997.46	-71.53	868.12	805.63	62.49	13.892		
7,500.00	7,361.31	7,451.29	7,361.57	34.39	31.16	128.24	-1,000.33	-71.43	869.85	806.73	63.13	13.779		
7,533.69	7,395.00	7,484.72	7,395.00	34.48	31.26	89.73	-1,000.53	-71.42	869.97	806.65	63.32	13.738		
7,600.00	7,461.31	7,551.03	7,461.31	34.65	31.44	89.74	-1,000.53	-71.42	869.97	806.29	63.68	13.661		
7,633.69	7,495.00	7,584.72	7,495.00	34.73	31.53	89.73	-1,000.53	-71.42	869.97	806.11	63.86	13.622		
7,636.11	7,497.41	7,587.14	7,497.41	34.74	31.54	89.73	-1,000.53	-71.42	869.97	806.09	63.88	13.619		
7,650.00	7,511.31	7,600.91	7,511.19	34.78	31.58	89.73	-1,000.76	-71.42	869.97	806.01	63.96	13.602		
7,700.00	7,561.16	7,650.56	7,560.70	34.94	31.77	89.73	-1,004.31	-71.40	869.97	805.65	64.32	13.526		
7,750.00	7,610.51	7,700.21	7,609.71	35.14	31.99	89.74	-1,012.13	-71.35	869.97	805.22	64.75	13.436		
7,800.00	7,658.98	7,749.87	7,657.87	35.37	32.25	89.74	-1,024.16	-71.28	869.97	804.71	65.26	13.331		
7,850.00	7,706.21	7,799.54	7,704.82	35.64	32.55	89.75	-1,040.32	-71.19	869.97	804.13	65.84	13.214		
7,900.00	7,751.82	7,849.21	7,750.20	35.93	32.88	89.76	-1,060.49	-71.07	869.97	803.48	66.49	13.084		
7,950.00	7,795.49	7,898.90	7,793.67	36.26	33.25	89.77	-1,084.53	-70.93	869.97	802.76	67.21	12.945		
8,000.00	7,836.86	7,948.61	7,834.92	36.62	33.65	89.78	-1,112.24	-70.76	869.97	801.98	67.99	12.796		
8,050.00	7,875.64	7,998.34	7,873.62	37.00	34.08	89.80	-1,143.44	-70.58	869.97	801.13	68.83	12.639		
8,100.00	7,911.52	8,048.08	7,909.48	37.42	34.54	89.82	-1,177.88	-70.37	869.97	800.23	69.74	12.475		
8,150.00	7,944.22	8,097.85	7,942.24	37.86	35.03	89.83	-1,215.33	-70.15	869.97	799.27	70.70	12.305		
8,200.00	7,973.51	8,147.64	7,971.64	38.32	35.55	89.85	-1,255.49	-69.91	869.97	798.25	71.71	12.131		
8,250.00	7,999.16	8,197.45	7,997.45	38.81	36.09	89.87	-1,298.08	-69.66	869.97	797.19	72.77	11.955		
8,300.00	8,020.98	8,247.30	8,019.48	39.31	36.65	89.89	-1,342.77	-69.40	869.97	796.09	73.88	11.776		
8,350.00	8,038.79	8,297.17	8,037.56	39.84	37.23	89.91	-1,389.24	-69.12	869.97	794.95	75.01	11.597		
8,374.79	8,046.09	8,321.91	8,045.00	40.11	37.53	89.93	-1,412.82	-68.98	869.97	794.37	75.59	11.509		
8,400.00	8,052.46	8,347.07	8,051.53	40.38	37.83	89.94	-1,437.12	-68.84	869.97	793.78	76.18	11.420		
8,450.00	8,061.89	8,397.00	8,061.29	40.93	38.44	89.96	-1,466.07	-68.55	869.97	792.60	77.37	11.244		
8,500.00	8,067.01	8,446.96	8,066.75	41.49	39.05	89.98	-1,535.72	-68.25	869.97	791.39	78.57	11.072		
8,533.77	8,068.00	8,480.72	8,067.99	41.88	39.46	90.00	-1,569.45	-68.05	869.97	790.58	79.39	10.959		
8,600.00	8,068.00	8,546.95	8,068.00	42.64	40.29	90.00	-1,635.68	-67.66	869.97	788.96	81.01	10.739		
8,700.00	8,068.00	8,646.95	8,068.00	43.82	41.57	90.00	-1,735.68	-67.07	869.97	786.45	83.52	10.417		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
8,800.00	8,068.00	8,746.95	8,067.99	45.04	42.88	90.00	-1,835.68	-66.48	869.97	783.87	86.10	10.105		
8,900.00	8,067.99	8,846.95	8,067.99	46.30	44.22	90.00	-1,935.67	-65.89	869.97	781.23	88.74	9.803		
9,000.00	8,067.99	8,946.95	8,067.99	47.59	45.59	90.00	-2,035.67	-65.29	869.97	778.52	91.45	9.513		
9,100.00	8,067.99	9,046.95	8,067.99	48.91	46.99	90.00	-2,135.67	-64.70	869.97	775.76	94.22	9.234		
9,200.00	8,067.99	9,146.95	8,067.98	50.26	48.42	90.00	-2,235.67	-64.11	869.98	772.94	97.03	8.966		
9,300.00	8,067.99	9,246.95	8,067.98	51.63	49.86	90.00	-2,335.67	-63.52	869.98	770.08	99.89	8.709		
9,400.00	8,067.99	9,346.95	8,067.98	53.03	51.33	90.00	-2,435.67	-62.93	869.98	767.18	102.80	8.463		
9,500.00	8,067.98	9,446.95	8,067.98	54.44	52.82	90.00	-2,535.66	-62.33	869.98	764.24	105.74	8.227		
9,600.00	8,067.98	9,546.95	8,067.97	55.88	54.32	90.00	-2,635.66	-61.74	869.98	761.26	108.72	8.002		
9,700.00	8,067.98	9,646.95	8,067.97	57.34	55.84	90.00	-2,735.66	-61.15	869.98	758.25	111.73	7.786		
9,800.00	8,067.98	9,746.95	8,067.97	58.81	57.37	90.00	-2,835.66	-60.56	869.99	755.21	114.78	7.580		
9,900.00	8,067.98	9,846.95	8,067.97	60.31	58.92	90.00	-2,935.66	-59.97	869.99	752.14	117.85	7.382		
10,000.00	8,067.98	9,946.95	8,067.96	61.81	60.48	90.00	-3,035.66	-59.37	869.99	749.04	120.95	7.193		
10,100.00	8,067.98	10,046.95	8,067.96	63.33	62.05	90.00	-3,135.65	-58.78	869.99	745.92	124.07	7.012		
10,200.00	8,067.97	10,146.95	8,067.96	64.86	63.63	90.00	-3,235.65	-58.19	870.00	742.78	127.21	6.839		
10,300.00	8,067.97	10,246.95	8,067.96	66.41	65.22	90.00	-3,335.65	-57.60	870.00	739.62	130.38	6.673		
10,400.00	8,067.97	10,346.95	8,067.95	67.96	66.82	90.00	-3,435.65	-57.01	870.00	736.44	133.56	6.514		
10,500.00	8,067.97	10,446.95	8,067.95	69.53	68.43	90.00	-3,535.65	-56.41	870.00	733.24	136.76	6.361		
10,600.00	8,067.97	10,546.95	8,067.95	71.10	70.05	90.00	-3,635.65	-55.82	870.01	730.03	139.98	6.215		
10,700.00	8,067.97	10,646.95	8,067.95	72.69	71.67	90.00	-3,735.64	-55.23	870.01	726.79	143.21	6.075		
10,800.00	8,067.97	10,746.95	8,067.94	74.28	73.31	90.00	-3,835.64	-54.64	870.01	723.55	146.46	5.940		
10,900.00	8,067.97	10,846.95	8,067.94	75.88	74.94	90.00	-3,935.64	-54.05	870.01	720.29	149.72	5.811		
11,000.00	8,067.97	10,946.95	8,067.94	77.49	76.59	90.00	-4,035.64	-53.45	870.02	717.02	153.00	5.686		
11,100.00	8,067.97	11,046.95	8,067.94	79.10	78.24	90.00	-4,135.64	-52.86	870.02	713.74	156.28	5.567		
11,200.00	8,067.96	11,146.95	8,067.93	80.73	79.89	90.00	-4,235.63	-52.27	870.02	710.44	159.58	5.452		
11,300.00	8,067.96	11,246.95	8,067.93	82.35	81.55	90.00	-4,335.63	-51.68	870.03	707.14	162.89	5.341		
11,400.00	8,067.96	11,346.95	8,067.93	83.99	83.22	90.00	-4,435.63	-51.09	870.03	703.82	166.21	5.235		
11,500.00	8,067.96	11,446.95	8,067.93	85.63	84.89	90.00	-4,535.63	-50.49	870.03	700.50	169.53	5.132		
11,600.00	8,067.96	11,546.95	8,067.92	87.27	86.56	90.00	-4,635.63	-49.90	870.04	697.17	172.87	5.033		
11,700.00	8,067.96	11,646.95	8,067.92	88.92	88.24	90.00	-4,735.63	-49.31	870.04	693.83	176.21	4.937		
11,800.00	8,067.96	11,746.95	8,067.92	90.58	89.92	90.00	-4,835.62	-48.72	870.05	690.48	179.57	4.845		
11,900.00	8,067.96	11,846.95	8,067.92	92.23	91.60	90.00	-4,935.62	-48.13	870.05	687.12	182.93	4.756		
12,000.00	8,067.96	11,946.95	8,067.91	93.90	93.29	90.00	-5,035.62	-47.53	870.05	683.76	186.29	4.670		
12,100.00	8,067.96	12,046.95	8,067.91	95.56	94.98	90.00	-5,135.62	-46.94	870.06	680.39	189.66	4.587		
12,200.00	8,067.96	12,146.95	8,067.91	97.23	96.67	90.00	-5,235.62	-46.35	870.06	677.02	193.04	4.507		
12,300.00	8,067.96	12,246.95	8,067.91	98.91	98.37	90.00	-5,335.62	-45.76	870.07	673.64	196.43	4.429		
12,400.00	8,067.96	12,346.95	8,067.90	100.59	100.07	90.00	-5,435.61	-45.17	870.07	670.25	199.82	4.354		
12,500.00	8,067.96	12,446.95	8,067.90	102.27	101.77	90.00	-5,535.61	-44.57	870.07	666.86	203.21	4.282		
12,600.00	8,067.96	12,546.95	8,067.90	103.95	103.47	90.00	-5,635.61	-43.98	870.08	663.46	206.62	4.211		
12,700.00	8,067.96	12,646.95	8,067.90	105.64	105.18	90.00	-5,735.61	-43.39	870.08	660.06	210.02	4.143		
12,800.00	8,067.96	12,746.95	8,067.89	107.33	106.89	90.00	-5,835.61	-42.80	870.09	656.66	213.43	4.077		
12,900.00	8,067.96	12,846.95	8,067.89	109.02	108.60	90.00	-5,935.60	-42.21	870.09	653.25	216.85	4.012		
13,000.00	8,067.96	12,946.95	8,067.89	110.71	110.31	90.00	-6,035.60	-41.61	870.10	649.83	220.27	3.950		
13,100.00	8,067.96	13,046.95	8,067.89	112.41	112.03	90.00	-6,135.60	-41.02	870.10	646.42	223.69	3.890		
13,200.00	8,067.96	13,146.95	8,067.88	114.11	113.74	90.00	-6,235.60	-40.43	870.11	642.99	227.11	3.831		
13,300.00	8,067.96	13,246.95	8,067.88	115.81	115.46	90.00	-6,335.60	-39.84	870.11	639.57	230.55	3.774		
13,400.00	8,067.96	13,346.95	8,067.88	117.52	117.18	89.99	-6,435.60	-39.25	870.12	636.14	233.98	3.719		
13,500.00	8,067.96	13,446.95	8,067.88	119.22	118.90	89.99	-6,535.59	-38.65	870.12	632.71	237.42	3.665		
13,600.00	8,067.96	13,546.95	8,067.87	120.93	120.62	89.99	-6,635.59	-38.06	870.13	629.27	240.86	3.613		
13,700.00	8,067.96	13,646.95	8,067.87	122.64	122.35	89.99	-6,735.59	-37.47	870.13	625.84	244.30	3.562		
13,800.00	8,067.96	13,746.95	8,067.87	124.35	124.07	89.99	-6,835.59	-36.88	870.14	622.39	247.75	3.512		
13,900.00	8,067.96	13,846.95	8,067.87	126.06	125.80	89.99	-6,935.59	-36.29	870.15	618.95	251.19	3.464		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance		Warning						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,000.00	8,067.96	13,946.95	8,067.86	127.78	127.53	89.99	-7,035.59	-35.69	870.15	615.51	254.65	3.417		
14,100.00	8,067.96	14,046.95	8,067.86	129.50	129.26	89.99	-7,135.58	-35.10	870.16	612.06	258.10	3.371		
14,200.00	8,067.96	14,146.95	8,067.86	131.21	130.99	89.99	-7,235.58	-34.51	870.16	608.61	261.56	3.327		
14,300.00	8,067.96	14,246.95	8,067.86	132.93	132.72	89.99	-7,335.58	-33.92	870.17	605.15	265.02	3.283		
14,400.00	8,067.96	14,346.95	8,067.85	134.65	134.45	89.99	-7,435.58	-33.33	870.18	601.70	268.48	3.241		
14,500.00	8,067.96	14,446.95	8,067.85	136.38	136.19	89.99	-7,535.58	-32.73	870.18	598.24	271.94	3.200		
14,600.00	8,067.96	14,546.95	8,067.85	138.10	137.92	89.99	-7,635.58	-32.14	870.19	594.78	275.41	3.160		
14,700.00	8,067.96	14,646.95	8,067.85	139.82	139.66	89.99	-7,735.57	-31.55	870.20	591.32	278.88	3.120		
14,800.00	8,067.96	14,746.95	8,067.84	141.55	141.39	89.99	-7,835.57	-30.96	870.20	587.86	282.35	3.082		
14,900.00	8,067.96	14,846.95	8,067.84	143.28	143.13	89.99	-7,935.57	-30.37	870.21	584.39	285.82	3.045		
15,000.00	8,067.96	14,946.95	8,067.84	145.00	144.87	89.99	-8,035.57	-29.77	870.22	580.92	289.29	3.008		
15,100.00	8,067.96	15,046.95	8,067.84	146.73	146.61	89.99	-8,135.57	-29.18	870.22	577.46	292.77	2.972		
15,200.00	8,067.96	15,146.95	8,067.83	148.46	148.35	89.99	-8,235.56	-28.59	870.23	573.99	296.24	2.938		
15,300.00	8,067.96	15,246.95	8,067.83	150.19	150.09	89.99	-8,335.56	-28.00	870.24	570.51	299.72	2.903		
15,400.00	8,067.96	15,346.95	8,067.83	151.93	151.83	89.99	-8,435.56	-27.41	870.24	567.04	303.20	2.870		
15,500.00	8,067.96	15,446.95	8,067.83	153.66	153.57	89.99	-8,535.56	-26.81	870.25	563.57	306.68	2.838		
15,600.00	8,067.96	15,546.95	8,067.82	155.39	155.32	89.99	-8,635.56	-26.22	870.26	560.09	310.17	2.806		
15,700.00	8,067.97	15,646.95	8,067.82	157.13	157.06	89.99	-8,735.56	-25.63	870.26	556.61	313.65	2.775		
15,800.00	8,067.97	15,746.95	8,067.82	158.86	158.81	89.99	-8,835.55	-25.04	870.27	553.14	317.14	2.744		
15,900.00	8,067.97	15,846.95	8,067.82	160.60	160.55	89.99	-8,935.55	-24.45	870.28	549.66	320.62	2.714		
16,000.00	8,067.97	15,946.95	8,067.81	162.34	162.30	89.99	-9,035.55	-23.85	870.29	546.17	324.11	2.685		
16,100.00	8,067.97	16,046.95	8,067.81	164.08	164.04	89.99	-9,135.55	-23.26	870.29	542.69	327.60	2.657		
16,200.00	8,067.97	16,146.95	8,067.81	165.81	165.79	89.99	-9,235.55	-22.67	870.30	539.21	331.09	2.629		
16,300.00	8,067.97	16,246.95	8,067.81	167.55	167.54	89.99	-9,335.55	-22.08	870.31	535.73	334.59	2.601		
16,400.00	8,067.97	16,346.95	8,067.80	169.29	169.28	89.99	-9,435.54	-21.49	870.32	532.24	338.08	2.574		
16,500.00	8,067.97	16,446.95	8,067.80	171.04	171.03	89.99	-9,535.54	-20.89	870.33	528.75	341.57	2.548		
16,600.00	8,067.98	16,546.95	8,067.80	172.78	172.78	89.99	-9,635.54	-20.30	870.33	525.27	345.07	2.522		
16,700.00	8,067.98	16,646.95	8,067.80	174.52	174.53	89.99	-9,735.54	-19.71	870.34	521.78	348.56	2.497		
16,800.00	8,067.98	16,746.95	8,067.79	176.26	176.28	89.99	-9,835.54	-19.12	870.35	518.29	352.06	2.472		
16,900.00	8,067.98	16,846.95	8,067.79	178.01	178.03	89.99	-9,935.53	-18.53	870.36	514.80	355.56	2.448		
17,000.00	8,067.98	16,946.95	8,067.79	179.75	179.78	89.99	-10,035.53	-17.93	870.37	511.31	359.06	2.424		
17,100.00	8,067.98	17,046.95	8,067.79	181.49	181.53	89.99	-10,135.53	-17.34	870.38	507.82	362.56	2.401		
17,200.00	8,067.98	17,146.95	8,067.78	183.24	183.29	89.99	-10,235.53	-16.75	870.39	504.32	366.06	2.378		
17,300.00	8,067.99	17,246.95	8,067.78	184.99	185.04	89.99	-10,335.53	-16.16	870.39	500.83	369.56	2.355		
17,400.00	8,067.99	17,346.95	8,067.78	186.73	186.79	89.99	-10,435.53	-15.57	870.40	497.34	373.07	2.333		
17,500.00	8,067.99	17,446.95	8,067.78	188.48	188.54	89.99	-10,535.52	-14.97	870.41	493.84	376.57	2.311		
17,600.00	8,067.99	17,546.95	8,067.77	190.23	190.30	89.99	-10,635.52	-14.38	870.42	490.35	380.08	2.290		
17,700.00	8,067.99	17,646.95	8,067.77	191.97	192.05	89.99	-10,735.52	-13.79	870.43	486.85	383.58	2.269		
17,800.00	8,067.99	17,746.95	8,067.77	193.72	193.80	89.99	-10,835.52	-13.20	870.44	483.35	387.09	2.249		
17,900.00	8,068.00	17,846.95	8,067.77	195.47	195.56	89.98	-10,935.52	-12.61	870.45	479.85	390.59	2.229		
18,000.00	8,068.00	17,946.95	8,067.76	197.22	197.31	89.98	-11,035.52	-12.01	870.46	476.36	394.10	2.209		
18,100.00	8,068.00	18,046.95	8,067.76	198.97	199.07	89.98	-11,135.51	-11.42	870.47	472.86	397.61	2.189		
18,180.15	8,068.00	18,124.67	8,068.00	200.37	200.43	90.00	-11,213.23	-10.81	870.33	469.99	400.34	2.174 SF		
18,184.63	8,068.00	18,124.67	8,068.00	200.45	200.43	90.00	-11,213.23	-10.81	870.35	470.01	400.34	2.174		
18,185.16	8,068.00	18,124.67	8,068.00	200.47	200.43	90.00	-11,213.23	-10.81	870.36	470.02	400.34	2.174		

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-89.68	0.40	-71.98	71.98					
100.00	100.00	100.00	100.00	0.13	0.13	-89.68	0.40	-71.98	71.98	71.71	0.27	267.725		
200.00	200.00	200.00	200.00	0.49	0.49	-89.68	0.40	-71.98	71.98	70.99	0.99	73.016		
300.00	300.00	300.00	300.00	0.85	0.85	-89.68	0.40	-71.98	71.98	70.28	1.70	42.272		
400.00	400.00	400.00	400.00	1.21	1.21	-89.68	0.40	-71.98	71.98	69.56	2.42	29.747		
500.00	500.00	500.00	500.00	1.57	1.57	-89.68	0.40	-71.98	71.98	68.84	3.14	22.948		
600.00	600.00	600.00	600.00	1.93	1.93	-89.68	0.40	-71.98	71.98	68.13	3.85	18.679		
700.00	700.00	700.00	700.00	2.29	2.29	-89.68	0.40	-71.98	71.98	67.41	4.57	15.749		
800.00	800.00	800.00	800.00	2.64	2.64	-89.68	0.40	-71.98	71.98	66.69	5.29	13.613		
900.00	900.00	900.00	900.00	3.00	3.00	-89.68	0.40	-71.98	71.98	65.97	6.00	11.988		
1,000.00	1,000.00	1,000.00	1,000.00	3.36	3.36	-89.68	0.40	-71.98	71.98	65.26	6.72	10.709		
1,100.00	1,100.00	1,100.00	1,100.00	3.72	3.72	-89.68	0.40	-71.98	71.98	64.54	7.44	9.677		
1,200.00	1,200.00	1,200.00	1,200.00	4.08	4.08	-89.68	0.40	-71.98	71.98	63.82	8.16	8.826	CC, ES	
1,300.00	1,299.98	1,300.02	1,299.98	4.42	4.44	130.21	0.40	-71.98	73.09	64.24	8.86	8.253		
1,400.00	1,399.84	1,399.84	1,399.84	4.75	4.79	133.15	0.40	-71.98	76.58	67.03	9.54	8.023		
1,500.00	1,499.45	1,500.64	1,500.62	5.09	5.14	136.40	-1.30	-71.48	82.07	71.84	10.22	8.028		
1,600.00	1,598.70	1,601.63	1,601.46	5.44	5.47	138.66	-6.41	-69.99	88.85	77.96	10.89	8.159		
1,700.00	1,697.47	1,702.77	1,702.21	5.81	5.81	140.04	-14.95	-67.51	96.80	85.23	11.57	8.367		
1,800.00	1,795.62	1,804.04	1,802.70	6.19	6.15	140.68	-26.91	-64.02	105.81	93.55	12.26	8.628		
1,846.33	1,840.86	1,851.00	1,849.14	6.38	6.32	140.78	-33.61	-62.07	110.34	97.74	12.60	8.760		
1,900.00	1,893.17	1,905.44	1,902.82	6.60	6.51	140.65	-42.30	-59.54	115.46	102.48	12.98	8.894		
2,000.00	1,990.64	2,006.29	2,001.83	7.02	6.89	139.43	-60.74	-54.17	123.86	110.13	13.73	9.020		
2,100.00	2,088.10	2,105.92	2,099.49	7.46	7.28	138.11	-79.61	-48.67	132.01	117.49	14.51	9.095		
2,200.00	2,185.57	2,205.54	2,197.16	7.91	7.68	136.94	-98.49	-43.17	140.21	124.89	15.32	9.153		
2,300.00	2,283.03	2,305.17	2,294.82	8.37	8.09	135.90	-117.37	-37.67	148.47	132.33	16.14	9.198		
2,400.00	2,380.50	2,404.79	2,392.49	8.84	8.51	134.97	-136.24	-32.17	156.77	139.79	16.98	9.231		
2,500.00	2,477.97	2,504.42	2,490.15	9.32	8.93	134.14	-155.12	-26.67	165.11	147.27	17.84	9.256		
2,600.00	2,575.43	2,604.04	2,587.82	9.80	9.37	133.38	-173.99	-21.17	173.48	154.77	18.71	9.274		
2,700.00	2,672.90	2,703.66	2,685.48	10.28	9.81	132.70	-192.87	-15.67	181.87	162.29	19.59	9.286		
2,800.00	2,770.36	2,803.29	2,783.15	10.77	10.25	132.07	-211.74	-10.18	190.29	169.82	20.48	9.294		
2,900.00	2,867.83	2,902.91	2,880.81	11.26	10.70	131.50	-230.62	-4.68	198.73	177.36	21.37	9.298		
3,000.00	2,965.29	3,002.54	2,978.48	11.76	11.15	130.97	-249.49	0.82	207.19	184.91	22.28	9.299		
3,100.00	3,062.76	3,102.16	3,076.14	12.26	11.61	130.49	-268.37	6.32	215.67	192.47	23.19	9.298		
3,200.00	3,160.23	3,201.79	3,173.81	12.76	12.06	130.04	-287.25	11.82	224.16	200.04	24.11	9.296		
3,300.00	3,257.69	3,301.41	3,271.47	13.27	12.53	129.63	-306.12	17.32	232.66	207.62	25.04	9.292		
3,400.00	3,355.16	3,401.04	3,369.14	13.77	12.99	129.24	-325.00	22.82	241.17	215.20	25.97	9.287		
3,500.00	3,452.62	3,500.66	3,466.80	14.28	13.45	128.88	-343.87	28.32	249.69	222.79	26.90	9.281		
3,600.00	3,550.09	3,600.28	3,564.47	14.79	13.92	128.55	-362.75	33.82	258.22	230.38	27.84	9.274		
3,700.00	3,647.55	3,700.09	3,662.14	15.30	14.39	128.23	-381.62	39.31	266.76	237.98	28.79	9.267		
3,800.00	3,745.02	3,799.53	3,759.80	15.81	14.86	127.94	-400.50	44.81	275.31	245.58	29.73	9.260		
3,900.00	3,842.49	3,900.84	3,857.47	16.32	15.34	127.66	-419.37	50.31	283.87	253.18	30.69	9.250		
4,000.00	3,939.95	4,001.22	3,955.13	16.84	15.82	127.40	-438.25	55.81	292.43	260.78	31.64	9.241		
4,100.00	4,037.42	4,101.59	4,052.80	17.35	16.30	127.15	-457.13	61.31	300.99	268.39	32.60	9.232		
4,200.00	4,134.88	4,201.97	4,150.46	17.87	16.78	126.92	-476.00	66.81	309.56	276.00	33.56	9.223		
4,300.00	4,232.35	4,302.35	4,248.13	18.39	17.26	126.70	-494.88	72.31	318.14	283.61	34.53	9.215		
4,400.00	4,329.81	4,402.72	4,345.79	18.90	17.74	126.49	-513.75	77.81	326.72	291.23	35.49	9.206		
4,500.00	4,427.28	4,503.10	4,443.46	19.42	18.22	126.30	-532.63	83.31	335.30	298.85	36.46	9.197		
4,600.00	4,524.75	4,603.47	4,541.12	19.94	18.70	126.11	-551.50	88.80	343.89	306.47	37.42	9.189		
4,700.00	4,622.21	4,703.85	4,638.79	20.46	19.19	125.93	-570.38	94.30	352.48	314.09	38.39	9.181		
4,800.00	4,719.68	4,804.22	4,736.45	20.98	19.67	125.76	-589.25	99.80	361.08	321.71	39.36	9.173		
4,900.00	4,817.14	4,904.60	4,834.12	21.50	20.16	125.60	-608.13	105.30	369.68	329.34	40.34	9.165		
5,000.00	4,914.61	5,004.98	4,931.78	22.02	20.64	125.44	-627.01	110.80	378.28	336.97	41.31	9.157		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Sec 28-T1N-R68W - COYOTE TRAILS 33S-20-3N - ORIGINAL WELLBORE - 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	5,012.07	5,105.35	5,029.45	22.54	21.13	125.30	-645.88	116.30	386.88	344.60	42.28	9.149				
5,200.00	5,109.54	5,205.73	5,127.11	23.06	21.61	125.15	-664.76	121.80	395.49	352.23	43.26	9.142				
5,300.00	5,207.01	5,306.10	5,224.78	23.59	22.10	125.02	-683.63	127.30	404.10	359.86	44.24	9.135				
5,400.00	5,304.47	5,406.48	5,322.44	24.11	22.59	124.89	-702.51	132.80	412.71	367.49	45.22	9.128				
5,500.00	5,401.94	5,506.85	5,420.11	24.63	23.08	124.76	-721.38	138.29	421.32	375.12	46.19	9.121				
5,600.00	5,499.40	5,607.23	5,517.77	25.16	23.56	124.64	-740.26	143.79	429.93	382.76	47.17	9.114				
5,700.00	5,596.87	5,707.60	5,615.44	25.68	24.05	124.53	-759.13	149.29	438.55	390.39	48.15	9.107				
5,800.00	5,694.33	5,807.98	5,713.10	26.20	24.54	124.42	-778.01	154.79	447.17	398.03	49.13	9.101				
5,900.00	5,791.80	5,908.36	5,810.77	26.73	25.03	124.31	-796.89	160.29	455.79	405.67	50.12	9.095				
6,000.00	5,889.27	6,008.73	5,908.43	27.25	25.52	124.21	-815.76	165.79	464.41	413.31	51.10	9.088				
6,100.00	5,986.73	6,109.11	6,006.10	27.78	26.01	124.11	-834.64	171.29	473.03	420.95	52.08	9.083				
6,200.00	6,084.20	6,209.48	6,103.76	28.30	26.50	124.02	-853.51	176.79	481.65	428.59	53.06	9.077				
6,300.00	6,181.66	6,309.86	6,201.43	28.82	26.99	123.93	-872.39	182.29	490.28	436.23	54.05	9.071				
6,400.00	6,279.13	6,389.77	6,299.10	29.35	27.38	123.84	-891.26	187.78	498.90	443.97	54.93	9.082				
6,500.00	6,376.59	6,489.39	6,396.76	29.88	27.87	123.75	-910.14	193.28	507.53	451.61	55.92	9.077				
6,600.00	6,474.06	6,589.01	6,494.43	30.40	28.36	123.67	-929.01	198.78	516.16	459.26	56.90	9.072				
6,700.00	6,571.53	6,687.80	6,591.29	30.93	28.84	123.60	-947.64	204.21	524.81	466.94	57.87	9.069				
6,800.00	6,668.99	6,783.82	6,685.85	31.45	29.28	123.78	-963.59	208.85	533.93	475.16	58.77	9.086				
6,887.36	6,754.14	6,867.44	6,768.62	31.91	29.64	124.20	-974.99	212.18	542.47	482.98	59.48	9.120				
6,900.00	6,766.46	6,879.51	6,780.60	31.98	29.69	124.30	-976.44	212.60	543.73	484.15	59.58	9.126				
7,000.00	6,864.39	6,974.92	6,875.46	32.48	30.07	125.08	-986.23	215.45	553.08	492.76	60.33	9.168				
7,100.00	6,962.96	7,070.16	6,970.44	32.94	30.42	125.86	-992.96	217.41	561.24	500.24	61.00	9.201				
7,200.00	7,062.06	7,165.20	7,065.40	33.36	30.74	126.63	-996.66	218.49	568.21	506.62	61.60	9.225				
7,300.00	7,161.57	7,261.38	7,161.57	33.74	31.02	127.40	-997.45	218.72	573.97	511.84	62.13	9.238				
7,400.00	7,261.36	7,360.91	7,261.08	34.08	31.30	127.91	-998.09	218.72	577.89	515.21	62.69	9.219				
7,500.00	7,361.31	7,458.48	7,357.69	34.39	31.70	126.89	-1,010.96	218.80	579.93	516.37	63.55	9.125				
7,533.69	7,395.00	7,490.07	7,388.32	34.48	31.87	-92.70	-1,018.62	218.85	580.34	516.43	63.91	9.081				
7,600.00	7,461.31	7,549.29	7,444.43	34.65	32.21	-94.56	-1,037.49	218.96	581.63	516.99	64.63	8.999				
7,633.69	7,495.00	7,577.71	7,470.59	34.73	32.40	-95.64	-1,048.58	219.02	582.81	517.80	65.01	8.965				
7,650.00	7,511.31	7,591.11	7,482.74	34.78	32.49	84.08	-1,054.25	219.06	583.53	518.35	65.18	8.952				
7,700.00	7,561.16	7,631.57	7,518.53	34.94	32.78	82.25	-1,073.09	219.17	586.13	520.42	65.71	8.920				
7,750.00	7,610.51	7,671.13	7,552.16	35.14	33.09	80.47	-1,093.90	219.29	589.25	523.04	66.21	8.900				
7,800.00	7,658.98	7,709.90	7,583.66	35.37	33.41	78.76	-1,116.50	219.43	592.80	526.14	66.66	8.893				
7,850.00	7,706.21	7,747.98	7,613.03	35.64	33.74	77.12	-1,140.72	219.57	596.67	529.60	67.08	8.895				
7,900.00	7,751.82	7,785.45	7,640.31	35.93	34.08	75.58	-1,166.41	219.72	600.76	533.30	67.45	8.906				
7,950.00	7,795.49	7,822.40	7,665.49	36.26	34.44	74.13	-1,193.43	219.88	604.96	537.17	67.79	8.924				
8,000.00	7,836.86	7,858.88	7,688.61	36.62	34.81	72.78	-1,221.64	220.05	609.17	541.09	68.08	8.947				
8,050.00	7,875.64	7,894.95	7,709.65	37.00	35.18	71.53	-1,250.94	220.23	613.32	544.96	68.36	8.972				
8,100.00	7,911.52	7,930.67	7,728.63	37.42	35.57	70.41	-1,281.19	220.40	617.30	548.69	68.61	8.997				
8,150.00	7,944.22	7,966.08	7,745.55	37.86	35.96	69.39	-1,312.29	220.59	621.04	552.19	68.85	9.020				
8,200.00	7,973.51	8,000.00	7,759.93	38.32	36.35	68.52	-1,343.00	220.77	624.48	555.43	69.05	9.044				
8,250.00	7,999.16	8,036.18	7,773.23	38.81	36.77	67.73	-1,376.64	220.97	627.54	558.19	69.36	9.048				
8,300.00	8,020.98	8,070.93	7,783.99	39.31	37.18	67.09	-1,409.68	221.17	630.19	560.55	69.64	9.049				
8,350.00	8,038.79	8,105.54	7,792.69	39.84	37.60	66.57	-1,443.17	221.37	632.36	562.40	69.95	9.040				
8,400.00	8,052.46	8,140.04	7,799.33	40.38	38.02	66.18	-1,477.02	221.57	634.03	563.71	70.32	9.017				
8,450.00	8,061.89	8,174.46	7,803.92	40.93	38.44	65.92	-1,511.12	221.77	635.17	564.43	70.74	8.979				
8,500.00	8,067.01	8,208.83	7,806.45	41.49	38.87	65.78	-1,545.39	221.97	635.76	564.54	71.22	8.927				
8,533.77	8,068.00	8,236.61	7,807.00	41.88	39.21	65.76	-1,567.74	222.11	635.84	564.22	71.62	8.878				
8,600.00	8,068.00	8,302.59	7,807.00	42.64	40.04	65.76	-1,633.97	222.50	635.84	562.75	73.09	8.700				
8,700.00	8,068.00	8,402.59	7,807.00	43.82	41.32	65.76	-1,733.97	223.09	635.84	560.46	75.38	8.436				
8,800.00	8,068.00	8,502.59	7,806.99	45.04	42.64	65.76	-1,833.96	223.69	635.84	558.10	77.74	8.179				
8,900.00	8,067.99	8,602.59	7,806.99	46.30	43.99	65.76	-1,933.96	224.28	635.84	555.67	80.16	7.932				

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Sec 28-T1N-R68W - COYOTE TRAILS 33S-20-3N - ORIGINAL WELLBORE - 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					
9,000.00	8,067.99	8,702.59	7,806.99	47.59	45.37	65.76	-2,033.96	224.88	635.84	553.19	82.65	7.693					
9,100.00	8,067.99	8,797.41	7,806.99	48.91	46.70	65.76	-2,133.96	225.47	635.84	550.71	85.12	7.469					
9,200.00	8,067.99	8,902.59	7,806.98	50.26	48.21	65.76	-2,233.96	226.06	635.84	548.05	87.78	7.243					
9,300.00	8,067.99	9,002.59	7,806.98	51.63	49.66	65.76	-2,333.96	226.66	635.83	545.41	90.42	7.032					
9,300.00	8,067.99	9,002.59	7,806.98	51.63	49.66	65.76	-2,333.96	226.66	635.84	545.41	90.42	7.032					
9,400.00	8,067.99	9,097.41	7,806.98	53.03	51.06	65.76	-2,433.95	227.25	635.84	542.80	93.03	6.835					
9,500.00	8,067.98	9,202.59	7,806.98	54.44	52.62	65.76	-2,533.95	227.85	635.84	540.01	95.82	6.636					
9,600.00	8,067.98	9,302.59	7,806.97	55.88	54.13	65.76	-2,633.95	228.44	635.84	537.26	98.57	6.450					
9,700.00	8,067.98	9,402.59	7,806.97	57.34	55.66	65.76	-2,733.95	229.03	635.84	534.47	101.36	6.273					
9,800.00	8,067.98	9,502.59	7,806.97	58.81	57.20	65.76	-2,833.95	229.63	635.84	531.66	104.18	6.103					
9,900.00	8,067.98	9,602.59	7,806.97	60.31	58.75	65.76	-2,933.94	230.22	635.84	528.82	107.02	5.941					
10,000.00	8,067.98	9,702.59	7,806.96	61.81	60.31	65.76	-3,033.94	230.82	635.84	525.95	109.89	5.786					
10,100.00	8,067.98	9,802.59	7,806.96	63.33	61.89	65.76	-3,133.94	231.41	635.84	523.06	112.78	5.638					
10,200.00	8,067.97	9,902.59	7,806.96	64.86	63.47	65.76	-3,233.94	232.00	635.84	520.14	115.70	5.496					
10,300.00	8,067.97	10,002.59	7,806.96	66.41	65.07	65.76	-3,333.94	232.60	635.84	517.21	118.63	5.360					
10,400.00	8,067.97	10,102.59	7,806.95	67.96	66.67	65.76	-3,433.94	233.19	635.84	514.26	121.58	5.230					
10,500.00	8,067.97	10,202.59	7,806.95	69.53	68.28	65.76	-3,533.93	233.79	635.84	511.29	124.55	5.105					
10,600.00	8,067.97	10,302.59	7,806.95	71.10	69.90	65.76	-3,633.93	234.38	635.84	508.31	127.54	4.986					
10,700.00	8,067.97	10,402.59	7,806.95	72.69	71.53	65.76	-3,733.93	234.98	635.84	505.31	130.54	4.871					
10,800.00	8,067.97	10,502.59	7,806.94	74.28	73.16	65.76	-3,833.93	235.57	635.85	502.29	133.55	4.761					
10,900.00	8,067.97	10,602.59	7,806.94	75.88	74.81	65.76	-3,933.93	236.16	635.85	499.27	136.58	4.656					
11,000.00	8,067.97	10,702.59	7,806.94	77.49	76.45	65.76	-4,033.93	236.76	635.85	496.23	139.62	4.554					
11,100.00	8,067.97	10,802.59	7,806.94	79.10	78.10	65.76	-4,133.92	237.35	635.85	493.18	142.67	4.457					
11,200.00	8,067.96	10,902.59	7,806.93	80.73	79.76	65.76	-4,233.92	237.95	635.85	490.12	145.73	4.363					
11,300.00	8,067.96	11,002.59	7,806.93	82.35	81.42	65.76	-4,333.92	238.54	635.85	487.05	148.80	4.273					
11,400.00	8,067.96	11,102.59	7,806.93	83.99	83.09	65.76	-4,433.92	239.13	635.86	483.97	151.89	4.186					
11,500.00	8,067.96	11,202.59	7,806.93	85.63	84.76	65.76	-4,533.92	239.73	635.86	480.88	154.98	4.103					
11,600.00	8,067.96	11,297.41	7,806.92	87.27	86.35	65.76	-4,633.91	240.32	635.86	477.87	157.99	4.025					
11,700.00	8,067.96	11,402.59	7,806.92	88.92	88.12	65.76	-4,733.91	240.92	635.86	474.68	161.18	3.945					
11,800.00	8,067.96	11,502.59	7,806.92	90.58	89.80	65.76	-4,833.91	241.51	635.87	471.57	164.29	3.870					
11,900.00	8,067.96	11,602.59	7,806.92	92.23	91.48	65.76	-4,933.91	242.10	635.87	468.45	167.42	3.798					
12,000.00	8,067.96	11,702.59	7,806.91	93.90	93.17	65.76	-5,033.91	242.70	635.87	465.33	170.54	3.729					
12,100.00	8,067.96	11,802.59	7,806.91	95.56	94.87	65.76	-5,133.91	243.29	635.87	462.20	173.68	3.661					
12,200.00	8,067.96	11,902.59	7,806.91	97.23	96.56	65.76	-5,233.90	243.89	635.88	459.06	176.82	3.596					
12,300.00	8,067.96	12,002.59	7,806.91	98.91	98.26	65.76	-5,333.90	244.48	635.88	455.92	179.96	3.533					
12,400.00	8,067.96	12,102.59	7,806.90	100.59	99.96	65.76	-5,433.90	245.07	635.88	452.77	183.11	3.473					
12,500.00	8,067.96	12,197.41	7,806.90	102.27	101.57	65.76	-5,533.90	245.67	635.89	449.70	186.19	3.415					
12,600.00	8,067.96	12,302.59	7,806.90	103.95	103.37	65.76	-5,633.90	246.26	635.89	446.46	189.43	3.357					
12,700.00	8,067.96	12,402.59	7,806.90	105.64	105.08	65.76	-5,733.90	246.86	635.89	443.30	192.59	3.302					
12,800.00	8,067.96	12,502.59	7,806.89	107.33	106.79	65.76	-5,833.89	247.45	635.90	440.13	195.76	3.248					
12,900.00	8,067.96	12,602.59	7,806.89	109.02	108.50	65.76	-5,933.89	248.04	635.90	436.96	198.94	3.197					
13,000.00	8,067.96	12,702.59	7,806.89	110.71	110.21	65.76	-6,033.89	248.64	635.90	433.79	202.11	3.146					
13,100.00	8,067.96	12,802.59	7,806.89	112.41	111.93	65.76	-6,133.89	249.23	635.91	430.61	205.29	3.098					
13,200.00	8,067.96	12,902.59	7,806.88	114.11	113.64	65.76	-6,233.89	249.83	635.91	427.43	208.48	3.050					
13,300.00	8,067.96	13,002.59	7,806.88	115.81	115.36	65.76	-6,333.88	250.42	635.91	424.25	211.67	3.004					
13,400.00	8,067.96	13,102.59	7,806.88	117.52	117.08	65.76	-6,433.88	251.01	635.92	421.06	214.86	2.960					
13,500.00	8,067.96	13,202.59	7,806.88	119.22	118.81	65.76	-6,533.88	251.61	635.92	417.87	218.05	2.916					
13,600.00	8,067.96	13,302.59	7,806.87	120.93	120.53	65.76	-6,633.88	252.20	635.93	414.68	221.25	2.874					
13,700.00	8,067.96	13,402.59	7,806.87	122.64	122.25	65.76	-6,733.88	252.80	635.93	411.48	224.45	2.833					
13,800.00	8,067.96	13,502.59	7,806.87	124.35	123.98	65.76	-6,833.88	253.39	635.93	408.28	227.65	2.793					
13,900.00	8,067.96	13,602.59	7,806.87	126.06	125.71	65.76	-6,933.87	253.98	635.94	405.08	230.86	2.755					
14,000.00	8,067.96	13,702.59	7,806.86	127.78	127.44	65.76	-7,033.87	254.58	635.94	401.88	234.07	2.717					

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



# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	8,067.96	13,802.59	7,806.86	129.50	129.17	65.76	-7,133.87	255.17	635.95	398.67	237.28	2.680		
14,200.00	8,067.96	13,902.59	7,806.86	131.21	130.90	65.76	-7,233.87	255.77	635.95	395.46	240.49	2.644		
14,300.00	8,067.96	14,002.59	7,806.86	132.93	132.63	65.76	-7,333.87	256.36	635.96	392.25	243.71	2.610		
14,400.00	8,067.96	14,102.59	7,806.85	134.65	134.37	65.76	-7,433.87	256.95	635.96	389.04	246.92	2.576		
14,500.00	8,067.96	14,202.59	7,806.85	136.38	136.10	65.76	-7,533.86	257.55	635.97	385.82	250.14	2.542		
14,600.00	8,067.96	14,302.59	7,806.85	138.10	137.84	65.76	-7,633.86	258.14	635.97	382.61	253.36	2.510		
14,700.00	8,067.96	14,402.59	7,806.85	139.82	139.57	65.76	-7,733.86	258.74	635.98	379.39	256.59	2.479		
14,800.00	8,067.96	14,502.59	7,806.84	141.55	141.31	65.76	-7,833.86	259.33	635.98	376.17	259.81	2.448		
14,900.00	8,067.96	14,602.59	7,806.84	143.28	143.05	65.76	-7,933.86	259.92	635.99	372.95	263.04	2.418		
15,000.00	8,067.96	14,702.59	7,806.84	145.00	144.79	65.76	-8,033.85	260.52	635.99	369.73	266.27	2.389		
15,100.00	8,067.96	14,802.59	7,806.84	146.73	146.53	65.76	-8,133.85	261.11	636.00	366.50	269.50	2.360		
15,200.00	8,067.96	14,902.59	7,806.83	148.46	148.27	65.76	-8,233.85	261.71	636.01	363.27	272.73	2.332		
15,300.00	8,067.96	15,002.59	7,806.83	150.19	150.01	65.76	-8,333.85	262.30	636.01	360.05	275.96	2.305		
15,400.00	8,067.96	15,102.59	7,806.83	151.93	151.75	65.76	-8,433.85	262.89	636.02	356.82	279.20	2.278		
15,500.00	8,067.96	15,202.59	7,806.83	153.66	153.50	65.76	-8,533.85	263.49	636.02	353.59	282.43	2.252		
15,600.00	8,067.96	15,302.59	7,806.82	155.39	155.24	65.76	-8,633.84	264.08	636.03	350.36	285.67	2.226		
15,700.00	8,067.97	15,402.59	7,806.82	157.13	156.98	65.76	-8,733.84	264.68	636.04	347.12	288.91	2.201		
15,800.00	8,067.97	15,502.59	7,806.82	158.86	158.73	65.76	-8,833.84	265.27	636.04	343.89	292.15	2.177		
15,900.00	8,067.97	15,602.59	7,806.82	160.60	160.47	65.76	-8,933.84	265.86	636.05	340.66	295.39	2.153		
16,000.00	8,067.97	15,702.59	7,806.81	162.34	162.22	65.76	-9,033.84	266.46	636.05	337.42	298.64	2.130		
16,100.00	8,067.97	15,802.59	7,806.81	164.08	163.97	65.76	-9,133.84	267.05	636.06	334.18	301.88	2.107		
16,200.00	8,067.97	15,902.59	7,806.81	165.81	165.71	65.76	-9,233.83	267.65	636.07	330.94	305.12	2.085		
16,300.00	8,067.97	16,002.59	7,806.81	167.55	167.46	65.76	-9,333.83	268.24	636.08	327.70	308.37	2.063		
16,400.00	8,067.97	16,102.59	7,806.80	169.29	169.21	65.76	-9,433.83	268.83	636.08	324.46	311.62	2.041		
16,500.00	8,067.97	16,202.59	7,806.80	171.04	170.96	65.76	-9,533.83	269.43	636.09	321.22	314.87	2.020		
16,600.00	8,067.98	16,302.59	7,806.80	172.78	172.71	65.76	-9,633.83	270.02	636.10	317.98	318.11	2.000		
16,700.00	8,067.98	16,402.59	7,806.80	174.52	174.46	65.76	-9,733.82	270.62	636.10	314.74	321.37	1.979		
16,800.00	8,067.98	16,502.59	7,806.79	176.26	176.21	65.76	-9,833.82	271.21	636.11	311.49	324.62	1.960		
16,900.00	8,067.98	16,602.59	7,806.79	178.01	177.96	65.76	-9,933.82	271.81	636.12	308.25	327.87	1.940		
17,000.00	8,067.98	16,697.41	7,806.79	179.75	179.62	65.76	-10,033.82	272.40	636.13	305.09	331.04	1.922		
17,100.00	8,067.98	16,802.59	7,806.79	181.49	181.46	65.76	-10,133.82	272.99	636.13	301.76	334.37	1.902		
17,200.00	8,067.98	16,902.59	7,806.78	183.24	183.22	65.76	-10,233.82	273.59	636.14	298.51	337.63	1.884		
17,300.00	8,067.99	17,002.59	7,806.78	184.99	184.97	65.76	-10,333.81	274.18	636.15	295.26	340.88	1.866		
17,400.00	8,067.99	17,097.41	7,806.78	186.73	186.63	65.76	-10,433.81	274.78	636.16	292.10	344.06	1.849		
17,500.00	8,067.99	17,202.59	7,806.78	188.48	188.47	65.76	-10,533.81	275.37	636.16	288.77	347.40	1.831		
17,600.00	8,067.99	17,302.59	7,806.77	190.23	190.23	65.76	-10,633.81	275.96	636.17	285.52	350.65	1.814		
17,700.00	8,067.99	17,402.59	7,806.77	191.97	191.98	65.76	-10,733.81	276.56	636.18	282.27	353.91	1.798		
17,800.00	8,067.99	17,502.59	7,806.77	193.72	193.74	65.76	-10,833.81	277.15	636.19	279.02	357.17	1.781		
17,900.00	8,068.00	17,602.59	7,806.77	195.47	195.49	65.76	-10,933.80	277.75	636.20	275.77	360.43	1.765		
18,000.00	8,068.00	17,702.59	7,806.76	197.22	197.25	65.76	-11,033.80	278.34	636.21	272.51	363.69	1.749		
18,100.00	8,068.00	17,797.41	7,806.76	198.97	198.91	65.76	-11,133.80	278.93	636.21	269.35	366.87	1.734		
18,184.63	8,068.00	17,883.41	7,807.02	200.45	200.42	65.77	-11,219.80	279.52	636.04	266.31	369.74	1.720		
18,185.16	8,068.00	17,883.94	7,807.02	200.47	200.43	65.78	-11,220.33	279.53	636.04	266.29	369.75	1.720 SF		

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-89.68	0.20	-35.99	35.99					
100.00	100.00	100.00	100.00	0.13	0.13	-89.68	0.20	-35.99	35.99	35.72	0.27	133.857		
200.00	200.00	200.00	200.00	0.49	0.49	-89.68	0.20	-35.99	35.99	35.00	0.99	36.507		
300.00	300.00	300.00	300.00	0.85	0.85	-89.68	0.20	-35.99	35.99	34.29	1.70	21.135		
400.00	400.00	400.00	400.00	1.21	1.21	-89.68	0.20	-35.99	35.99	33.57	2.42	14.873		
500.00	500.00	500.00	500.00	1.57	1.57	-89.68	0.20	-35.99	35.99	32.85	3.14	11.473		
600.00	600.00	600.00	600.00	1.93	1.93	-89.68	0.20	-35.99	35.99	32.13	3.85	9.339		
700.00	700.00	700.00	700.00	2.29	2.29	-89.68	0.20	-35.99	35.99	31.42	4.57	7.874		
800.00	800.00	800.00	800.00	2.64	2.64	-89.68	0.20	-35.99	35.99	30.70	5.29	6.806		
900.00	900.00	900.00	900.00	3.00	3.00	-89.68	0.20	-35.99	35.99	29.98	6.00	5.994		
1,000.00	1,000.00	1,000.00	1,000.00	3.36	3.36	-89.68	0.20	-35.99	35.99	29.27	6.72	5.354		
1,100.00	1,100.00	1,100.00	1,100.00	3.72	3.72	-89.68	0.20	-35.99	35.99	28.55	7.44	4.838		
1,200.00	1,200.00	1,200.00	1,200.00	4.08	4.08	-89.68	0.20	-35.99	35.99	27.83	8.16	4.413	CC, ES	
1,300.00	1,299.98	1,299.98	1,299.98	4.42	4.44	131.24	0.20	-35.99	37.12	28.26	8.86	4.191		
1,400.00	1,399.84	1,400.65	1,400.63	4.75	4.78	134.74	-1.35	-35.14	39.73	30.21	9.53	4.170		
1,500.00	1,499.45	1,501.44	1,501.27	5.09	5.11	137.20	-6.01	-32.59	42.92	32.74	10.19	4.213		
1,600.00	1,598.70	1,602.33	1,601.77	5.44	5.45	138.74	-13.78	-28.33	46.60	35.75	10.86	4.293		
1,700.00	1,697.47	1,703.33	1,701.99	5.81	5.80	139.53	-24.66	-22.37	50.73	39.20	11.53	4.398		
1,800.00	1,795.62	1,804.42	1,801.81	6.19	6.17	139.71	-38.65	-14.71	55.27	43.04	12.23	4.519		
1,846.33	1,840.86	1,851.28	1,847.89	6.38	6.34	139.62	-46.18	-10.59	57.51	44.95	12.56	4.578		
1,900.00	1,893.17	1,905.61	1,901.10	6.60	6.55	139.12	-55.74	-5.36	59.84	46.88	12.95	4.620		
2,000.00	1,990.64	2,005.62	1,998.84	7.02	6.95	137.45	-74.35	4.84	63.45	49.72	13.73	4.621		
2,100.00	2,088.10	2,105.54	2,096.48	7.46	7.36	135.96	-92.96	15.03	67.10	52.56	14.53	4.617		
2,200.00	2,185.57	2,205.46	2,194.12	7.91	7.79	134.62	-111.57	25.21	70.79	55.43	15.36	4.608		
2,300.00	2,283.03	2,305.38	2,291.76	8.37	8.23	133.41	-130.18	35.40	74.51	58.31	16.21	4.598		
2,400.00	2,380.50	2,405.30	2,389.40	8.84	8.67	132.32	-148.79	45.59	78.27	61.20	17.07	4.585		
2,500.00	2,477.97	2,505.22	2,487.04	9.32	9.12	131.33	-167.40	55.78	82.05	64.10	17.95	4.571		
2,600.00	2,575.43	2,605.13	2,584.69	9.80	9.58	130.43	-186.00	65.97	85.85	67.01	18.85	4.556		
2,700.00	2,672.90	2,705.05	2,682.33	10.28	10.04	129.60	-204.61	76.16	89.68	69.93	19.75	4.540		
2,800.00	2,770.36	2,804.97	2,779.97	10.77	10.51	128.85	-223.22	86.35	93.52	72.85	20.67	4.525		
2,900.00	2,867.83	2,904.89	2,877.61	11.26	10.99	128.15	-241.83	96.54	97.37	75.78	21.59	4.509		
3,000.00	2,965.29	3,004.81	2,975.25	11.76	11.46	127.50	-260.44	106.73	101.24	78.71	22.53	4.494		
3,100.00	3,062.76	3,104.73	3,072.89	12.26	11.94	126.91	-279.05	116.92	105.12	81.65	23.47	4.479		
3,200.00	3,160.23	3,204.65	3,170.53	12.76	12.42	126.35	-297.65	127.11	109.01	84.60	24.42	4.465		
3,300.00	3,257.69	3,304.57	3,268.17	13.27	12.91	125.84	-316.26	137.30	112.92	87.54	25.37	4.450		
3,400.00	3,355.16	3,404.49	3,365.81	13.77	13.39	125.35	-334.87	147.49	116.82	90.49	26.33	4.437		
3,500.00	3,452.62	3,504.40	3,463.45	14.28	13.88	124.90	-353.48	157.68	120.74	93.45	27.30	4.424		
3,600.00	3,550.09	3,604.32	3,561.09	14.79	14.37	124.48	-372.09	167.86	124.67	96.40	28.26	4.411		
3,700.00	3,647.55	3,704.24	3,658.73	15.30	14.86	124.08	-390.70	178.05	128.60	99.36	29.24	4.399		
3,800.00	3,745.02	3,804.16	3,756.37	15.81	15.36	123.71	-409.30	188.24	132.53	102.32	30.21	4.387		
3,900.00	3,842.49	3,904.08	3,854.01	16.32	15.85	123.36	-427.91	198.43	136.47	105.28	31.19	4.375		
4,000.00	3,939.95	4,004.00	3,951.65	16.84	16.35	123.03	-446.52	208.62	140.42	108.25	32.17	4.365		
4,100.00	4,037.42	4,103.92	4,049.30	17.35	16.85	122.71	-465.13	218.81	144.37	111.21	33.16	4.354		
4,200.00	4,134.88	4,203.84	4,146.94	17.87	17.34	122.42	-483.74	229.00	148.33	114.18	34.14	4.344		
4,300.00	4,232.35	4,303.76	4,244.58	18.39	17.84	122.14	-502.35	239.19	152.28	117.15	35.13	4.334		
4,400.00	4,329.81	4,403.67	4,342.22	18.90	18.34	121.87	-520.95	249.38	156.25	120.12	36.12	4.325		
4,500.00	4,427.28	4,503.59	4,439.86	19.42	18.84	121.61	-539.56	259.57	160.21	123.09	37.12	4.316		
4,600.00	4,524.75	4,603.51	4,537.50	19.94	19.34	121.37	-558.17	269.76	164.18	126.07	38.11	4.308		
4,700.00	4,622.21	4,703.43	4,635.14	20.46	19.85	121.14	-576.78	279.95	168.15	129.04	39.11	4.299		
4,800.00	4,719.68	4,803.35	4,732.78	20.98	20.35	120.92	-595.39	290.14	172.12	132.02	40.11	4.292		
4,900.00	4,817.14	4,903.27	4,830.42	21.50	20.85	120.71	-614.00	300.33	176.10	134.99	41.11	4.284		
5,000.00	4,914.61	5,003.19	4,928.06	22.02	21.35	120.51	-632.60	310.51	180.08	137.97	42.11	4.277		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	5,012.07	5,103.11	5,025.70	22.54	21.86	120.32	-651.21	320.70	184.06	140.95	43.11	4.270		
5,200.00	5,109.54	5,203.03	5,123.34	23.06	22.36	120.14	-669.82	330.89	188.04	143.93	44.11	4.263		
5,300.00	5,207.01	5,302.94	5,220.98	23.59	22.87	119.96	-688.43	341.08	192.03	146.91	45.12	4.256		
5,400.00	5,304.47	5,402.86	5,318.62	24.11	23.37	119.79	-707.04	351.27	196.01	149.89	46.12	4.250		
5,500.00	5,401.94	5,502.78	5,416.26	24.63	23.88	119.63	-725.65	361.46	200.00	152.87	47.13	4.244		
5,600.00	5,499.40	5,602.70	5,513.91	25.16	24.38	119.47	-744.25	371.65	203.99	155.85	48.13	4.238		
5,700.00	5,596.87	5,702.62	5,611.55	25.68	24.89	119.32	-762.86	381.84	207.98	158.84	49.14	4.232		
5,800.00	5,694.33	5,802.54	5,709.19	26.20	25.40	119.18	-781.47	392.03	211.97	161.82	50.15	4.227		
5,900.00	5,791.80	5,902.46	5,806.83	26.73	25.90	119.04	-800.08	402.22	215.96	164.81	51.16	4.222		
6,000.00	5,889.27	6,002.38	5,904.47	27.25	26.41	118.91	-818.69	412.41	219.96	167.79	52.17	4.216		
6,100.00	5,986.73	6,102.30	6,002.11	27.78	26.92	118.78	-837.30	422.60	223.95	170.78	53.18	4.211		
6,200.00	6,084.20	6,202.21	6,099.75	28.30	27.43	118.65	-855.90	432.79	227.95	173.76	54.19	4.207		
6,300.00	6,181.66	6,302.13	6,197.39	28.82	27.93	118.53	-874.51	442.98	231.95	176.75	55.20	4.202		
6,400.00	6,279.13	6,402.05	6,295.03	29.35	28.44	118.42	-893.12	453.16	235.95	179.74	56.21	4.198		
6,500.00	6,376.59	6,501.97	6,392.67	29.88	28.95	118.31	-911.73	463.35	239.95	182.72	57.22	4.193		
6,600.00	6,474.06	6,601.89	6,490.31	30.40	29.46	118.20	-930.34	473.54	243.95	185.71	58.24	4.189		
6,700.00	6,571.53	6,700.12	6,586.44	30.93	29.95	118.24	-948.06	483.25	248.16	188.95	59.21	4.191		
6,800.00	6,668.99	6,797.22	6,682.04	31.45	30.41	118.95	-962.91	491.38	253.40	193.35	60.05	4.220		
6,887.36	6,754.14	6,881.70	6,765.66	31.91	30.77	120.09	-973.52	497.19	258.94	198.28	60.66	4.269		
6,900.00	6,766.46	6,893.89	6,777.75	31.98	30.82	120.31	-974.88	497.93	259.81	199.07	60.74	4.277		
7,000.00	6,864.39	6,990.19	6,873.48	32.48	31.20	121.97	-983.97	502.91	266.49	205.17	61.32	4.346		
7,100.00	6,962.96	7,086.22	6,969.24	32.94	31.55	123.57	-990.22	506.33	272.78	210.96	61.82	4.412		
7,200.00	7,062.06	7,181.98	7,064.91	33.36	31.86	125.13	-993.65	508.21	278.67	216.44	62.24	4.478		
7,300.00	7,161.57	7,278.64	7,161.57	33.74	32.13	126.64	-994.38	508.61	284.11	221.52	62.58	4.540		
7,400.00	7,261.36	7,378.23	7,261.15	34.08	32.40	127.60	-995.02	508.61	287.99	224.96	63.03	4.569		
7,500.00	7,361.31	7,476.03	7,357.97	34.39	32.79	125.52	-1,007.95	508.69	290.19	226.09	64.10	4.527		
7,533.69	7,395.00	7,507.67	7,388.66	34.48	32.95	-94.80	-1,015.65	508.74	290.85	226.27	64.58	4.504		
7,600.00	7,461.31	7,567.00	7,444.86	34.65	33.28	-98.50	-1,034.59	508.85	293.33	227.77	65.56	4.474		
7,633.69	7,495.00	7,595.47	7,471.06	34.73	33.45	-100.64	-1,045.72	508.92	295.62	229.62	66.01	4.479		
7,650.00	7,511.31	7,608.90	7,483.22	34.78	33.54	78.51	-1,051.41	508.95	297.01	230.81	66.20	4.487		
7,700.00	7,561.16	7,649.41	7,519.04	34.94	33.82	74.97	-1,070.31	509.06	302.01	235.35	66.66	4.530		
7,750.00	7,610.51	7,689.02	7,552.69	35.14	34.11	71.63	-1,091.18	509.19	307.98	241.05	66.93	4.602		
7,800.00	7,658.98	7,727.83	7,584.20	35.37	34.42	68.50	-1,113.85	509.32	314.67	247.68	66.99	4.697		
7,850.00	7,706.21	7,765.95	7,613.57	35.64	34.74	65.59	-1,138.13	509.47	321.87	255.01	66.86	4.814		
7,900.00	7,751.82	7,803.46	7,640.84	35.93	35.07	62.93	-1,163.88	509.62	329.36	262.80	66.56	4.948		
7,950.00	7,795.49	7,840.44	7,666.01	36.26	35.41	60.51	-1,190.95	509.78	336.95	270.83	66.12	5.096		
8,000.00	7,836.86	7,876.94	7,689.10	36.62	35.76	58.32	-1,219.22	509.95	344.46	278.90	65.56	5.254		
8,050.00	7,875.64	7,913.04	7,710.11	37.00	36.12	56.37	-1,248.56	510.13	351.74	286.83	64.91	5.419		
8,100.00	7,911.52	7,950.00	7,729.67	37.42	36.50	54.61	-1,279.91	510.31	358.66	294.37	64.30	5.578		
8,150.00	7,944.22	7,984.21	7,745.94	37.86	36.87	53.14	-1,310.00	510.49	365.09	301.64	63.46	5.754		
8,200.00	7,973.51	8,019.38	7,760.77	38.32	37.26	51.84	-1,341.89	510.68	370.94	308.23	62.70	5.916		
8,250.00	7,999.16	8,054.33	7,773.53	38.81	37.65	50.75	-1,374.41	510.87	376.11	314.14	61.97	6.070		
8,300.00	8,020.98	8,089.10	7,784.24	39.31	38.05	49.84	-1,407.48	511.07	380.54	319.26	61.28	6.210		
8,350.00	8,038.79	8,123.71	7,792.89	39.84	38.45	49.12	-1,441.00	511.27	384.18	323.51	60.67	6.333		
8,400.00	8,052.46	8,158.22	7,799.48	40.38	38.86	48.59	-1,474.86	511.47	386.97	326.82	60.15	6.434		
8,450.00	8,061.89	8,192.64	7,804.02	40.93	39.27	48.22	-1,508.98	511.68	388.89	329.13	59.75	6.508		
8,500.00	8,067.01	8,227.01	7,806.49	41.49	39.68	48.03	-1,543.25	511.88	389.90	330.40	59.50	6.553		
8,533.77	8,068.00	8,252.50	7,807.00	41.88	39.99	48.00	-1,566.02	512.02	390.07	330.66	59.42	6.565		
8,600.00	8,068.00	8,316.02	7,807.00	42.64	40.76	48.00	-1,632.25	512.41	390.07	329.49	60.58	6.439		
8,700.00	8,068.00	8,416.02	7,807.00	43.82	42.01	48.00	-1,732.25	513.01	390.07	327.63	62.43	6.248		
8,800.00	8,068.00	8,516.02	7,807.00	45.04	43.29	48.00	-1,832.25	513.60	390.06	325.71	64.36	6.061		
8,900.00	8,067.99	8,616.02	7,806.99	46.30	44.61	48.00	-1,932.25	514.20	390.06	323.71	66.35	5.879		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance		Warning						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,000.00	8,067.99	8,716.02	7,806.99	47.59	45.96	48.00	-2,032.25	514.79	390.06	321.66	68.40	5.702		
9,100.00	8,067.99	8,816.02	7,806.99	48.91	47.34	48.00	-2,132.24	515.39	390.06	319.55	70.51	5.532		
9,200.00	8,067.99	8,916.02	7,806.99	50.26	48.74	48.00	-2,232.24	515.98	390.06	317.39	72.66	5.368		
9,300.00	8,067.99	9,016.02	7,806.99	51.63	50.16	48.00	-2,332.24	516.58	390.06	315.19	74.86	5.210		
9,400.00	8,067.99	9,116.02	7,806.99	53.03	51.61	48.00	-2,432.24	517.18	390.05	312.95	77.11	5.059		
9,500.00	8,067.98	9,216.02	7,806.99	54.44	53.08	48.00	-2,532.24	517.77	390.05	310.67	79.39	4.913		
9,600.00	8,067.98	9,316.02	7,806.98	55.88	54.56	48.00	-2,632.24	518.37	390.05	308.35	81.70	4.774		
9,700.00	8,067.98	9,416.02	7,806.98	57.34	56.06	48.00	-2,732.23	518.96	390.05	306.00	84.05	4.641		
9,800.00	8,067.98	9,516.02	7,806.98	58.81	57.58	48.00	-2,832.23	519.56	390.05	303.63	86.42	4.513		
9,900.00	8,067.98	9,616.02	7,806.98	60.31	59.11	48.00	-2,932.23	520.15	390.05	301.22	88.83	4.391		
10,000.00	8,067.98	9,716.02	7,806.98	61.81	60.66	48.00	-3,032.23	520.75	390.05	298.79	91.25	4.274		
10,100.00	8,067.98	9,816.02	7,806.98	63.33	62.21	48.00	-3,132.23	521.35	390.05	296.34	93.71	4.162		
10,200.00	8,067.97	9,916.02	7,806.97	64.86	63.78	48.00	-3,232.22	521.94	390.05	293.87	96.18	4.055		
10,300.00	8,067.97	10,016.02	7,806.97	66.41	65.36	48.00	-3,332.22	522.54	390.05	291.38	98.67	3.953		
10,400.00	8,067.97	10,116.02	7,806.97	67.96	66.95	48.00	-3,432.22	523.13	390.04	288.87	101.18	3.855		
10,500.00	8,067.97	10,216.02	7,806.97	69.53	68.54	48.00	-3,532.22	523.73	390.04	286.34	103.70	3.761		
10,600.00	8,067.97	10,316.02	7,806.97	71.10	70.15	48.00	-3,632.22	524.32	390.04	283.80	106.25	3.671		
10,700.00	8,067.97	10,416.02	7,806.97	72.69	71.76	48.00	-3,732.22	524.92	390.04	281.24	108.80	3.585		
10,800.00	8,067.97	10,516.02	7,806.97	74.28	73.38	48.00	-3,832.21	525.52	390.04	278.67	111.37	3.502		
10,900.00	8,067.97	10,616.02	7,806.96	75.88	75.01	48.00	-3,932.21	526.11	390.04	276.09	113.96	3.423		
10,999.93	8,067.97	10,715.95	7,806.96	77.49	76.64	48.00	-4,032.14	526.71	390.04	273.49	116.55	3.347		
11,000.00	8,067.97	10,716.02	7,806.96	77.49	76.64	48.00	-4,032.21	526.71	390.04	273.49	116.55	3.347		
11,100.00	8,067.97	10,816.02	7,806.96	79.10	78.28	48.00	-4,132.21	527.30	390.04	270.89	119.16	3.273		
11,200.00	8,067.96	10,916.02	7,806.96	80.73	79.93	48.00	-4,232.21	527.90	390.04	268.27	121.77	3.203		
11,300.00	8,067.96	11,016.02	7,806.96	82.35	81.58	48.00	-4,332.20	528.49	390.04	265.65	124.40	3.135		
11,400.00	8,067.96	11,116.02	7,806.96	83.99	83.24	48.00	-4,432.20	529.09	390.04	263.01	127.03	3.070		
11,500.00	8,067.96	11,216.02	7,806.95	85.63	84.90	48.00	-4,532.20	529.69	390.04	260.37	129.67	3.008		
11,600.00	8,067.96	11,316.02	7,806.95	87.27	86.56	48.00	-4,632.20	530.28	390.04	257.72	132.32	2.948		
11,700.00	8,067.96	11,416.02	7,806.95	88.92	88.23	48.00	-4,732.20	530.88	390.05	255.06	134.98	2.890		
11,800.00	8,067.96	11,516.02	7,806.95	90.58	89.90	48.00	-4,832.20	531.47	390.05	252.40	137.65	2.834		
11,900.00	8,067.96	11,616.02	7,806.95	92.23	91.58	48.00	-4,932.19	532.07	390.05	249.73	140.32	2.780		
12,000.00	8,067.96	11,716.02	7,806.95	93.90	93.26	48.00	-5,032.19	532.66	390.05	247.05	143.00	2.728		
12,100.00	8,067.96	11,816.02	7,806.95	95.56	94.95	48.00	-5,132.19	533.26	390.05	244.37	145.68	2.677		
12,200.00	8,067.96	11,916.02	7,806.94	97.23	96.63	48.00	-5,232.19	533.86	390.05	241.68	148.37	2.629		
12,300.00	8,067.96	12,016.02	7,806.94	98.91	98.32	48.00	-5,332.19	534.45	390.05	238.98	151.07	2.582		
12,400.00	8,067.96	12,116.02	7,806.94	100.59	100.02	48.00	-5,432.19	535.05	390.05	236.29	153.77	2.537		
12,500.00	8,067.96	12,216.02	7,806.94	102.27	101.71	48.00	-5,532.18	535.64	390.05	233.58	156.47	2.493		
12,600.00	8,067.96	12,316.02	7,806.94	103.95	103.41	48.00	-5,632.18	536.24	390.06	230.87	159.18	2.450		
12,700.00	8,067.96	12,416.02	7,806.94	105.64	105.11	48.00	-5,732.18	536.83	390.06	228.16	161.90	2.409		
12,800.00	8,067.96	12,516.02	7,806.93	107.33	106.81	48.00	-5,832.18	537.43	390.06	225.44	164.61	2.370		
12,900.00	8,067.96	12,616.02	7,806.93	109.02	108.52	48.00	-5,932.18	538.03	390.06	222.72	167.34	2.331		
13,000.00	8,067.96	12,716.02	7,806.93	110.71	110.23	48.00	-6,032.17	538.62	390.06	220.00	170.06	2.294		
13,100.00	8,067.96	12,816.02	7,806.93	112.41	111.94	48.00	-6,132.17	539.22	390.06	217.27	172.79	2.257		
13,200.00	8,067.96	12,916.02	7,806.93	114.11	113.65	48.00	-6,232.17	539.81	390.07	214.54	175.52	2.222		
13,300.00	8,067.96	13,016.02	7,806.93	115.81	115.36	48.00	-6,332.17	540.41	390.07	211.81	178.26	2.188		
13,400.00	8,067.96	13,116.02	7,806.93	117.52	117.08	48.00	-6,432.17	541.00	390.07	209.07	181.00	2.155		
13,500.00	8,067.96	13,216.02	7,806.92	119.22	118.79	48.00	-6,532.17	541.60	390.07	206.33	183.74	2.123		
13,600.00	8,067.96	13,316.02	7,806.92	120.93	120.51	48.00	-6,632.16	542.20	390.07	203.59	186.48	2.092		
13,700.00	8,067.96	13,416.02	7,806.92	122.64	122.23	48.00	-6,732.16	542.79	390.08	200.85	189.23	2.061		
13,800.00	8,067.96	13,516.02	7,806.92	124.35	123.95	48.00	-6,832.16	543.39	390.08	198.10	191.98	2.032		
13,900.00	8,067.96	13,616.02	7,806.92	126.06	125.68	48.00	-6,932.16	543.98	390.08	195.35	194.73	2.003		
14,000.00	8,067.96	13,716.02	7,806.92	127.78	127.40	48.00	-7,032.16	544.58	390.09	192.60	197.49	1.975		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	8,067.96	13,816.02	7,806.91	129.50	129.13	48.00	-7,132.16	545.17	390.09	189.84	200.25	1.948		
14,200.00	8,067.96	13,916.02	7,806.91	131.21	130.85	48.00	-7,232.15	545.77	390.09	187.09	203.00	1.922		
14,300.00	8,067.96	14,016.02	7,806.91	132.93	132.58	48.00	-7,332.15	546.37	390.09	184.33	205.77	1.896		
14,400.00	8,067.96	14,116.02	7,806.91	134.65	134.31	48.00	-7,432.15	546.96	390.10	181.57	208.53	1.871		
14,500.00	8,067.96	14,216.02	7,806.91	136.38	136.04	48.00	-7,532.15	547.56	390.10	178.81	211.29	1.846		
14,600.00	8,067.96	14,316.02	7,806.91	138.10	137.77	48.00	-7,632.15	548.15	390.10	176.04	214.06	1.822		
14,700.00	8,067.96	14,416.02	7,806.91	139.82	139.51	48.00	-7,732.14	548.75	390.11	173.28	216.83	1.799		
14,800.00	8,067.96	14,516.02	7,806.90	141.55	141.24	48.00	-7,832.14	549.34	390.11	170.51	219.60	1.776		
14,900.00	8,067.96	14,616.02	7,806.90	143.28	142.97	48.00	-7,932.14	549.94	390.11	167.74	222.37	1.754		
15,000.00	8,067.96	14,716.02	7,806.90	145.00	144.71	48.00	-8,032.14	550.53	390.12	164.97	225.15	1.733		
15,100.00	8,067.96	14,816.02	7,806.90	146.73	146.45	48.00	-8,132.14	551.13	390.12	162.20	227.92	1.712		
15,200.00	8,067.96	14,916.02	7,806.90	148.46	148.18	48.00	-8,232.14	551.73	390.13	159.43	230.70	1.691		
15,300.00	8,067.96	15,016.02	7,806.90	150.19	149.92	48.00	-8,332.13	552.32	390.13	156.65	233.48	1.671		
15,400.00	8,067.96	15,116.02	7,806.89	151.93	151.66	48.00	-8,432.13	552.92	390.13	153.88	236.26	1.651		
15,500.00	8,067.96	15,216.02	7,806.89	153.66	153.40	48.00	-8,532.13	553.51	390.14	151.10	239.04	1.632		
15,600.00	8,067.96	15,316.02	7,806.89	155.39	155.14	48.00	-8,632.13	554.11	390.14	148.32	241.82	1.613		
15,700.00	8,067.97	15,416.02	7,806.89	157.13	156.88	48.00	-8,732.13	554.70	390.15	145.54	244.60	1.595		
15,800.00	8,067.97	15,516.02	7,806.89	158.86	158.62	48.00	-8,832.13	555.30	390.15	142.76	247.39	1.577		
15,900.00	8,067.97	15,616.02	7,806.89	160.60	160.37	48.00	-8,932.12	555.90	390.16	139.98	250.17	1.560		
16,000.00	8,067.97	15,716.02	7,806.89	162.34	162.11	48.00	-9,032.12	556.49	390.16	137.20	252.96	1.542		
16,100.00	8,067.97	15,816.02	7,806.88	164.08	163.85	48.00	-9,132.12	557.09	390.16	134.41	255.75	1.526		
16,200.00	8,067.97	15,916.02	7,806.88	165.81	165.60	48.00	-9,232.12	557.68	390.17	131.63	258.54	1.509		
16,300.00	8,067.97	16,016.02	7,806.88	167.55	167.34	48.00	-9,332.12	558.28	390.17	128.85	261.33	1.493 Level 3		
16,400.00	8,067.97	16,116.02	7,806.88	169.29	169.09	48.00	-9,432.11	558.87	390.18	126.06	264.12	1.477 Level 3		
16,500.00	8,067.97	16,216.02	7,806.88	171.04	170.84	48.00	-9,532.11	559.47	390.18	123.27	266.91	1.462 Level 3		
16,600.00	8,067.98	16,316.02	7,806.88	172.78	172.58	48.00	-9,632.11	560.07	390.19	120.48	269.71	1.447 Level 3		
16,700.00	8,067.98	16,416.02	7,806.87	174.52	174.33	48.00	-9,732.11	560.66	390.19	117.69	272.50	1.432 Level 3		
16,800.00	8,067.98	16,516.02	7,806.87	176.26	176.08	48.00	-9,832.11	561.26	390.20	114.91	275.29	1.417 Level 3		
16,900.00	8,067.98	16,616.02	7,806.87	178.01	177.83	48.00	-9,932.11	561.85	390.21	112.11	278.09	1.403 Level 3		
17,000.00	8,067.98	16,716.02	7,806.87	179.75	179.58	48.00	-10,032.10	562.45	390.21	109.32	280.89	1.389 Level 3		
17,100.00	8,067.98	16,816.02	7,806.87	181.49	181.33	48.00	-10,132.10	563.04	390.22	106.53	283.68	1.376 Level 3		
17,200.00	8,067.98	16,916.02	7,806.87	183.24	183.08	48.00	-10,232.10	563.64	390.22	103.74	286.48	1.362 Level 3		
17,300.00	8,067.99	17,016.02	7,806.87	184.99	184.83	48.00	-10,332.10	564.24	390.23	100.95	289.28	1.349 Level 3		
17,400.00	8,067.99	17,116.02	7,806.86	186.73	186.58	48.00	-10,432.10	564.83	390.23	98.15	292.08	1.336 Level 3		
17,500.00	8,067.99	17,216.02	7,806.86	188.48	188.33	48.00	-10,532.10	565.43	390.24	95.36	294.88	1.323 Level 3		
17,600.00	8,067.99	17,316.02	7,806.86	190.23	190.08	48.00	-10,632.09	566.02	390.25	92.56	297.68	1.311 Level 3		
17,700.00	8,067.99	17,416.02	7,806.86	191.97	191.83	48.00	-10,732.09	566.62	390.25	89.77	300.49	1.299 Level 3		
17,800.00	8,067.99	17,516.02	7,806.86	193.72	193.58	48.00	-10,832.09	567.21	390.26	86.97	303.29	1.287 Level 3		
17,900.00	8,068.00	17,616.02	7,806.86	195.47	195.34	48.00	-10,932.09	567.81	390.27	84.17	306.09	1.275 Level 3		
18,000.00	8,068.00	17,716.02	7,806.85	197.22	197.09	48.00	-11,032.09	568.41	390.27	81.38	308.89	1.263 Level 3		
18,100.00	8,068.00	17,816.43	7,806.88	198.97	198.85	48.00	-11,132.50	569.00	390.26	78.52	311.74	1.252 Level 3		
18,184.63	8,068.00	17,901.07	7,807.00	200.45	200.33	48.02	-11,217.13	569.51	390.18	76.01	314.17	1.242 Level 2		
18,185.16	8,068.00	17,901.59	7,807.01	200.47	200.34	48.02	-11,217.65	569.52	390.18	76.00	314.18	1.242 Level 2, SF		

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	90.32	-0.20	35.99	35.99					
100.00	100.00	100.00	100.00	0.13	0.13	90.32	-0.20	35.99	35.99	35.72	0.27	133.868		
200.00	200.00	200.00	200.00	0.49	0.49	90.32	-0.20	35.99	35.99	35.01	0.99	36.509		
300.00	300.00	300.00	300.00	0.85	0.85	90.32	-0.20	35.99	35.99	34.29	1.70	21.137		
400.00	400.00	400.00	400.00	1.21	1.21	90.32	-0.20	35.99	35.99	33.57	2.42	14.874		
500.00	500.00	500.00	500.00	1.57	1.57	90.32	-0.20	35.99	35.99	32.85	3.14	11.474		
600.00	600.00	600.00	600.00	1.93	1.93	90.32	-0.20	35.99	35.99	32.14	3.85	9.340		
700.00	700.00	700.00	700.00	2.29	2.29	90.32	-0.20	35.99	35.99	31.42	4.57	7.875		
800.00	800.00	800.00	800.00	2.64	2.64	90.32	-0.20	35.99	35.99	30.70	5.29	6.807		
900.00	900.00	900.00	900.00	3.00	3.00	90.32	-0.20	35.99	35.99	29.99	6.00	5.994		
1,000.00	1,000.00	1,000.00	1,000.00	3.36	3.36	90.32	-0.20	35.99	35.99	29.27	6.72	5.355		
1,100.00	1,100.00	1,100.00	1,100.00	3.72	3.72	90.32	-0.20	35.99	35.99	28.55	7.44	4.839 CC, ES		
1,200.00	1,200.00	1,199.05	1,199.03	4.08	4.06	92.11	-1.37	37.24	37.28	29.14	8.13	4.582		
1,300.00	1,299.98	1,297.96	1,297.80	4.42	4.39	-46.04	-4.88	40.98	40.09	31.30	8.80	4.557		
1,400.00	1,399.84	1,396.75	1,396.22	4.75	4.73	-43.96	-10.71	47.19	43.28	33.84	9.45	4.582		
1,500.00	1,499.45	1,495.42	1,494.16	5.09	5.08	-42.65	-18.85	55.86	46.79	36.69	10.10	4.634		
1,600.00	1,598.70	1,593.96	1,591.52	5.44	5.44	-41.97	-29.27	66.96	50.56	39.81	10.75	4.702		
1,700.00	1,697.47	1,692.38	1,688.17	5.81	5.82	-41.80	-41.97	80.49	54.59	43.17	11.42	4.780		
1,800.00	1,795.62	1,790.68	1,784.01	6.19	6.23	-42.04	-56.90	96.40	58.87	46.76	12.11	4.863		
1,846.33	1,840.86	1,836.18	1,828.11	6.38	6.43	-42.26	-64.58	104.58	60.93	48.50	12.43	4.902		
1,900.00	1,893.17	1,889.23	1,879.31	6.60	6.67	-42.36	-74.07	114.70	63.69	50.87	12.82	4.967		
2,000.00	1,990.64	1,989.08	1,975.60	7.02	7.14	-42.40	-92.15	133.96	69.09	55.48	13.61	5.076		
2,100.00	2,088.10	2,088.94	2,071.90	7.46	7.62	-42.42	-110.23	153.22	74.49	60.07	14.41	5.168		
2,200.00	2,185.57	2,188.79	2,168.20	7.91	8.12	-42.44	-128.31	172.49	79.89	64.65	15.23	5.244		
2,300.00	2,283.03	2,288.65	2,264.49	8.37	8.63	-42.46	-146.39	191.75	85.29	69.22	16.07	5.308		
2,400.00	2,380.50	2,388.50	2,360.79	8.84	9.15	-42.48	-164.47	211.01	90.69	73.78	16.91	5.363		
2,500.00	2,477.97	2,488.35	2,457.08	9.32	9.68	-42.49	-182.55	230.27	96.08	78.32	17.76	5.409		
2,600.00	2,575.43	2,588.21	2,553.38	9.80	10.22	-42.51	-200.63	249.54	101.48	82.86	18.63	5.449		
2,700.00	2,672.90	2,688.06	2,649.68	10.28	10.76	-42.52	-218.71	268.80	106.88	87.39	19.49	5.483		
2,800.00	2,770.36	2,787.92	2,745.97	10.77	11.30	-42.53	-236.79	288.06	112.28	91.91	20.37	5.512		
2,900.00	2,867.83	2,887.77	2,842.27	11.26	11.85	-42.54	-254.87	307.32	117.68	96.43	21.25	5.538		
3,000.00	2,965.29	2,987.63	2,938.56	11.76	12.40	-42.55	-272.95	326.59	123.08	100.94	22.14	5.560		
3,100.00	3,062.76	3,087.48	3,034.86	12.26	12.96	-42.56	-291.03	345.85	128.48	105.45	23.03	5.580		
3,200.00	3,160.23	3,187.33	3,131.16	12.76	13.52	-42.57	-309.11	365.11	133.88	109.96	23.92	5.597		
3,300.00	3,257.69	3,287.19	3,227.45	13.27	14.08	-42.57	-327.19	384.37	139.28	114.46	24.82	5.612		
3,400.00	3,355.16	3,387.04	3,323.75	13.77	14.64	-42.58	-345.27	403.64	144.68	118.96	25.72	5.625		
3,500.00	3,452.62	3,486.90	3,420.04	14.28	15.21	-42.59	-363.35	422.90	150.08	123.45	26.62	5.637		
3,600.00	3,550.09	3,586.75	3,516.34	14.79	15.77	-42.59	-381.43	442.16	155.47	127.95	27.53	5.648		
3,700.00	3,647.55	3,686.60	3,612.64	15.30	16.34	-42.60	-399.51	461.42	160.87	132.44	28.43	5.658		
3,800.00	3,745.02	3,786.46	3,708.93	15.81	16.91	-42.60	-417.59	480.69	166.27	136.93	29.34	5.666		
3,900.00	3,842.49	3,886.31	3,805.23	16.32	17.48	-42.61	-435.67	499.95	171.67	141.42	30.26	5.674		
4,000.00	3,939.95	3,986.17	3,901.52	16.84	18.06	-42.61	-453.75	519.21	177.07	145.90	31.17	5.681		
4,100.00	4,037.42	4,086.02	3,997.82	17.35	18.63	-42.62	-471.83	538.48	182.47	150.38	32.08	5.687		
4,200.00	4,134.88	4,185.88	4,094.12	17.87	19.20	-42.62	-489.91	557.74	187.87	154.87	33.00	5.693		
4,300.00	4,232.35	4,285.73	4,190.41	18.39	19.78	-42.62	-507.99	577.00	193.27	159.35	33.92	5.698		
4,400.00	4,329.81	4,385.58	4,286.71	18.90	20.36	-42.63	-526.07	596.26	198.67	163.83	34.84	5.703		
4,500.00	4,427.28	4,485.44	4,383.00	19.42	20.93	-42.63	-544.15	615.53	204.07	168.31	35.76	5.707		
4,600.00	4,524.75	4,585.29	4,479.30	19.94	21.51	-42.63	-562.23	634.79	209.46	172.79	36.68	5.711		
4,700.00	4,622.21	4,685.15	4,575.59	20.46	22.09	-42.64	-580.31	654.05	214.86	177.26	37.60	5.714		
4,800.00	4,719.68	4,785.00	4,671.89	20.98	22.67	-42.64	-598.39	673.31	220.26	181.74	38.52	5.718		
4,900.00	4,817.14	4,884.85	4,768.19	21.50	23.24	-42.64	-616.47	692.58	225.66	186.22	39.45	5.721		
5,000.00	4,914.61	4,984.71	4,864.48	22.02	23.82	-42.64	-634.55	711.84	231.06	190.69	40.37	5.723		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	5,012.07	5,084.56	4,960.78	22.54	24.40	-42.65	-652.63	731.10	236.46	195.16	41.30	5.726		
5,200.00	5,109.54	5,184.42	5,057.07	23.06	24.98	-42.65	-670.71	750.36	241.86	199.64	42.22	5.728		
5,300.00	5,207.01	5,284.27	5,153.37	23.59	25.56	-42.65	-688.79	769.63	247.26	204.11	43.15	5.730		
5,400.00	5,304.47	5,384.13	5,249.67	24.11	26.15	-42.65	-706.87	788.89	252.66	208.58	44.07	5.732		
5,500.00	5,401.94	5,483.98	5,345.96	24.63	26.73	-42.66	-724.95	808.15	258.06	213.05	45.00	5.734		
5,600.00	5,499.40	5,583.83	5,442.26	25.16	27.31	-42.66	-743.03	827.42	263.46	217.52	45.93	5.736		
5,700.00	5,596.87	5,683.69	5,538.55	25.68	27.89	-42.66	-761.11	846.68	268.85	222.00	46.86	5.738		
5,800.00	5,694.33	5,783.54	5,634.85	26.20	28.47	-42.66	-779.19	865.94	274.25	226.47	47.79	5.739		
5,900.00	5,791.80	5,883.40	5,731.15	26.73	29.06	-42.66	-797.27	885.20	279.65	230.94	48.72	5.740		
6,000.00	5,889.27	5,983.25	5,827.44	27.25	29.64	-42.66	-815.35	904.47	285.05	235.40	49.65	5.742		
6,100.00	5,986.73	6,083.10	5,923.74	27.78	30.22	-42.67	-833.43	923.73	290.45	239.87	50.58	5.743		
6,200.00	6,084.20	6,182.96	6,020.03	28.30	30.80	-42.67	-851.51	942.99	295.85	244.34	51.51	5.744		
6,300.00	6,181.66	6,282.81	6,116.33	28.82	31.39	-42.67	-869.59	962.25	301.25	248.81	52.44	5.745		
6,400.00	6,279.13	6,382.67	6,212.63	29.35	31.97	-42.67	-887.67	981.52	306.65	253.28	53.37	5.746		
6,500.00	6,376.59	6,482.52	6,308.92	29.88	32.56	-42.67	-905.75	1,000.78	312.05	257.75	54.30	5.747		
6,600.00	6,474.06	6,585.39	6,408.18	30.40	33.15	-42.69	-924.25	1,020.49	317.30	262.03	55.27	5.741		
6,700.00	6,571.53	6,695.35	6,515.06	30.93	33.75	-43.04	-941.91	1,039.31	320.18	263.82	56.36	5.681		
6,800.00	6,668.99	6,805.25	6,622.80	31.45	34.30	-43.82	-956.75	1,055.12	319.97	262.48	57.49	5.566		
6,887.36	6,754.14	6,900.98	6,717.25	31.91	34.73	-44.87	-967.36	1,066.42	317.31	258.79	58.52	5.423		
6,900.00	6,766.46	6,914.79	6,730.92	31.98	34.78	-45.04	-968.72	1,067.86	316.76	258.09	58.66	5.399		
7,000.00	6,864.39	7,023.91	6,839.22	32.48	35.22	-46.39	-977.81	1,077.55	312.18	252.37	59.81	5.219		
7,100.00	6,962.96	7,132.66	6,947.58	32.94	35.60	-47.74	-984.06	1,084.21	307.20	246.32	60.88	5.046		
7,200.00	7,062.06	7,241.05	7,055.85	33.36	35.93	-49.09	-987.49	1,087.86	301.82	239.95	61.87	4.878		
7,300.00	7,161.57	7,346.78	7,161.57	33.74	36.20	-50.40	-988.22	1,088.64	296.15	233.34	62.81	4.715		
7,400.00	7,261.36	7,446.49	7,261.27	34.08	36.45	-51.18	-988.87	1,088.65	292.10	228.44	63.66	4.589		
7,495.77	7,357.07	7,540.68	7,354.56	34.38	36.77	-49.19	-1,001.05	1,088.72	290.56	226.72	63.83	4.552		
7,500.00	7,361.31	7,544.74	7,358.52	34.39	36.79	-49.02	-1,001.91	1,088.72	290.56	226.74	63.82	4.553		
7,533.69	7,395.00	7,576.51	7,389.33	34.48	36.93	93.62	-1,009.68	1,088.77	290.91	227.20	63.71	4.566		
7,600.00	7,461.31	7,636.07	7,445.72	34.65	37.22	97.35	-1,028.77	1,088.88	293.21	229.90	63.31	4.632		
7,633.69	7,495.00	7,664.63	7,471.98	34.73	37.37	99.51	-1,039.98	1,088.95	295.40	232.36	63.04	4.686		
7,650.00	7,511.31	7,678.10	7,484.17	34.78	37.45	-78.95	-1,045.71	1,088.99	296.74	233.82	62.91	4.717		
7,700.00	7,561.16	7,718.72	7,520.06	34.94	37.69	-75.40	-1,064.73	1,089.10	301.61	239.01	62.60	4.818		
7,750.00	7,610.51	7,758.43	7,553.75	35.14	37.94	-72.03	-1,085.73	1,089.23	307.47	245.09	62.38	4.929		
7,800.00	7,658.98	7,797.34	7,585.27	35.37	38.21	-68.88	-1,108.52	1,089.36	314.08	251.87	62.21	5.049		
7,850.00	7,706.21	7,835.53	7,614.65	35.64	38.49	-65.95	-1,132.92	1,089.51	321.23	259.16	62.07	5.175		
7,900.00	7,751.82	7,873.11	7,641.90	35.93	38.77	-63.26	-1,158.79	1,089.66	328.69	266.75	61.94	5.306		
7,950.00	7,795.49	7,910.15	7,667.04	36.26	39.07	-60.81	-1,185.97	1,089.83	336.28	274.45	61.82	5.439		
8,000.00	7,836.86	7,946.70	7,690.08	36.62	39.38	-58.60	-1,214.34	1,090.00	343.80	282.09	61.72	5.571		
8,050.00	7,875.64	7,982.84	7,711.04	37.00	39.69	-56.62	-1,243.78	1,090.17	351.12	289.49	61.63	5.697		
8,100.00	7,911.52	8,018.62	7,729.92	37.42	40.02	-54.87	-1,274.17	1,090.36	358.08	296.49	61.59	5.814		
8,150.00	7,944.22	8,054.09	7,746.72	37.86	40.35	-53.34	-1,305.39	1,090.54	364.58	302.96	61.61	5.917		
8,200.00	7,973.51	8,089.29	7,761.46	38.32	40.69	-52.02	-1,337.35	1,090.74	370.50	308.77	61.72	6.002		
8,250.00	7,999.16	8,124.26	7,774.13	38.81	41.04	-50.90	-1,369.94	1,090.93	375.75	313.81	61.94	6.066		
8,300.00	8,020.98	8,159.05	7,784.74	39.31	41.39	-49.97	-1,403.06	1,091.13	380.28	317.99	62.29	6.105		
8,350.00	8,038.79	8,193.68	7,793.29	39.84	41.75	-49.23	-1,436.62	1,091.33	384.01	321.22	62.79	6.116		
8,400.00	8,052.46	8,228.20	7,799.78	40.38	42.11	-48.67	-1,470.51	1,091.53	386.91	323.45	63.45	6.097		
8,450.00	8,061.89	8,262.63	7,804.20	40.93	42.48	-48.29	-1,504.65	1,091.74	388.93	324.63	64.30	6.049		
8,500.00	8,067.01	8,300.00	7,806.68	41.49	42.88	-48.07	-1,541.93	1,091.96	390.07	324.80	65.28	5.976		
8,533.77	8,068.00	8,320.62	7,807.00	41.88	43.10	-48.03	-1,562.55	1,092.09	390.30	324.18	66.12	5.903		
8,600.00	8,068.00	8,386.85	7,807.00	42.64	43.83	-48.03	-1,628.78	1,092.48	390.30	322.93	67.38	5.793		
8,700.00	8,068.00	8,486.85	7,807.00	43.82	44.97	-48.03	-1,728.78	1,093.08	390.31	320.98	69.32	5.630		
8,800.00	8,068.00	8,586.85	7,806.99	45.04	46.15	-48.03	-1,828.78	1,093.68	390.31	318.98	71.33	5.472		

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



# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
8,900.00	8,067.99	8,686.85	7,806.99	46.30	47.36	-48.03	-1,928.78	1,094.28	390.32	316.93	73.39	5.318		
9,000.00	8,067.99	8,786.85	7,806.99	47.59	48.61	-48.03	-2,028.78	1,094.88	390.32	314.82	75.50	5.170		
9,100.00	8,067.99	8,886.85	7,806.99	48.91	49.90	-48.04	-2,128.77	1,095.48	390.33	312.67	77.66	5.026		
9,200.00	8,067.99	8,986.85	7,806.98	50.26	51.21	-48.04	-2,228.77	1,096.08	390.34	310.47	79.86	4.888		
9,300.00	8,067.99	9,086.85	7,806.98	51.63	52.54	-48.04	-2,328.77	1,096.68	390.34	308.24	82.10	4.754		
9,400.00	8,067.99	9,186.85	7,806.98	53.03	53.91	-48.04	-2,428.77	1,097.28	390.35	305.97	84.38	4.626		
9,500.00	8,067.98	9,286.85	7,806.98	54.44	55.29	-48.04	-2,528.77	1,097.88	390.35	303.66	86.69	4.503		
9,600.00	8,067.98	9,386.85	7,806.97	55.88	56.70	-48.04	-2,628.77	1,098.48	390.36	301.33	89.03	4.385		
9,700.00	8,067.98	9,486.85	7,806.97	57.34	58.13	-48.04	-2,728.76	1,099.08	390.36	298.96	91.40	4.271		
9,800.00	8,067.98	9,586.85	7,806.97	58.81	59.57	-48.04	-2,828.76	1,099.68	390.37	296.57	93.79	4.162		
9,900.00	8,067.98	9,686.85	7,806.97	60.31	61.04	-48.04	-2,928.76	1,100.28	390.37	294.16	96.21	4.057		
10,000.00	8,067.98	9,786.85	7,806.96	61.81	62.52	-48.04	-3,028.76	1,100.88	390.38	291.72	98.65	3.957		
10,100.00	8,067.98	9,886.85	7,806.96	63.33	64.01	-48.04	-3,128.76	1,101.48	390.38	289.26	101.12	3.861		
10,200.00	8,067.97	9,986.85	7,806.96	64.86	65.52	-48.04	-3,228.75	1,102.08	390.39	286.79	103.60	3.768		
10,300.00	8,067.97	10,086.85	7,806.96	66.41	67.04	-48.04	-3,328.75	1,102.68	390.39	284.29	106.10	3.679		
10,400.00	8,067.97	10,186.85	7,806.96	67.96	68.57	-48.04	-3,428.75	1,103.28	390.39	281.78	108.62	3.594		
10,500.00	8,067.97	10,286.85	7,806.95	69.53	70.12	-48.04	-3,528.75	1,103.88	390.40	279.25	111.15	3.512		
10,600.00	8,067.97	10,386.85	7,806.95	71.10	71.68	-48.04	-3,628.75	1,104.48	390.40	276.71	113.69	3.434		
10,700.00	8,067.97	10,486.85	7,806.95	72.69	73.24	-48.04	-3,728.75	1,105.08	390.41	274.15	116.26	3.358		
10,800.00	8,067.97	10,586.85	7,806.95	74.28	74.81	-48.04	-3,828.74	1,105.68	390.41	271.58	118.83	3.286		
10,900.00	8,067.97	10,686.85	7,806.94	75.88	76.40	-48.04	-3,928.74	1,106.28	390.42	269.00	121.41	3.216		
11,000.00	8,067.97	10,786.85	7,806.94	77.49	77.99	-48.04	-4,028.74	1,106.88	390.42	266.41	124.01	3.148		
11,100.00	8,067.97	10,886.85	7,806.94	79.10	79.59	-48.04	-4,128.74	1,107.48	390.43	263.81	126.62	3.084		
11,200.00	8,067.96	10,986.85	7,806.94	80.73	81.20	-48.04	-4,228.74	1,108.08	390.43	261.20	129.23	3.021		
11,300.00	8,067.96	11,086.85	7,806.93	82.35	82.81	-48.04	-4,328.73	1,108.68	390.44	258.58	131.86	2.961		
11,400.00	8,067.96	11,186.85	7,806.93	83.99	84.43	-48.04	-4,428.73	1,109.28	390.44	255.95	134.49	2.903		
11,500.00	8,067.96	11,286.85	7,806.93	85.63	86.05	-48.04	-4,528.73	1,109.88	390.44	253.31	137.14	2.847		
11,600.00	8,067.96	11,386.85	7,806.93	87.27	87.69	-48.04	-4,628.73	1,110.48	390.45	250.66	139.79	2.793		
11,700.00	8,067.96	11,486.85	7,806.92	88.92	89.32	-48.04	-4,728.73	1,111.08	390.45	248.01	142.45	2.741		
11,800.00	8,067.96	11,586.85	7,806.92	90.58	90.96	-48.04	-4,828.73	1,111.68	390.46	245.35	145.11	2.691		
11,900.00	8,067.96	11,686.85	7,806.92	92.23	92.61	-48.05	-4,928.72	1,112.28	390.46	242.68	147.78	2.642		
12,000.00	8,067.96	11,786.85	7,806.92	93.90	94.26	-48.05	-5,028.72	1,112.88	390.47	240.00	150.46	2.595		
12,100.00	8,067.96	11,886.85	7,806.91	95.56	95.92	-48.05	-5,128.72	1,113.48	390.47	237.33	153.14	2.550		
12,200.00	8,067.96	11,986.85	7,806.91	97.23	97.58	-48.05	-5,228.72	1,114.08	390.47	234.64	155.83	2.506		
12,300.00	8,067.96	12,086.85	7,806.91	98.91	99.24	-48.05	-5,328.72	1,114.68	390.48	231.95	158.53	2.463		
12,400.00	8,067.96	12,186.85	7,806.91	100.59	100.91	-48.05	-5,428.71	1,115.28	390.48	229.25	161.23	2.422		
12,500.00	8,067.96	12,286.85	7,806.90	102.27	102.58	-48.05	-5,528.71	1,115.88	390.48	226.55	163.93	2.382		
12,600.00	8,067.96	12,386.85	7,806.90	103.95	104.25	-48.05	-5,628.71	1,116.48	390.49	223.85	166.64	2.343		
12,700.00	8,067.96	12,486.85	7,806.90	105.64	105.93	-48.05	-5,728.71	1,117.08	390.49	221.14	169.35	2.306		
12,800.00	8,067.96	12,586.85	7,806.90	107.33	107.61	-48.05	-5,828.71	1,117.68	390.50	218.43	172.07	2.269		
12,900.00	8,067.96	12,686.85	7,806.89	109.02	109.30	-48.05	-5,928.71	1,118.28	390.50	215.71	174.79	2.234		
13,000.00	8,067.96	12,786.85	7,806.89	110.71	110.98	-48.05	-6,028.70	1,118.88	390.50	212.99	177.51	2.200		
13,100.00	8,067.96	12,886.85	7,806.89	112.41	112.67	-48.05	-6,128.70	1,119.48	390.51	210.26	180.24	2.167		
13,200.00	8,067.96	12,986.85	7,806.89	114.11	114.36	-48.05	-6,228.70	1,120.08	390.51	207.54	182.97	2.134		
13,300.00	8,067.96	13,086.85	7,806.89	115.81	116.06	-48.05	-6,328.70	1,120.67	390.51	204.81	185.71	2.103		
13,400.00	8,067.96	13,186.85	7,806.88	117.52	117.75	-48.05	-6,428.70	1,121.27	390.52	202.07	188.45	2.072		
13,500.00	8,067.96	13,286.85	7,806.88	119.22	119.45	-48.05	-6,528.69	1,121.87	390.52	199.33	191.19	2.043		
13,600.00	8,067.96	13,386.85	7,806.88	120.93	121.15	-48.05	-6,628.69	1,122.47	390.52	196.59	193.93	2.014		
13,700.00	8,067.96	13,486.85	7,806.88	122.64	122.86	-48.05	-6,728.69	1,123.07	390.53	193.85	196.68	1.986		
13,800.00	8,067.96	13,586.85	7,806.87	124.35	124.56	-48.05	-6,828.69	1,123.67	390.53	191.10	199.43	1.958		
13,900.00	8,067.96	13,686.85	7,806.87	126.06	126.27	-48.05	-6,928.69	1,124.27	390.53	188.36	202.18	1.932		
14,000.00	8,067.96	13,786.85	7,806.87	127.78	127.98	-48.05	-7,028.69	1,124.87	390.54	185.61	204.93	1.906		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	8,067.96	13,886.85	7,806.87	129.50	129.69	-48.05	-7,128.68	1,125.47	390.54	182.85	207.69	1.880		
14,200.00	8,067.96	13,986.85	7,806.86	131.21	131.40	-48.05	-7,228.68	1,126.07	390.54	180.10	210.45	1.856		
14,300.00	8,067.96	14,086.85	7,806.86	132.93	133.11	-48.05	-7,328.68	1,126.67	390.55	177.34	213.21	1.832		
14,400.00	8,067.96	14,186.85	7,806.86	134.65	134.83	-48.05	-7,428.68	1,127.27	390.55	174.58	215.97	1.808		
14,500.00	8,067.96	14,286.85	7,806.86	136.38	136.54	-48.05	-7,528.68	1,127.87	390.55	171.82	218.73	1.786		
14,600.00	8,067.96	14,386.85	7,806.85	138.10	138.26	-48.05	-7,628.68	1,128.47	390.56	169.06	221.50	1.763		
14,700.00	8,067.96	14,486.85	7,806.85	139.82	139.98	-48.04	-7,728.67	1,129.07	390.56	166.29	224.27	1.741		
14,800.00	8,067.96	14,586.85	7,806.85	141.55	141.70	-48.04	-7,828.67	1,129.67	390.56	163.52	227.04	1.720		
14,900.00	8,067.96	14,686.85	7,806.85	143.28	143.42	-48.04	-7,928.67	1,130.27	390.57	160.76	229.81	1.700		
15,000.00	8,067.96	14,786.85	7,806.84	145.00	145.15	-48.04	-8,028.67	1,130.87	390.57	157.98	232.58	1.679		
15,100.00	8,067.96	14,886.85	7,806.84	146.73	146.87	-48.04	-8,128.67	1,131.47	390.57	155.21	235.36	1.659		
15,200.00	8,067.96	14,986.85	7,806.84	148.46	148.60	-48.04	-8,228.66	1,132.07	390.57	152.44	238.13	1.640		
15,300.00	8,067.96	15,086.85	7,806.84	150.19	150.33	-48.04	-8,328.66	1,132.67	390.58	149.66	240.91	1.621		
15,400.00	8,067.96	15,186.85	7,806.83	151.93	152.05	-48.04	-8,428.66	1,133.27	390.58	146.89	243.69	1.603		
15,500.00	8,067.96	15,286.85	7,806.83	153.66	153.78	-48.04	-8,528.66	1,133.87	390.58	144.11	246.47	1.585		
15,600.00	8,067.96	15,386.85	7,806.83	155.39	155.51	-48.04	-8,628.66	1,134.47	390.58	141.33	249.25	1.567		
15,700.00	8,067.97	15,486.85	7,806.83	157.13	157.24	-48.04	-8,728.66	1,135.07	390.59	138.55	252.04	1.550		
15,800.00	8,067.97	15,586.85	7,806.82	158.86	158.97	-48.04	-8,828.65	1,135.67	390.59	135.77	254.82	1.533		
15,900.00	8,067.97	15,686.85	7,806.82	160.60	160.71	-48.04	-8,928.65	1,136.27	390.59	132.99	257.60	1.516		
16,000.00	8,067.97	15,786.85	7,806.82	162.34	162.44	-48.04	-9,028.65	1,136.87	390.59	130.20	260.39	1.500		
16,100.00	8,067.97	15,886.85	7,806.82	164.08	164.17	-48.04	-9,128.65	1,137.47	390.60	127.42	263.18	1.484	Level 3	
16,200.00	8,067.97	15,986.85	7,806.82	165.81	165.91	-48.04	-9,228.65	1,138.07	390.60	124.63	265.97	1.469	Level 3	
16,300.00	8,067.97	16,086.85	7,806.81	167.55	167.65	-48.04	-9,328.64	1,138.67	390.60	121.85	268.76	1.453	Level 3	
16,400.00	8,067.97	16,186.85	7,806.81	169.29	169.38	-48.04	-9,428.64	1,139.27	390.60	119.06	271.55	1.438	Level 3	
16,500.00	8,067.97	16,286.85	7,806.81	171.04	171.12	-48.04	-9,528.64	1,139.87	390.61	116.27	274.34	1.424	Level 3	
16,600.00	8,067.98	16,386.85	7,806.81	172.78	172.86	-48.04	-9,628.64	1,140.47	390.61	113.48	277.13	1.409	Level 3	
16,700.00	8,067.98	16,486.85	7,806.80	174.52	174.60	-48.04	-9,728.64	1,141.07	390.61	110.69	279.92	1.395	Level 3	
16,800.00	8,067.98	16,586.85	7,806.80	176.26	176.34	-48.04	-9,828.64	1,141.67	390.61	107.90	282.72	1.382	Level 3	
16,900.00	8,067.98	16,686.85	7,806.80	178.01	178.08	-48.04	-9,928.63	1,142.27	390.61	105.10	285.51	1.368	Level 3	
17,000.00	8,067.98	16,786.85	7,806.80	179.75	179.82	-48.04	-10,028.63	1,142.87	390.62	102.31	288.31	1.355	Level 3	
17,100.00	8,067.98	16,886.85	7,806.79	181.49	181.56	-48.04	-10,128.63	1,143.47	390.62	99.52	291.10	1.342	Level 3	
17,200.00	8,067.98	16,986.85	7,806.79	183.24	183.30	-48.04	-10,228.63	1,144.07	390.62	96.72	293.90	1.329	Level 3	
17,300.00	8,067.99	17,086.85	7,806.79	184.99	185.05	-48.04	-10,328.63	1,144.67	390.62	93.92	296.70	1.317	Level 3	
17,400.00	8,067.99	17,186.85	7,806.79	186.73	186.79	-48.04	-10,428.62	1,145.27	390.62	91.13	299.50	1.304	Level 3	
17,500.00	8,067.99	17,286.85	7,806.78	188.48	188.53	-48.03	-10,528.62	1,145.87	390.63	88.33	302.29	1.292	Level 3	
17,600.00	8,067.99	17,386.85	7,806.78	190.23	190.28	-48.03	-10,628.62	1,146.47	390.63	85.53	305.09	1.280	Level 3	
17,700.00	8,067.99	17,486.85	7,806.78	191.97	192.02	-48.03	-10,728.62	1,147.07	390.63	82.73	307.89	1.269	Level 3	
17,800.00	8,067.99	17,586.85	7,806.78	193.72	193.77	-48.03	-10,828.62	1,147.67	390.63	79.94	310.70	1.257	Level 3	
17,900.00	8,068.00	17,686.85	7,806.77	195.47	195.51	-48.03	-10,928.62	1,148.27	390.63	77.14	313.50	1.246	Level 2	
18,000.00	8,068.00	17,786.85	7,806.77	197.22	197.26	-48.03	-11,028.61	1,148.87	390.63	74.33	316.30	1.235	Level 2	
18,100.00	8,068.00	17,886.85	7,806.77	198.97	199.01	-48.03	-11,128.61	1,149.47	390.64	71.53	319.10	1.224	Level 2	
18,184.63	8,068.00	17,972.92	7,807.00	200.45	200.51	-48.04	-11,214.67	1,149.83	390.37	68.92	321.45	1.214	Level 2	
18,185.16	8,068.00	17,973.44	7,807.00	200.47	200.52	-48.04	-11,215.20	1,149.83	390.37	68.91	321.47	1.214	Level 2, SF	

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	90.32	-0.40	71.98	71.98					
100.00	100.00	100.00	100.00	0.13	0.13	90.32	-0.40	71.98	71.98	71.71	0.27	267.725		
200.00	200.00	200.00	200.00	0.49	0.49	90.32	-0.40	71.98	71.98	70.99	0.99	73.016		
300.00	300.00	300.00	300.00	0.85	0.85	90.32	-0.40	71.98	71.98	70.28	1.70	42.272		
400.00	400.00	400.00	400.00	1.21	1.21	90.32	-0.40	71.98	71.98	69.56	2.42	29.747		
500.00	500.00	500.00	500.00	1.57	1.57	90.32	-0.40	71.98	71.98	68.84	3.14	22.948		
600.00	600.00	600.00	600.00	1.93	1.93	90.32	-0.40	71.98	71.98	68.13	3.85	18.679		
700.00	700.00	700.00	700.00	2.29	2.29	90.32	-0.40	71.98	71.98	67.41	4.57	15.749		
800.00	800.00	800.00	800.00	2.64	2.64	90.32	-0.40	71.98	71.98	66.69	5.29	13.613		
900.00	900.00	900.00	900.00	3.00	3.00	90.32	-0.40	71.98	71.98	65.97	6.00	11.988		
1,000.00	1,000.00	1,000.00	1,000.00	3.36	3.36	90.32	-0.40	71.98	71.98	65.26	6.72	10.709 CC, ES		
1,100.00	1,100.00	1,097.99	1,097.97	3.72	3.70	91.10	-1.41	73.32	73.36	65.94	7.42	9.893		
1,200.00	1,200.00	1,195.74	1,195.59	4.08	4.03	93.28	-4.42	77.32	77.57	69.47	8.09	9.584		
1,300.00	1,299.98	1,293.20	1,292.69	4.42	4.36	-45.48	-9.42	83.95	83.56	74.81	8.75	9.549		
1,400.00	1,399.84	1,390.42	1,389.21	4.75	4.71	-43.86	-16.39	93.19	90.11	80.72	9.39	9.594		
1,500.00	1,499.45	1,487.39	1,485.04	5.09	5.07	-42.87	-25.30	105.01	97.13	87.10	10.04	9.678		
1,600.00	1,598.70	1,584.12	1,580.09	5.44	5.45	-42.40	-36.12	119.37	104.56	93.88	10.68	9.786		
1,700.00	1,697.47	1,680.61	1,674.22	5.81	5.85	-42.35	-48.83	136.24	112.39	101.04	11.34	9.907		
1,800.00	1,795.62	1,776.83	1,767.35	6.19	6.29	-42.63	-63.41	155.57	120.59	108.56	12.02	10.031		
1,846.33	1,840.86	1,821.33	1,810.13	6.38	6.50	-42.85	-70.78	165.36	124.51	112.17	12.34	10.090		
1,900.00	1,893.17	1,873.15	1,859.70	6.60	6.75	-43.10	-79.86	177.41	129.51	116.79	12.73	10.178		
2,000.00	1,990.64	1,972.66	1,954.73	7.02	7.27	-43.40	-97.64	200.99	139.35	125.83	13.52	10.304		
2,100.00	2,088.10	2,072.17	2,049.75	7.46	7.80	-43.66	-115.42	224.58	149.20	134.85	14.34	10.402		
2,200.00	2,185.57	2,171.69	2,144.78	7.91	8.35	-43.88	-133.19	248.16	159.04	143.87	15.18	10.478		
2,300.00	2,283.03	2,271.20	2,239.81	8.37	8.90	-44.08	-150.97	271.75	168.89	152.86	16.03	10.536		
2,400.00	2,380.50	2,370.71	2,334.84	8.84	9.47	-44.26	-168.75	295.33	178.74	161.85	16.89	10.581		
2,500.00	2,477.97	2,470.22	2,429.87	9.32	10.05	-44.42	-186.52	318.92	188.60	170.83	17.77	10.616		
2,600.00	2,575.43	2,569.73	2,524.90	9.80	10.64	-44.56	-204.30	342.51	198.45	179.80	18.65	10.642		
2,700.00	2,672.90	2,669.25	2,619.92	10.28	11.23	-44.69	-222.07	366.09	208.30	188.77	19.54	10.661		
2,800.00	2,770.36	2,768.76	2,714.95	10.77	11.82	-44.81	-239.85	389.68	218.16	197.72	20.44	10.675		
2,900.00	2,867.83	2,868.27	2,809.98	11.26	12.42	-44.92	-257.63	413.26	228.02	206.68	21.34	10.685		
3,000.00	2,965.29	2,967.78	2,905.01	11.76	13.02	-45.02	-275.40	436.85	237.87	215.62	22.25	10.692		
3,100.00	3,062.76	3,067.30	3,000.04	12.26	13.63	-45.11	-293.18	460.44	247.73	224.57	23.16	10.695		
3,200.00	3,160.23	3,166.81	3,095.07	12.76	14.24	-45.20	-310.96	484.02	257.59	233.51	24.08	10.697		
3,300.00	3,257.69	3,266.32	3,190.09	13.27	14.85	-45.27	-328.73	507.61	267.45	242.44	25.00	10.696		
3,400.00	3,355.16	3,365.83	3,285.12	13.77	15.47	-45.35	-346.51	531.19	277.31	251.38	25.93	10.695		
3,500.00	3,452.62	3,465.34	3,380.15	14.28	16.08	-45.42	-364.29	554.78	287.17	260.31	26.86	10.692		
3,600.00	3,550.09	3,564.86	3,475.18	14.79	16.70	-45.48	-382.06	578.37	297.03	269.24	27.79	10.689		
3,700.00	3,647.55	3,664.37	3,570.21	15.30	17.32	-45.54	-399.84	601.95	306.89	278.16	28.72	10.684		
3,800.00	3,745.02	3,763.88	3,665.24	15.81	17.94	-45.59	-417.62	625.54	316.75	287.09	29.66	10.679		
3,900.00	3,842.49	3,863.39	3,760.26	16.32	18.56	-45.64	-435.39	649.12	326.61	296.01	30.60	10.674		
4,000.00	3,939.95	3,962.91	3,855.29	16.84	19.19	-45.69	-453.17	672.71	336.47	304.93	31.54	10.668		
4,100.00	4,037.42	4,062.42	3,950.32	17.35	19.81	-45.74	-470.95	696.29	346.33	313.85	32.48	10.663		
4,200.00	4,134.88	4,161.93	4,045.35	17.87	20.43	-45.78	-488.72	719.88	356.19	322.77	33.42	10.657		
4,300.00	4,232.35	4,261.44	4,140.38	18.39	21.06	-45.82	-506.50	743.47	366.05	331.68	34.37	10.650		
4,400.00	4,329.81	4,360.95	4,235.41	18.90	21.69	-45.86	-524.28	767.05	375.92	340.60	35.32	10.644		
4,500.00	4,427.28	4,460.47	4,330.43	19.42	22.31	-45.90	-542.05	790.64	385.78	349.51	36.26	10.638		
4,600.00	4,524.75	4,559.98	4,425.46	19.94	22.94	-45.94	-559.83	814.22	395.64	358.43	37.21	10.632		
4,700.00	4,622.21	4,659.49	4,520.49	20.46	23.57	-45.97	-577.61	837.81	405.50	367.34	38.16	10.625		
4,800.00	4,719.68	4,759.00	4,615.52	20.98	24.20	-46.00	-595.38	861.40	415.37	376.25	39.12	10.619		
4,900.00	4,817.14	4,858.52	4,710.55	21.50	24.83	-46.03	-613.16	884.98	425.23	385.16	40.07	10.613		
5,000.00	4,914.61	4,958.03	4,805.58	22.02	25.46	-46.06	-630.94	908.57	435.09	394.07	41.02	10.607		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	5,012.07	5,057.54	4,900.60	22.54	26.09	-46.09	-648.71	932.15	444.95	402.98	41.97	10.601		
5,200.00	5,109.54	5,157.05	4,995.63	23.06	26.72	-46.12	-666.49	955.74	454.82	411.89	42.93	10.595		
5,300.00	5,207.01	5,256.56	5,090.66	23.59	27.35	-46.14	-684.27	979.32	464.68	420.80	43.88	10.589		
5,400.00	5,304.47	5,356.08	5,185.69	24.11	27.98	-46.17	-702.04	1,002.91	474.54	429.70	44.84	10.583		
5,500.00	5,401.94	5,455.59	5,280.72	24.63	28.61	-46.19	-719.82	1,026.50	484.41	438.61	45.80	10.577		
5,600.00	5,499.40	5,555.10	5,375.75	25.16	29.25	-46.21	-737.60	1,050.08	494.27	447.52	46.75	10.572		
5,700.00	5,596.87	5,654.61	5,470.77	25.68	29.88	-46.23	-755.37	1,073.67	504.13	456.42	47.71	10.566		
5,800.00	5,694.33	5,754.12	5,565.80	26.20	30.51	-46.25	-773.15	1,097.25	514.00	465.33	48.67	10.561		
5,900.00	5,791.80	5,853.64	5,660.83	26.73	31.14	-46.27	-790.93	1,120.84	523.86	474.23	49.63	10.556		
6,000.00	5,889.27	5,953.15	5,755.86	27.25	31.78	-46.29	-808.70	1,144.43	533.72	483.14	50.59	10.550		
6,100.00	5,986.73	6,052.66	5,850.89	27.78	32.41	-46.31	-826.48	1,168.01	543.59	492.04	51.55	10.545		
6,200.00	6,084.20	6,152.17	5,945.92	28.30	33.04	-46.33	-844.26	1,191.60	553.45	500.94	52.51	10.540		
6,300.00	6,181.66	6,251.69	6,040.94	28.82	33.68	-46.35	-862.03	1,215.18	563.32	509.85	53.47	10.536		
6,400.00	6,279.13	6,351.20	6,135.97	29.35	34.31	-46.36	-879.81	1,238.77	573.18	518.75	54.43	10.531		
6,500.00	6,376.59	6,450.71	6,231.00	29.88	34.95	-46.38	-897.59	1,262.36	583.04	527.65	55.39	10.526		
6,600.00	6,474.06	6,559.55	6,335.08	30.40	35.63	-46.42	-916.74	1,287.77	592.56	536.11	56.45	10.497		
6,700.00	6,571.53	6,680.44	6,451.85	30.93	36.33	-46.69	-935.55	1,312.73	599.09	541.46	57.63	10.395		
6,800.00	6,668.99	6,801.54	6,570.04	31.45	36.97	-47.22	-951.41	1,333.76	602.11	543.31	58.79	10.241		
6,887.36	6,754.14	6,907.18	6,673.98	31.91	37.46	-47.89	-962.77	1,348.84	601.91	542.11	59.79	10.067		
6,900.00	6,766.46	6,922.44	6,689.04	31.98	37.52	-48.00	-964.22	1,350.77	601.68	541.75	59.93	10.039		
7,000.00	6,864.39	7,042.96	6,808.46	32.48	38.01	-48.84	-973.98	1,363.71	599.30	538.30	61.00	9.824		
7,100.00	6,962.96	7,163.12	6,928.09	32.94	38.43	-49.65	-980.69	1,372.61	595.88	533.92	61.96	9.617		
7,200.00	7,062.06	7,282.87	7,047.68	33.36	38.78	-50.42	-984.36	1,377.49	591.40	528.60	62.80	9.417		
7,300.00	7,161.57	7,403.23	7,161.57	33.74	39.07	-51.12	-985.15	1,378.53	586.01	522.42	63.59	9.216		
7,400.00	7,261.36	7,496.55	7,261.34	34.08	39.28	-51.48	-985.80	1,378.53	582.00	517.69	64.31	9.050		
7,500.00	7,361.31	7,595.01	7,358.80	34.39	39.60	-50.38	-989.90	1,378.61	580.30	515.60	64.69	8.970		
7,509.34	7,370.64	7,603.93	7,367.49	34.41	39.63	-50.19	-1,000.91	1,378.63	580.28	515.57	64.71	8.968		
7,533.69	7,395.00	7,626.85	7,389.67	34.48	39.73	91.52	-1,006.70	1,378.66	580.39	515.66	64.73	8.966		
7,600.00	7,461.31	7,686.52	7,446.14	34.65	39.99	93.41	-1,025.86	1,378.78	581.50	516.78	64.72	8.985		
7,633.69	7,495.00	7,715.12	7,472.44	34.73	40.13	94.51	-1,037.11	1,378.84	582.59	517.89	64.69	9.005		
7,650.00	7,511.31	7,728.61	7,484.64	34.78	40.20	-84.53	-1,042.87	1,378.88	583.25	518.57	64.68	9.017		
7,700.00	7,561.16	7,769.29	7,520.56	34.94	40.43	-82.68	-1,061.95	1,378.99	585.71	520.98	64.74	9.048		
7,750.00	7,610.51	7,809.05	7,554.27	35.14	40.66	-80.89	-1,083.01	1,379.12	588.72	523.83	64.89	9.073		
7,800.00	7,658.98	7,848.00	7,585.80	35.37	40.90	-79.16	-1,105.86	1,379.26	592.18	527.05	65.12	9.093		
7,850.00	7,706.21	7,886.24	7,615.18	35.64	41.16	-77.51	-1,130.32	1,379.40	595.98	530.54	65.44	9.107		
7,900.00	7,751.82	7,923.85	7,642.42	35.93	41.42	-75.94	-1,156.24	1,379.56	600.03	534.20	65.82	9.116		
7,950.00	7,795.49	7,960.91	7,667.54	36.26	41.70	-74.47	-1,183.48	1,379.72	604.21	537.95	66.26	9.118		
8,000.00	7,836.86	7,997.49	7,690.56	36.62	41.98	-73.10	-1,211.91	1,379.90	608.43	541.67	66.76	9.114		
8,050.00	7,875.64	8,033.65	7,711.49	37.00	42.27	-71.83	-1,241.39	1,380.07	612.60	545.28	67.32	9.099		
8,100.00	7,911.52	8,069.45	7,730.33	37.42	42.57	-70.67	-1,271.82	1,380.26	616.63	548.69	67.94	9.075		
8,150.00	7,944.22	8,104.94	7,747.10	37.86	42.87	-69.63	-1,303.08	1,380.44	620.44	551.81	68.63	9.040		
8,200.00	7,973.51	8,140.15	7,761.80	38.32	43.19	-68.71	-1,335.08	1,380.64	623.96	554.56	69.40	8.991		
8,250.00	7,999.16	8,175.13	7,774.43	38.81	43.51	-67.92	-1,367.70	1,380.83	627.12	556.88	70.24	8.928		
8,300.00	8,020.98	8,209.93	7,784.99	39.31	43.83	-67.24	-1,400.84	1,381.03	629.87	558.70	71.17	8.851		
8,350.00	8,038.79	8,244.57	7,793.48	39.84	44.16	-66.70	-1,434.42	1,381.23	632.16	559.98	72.18	8.758		
8,400.00	8,052.46	8,279.09	7,799.92	40.38	44.50	-66.27	-1,468.33	1,381.44	633.95	560.67	73.29	8.650		
8,450.00	8,061.89	8,313.52	7,804.29	40.93	44.84	-65.98	-1,502.48	1,381.64	635.22	560.74	74.48	8.529		
8,500.00	8,067.01	8,350.00	7,806.68	41.49	45.21	-65.81	-1,538.87	1,381.86	635.95	560.23	75.72	8.399		
8,533.77	8,068.00	8,371.94	7,807.00	41.88	45.43	-65.78	-1,560.81	1,382.00	636.12	559.47	76.65	8.299		
8,600.00	8,068.00	8,438.17	7,807.00	42.64	46.11	-65.78	-1,627.03	1,382.39	636.12	558.00	78.13	8.142		
8,700.00	8,068.00	8,538.17	7,807.00	43.82	47.18	-65.78	-1,727.03	1,383.00	636.13	555.72	80.42	7.910		
8,800.00	8,068.00	8,638.17	7,807.00	45.04	48.29	-65.78	-1,827.03	1,383.60	636.14	553.37	82.77	7.685		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
8,900.00	8,067.99	8,738.17	7,807.00	46.30	49.43	-65.78	-1,927.03	1,384.20	636.15	550.95	85.19	7.467		
9,000.00	8,067.99	8,838.17	7,806.99	47.59	50.62	-65.78	-2,027.03	1,384.80	636.16	548.49	87.67	7.256		
9,100.00	8,067.99	8,938.17	7,806.99	48.91	51.84	-65.78	-2,127.03	1,385.40	636.16	545.96	90.20	7.053		
9,200.00	8,067.99	9,038.17	7,806.99	50.26	53.08	-65.78	-2,227.02	1,386.01	636.17	543.39	92.78	6.857		
9,300.00	8,067.99	9,138.17	7,806.99	51.63	54.36	-65.78	-2,327.02	1,386.61	636.18	540.78	95.40	6.669		
9,400.00	8,067.99	9,238.17	7,806.99	53.03	55.67	-65.78	-2,427.02	1,387.21	636.19	538.12	98.06	6.488		
9,500.00	8,067.98	9,338.17	7,806.99	54.44	57.00	-65.78	-2,527.02	1,387.81	636.19	535.43	100.76	6.314		
9,600.00	8,067.98	9,438.17	7,806.99	55.88	58.35	-65.78	-2,627.02	1,388.41	636.20	532.70	103.50	6.147		
9,700.00	8,067.98	9,538.17	7,806.99	57.34	59.73	-65.78	-2,727.01	1,389.02	636.21	529.94	106.27	5.987		
9,800.00	8,067.98	9,638.17	7,806.98	58.81	61.13	-65.78	-2,827.01	1,389.62	636.21	527.15	109.06	5.834		
9,900.00	8,067.98	9,738.17	7,806.98	60.31	62.55	-65.78	-2,927.01	1,390.22	636.22	524.34	111.89	5.686		
10,000.00	8,067.98	9,838.17	7,806.98	61.81	63.98	-65.78	-3,027.01	1,390.82	636.23	521.49	114.74	5.545		
10,100.00	8,067.98	9,938.17	7,806.98	63.33	65.43	-65.78	-3,127.01	1,391.42	636.24	518.63	117.61	5.410		
10,200.00	8,067.97	10,038.17	7,806.98	64.86	66.90	-65.78	-3,227.01	1,392.03	636.24	515.74	120.50	5.280		
10,300.00	8,067.97	10,138.17	7,806.98	66.41	68.38	-65.78	-3,327.00	1,392.63	636.25	512.83	123.42	5.155		
10,400.00	8,067.97	10,238.17	7,806.98	67.96	69.88	-65.78	-3,427.00	1,393.23	636.26	509.90	126.35	5.036		
10,500.00	8,067.97	10,338.17	7,806.97	69.53	71.38	-65.78	-3,527.00	1,393.83	636.26	506.96	129.30	4.921		
10,600.00	8,067.97	10,438.17	7,806.97	71.10	72.90	-65.78	-3,627.00	1,394.43	636.27	504.00	132.27	4.810		
10,700.00	8,067.97	10,538.17	7,806.97	72.69	74.44	-65.78	-3,727.00	1,395.03	636.28	501.02	135.26	4.704		
10,800.00	8,067.97	10,638.17	7,806.97	74.28	75.98	-65.78	-3,826.99	1,395.64	636.28	498.03	138.25	4.602		
10,900.00	8,067.97	10,738.17	7,806.97	75.88	77.53	-65.78	-3,926.99	1,396.24	636.29	495.02	141.27	4.504		
11,000.00	8,067.97	10,838.17	7,806.97	77.49	79.09	-65.78	-4,026.99	1,396.84	636.30	492.01	144.29	4.410		
11,100.00	8,067.97	10,938.17	7,806.97	79.10	80.66	-65.78	-4,126.99	1,397.44	636.30	488.98	147.32	4.319		
11,200.00	8,067.96	11,038.17	7,806.97	80.73	82.24	-65.78	-4,226.99	1,398.04	636.31	485.94	150.37	4.232		
11,300.00	8,067.96	11,138.17	7,806.96	82.35	83.83	-65.78	-4,326.99	1,398.65	636.31	482.89	153.43	4.147		
11,400.00	8,067.96	11,238.17	7,806.96	83.99	85.42	-65.78	-4,426.98	1,399.25	636.32	479.82	156.50	4.066		
11,500.00	8,067.96	11,338.17	7,806.96	85.63	87.02	-65.78	-4,526.98	1,399.85	636.33	476.75	159.57	3.988		
11,600.00	8,067.96	11,438.17	7,806.96	87.27	88.63	-65.78	-4,626.98	1,400.45	636.33	473.68	162.66	3.912		
11,700.00	8,067.96	11,538.17	7,806.96	88.92	90.24	-65.79	-4,726.98	1,401.05	636.34	470.59	165.75	3.839		
11,800.00	8,067.96	11,638.17	7,806.96	90.58	91.86	-65.79	-4,826.98	1,401.66	636.34	467.49	168.85	3.769		
11,900.00	8,067.96	11,738.17	7,806.96	92.23	93.49	-65.79	-4,926.98	1,402.26	636.35	464.39	171.96	3.701		
12,000.00	8,067.96	11,838.17	7,806.96	93.90	95.12	-65.79	-5,026.97	1,402.86	636.36	461.28	175.07	3.635		
12,100.00	8,067.96	11,938.17	7,806.95	95.56	96.75	-65.79	-5,126.97	1,403.46	636.36	458.16	178.20	3.571		
12,200.00	8,067.96	12,038.17	7,806.95	97.23	98.39	-65.79	-5,226.97	1,404.06	636.37	455.04	181.32	3.510		
12,300.00	8,067.96	12,138.17	7,806.95	98.91	100.04	-65.79	-5,326.97	1,404.67	636.37	451.91	184.46	3.450		
12,400.00	8,067.96	12,238.17	7,806.95	100.59	101.69	-65.79	-5,426.97	1,405.27	636.38	448.78	187.60	3.392		
12,500.00	8,067.96	12,338.17	7,806.95	102.27	103.34	-65.79	-5,526.96	1,405.87	636.38	445.64	190.74	3.336		
12,600.00	8,067.96	12,438.17	7,806.95	103.95	105.00	-65.79	-5,626.96	1,406.47	636.39	442.49	193.89	3.282		
12,700.00	8,067.96	12,538.17	7,806.95	105.64	106.66	-65.79	-5,726.96	1,407.07	636.39	439.34	197.05	3.230		
12,800.00	8,067.96	12,638.17	7,806.95	107.33	108.32	-65.79	-5,826.96	1,407.68	636.40	436.19	200.21	3.179		
12,900.00	8,067.96	12,738.17	7,806.94	109.02	109.99	-65.79	-5,926.96	1,408.28	636.40	433.03	203.37	3.129		
13,000.00	8,067.96	12,838.17	7,806.94	110.71	111.66	-65.79	-6,026.96	1,408.88	636.41	429.87	206.54	3.081		
13,100.00	8,067.96	12,938.17	7,806.94	112.41	113.34	-65.79	-6,126.95	1,409.48	636.41	426.70	209.71	3.035		
13,200.00	8,067.96	13,038.17	7,806.94	114.11	115.01	-65.79	-6,226.95	1,410.08	636.42	423.53	212.89	2.989		
13,300.00	8,067.96	13,138.17	7,806.94	115.81	116.70	-65.79	-6,326.95	1,410.68	636.42	420.35	216.07	2.945		
13,400.00	8,067.96	13,238.17	7,806.94	117.52	118.38	-65.79	-6,426.95	1,411.29	636.43	417.18	219.25	2.903		
13,500.00	8,067.96	13,338.17	7,806.94	119.22	120.06	-65.79	-6,526.95	1,411.89	636.43	413.99	222.44	2.861		
13,600.00	8,067.96	13,438.17	7,806.94	120.93	121.75	-65.79	-6,626.94	1,412.49	636.44	410.81	225.63	2.821		
13,700.00	8,067.96	13,538.17	7,806.93	122.64	123.44	-65.79	-6,726.94	1,413.09	636.44	407.62	228.82	2.781		
13,800.00	8,067.96	13,638.17	7,806.93	124.35	125.13	-65.79	-6,826.94	1,413.69	636.45	404.43	232.02	2.743		
13,900.00	8,067.96	13,738.17	7,806.93	126.06	126.83	-65.79	-6,926.94	1,414.30	636.45	401.23	235.22	2.706		
14,000.00	8,067.96	13,838.17	7,806.93	127.78	128.53	-65.79	-7,026.94	1,414.90	636.46	398.04	238.42	2.669		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	8,067.96	13,938.17	7,806.93	129.50	130.23	-65.79	-7,126.94	1,415.50	636.46	394.84	241.62	2.634		
14,200.00	8,067.96	14,038.17	7,806.93	131.21	131.93	-65.79	-7,226.93	1,416.10	636.46	391.63	244.83	2.600		
14,300.00	8,067.96	14,138.17	7,806.93	132.93	133.63	-65.79	-7,326.93	1,416.70	636.47	388.43	248.04	2.566		
14,400.00	8,067.96	14,238.17	7,806.93	134.65	135.33	-65.79	-7,426.93	1,417.31	636.47	385.22	251.25	2.533		
14,500.00	8,067.96	14,338.17	7,806.92	136.38	137.04	-65.79	-7,526.93	1,417.91	636.48	382.01	254.46	2.501		
14,600.00	8,067.96	14,438.17	7,806.92	138.10	138.75	-65.79	-7,626.93	1,418.51	636.48	378.80	257.68	2.470		
14,700.00	8,067.96	14,538.17	7,806.92	139.82	140.46	-65.79	-7,726.92	1,419.11	636.48	375.59	260.90	2.440		
14,800.00	8,067.96	14,638.17	7,806.92	141.55	142.17	-65.79	-7,826.92	1,419.71	636.49	372.37	264.12	2.410		
14,900.00	8,067.96	14,738.17	7,806.92	143.28	143.88	-65.79	-7,926.92	1,420.32	636.49	369.15	267.34	2.381		
15,000.00	8,067.96	14,838.17	7,806.92	145.00	145.60	-65.79	-8,026.92	1,420.92	636.50	365.93	270.56	2.352		
15,100.00	8,067.96	14,938.17	7,806.92	146.73	147.31	-65.79	-8,126.92	1,421.52	636.50	362.71	273.79	2.325		
15,200.00	8,067.96	15,038.17	7,806.91	148.46	149.03	-65.79	-8,226.92	1,422.12	636.50	359.49	277.01	2.298		
15,300.00	8,067.96	15,138.17	7,806.91	150.19	150.75	-65.79	-8,326.91	1,422.72	636.51	356.26	280.24	2.271		
15,400.00	8,067.96	15,238.17	7,806.91	151.93	152.47	-65.79	-8,426.91	1,423.32	636.51	353.04	283.47	2.245		
15,500.00	8,067.96	15,338.17	7,806.91	153.66	154.19	-65.79	-8,526.91	1,423.93	636.51	349.81	286.71	2.220		
15,600.00	8,067.96	15,438.17	7,806.91	155.39	155.91	-65.79	-8,626.91	1,424.53	636.52	346.58	289.94	2.195		
15,700.00	8,067.97	15,538.17	7,806.91	157.13	157.63	-65.79	-8,726.91	1,425.13	636.52	343.35	293.17	2.171		
15,800.00	8,067.97	15,638.17	7,806.91	158.86	159.36	-65.79	-8,826.90	1,425.73	636.52	340.11	296.41	2.147		
15,900.00	8,067.97	15,738.17	7,806.91	160.60	161.08	-65.79	-8,926.90	1,426.33	636.53	336.88	299.65	2.124		
16,000.00	8,067.97	15,838.17	7,806.90	162.34	162.81	-65.79	-9,026.90	1,426.94	636.53	333.64	302.89	2.102		
16,100.00	8,067.97	15,938.17	7,806.90	164.08	164.54	-65.79	-9,126.90	1,427.54	636.53	330.41	306.13	2.079		
16,200.00	8,067.97	16,038.17	7,806.90	165.81	166.26	-65.79	-9,226.90	1,428.14	636.53	327.17	309.37	2.058		
16,300.00	8,067.97	16,138.17	7,806.90	167.55	167.99	-65.79	-9,326.90	1,428.74	636.54	323.93	312.61	2.036		
16,400.00	8,067.97	16,238.17	7,806.90	169.29	169.72	-65.79	-9,426.89	1,429.34	636.54	320.69	315.85	2.015		
16,500.00	8,067.97	16,338.17	7,806.90	171.04	171.45	-65.79	-9,526.89	1,429.95	636.54	317.44	319.10	1.995		
16,600.00	8,067.98	16,438.17	7,806.90	172.78	173.19	-65.79	-9,626.89	1,430.55	636.55	314.20	322.34	1.975		
16,700.00	8,067.98	16,538.17	7,806.90	174.52	174.92	-65.79	-9,726.89	1,431.15	636.55	310.96	325.59	1.955		
16,800.00	8,067.98	16,638.17	7,806.89	176.26	176.65	-65.79	-9,826.89	1,431.75	636.55	307.71	328.84	1.936		
16,900.00	8,067.98	16,738.17	7,806.89	178.01	178.39	-65.79	-9,926.88	1,432.35	636.55	304.47	332.09	1.917		
17,000.00	8,067.98	16,838.17	7,806.89	179.75	180.12	-65.79	-10,026.88	1,432.96	636.56	301.22	335.34	1.898		
17,100.00	8,067.98	16,938.17	7,806.89	181.49	181.86	-65.78	-10,126.88	1,433.56	636.56	297.97	338.59	1.880		
17,200.00	8,067.98	17,038.17	7,806.89	183.24	183.59	-65.78	-10,226.88	1,434.16	636.56	294.72	341.84	1.862		
17,300.00	8,067.99	17,138.17	7,806.89	184.99	185.33	-65.78	-10,326.88	1,434.76	636.56	291.47	345.09	1.845		
17,400.00	8,067.99	17,238.17	7,806.89	186.73	187.07	-65.78	-10,426.88	1,435.36	636.56	288.22	348.35	1.827		
17,500.00	8,067.99	17,338.17	7,806.89	188.48	188.81	-65.78	-10,526.87	1,435.97	636.57	284.97	351.60	1.810		
17,600.00	8,067.99	17,438.17	7,806.88	190.23	190.54	-65.78	-10,626.87	1,436.57	636.57	281.71	354.85	1.794		
17,700.00	8,067.99	17,538.17	7,806.88	191.97	192.28	-65.78	-10,726.87	1,437.17	636.57	278.46	358.11	1.778		
17,800.00	8,067.99	17,638.17	7,806.88	193.72	194.02	-65.78	-10,826.87	1,437.77	636.57	275.21	361.37	1.762		
17,900.00	8,068.00	17,738.17	7,806.88	195.47	195.77	-65.78	-10,926.87	1,438.37	636.57	271.95	364.62	1.746		
18,000.00	8,068.00	17,838.17	7,806.88	197.22	197.51	-65.78	-11,026.86	1,438.97	636.58	268.69	367.88	1.730		
18,100.00	8,068.00	17,938.17	7,806.88	198.97	199.25	-65.78	-11,126.86	1,439.58	636.58	265.44	371.14	1.715		
18,184.63	8,068.00	18,029.62	7,807.01	200.45	200.84	-65.78	-11,218.31	1,439.84	636.30	262.63	373.67	1.703		
18,185.16	8,068.00	18,030.15	7,807.01	200.47	200.85	-65.78	-11,218.84	1,439.84	636.29	262.60	373.69	1.703 SF		

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	90.32	-0.70	125.96	125.97					
100.00	100.00	100.00	100.00	0.13	0.13	90.32	-0.70	125.96	125.97	125.70	0.27	468.526		
200.00	200.00	200.00	200.00	0.49	0.49	90.32	-0.70	125.96	125.97	124.98	0.99	127.780		
300.00	300.00	300.00	300.00	0.85	0.85	90.32	-0.70	125.96	125.97	124.26	1.70	73.978		
400.00	400.00	400.00	400.00	1.21	1.21	90.32	-0.70	125.96	125.97	123.55	2.42	52.059		
500.00	500.00	500.00	500.00	1.57	1.57	90.32	-0.70	125.96	125.97	122.83	3.14	40.159		
600.00	600.00	600.00	600.00	1.93	1.93	90.32	-0.70	125.96	125.97	122.11	3.85	32.688		
700.00	700.00	700.00	700.00	2.29	2.29	90.32	-0.70	125.96	125.97	121.39	4.57	27.560	CC, ES	
800.00	800.00	796.06	796.04	2.64	2.62	90.60	-1.33	127.45	127.52	122.25	5.26	24.238		
900.00	900.00	891.91	891.77	3.00	2.95	91.39	-3.20	131.88	132.18	126.24	5.94	22.250		
1,000.00	1,000.00	987.33	986.85	3.36	3.28	92.59	-6.30	139.23	139.99	133.37	6.62	21.155		
1,100.00	1,100.00	1,082.11	1,080.98	3.72	3.63	94.06	-10.60	149.41	150.98	143.69	7.29	20.714		
1,200.00	1,200.00	1,176.06	1,173.87	4.08	3.99	95.65	-16.05	162.32	165.19	157.24	7.95	20.769		
1,300.00	1,299.98	1,269.25	1,265.52	4.42	4.37	-44.04	-22.63	177.90	181.38	172.79	8.59	21.107		
1,400.00	1,399.84	1,361.89	1,356.01	4.75	4.77	-43.20	-30.31	196.09	198.23	189.02	9.21	21.521		
1,500.00	1,499.45	1,453.94	1,445.26	5.09	5.20	-42.86	-39.07	216.83	215.64	205.81	9.83	21.931		
1,600.00	1,598.70	1,545.38	1,533.17	5.44	5.66	-42.88	-48.87	240.05	233.59	223.13	10.46	22.332		
1,700.00	1,697.47	1,636.22	1,619.64	5.81	6.15	-43.19	-59.67	265.65	252.05	240.95	11.10	22.714		
1,800.00	1,795.62	1,726.42	1,704.60	6.19	6.69	-43.71	-71.46	293.56	271.04	259.29	11.75	23.067		
1,846.33	1,840.86	1,767.99	1,743.42	6.38	6.95	-44.01	-77.24	307.25	280.02	267.96	12.06	23.220		
1,900.00	1,893.17	1,815.92	1,787.91	6.60	7.26	-44.49	-84.17	323.67	290.93	278.50	12.42	23.415		
2,000.00	1,990.64	1,904.40	1,869.23	7.02	7.87	-45.16	-97.73	355.79	313.50	300.39	13.12	23.903		
2,100.00	2,088.10	1,991.66	1,948.34	7.46	8.53	-45.58	-112.05	389.71	338.94	325.12	13.81	24.535		
2,200.00	2,185.57	2,085.98	2,033.02	7.91	9.28	-45.88	-128.21	427.99	366.25	351.60	14.64	25.011		
2,300.00	2,283.03	2,182.15	2,119.33	8.37	10.07	-46.14	-144.70	467.05	393.62	378.10	15.52	25.361		
2,400.00	2,380.50	2,278.32	2,205.65	8.84	10.88	-46.36	-161.19	506.12	420.99	404.58	16.41	25.651		
2,500.00	2,477.97	2,374.48	2,291.96	9.32	11.69	-46.56	-177.69	545.18	448.38	431.06	17.32	25.892		
2,600.00	2,575.43	2,470.65	2,378.27	9.80	12.52	-46.73	-194.18	584.25	475.76	457.53	18.23	26.094		
2,700.00	2,672.90	2,566.82	2,464.59	10.28	13.36	-46.89	-210.67	623.31	503.15	483.99	19.16	26.263		
2,800.00	2,770.36	2,662.99	2,550.90	10.77	14.20	-47.03	-227.16	662.38	530.54	510.45	20.09	26.406		
2,900.00	2,867.83	2,759.15	2,637.21	11.26	15.05	-47.15	-243.66	701.44	557.94	536.91	21.03	26.528		
3,000.00	2,965.29	2,855.32	2,723.53	11.76	15.90	-47.27	-260.15	740.51	585.34	563.36	21.98	26.632		
3,100.00	3,062.76	2,951.49	2,809.84	12.26	16.76	-47.37	-276.64	779.57	612.74	589.81	22.93	26.720		
3,200.00	3,160.23	3,047.66	2,896.16	12.76	17.62	-47.47	-293.13	818.64	640.14	616.25	23.89	26.796		
3,300.00	3,257.69	3,143.82	2,982.47	13.27	18.49	-47.55	-309.62	857.70	667.54	642.69	24.85	26.862		
3,400.00	3,355.16	3,239.99	3,068.78	13.77	19.35	-47.63	-326.12	896.77	694.95	669.13	25.82	26.919		
3,500.00	3,452.62	3,336.16	3,155.10	14.28	20.22	-47.71	-342.61	935.83	722.35	695.57	26.79	26.968		
3,600.00	3,550.09	3,432.33	3,241.41	14.79	21.09	-47.78	-359.10	974.90	749.76	722.00	27.76	27.011		
3,700.00	3,647.55	3,528.49	3,327.73	15.30	21.97	-47.84	-375.59	1,013.96	777.16	748.43	28.73	27.048		
3,800.00	3,745.02	3,624.66	3,414.04	15.81	22.84	-47.90	-392.09	1,053.03	804.57	774.86	29.71	27.080		
3,900.00	3,842.49	3,720.83	3,500.35	16.32	23.72	-47.96	-408.58	1,092.09	831.98	801.29	30.69	27.108		
4,000.00	3,939.95	3,816.99	3,586.67	16.84	24.59	-48.01	-425.07	1,131.16	859.39	827.72	31.67	27.133		
4,100.00	4,037.42	3,913.16	3,672.98	17.35	25.47	-48.06	-441.56	1,170.22	886.80	854.14	32.66	27.155		
4,200.00	4,134.88	4,009.33	3,759.30	17.87	26.35	-48.10	-458.05	1,209.29	914.21	880.57	33.64	27.174		
4,300.00	4,232.35	4,105.50	3,845.61	18.39	27.23	-48.15	-474.55	1,248.36	941.62	906.99	34.63	27.190		
4,400.00	4,329.81	4,201.66	3,931.92	18.90	28.11	-48.19	-491.04	1,287.42	969.03	933.41	35.62	27.205		
4,500.00	4,427.28	4,302.17	4,018.24	19.42	29.03	-48.23	-507.53	1,326.49	996.45	959.81	36.63	27.200		
4,600.00	4,524.75	4,406.00	4,104.55	19.94	29.98	-48.26	-524.02	1,365.55	1,023.86	986.19	37.67	27.181		
4,700.00	4,622.21	4,509.83	4,190.87	20.46	30.94	-48.30	-540.52	1,404.62	1,051.27	1,012.57	38.70	27.162		
4,800.00	4,719.68	4,586.33	4,277.18	20.98	31.64	-48.33	-557.01	1,443.68	1,078.68	1,039.10	39.59	27.247		
4,900.00	4,817.14	4,682.50	4,363.49	21.50	32.52	-48.36	-573.50	1,482.75	1,106.10	1,065.51	40.58	27.255		
5,000.00	4,914.61	4,778.67	4,449.81	22.02	33.41	-48.39	-589.99	1,521.81	1,133.51	1,091.93	41.58	27.261		

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



# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	5,012.07	4,874.84	4,536.12	22.54	34.29	-48.42	-606.48	1,560.88	1,160.93	1,118.35	42.58	27.267		
5,200.00	5,109.54	4,971.00	4,622.44	23.06	35.18	-48.45	-622.98	1,599.94	1,188.34	1,144.77	43.57	27.271		
5,300.00	5,207.01	5,067.17	4,708.75	23.59	36.06	-48.47	-639.47	1,639.01	1,215.76	1,171.18	44.57	27.275		
5,400.00	5,304.47	5,163.34	4,795.06	24.11	36.95	-48.50	-655.96	1,678.07	1,243.17	1,197.60	45.57	27.279		
5,500.00	5,401.94	5,259.51	4,881.38	24.63	37.83	-48.52	-672.45	1,717.14	1,270.58	1,224.01	46.57	27.282		
5,600.00	5,499.40	5,355.67	4,967.69	25.16	38.72	-48.54	-688.95	1,756.20	1,298.00	1,250.43	47.57	27.284		
5,700.00	5,596.87	5,451.84	5,054.01	25.68	39.61	-48.56	-705.44	1,795.27	1,325.42	1,276.84	48.57	27.286		
5,800.00	5,694.33	5,548.01	5,140.32	26.20	40.49	-48.58	-721.93	1,834.33	1,352.83	1,303.25	49.58	27.287		
5,900.00	5,791.80	5,644.18	5,226.63	26.73	41.38	-48.60	-738.42	1,873.40	1,380.25	1,329.67	50.58	27.289		
6,000.00	5,889.27	5,740.34	5,312.95	27.25	42.27	-48.62	-754.91	1,912.46	1,407.66	1,356.08	51.58	27.289		
6,100.00	5,986.73	5,836.51	5,399.26	27.78	43.16	-48.64	-771.41	1,951.53	1,435.08	1,382.49	52.59	27.290		
6,200.00	6,084.20	5,932.68	5,485.57	28.30	44.04	-48.66	-787.90	1,990.59	1,462.49	1,408.90	53.59	27.290		
6,300.00	6,181.66	6,028.85	5,571.89	28.82	44.93	-48.68	-804.39	2,029.66	1,489.91	1,435.32	54.59	27.290		
6,400.00	6,279.13	6,125.01	5,658.20	29.35	45.82	-48.69	-820.88	2,068.72	1,517.33	1,461.73	55.60	27.290		
6,500.00	6,376.59	6,221.18	5,744.52	29.88	46.71	-48.71	-837.38	2,107.79	1,544.74	1,488.14	56.61	27.290		
6,600.00	6,474.06	6,317.35	5,830.83	30.40	47.60	-48.72	-853.87	2,146.85	1,572.16	1,514.55	57.61	27.289		
6,700.00	6,571.53	6,468.95	5,967.76	30.93	48.95	-48.77	-879.16	2,206.77	1,598.68	1,539.49	59.19	27.011		
6,800.00	6,668.99	6,673.03	6,156.96	31.45	50.56	-49.00	-908.87	2,277.13	1,619.54	1,558.43	61.12	26.499		
6,887.36	6,754.14	6,855.01	6,329.89	31.91	51.77	-49.36	-930.88	2,329.27	1,632.41	1,569.79	62.62	26.067		
6,900.00	6,766.46	6,881.54	6,355.39	31.98	51.93	-49.45	-933.73	2,336.02	1,633.87	1,571.04	62.83	26.006		
7,000.00	6,864.39	7,092.54	6,560.37	32.48	53.04	-50.08	-953.11	2,381.92	1,642.89	1,578.64	64.24	25.573		
7,100.00	6,962.96	7,304.76	6,769.68	32.94	53.90	-50.65	-966.62	2,413.94	1,647.37	1,582.05	65.32	25.219		
7,200.00	7,062.06	7,517.08	6,981.08	33.36	54.52	-51.16	-974.08	2,431.61	1,647.28	1,581.21	66.06	24.935		
7,300.00	7,161.57	7,702.36	7,161.57	33.74	54.88	-51.53	-975.67	2,435.37	1,642.86	1,576.28	66.58	24.673		
7,400.00	7,261.36	7,797.57	7,261.48	34.08	55.03	-51.62	-976.33	2,435.37	1,638.88	1,571.65	67.23	24.378		
7,500.00	7,361.31	7,896.55	7,359.45	34.39	55.25	-51.20	-989.57	2,435.45	1,637.08	1,569.38	67.70	24.183		
7,523.68	7,384.99	7,919.14	7,381.39	34.45	55.31	-51.02	-994.95	2,435.48	1,637.00	1,569.23	67.78	24.152		
7,533.69	7,395.00	7,928.55	7,390.46	34.48	55.34	90.22	-997.45	2,435.50	1,637.02	1,569.21	67.81	24.141		
7,600.00	7,461.31	7,988.47	7,447.15	34.65	55.53	90.89	-1,016.79	2,435.62	1,637.38	1,569.38	67.99	24.082		
7,633.69	7,495.00	8,017.18	7,473.52	34.73	55.63	91.29	-1,028.13	2,435.68	1,637.74	1,569.66	68.08	24.056		
7,650.00	7,511.31	8,030.72	7,485.75	34.78	55.67	-88.15	-1,033.94	2,435.72	1,637.97	1,569.83	68.13	24.041		
7,700.00	7,561.16	8,071.53	7,521.74	34.94	55.83	-87.49	-1,053.16	2,435.83	1,638.81	1,570.46	68.36	23.975		
7,750.00	7,610.51	8,111.41	7,555.50	35.14	55.99	-86.84	-1,074.37	2,435.96	1,639.87	1,571.19	68.67	23.879		
7,800.00	7,658.98	8,150.46	7,587.06	35.37	56.16	-86.21	-1,097.36	2,436.10	1,641.09	1,572.01	69.08	23.756		
7,850.00	7,706.21	8,188.79	7,616.43	35.64	56.34	-85.60	-1,121.96	2,436.25	1,642.45	1,572.87	69.58	23.605		
7,900.00	7,751.82	8,226.47	7,643.65	35.93	56.52	-85.01	-1,148.02	2,436.41	1,643.92	1,573.76	70.16	23.431		
7,950.00	7,795.49	8,263.61	7,668.73	36.26	56.71	-84.45	-1,175.39	2,436.57	1,645.44	1,574.63	70.82	23.235		
8,000.00	7,836.86	8,300.00	7,691.55	36.62	56.91	-83.93	-1,203.74	2,436.74	1,647.00	1,575.45	71.55	23.019		
8,050.00	7,875.64	8,336.46	7,712.56	37.00	57.11	-83.43	-1,233.53	2,436.92	1,648.55	1,576.20	72.35	22.785		
8,100.00	7,911.52	8,372.31	7,731.32	37.42	57.32	-82.98	-1,264.06	2,437.10	1,650.06	1,576.83	73.23	22.534		
8,150.00	7,944.22	8,407.83	7,748.00	37.86	57.54	-82.56	-1,295.42	2,437.29	1,651.50	1,577.34	74.16	22.268		
8,200.00	7,973.51	8,443.07	7,762.59	38.32	57.75	-82.19	-1,327.49	2,437.48	1,652.85	1,577.68	75.16	21.990		
8,250.00	7,999.16	8,478.08	7,775.11	38.81	57.98	-81.86	-1,360.18	2,437.68	1,654.06	1,577.84	76.22	21.700		
8,300.00	8,020.98	8,512.90	7,785.56	39.31	58.21	-81.58	-1,393.39	2,437.88	1,655.13	1,577.80	77.33	21.402		
8,350.00	8,038.79	8,550.00	7,794.45	39.84	58.46	-81.34	-1,429.40	2,438.10	1,656.03	1,577.56	78.47	21.104		
8,400.00	8,052.46	8,582.09	7,800.25	40.38	58.68	-81.17	-1,460.96	2,438.29	1,656.75	1,577.06	79.69	20.790		
8,450.00	8,061.89	8,616.53	7,804.49	40.93	58.92	-81.04	-1,495.13	2,438.49	1,657.26	1,576.34	80.92	20.480		
8,500.00	8,067.01	8,650.00	7,806.65	41.49	59.16	-80.96	-1,528.53	2,438.69	1,657.57	1,575.39	82.18	20.169		
8,533.77	8,068.00	8,675.93	7,807.00	41.88	59.35	-80.94	-1,554.45	2,438.85	1,657.66	1,574.64	83.02	19.968		
8,600.00	8,068.00	8,742.16	7,807.00	42.64	59.84	-80.94	-1,620.68	2,439.25	1,657.66	1,573.12	84.54	19.607		
8,700.00	8,068.00	8,842.16	7,807.00	43.82	60.61	-80.94	-1,720.68	2,439.85	1,657.67	1,570.76	86.91	19.074		
8,800.00	8,068.00	8,942.16	7,807.00	45.04	61.42	-80.94	-1,820.67	2,440.45	1,657.68	1,568.33	89.35	18.552		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
8,900.00	8,067.99	9,042.16	7,807.00	46.30	62.27	-80.94	-1,920.67	2,441.05	1,657.69	1,565.83	91.86	18.045		
9,000.00	8,067.99	9,142.16	7,806.99	47.59	63.15	-80.94	-2,020.67	2,441.66	1,657.70	1,563.26	94.44	17.553		
9,100.00	8,067.99	9,242.16	7,806.99	48.91	64.07	-80.94	-2,120.67	2,442.26	1,657.71	1,560.63	97.07	17.077		
9,200.00	8,067.99	9,342.16	7,806.99	50.26	65.02	-80.94	-2,220.67	2,442.86	1,657.71	1,557.95	99.76	16.617		
9,300.00	8,067.99	9,442.16	7,806.99	51.63	66.01	-80.94	-2,320.67	2,443.46	1,657.72	1,555.23	102.50	16.174		
9,400.00	8,067.99	9,542.16	7,806.99	53.03	67.03	-80.94	-2,420.66	2,444.06	1,657.73	1,552.45	105.28	15.746		
9,500.00	8,067.98	9,642.16	7,806.99	54.44	68.08	-80.94	-2,520.66	2,444.66	1,657.74	1,549.63	108.10	15.335		
9,600.00	8,067.98	9,742.16	7,806.99	55.88	69.16	-80.94	-2,620.66	2,445.26	1,657.74	1,546.78	110.97	14.939		
9,700.00	8,067.98	9,842.16	7,806.99	57.34	70.27	-80.94	-2,720.66	2,445.87	1,657.75	1,543.88	113.87	14.558		
9,800.00	8,067.98	9,942.16	7,806.98	58.81	71.40	-80.94	-2,820.66	2,446.47	1,657.76	1,540.96	116.80	14.193		
9,900.00	8,067.98	10,042.16	7,806.98	60.31	72.56	-80.94	-2,920.65	2,447.07	1,657.77	1,538.00	119.77	13.841		
10,000.00	8,067.98	10,142.16	7,806.98	61.81	73.75	-80.94	-3,020.65	2,447.67	1,657.77	1,535.01	122.76	13.504		
10,100.00	8,067.98	10,242.16	7,806.98	63.33	74.96	-80.94	-3,120.65	2,448.27	1,657.78	1,532.00	125.78	13.180		
10,200.00	8,067.97	10,342.16	7,806.98	64.86	76.20	-80.94	-3,220.65	2,448.87	1,657.79	1,528.96	128.83	12.868		
10,300.00	8,067.97	10,442.16	7,806.98	66.41	77.46	-80.94	-3,320.65	2,449.48	1,657.80	1,525.90	131.90	12.569		
10,400.00	8,067.97	10,542.16	7,806.98	67.96	78.73	-80.94	-3,420.65	2,450.08	1,657.80	1,522.82	134.99	12.281		
10,500.00	8,067.97	10,642.16	7,806.98	69.53	80.03	-80.94	-3,520.64	2,450.68	1,657.81	1,519.71	138.10	12.005		
10,600.00	8,067.97	10,742.16	7,806.97	71.10	81.35	-80.94	-3,620.64	2,451.28	1,657.82	1,516.59	141.23	11.739		
10,700.00	8,067.97	10,842.16	7,806.97	72.69	82.69	-80.94	-3,720.64	2,451.88	1,657.82	1,513.45	144.37	11.483		
10,800.00	8,067.97	10,942.16	7,806.97	74.28	84.04	-80.94	-3,820.64	2,452.48	1,657.83	1,510.30	147.53	11.237		
10,900.00	8,067.97	11,042.16	7,806.97	75.88	85.41	-80.94	-3,920.64	2,453.09	1,657.84	1,507.12	150.71	11.000		
11,000.00	8,067.97	11,142.16	7,806.97	77.49	86.79	-80.94	-4,020.64	2,453.69	1,657.84	1,503.94	153.91	10.772		
11,100.00	8,067.97	11,242.16	7,806.97	79.10	88.19	-80.94	-4,120.63	2,454.29	1,657.85	1,500.74	157.11	10.552		
11,200.00	8,067.96	11,342.16	7,806.97	80.73	89.61	-80.94	-4,220.63	2,454.89	1,657.86	1,497.52	160.33	10.340		
11,300.00	8,067.96	11,442.16	7,806.97	82.35	91.04	-80.94	-4,320.63	2,455.49	1,657.86	1,494.30	163.56	10.136		
11,400.00	8,067.96	11,542.16	7,806.96	83.99	92.48	-80.94	-4,420.63	2,456.09	1,657.87	1,491.06	166.80	9.939		
11,500.00	8,067.96	11,642.16	7,806.96	85.63	93.93	-80.94	-4,520.63	2,456.70	1,657.87	1,487.82	170.06	9.749		
11,600.00	8,067.96	11,742.16	7,806.96	87.27	95.39	-80.94	-4,620.62	2,457.30	1,657.88	1,484.56	173.32	9.565		
11,700.00	8,067.96	11,842.16	7,806.96	88.92	96.87	-80.94	-4,720.62	2,457.90	1,657.89	1,481.29	176.59	9.388		
11,800.00	8,067.96	11,942.16	7,806.96	90.58	98.36	-80.94	-4,820.62	2,458.50	1,657.89	1,478.02	179.87	9.217		
11,900.00	8,067.96	12,042.16	7,806.96	92.23	99.85	-80.94	-4,920.62	2,459.10	1,657.90	1,474.73	183.16	9.051		
12,000.00	8,067.96	12,142.16	7,806.96	93.90	101.36	-80.94	-5,020.62	2,459.70	1,657.90	1,471.44	186.46	8.891		
12,100.00	8,067.96	12,242.16	7,806.96	95.56	102.87	-80.94	-5,120.62	2,460.30	1,657.91	1,468.14	189.77	8.737		
12,200.00	8,067.96	12,342.16	7,806.95	97.23	104.40	-80.94	-5,220.61	2,460.91	1,657.91	1,464.83	193.08	8.587		
12,300.00	8,067.96	12,442.16	7,806.95	98.91	105.93	-80.94	-5,320.61	2,461.51	1,657.92	1,461.52	196.40	8.442		
12,400.00	8,067.96	12,542.16	7,806.95	100.59	107.47	-80.94	-5,420.61	2,462.11	1,657.92	1,458.20	199.73	8.301		
12,500.00	8,067.96	12,642.16	7,806.95	102.27	109.02	-80.94	-5,520.61	2,462.71	1,657.93	1,454.87	203.06	8.165		
12,600.00	8,067.96	12,742.16	7,806.95	103.95	110.57	-80.94	-5,620.61	2,463.31	1,657.93	1,451.54	206.40	8.033		
12,700.00	8,067.96	12,842.16	7,806.95	105.64	112.13	-80.94	-5,720.60	2,463.91	1,657.94	1,448.20	209.74	7.905		
12,800.00	8,067.96	12,942.16	7,806.95	107.33	113.70	-80.94	-5,820.60	2,464.52	1,657.94	1,444.85	213.09	7.780		
12,900.00	8,067.96	13,042.16	7,806.95	109.02	115.28	-80.94	-5,920.60	2,465.12	1,657.95	1,441.50	216.45	7.660		
13,000.00	8,067.96	13,142.16	7,806.94	110.71	116.86	-80.94	-6,020.60	2,465.72	1,657.95	1,438.15	219.81	7.543		
13,100.00	8,067.96	13,242.16	7,806.94	112.41	118.44	-80.94	-6,120.60	2,466.32	1,657.96	1,434.79	223.17	7.429		
13,200.00	8,067.96	13,342.16	7,806.94	114.11	120.04	-80.94	-6,220.60	2,466.92	1,657.96	1,431.43	226.54	7.319		
13,300.00	8,067.96	13,442.16	7,806.94	115.81	121.63	-80.94	-6,320.59	2,467.52	1,657.97	1,428.06	229.91	7.211		
13,400.00	8,067.96	13,542.16	7,806.94	117.52	123.24	-80.94	-6,420.59	2,468.13	1,657.97	1,424.68	233.29	7.107		
13,500.00	8,067.96	13,642.16	7,806.94	119.22	124.84	-80.94	-6,520.59	2,468.73	1,657.98	1,421.31	236.67	7.005		
13,600.00	8,067.96	13,742.16	7,806.94	120.93	126.46	-80.94	-6,620.59	2,469.33	1,657.98	1,417.93	240.05	6.907		
13,700.00	8,067.96	13,842.16	7,806.94	122.64	128.07	-80.94	-6,720.59	2,469.93	1,657.99	1,414.54	243.44	6.811		
13,800.00	8,067.96	13,942.16	7,806.93	124.35	129.69	-80.94	-6,820.58	2,470.53	1,657.99	1,411.16	246.83	6.717		
13,900.00	8,067.96	14,042.16	7,806.93	126.06	131.32	-80.94	-6,920.58	2,471.13	1,657.99	1,407.77	250.23	6.626		
14,000.00	8,067.96	14,142.16	7,806.93	127.78	132.95	-80.94	-7,020.58	2,471.74	1,658.00	1,404.37	253.63	6.537		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	8,067.96	14,242.16	7,806.93	129.50	134.58	-80.94	-7,120.58	2,472.34	1,658.00	1,400.97	257.03	6.451		
14,200.00	8,067.96	14,342.16	7,806.93	131.21	136.22	-80.94	-7,220.58	2,472.94	1,658.01	1,397.57	260.43	6.366		
14,300.00	8,067.96	14,442.16	7,806.93	132.93	137.86	-80.94	-7,320.58	2,473.54	1,658.01	1,394.17	263.84	6.284		
14,400.00	8,067.96	14,542.16	7,806.93	134.65	139.50	-80.94	-7,420.57	2,474.14	1,658.01	1,390.77	267.25	6.204		
14,500.00	8,067.96	14,642.16	7,806.93	136.38	141.15	-80.94	-7,520.57	2,474.74	1,658.02	1,387.36	270.66	6.126		
14,600.00	8,067.96	14,742.16	7,806.92	138.10	142.80	-80.94	-7,620.57	2,475.35	1,658.02	1,383.95	274.07	6.050		
14,700.00	8,067.96	14,842.16	7,806.92	139.82	144.45	-80.94	-7,720.57	2,475.95	1,658.02	1,380.53	277.49	5.975		
14,800.00	8,067.96	14,942.16	7,806.92	141.55	146.11	-80.94	-7,820.57	2,476.55	1,658.03	1,377.12	280.91	5.902		
14,900.00	8,067.96	15,042.16	7,806.92	143.28	147.77	-80.94	-7,920.56	2,477.15	1,658.03	1,373.70	284.33	5.831		
15,000.00	8,067.96	15,142.16	7,806.92	145.00	149.43	-80.94	-8,020.56	2,477.75	1,658.03	1,370.28	287.76	5.762		
15,100.00	8,067.96	15,242.16	7,806.92	146.73	151.10	-80.94	-8,120.56	2,478.35	1,658.04	1,366.85	291.18	5.694		
15,200.00	8,067.96	15,342.16	7,806.92	148.46	152.76	-80.94	-8,220.56	2,478.95	1,658.04	1,363.43	294.61	5.628		
15,300.00	8,067.96	15,442.16	7,806.92	150.19	154.43	-80.94	-8,320.56	2,479.56	1,658.04	1,360.00	298.04	5.563		
15,400.00	8,067.96	15,542.16	7,806.91	151.93	156.10	-80.94	-8,420.56	2,480.16	1,658.05	1,356.57	301.47	5.500		
15,500.00	8,067.96	15,642.16	7,806.91	153.66	157.78	-80.94	-8,520.55	2,480.76	1,658.05	1,353.14	304.90	5.438		
15,600.00	8,067.96	15,742.16	7,806.91	155.39	159.46	-80.94	-8,620.55	2,481.36	1,658.05	1,349.71	308.34	5.377		
15,700.00	8,067.97	15,842.16	7,806.91	157.13	161.13	-80.94	-8,720.55	2,481.96	1,658.05	1,346.28	311.78	5.318		
15,800.00	8,067.97	15,942.16	7,806.91	158.86	162.82	-80.94	-8,820.55	2,482.56	1,658.06	1,342.84	315.22	5.260		
15,900.00	8,067.97	16,042.16	7,806.91	160.60	164.50	-80.94	-8,920.55	2,483.17	1,658.06	1,339.40	318.66	5.203		
16,000.00	8,067.97	16,142.16	7,806.91	162.34	166.18	-80.94	-9,020.54	2,483.77	1,658.06	1,335.96	322.10	5.148		
16,100.00	8,067.97	16,242.16	7,806.91	164.08	167.87	-80.94	-9,120.54	2,484.37	1,658.06	1,332.52	325.54	5.093		
16,200.00	8,067.97	16,342.16	7,806.90	165.81	169.56	-80.94	-9,220.54	2,484.97	1,658.07	1,329.08	328.98	5.040		
16,300.00	8,067.97	16,442.16	7,806.90	167.55	171.25	-80.94	-9,320.54	2,485.57	1,658.07	1,325.64	332.43	4.988		
16,400.00	8,067.97	16,542.16	7,806.90	169.29	172.94	-80.94	-9,420.54	2,486.17	1,658.07	1,322.19	335.88	4.937		
16,500.00	8,067.97	16,642.16	7,806.90	171.04	174.63	-80.94	-9,520.54	2,486.78	1,658.07	1,318.74	339.33	4.886		
16,600.00	8,067.98	16,742.16	7,806.90	172.78	176.33	-80.94	-9,620.53	2,487.38	1,658.07	1,315.30	342.78	4.837		
16,700.00	8,067.98	16,842.16	7,806.90	174.52	178.03	-80.94	-9,720.53	2,487.98	1,658.07	1,311.85	346.23	4.789		
16,800.00	8,067.98	16,942.16	7,806.90	176.26	179.73	-80.94	-9,820.53	2,488.58	1,658.08	1,308.40	349.68	4.742		
16,900.00	8,067.98	17,042.16	7,806.90	178.01	181.43	-80.94	-9,920.53	2,489.18	1,658.08	1,304.95	353.13	4.695		
17,000.00	8,067.98	17,142.16	7,806.89	179.75	183.13	-80.94	-10,020.53	2,489.78	1,658.08	1,301.49	356.59	4.650		
17,100.00	8,067.98	17,242.16	7,806.89	181.49	184.83	-80.94	-10,120.52	2,490.39	1,658.08	1,298.04	360.04	4.605		
17,200.00	8,067.98	17,342.16	7,806.89	183.24	186.53	-80.94	-10,220.52	2,490.99	1,658.08	1,294.58	363.50	4.561		
17,300.00	8,067.99	17,442.16	7,806.89	184.99	188.24	-80.94	-10,320.52	2,491.59	1,658.08	1,291.13	366.96	4.518		
17,400.00	8,067.99	17,542.16	7,806.89	186.73	189.95	-80.94	-10,420.52	2,492.19	1,658.08	1,287.67	370.42	4.476		
17,500.00	8,067.99	17,642.16	7,806.89	188.48	191.65	-80.94	-10,520.52	2,492.79	1,658.09	1,284.21	373.88	4.435		
17,600.00	8,067.99	17,742.16	7,806.89	190.23	193.36	-80.94	-10,620.52	2,493.39	1,658.09	1,280.75	377.34	4.394		
17,700.00	8,067.99	17,842.16	7,806.88	191.97	195.07	-80.94	-10,720.51	2,493.99	1,658.09	1,277.29	380.80	4.354		
17,800.00	8,067.99	17,942.16	7,806.88	193.72	196.78	-80.94	-10,820.51	2,494.60	1,658.09	1,273.83	384.26	4.315		
17,900.00	8,068.00	18,042.16	7,806.88	195.47	198.50	-80.94	-10,920.51	2,495.20	1,658.09	1,270.37	387.72	4.276		
18,000.00	8,068.00	18,142.16	7,806.88	197.22	200.21	-80.94	-11,020.51	2,495.80	1,658.09	1,266.90	391.19	4.239		
18,100.00	8,068.00	18,242.16	7,806.88	198.97	201.93	-80.94	-11,120.51	2,496.40	1,658.09	1,263.44	394.65	4.201		
18,101.83	8,068.00	18,243.99	7,806.88	199.00	201.96	-80.94	-11,122.34	2,496.41	1,658.09	1,263.37	394.72	4.201		
18,184.63	8,068.00	18,318.66	7,806.94	200.45	203.24	-80.94	-11,197.00	2,496.96	1,658.20	1,260.52	397.68	4.170		
18,185.16	8,068.00	18,319.18	7,806.94	200.47	203.25	-80.94	-11,197.53	2,496.97	1,658.21	1,260.51	397.69	4.170 SF		

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	90.32	-0.80	143.96	143.96					
100.00	100.00	100.00	100.00	0.13	0.13	90.32	-0.80	143.96	143.96	143.69	0.27	535.460		
200.00	200.00	200.00	200.00	0.49	0.49	90.32	-0.80	143.96	143.96	142.97	0.99	146.035		
300.00	300.00	300.00	300.00	0.85	0.85	90.32	-0.80	143.96	143.96	142.26	1.70	84.546		
400.00	400.00	400.00	400.00	1.21	1.21	90.32	-0.80	143.96	143.96	141.54	2.42	59.496		
500.00	500.00	500.00	500.00	1.57	1.57	90.32	-0.80	143.96	143.96	140.82	3.14	45.897		
600.00	600.00	600.00	600.00	1.93	1.93	90.32	-0.80	143.96	143.96	140.11	3.85	37.358 CC, ES		
700.00	700.00	695.45	695.43	2.29	2.26	90.53	-1.35	145.45	145.53	140.99	4.54	32.034		
800.00	800.00	790.68	790.54	2.64	2.59	91.14	-2.98	149.92	150.25	145.02	5.22	28.765		
900.00	900.00	885.50	885.03	3.00	2.92	92.07	-5.67	157.31	158.12	152.22	5.90	26.794		
1,000.00	1,000.00	979.69	978.58	3.36	3.27	93.22	-9.41	167.56	169.19	162.61	6.58	25.729		
1,100.00	1,100.00	1,073.07	1,070.92	3.72	3.63	94.48	-14.16	180.57	183.44	176.20	7.24	25.325		
1,200.00	1,200.00	1,165.44	1,161.78	4.08	4.01	95.78	-19.87	196.21	200.88	192.98	7.90	25.418		
1,300.00	1,299.98	1,256.93	1,251.19	4.42	4.41	-44.13	-26.51	214.41	220.26	211.72	8.54	25.798		
1,400.00	1,399.84	1,347.78	1,339.31	4.75	4.84	-43.43	-34.07	235.12	240.26	231.11	9.15	26.265		
1,500.00	1,499.45	1,437.95	1,426.05	5.09	5.30	-43.15	-42.51	258.26	260.80	251.04	9.76	26.710		
1,600.00	1,598.70	1,527.43	1,511.31	5.44	5.79	-43.19	-51.81	283.76	281.85	271.47	10.39	27.139		
1,700.00	1,697.47	1,616.20	1,595.02	5.81	6.32	-43.48	-61.94	311.50	303.40	292.38	11.02	27.540		
1,800.00	1,795.62	1,704.24	1,677.10	6.19	6.89	-43.95	-72.85	341.42	325.46	313.79	11.66	27.903		
1,846.33	1,840.86	1,744.79	1,714.56	6.38	7.17	-44.22	-78.17	355.99	335.85	323.88	11.97	28.055		
1,900.00	1,893.17	1,791.50	1,757.44	6.60	7.50	-44.69	-84.52	373.39	348.38	336.05	12.33	28.248		
2,000.00	1,990.64	1,877.61	1,835.68	7.02	8.15	-45.39	-96.85	407.18	373.96	360.94	13.02	28.724		
2,100.00	2,088.10	1,962.41	1,911.63	7.46	8.85	-45.90	-109.77	442.60	402.34	388.63	13.71	29.345		
2,200.00	2,185.57	2,053.16	1,991.92	7.91	9.63	-46.28	-124.27	482.33	432.93	418.42	14.51	29.836		
2,300.00	2,283.03	2,148.26	2,075.97	8.37	10.47	-46.62	-139.52	524.13	463.74	448.35	15.39	30.127		
2,400.00	2,380.50	2,243.36	2,160.03	8.84	11.33	-46.92	-154.77	565.93	494.56	478.27	16.29	30.358		
2,500.00	2,477.97	2,338.47	2,244.08	9.32	12.21	-47.19	-170.03	607.73	525.39	508.19	17.20	30.543		
2,600.00	2,575.43	2,433.57	2,328.13	9.80	13.09	-47.42	-185.28	649.53	556.23	538.11	18.12	30.690		
2,700.00	2,672.90	2,528.67	2,412.18	10.28	13.98	-47.63	-200.53	691.33	587.08	568.02	19.06	30.807		
2,800.00	2,770.36	2,623.77	2,496.23	10.77	14.88	-47.82	-215.78	733.13	617.93	597.94	20.00	30.901		
2,900.00	2,867.83	2,718.88	2,580.28	11.26	15.78	-47.99	-231.03	774.93	648.79	627.85	20.95	30.975		
3,000.00	2,965.29	2,813.98	2,664.33	11.76	16.69	-48.15	-246.28	816.73	679.66	657.76	21.90	31.034		
3,100.00	3,062.76	2,909.08	2,748.39	12.26	17.60	-48.29	-261.54	858.52	710.53	687.66	22.86	31.080		
3,200.00	3,160.23	3,004.18	2,832.44	12.76	18.51	-48.42	-276.79	900.32	741.40	717.57	23.83	31.116		
3,300.00	3,257.69	3,099.28	2,916.49	13.27	19.43	-48.54	-292.04	942.12	772.27	747.48	24.80	31.143		
3,400.00	3,355.16	3,205.61	3,000.54	13.77	20.46	-48.65	-307.29	983.92	803.15	777.32	25.83	31.089		
3,500.00	3,452.62	3,289.49	3,084.59	14.28	21.27	-48.76	-322.54	1,025.72	834.03	807.28	26.75	31.178		
3,600.00	3,550.09	3,384.59	3,168.64	14.79	22.19	-48.85	-337.80	1,067.52	864.92	837.19	27.73	31.189		
3,700.00	3,647.55	3,479.69	3,252.69	15.30	23.12	-48.94	-353.05	1,109.32	895.80	867.09	28.72	31.195		
3,800.00	3,745.02	3,574.79	3,336.75	15.81	24.04	-49.02	-368.30	1,151.12	926.69	896.99	29.70	31.198		
3,900.00	3,842.49	3,669.90	3,420.80	16.32	24.97	-49.10	-383.55	1,192.92	957.58	926.89	30.69	31.199		
4,000.00	3,939.95	3,765.00	3,504.85	16.84	25.90	-49.17	-398.80	1,234.71	988.47	956.78	31.68	31.197		
4,100.00	4,037.42	3,860.10	3,588.90	17.35	26.83	-49.24	-414.05	1,276.51	1,019.36	986.68	32.68	31.193		
4,200.00	4,134.88	3,955.20	3,672.95	17.87	27.76	-49.31	-429.31	1,318.31	1,050.25	1,016.58	33.67	31.188		
4,300.00	4,232.35	4,050.31	3,757.00	18.39	28.69	-49.37	-444.56	1,360.11	1,081.15	1,046.48	34.67	31.182		
4,400.00	4,329.81	4,145.41	3,841.05	18.90	29.62	-49.42	-459.81	1,401.91	1,112.04	1,076.37	35.67	31.175		
4,500.00	4,427.28	4,240.51	3,925.11	19.42	30.55	-49.48	-475.06	1,443.71	1,142.94	1,106.27	36.67	31.167		
4,600.00	4,524.75	4,335.61	4,009.16	19.94	31.49	-49.53	-490.31	1,485.51	1,173.83	1,136.16	37.67	31.158		
4,700.00	4,622.21	4,430.71	4,093.21	20.46	32.42	-49.58	-505.57	1,527.31	1,204.73	1,166.06	38.68	31.149		
4,800.00	4,719.68	4,525.82	4,177.26	20.98	33.36	-49.62	-520.82	1,569.11	1,235.63	1,195.95	39.68	31.139		
4,900.00	4,817.14	4,620.92	4,261.31	21.50	34.29	-49.67	-536.07	1,610.91	1,266.53	1,225.84	40.69	31.129		
5,000.00	4,914.61	4,716.02	4,345.36	22.02	35.23	-49.71	-551.32	1,652.70	1,297.43	1,255.74	41.69	31.119		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	5,012.07	4,811.12	4,429.41	22.54	36.16	-49.75	-566.57	1,694.50	1,328.33	1,285.63	42.70	31.108		
5,200.00	5,109.54	4,906.22	4,513.47	23.06	37.10	-49.79	-581.83	1,736.30	1,359.23	1,315.52	43.71	31.098		
5,300.00	5,207.01	5,001.33	4,597.52	23.59	38.03	-49.83	-597.08	1,778.10	1,390.13	1,345.42	44.72	31.087		
5,400.00	5,304.47	5,103.57	4,681.57	24.11	39.04	-49.86	-612.33	1,819.90	1,421.03	1,375.27	45.77	31.048		
5,500.00	5,401.94	5,208.47	4,765.62	24.63	40.07	-49.89	-627.58	1,861.70	1,451.94	1,405.10	46.84	31.001		
5,600.00	5,499.40	5,286.63	4,849.67	25.16	40.85	-49.93	-642.83	1,903.50	1,482.84	1,435.09	47.75	31.054		
5,700.00	5,596.87	5,381.73	4,933.72	25.68	41.78	-49.96	-658.08	1,945.30	1,513.74	1,464.98	48.76	31.044		
5,800.00	5,694.33	5,476.84	5,017.77	26.20	42.72	-49.99	-673.34	1,987.10	1,544.65	1,494.87	49.77	31.033		
5,900.00	5,791.80	5,571.94	5,101.83	26.73	43.66	-50.01	-688.59	2,028.89	1,575.55	1,524.76	50.79	31.022		
6,000.00	5,889.27	5,667.04	5,185.88	27.25	44.60	-50.04	-703.84	2,070.69	1,606.45	1,554.65	51.80	31.011		
6,100.00	5,986.73	5,762.14	5,269.93	27.78	45.54	-50.07	-719.09	2,112.49	1,637.36	1,584.54	52.82	31.001		
6,200.00	6,084.20	5,857.25	5,353.98	28.30	46.47	-50.09	-734.34	2,154.29	1,668.26	1,614.43	53.83	30.990		
6,300.00	6,181.66	5,952.35	5,438.03	28.82	47.41	-50.12	-749.60	2,196.09	1,699.17	1,644.32	54.85	30.980		
6,400.00	6,279.13	6,047.45	5,522.08	29.35	48.35	-50.14	-764.85	2,237.89	1,730.07	1,674.21	55.86	30.970		
6,500.00	6,376.59	6,142.55	5,606.13	29.88	49.29	-50.16	-780.10	2,279.69	1,760.98	1,704.10	56.88	30.960		
6,600.00	6,474.06	6,237.65	5,690.19	30.40	50.23	-50.18	-795.35	2,321.49	1,791.89	1,733.99	57.90	30.950		
6,700.00	6,571.53	6,332.76	5,774.24	30.93	51.17	-50.21	-810.60	2,363.29	1,822.79	1,763.88	58.91	30.940		
6,800.00	6,668.99	6,427.86	5,858.29	31.45	52.11	-50.23	-825.85	2,405.08	1,853.70	1,793.77	59.93	30.930		
6,887.36	6,754.14	6,510.94	5,931.72	31.91	52.93	-50.24	-839.18	2,441.60	1,880.70	1,819.88	60.82	30.921		
6,900.00	6,766.46	6,522.95	5,942.34	31.98	53.05	-50.31	-841.11	2,446.88	1,884.62	1,823.67	60.95	30.921		
7,000.00	6,864.39	6,617.61	6,025.99	32.48	53.98	-50.80	-856.29	2,488.48	1,916.85	1,854.93	61.92	30.955		
7,100.00	6,962.96	6,819.07	6,206.29	32.94	55.88	-51.13	-887.07	2,572.85	1,949.47	1,885.57	63.90	30.508		
7,200.00	7,062.06	7,087.36	6,455.24	33.36	57.97	-51.33	-921.26	2,666.54	1,976.48	1,910.41	66.07	29.916		
7,300.00	7,161.57	7,366.43	6,722.91	33.74	59.65	-51.47	-948.19	2,740.35	1,996.93	1,929.21	67.72	29.487		
7,400.00	7,261.36	7,653.70	7,005.07	34.08	60.89	-51.55	-966.46	2,790.42	2,010.40	1,941.62	68.78	29.128		
7,500.00	7,361.31	7,945.91	7,296.09	34.39	61.68	-51.59	-975.01	2,813.86	2,016.60	1,947.40	69.21	29.139		
7,533.69	7,395.00	8,044.84	7,395.00	34.48	61.86	89.55	-975.60	2,815.46	2,017.03	1,947.83	69.20	29.148		
7,600.00	7,461.31	8,111.15	7,461.31	34.65	61.96	89.55	-975.60	2,815.46	2,017.03	1,947.50	69.52	29.012		
7,633.69	7,495.00	8,144.84	7,495.00	34.73	62.01	89.55	-975.60	2,815.46	2,017.03	1,947.34	69.69	28.944		
7,650.00	7,511.31	8,161.25	7,511.41	34.78	62.04	-90.11	-975.83	2,815.47	2,017.03	1,947.25	69.78	28.907		
7,700.00	7,561.16	8,211.56	7,561.56	34.94	62.12	-90.11	-979.48	2,815.49	2,017.03	1,946.93	70.09	28.777		
7,750.00	7,610.51	8,261.86	7,611.20	35.14	62.23	-90.10	-987.50	2,815.54	2,017.03	1,946.55	70.47	28.621		
7,800.00	7,658.98	8,312.15	7,659.94	35.37	62.35	-90.10	-999.85	2,815.61	2,017.03	1,946.11	70.92	28.441		
7,850.00	7,706.21	8,362.44	7,707.41	35.64	62.49	-90.10	-1,016.42	2,815.71	2,017.03	1,945.60	71.43	28.236		
7,900.00	7,751.82	8,412.72	7,753.23	35.93	62.65	-90.10	-1,037.08	2,815.84	2,017.03	1,945.02	72.01	28.010		
7,950.00	7,795.49	8,462.99	7,797.05	36.26	62.83	-90.09	-1,061.67	2,815.99	2,017.04	1,944.39	72.65	27.764		
8,000.00	7,836.86	8,513.24	7,838.54	36.62	63.02	-90.09	-1,090.00	2,816.16	2,017.04	1,943.69	73.35	27.499		
8,050.00	7,875.64	8,563.47	7,877.37	37.00	63.22	-90.08	-1,121.84	2,816.35	2,017.04	1,942.93	74.11	27.218		
8,100.00	7,911.52	8,613.69	7,913.26	37.42	63.44	-90.07	-1,156.94	2,816.56	2,017.05	1,942.12	74.92	26.922		
8,150.00	7,944.22	8,663.89	7,945.92	37.86	63.67	-90.07	-1,195.04	2,816.79	2,017.05	1,941.26	75.79	26.613		
8,200.00	7,973.51	8,714.07	7,975.11	38.32	63.92	-90.06	-1,235.83	2,817.04	2,017.06	1,940.34	76.71	26.294		
8,250.00	7,999.16	8,764.22	8,000.62	38.81	64.18	-90.05	-1,279.00	2,817.30	2,017.06	1,939.38	77.68	25.967		
8,300.00	8,020.98	8,814.36	8,022.24	39.31	64.46	-90.04	-1,324.21	2,817.58	2,017.07	1,938.38	78.69	25.634		
8,350.00	8,038.79	8,864.46	8,039.82	39.84	64.74	-90.03	-1,371.11	2,817.86	2,017.07	1,937.34	79.73	25.298		
8,400.00	8,052.46	8,914.54	8,053.23	40.38	65.04	-90.02	-1,419.34	2,818.15	2,017.08	1,936.28	80.80	24.963		
8,450.00	8,061.89	8,964.60	8,062.38	40.93	65.34	-90.02	-1,468.54	2,818.45	2,017.09	1,935.19	81.90	24.629		
8,500.00	8,067.01	9,014.63	8,067.20	41.49	65.66	-90.01	-1,518.32	2,818.75	2,017.09	1,934.08	83.01	24.300		
8,533.77	8,068.00	9,048.40	8,068.00	41.88	65.87	-90.00	-1,552.08	2,818.96	2,017.10	1,933.34	83.76	24.082		
8,600.00	8,068.00	9,114.63	8,068.00	42.64	66.31	-90.00	-1,618.31	2,819.36	2,017.11	1,931.84	85.26	23.658		
8,700.00	8,068.00	9,214.63	8,068.00	43.82	66.99	-90.00	-1,718.31	2,819.96	2,017.12	1,929.52	87.59	23.028		
8,800.00	8,068.00	9,314.63	8,067.99	45.04	67.71	-90.00	-1,818.30	2,820.57	2,017.13	1,927.12	90.01	22.411		
8,900.00	8,067.99	9,414.63	8,067.99	46.30	68.46	-90.00	-1,918.30	2,821.18	2,017.14	1,924.65	92.49	21.809		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,000.00	8,067.99	9,514.63	8,067.99	47.59	69.25	-90.00	-2,018.30	2,821.78	2,017.16	1,922.11	95.04	21.223		
9,100.00	8,067.99	9,614.63	8,067.99	48.91	70.06	-90.00	-2,118.30	2,822.39	2,017.17	1,919.51	97.66	20.655		
9,200.00	8,067.99	9,714.63	8,067.98	50.26	70.91	-90.00	-2,218.30	2,822.99	2,017.18	1,916.85	100.33	20.105		
9,300.00	8,067.99	9,814.63	8,067.98	51.63	71.80	-90.00	-2,318.30	2,823.60	2,017.19	1,914.14	103.05	19.574		
9,400.00	8,067.99	9,914.63	8,067.98	53.03	72.71	-90.00	-2,418.29	2,824.21	2,017.21	1,911.38	105.83	19.061		
9,500.00	8,067.98	10,014.63	8,067.98	54.44	73.65	-90.00	-2,518.29	2,824.81	2,017.22	1,908.57	108.64	18.567		
9,600.00	8,067.98	10,114.63	8,067.98	55.88	74.63	-90.00	-2,618.29	2,825.42	2,017.23	1,905.73	111.50	18.091		
9,700.00	8,067.98	10,214.63	8,067.97	57.34	75.63	-90.00	-2,718.29	2,826.02	2,017.24	1,902.84	114.40	17.633		
9,800.00	8,067.98	10,314.63	8,067.97	58.81	76.66	-90.00	-2,818.29	2,826.63	2,017.25	1,899.92	117.33	17.193		
9,900.00	8,067.98	10,414.63	8,067.97	60.31	77.72	-90.00	-2,918.28	2,827.23	2,017.27	1,896.97	120.30	16.769		
10,000.00	8,067.98	10,514.63	8,067.97	61.81	78.81	-90.00	-3,018.28	2,827.84	2,017.28	1,893.98	123.29	16.362		
10,100.00	8,067.98	10,614.63	8,067.96	63.33	79.92	-90.00	-3,118.28	2,828.45	2,017.29	1,890.97	126.32	15.970		
10,200.00	8,067.97	10,714.63	8,067.96	64.86	81.05	-90.00	-3,218.28	2,829.05	2,017.30	1,887.93	129.37	15.594		
10,300.00	8,067.97	10,814.63	8,067.96	66.41	82.21	-90.00	-3,318.28	2,829.66	2,017.31	1,884.87	132.44	15.232		
10,400.00	8,067.97	10,914.63	8,067.96	67.96	83.39	-90.00	-3,418.28	2,830.26	2,017.32	1,881.78	135.54	14.883		
10,500.00	8,067.97	11,014.63	8,067.95	69.53	84.60	-90.00	-3,518.27	2,830.87	2,017.33	1,878.67	138.66	14.549		
10,600.00	8,067.97	11,114.63	8,067.95	71.10	85.82	-90.00	-3,618.27	2,831.48	2,017.35	1,875.54	141.80	14.227		
10,700.00	8,067.97	11,214.63	8,067.95	72.69	87.07	-90.00	-3,718.27	2,832.08	2,017.36	1,872.40	144.96	13.917		
10,800.00	8,067.97	11,314.63	8,067.95	74.28	88.33	-90.00	-3,818.27	2,832.69	2,017.37	1,869.23	148.14	13.618		
10,900.00	8,067.97	11,414.63	8,067.94	75.88	89.61	-90.00	-3,918.27	2,833.29	2,017.38	1,866.05	151.33	13.331		
11,000.00	8,067.97	11,514.63	8,067.94	77.49	90.91	-90.00	-4,018.26	2,833.90	2,017.39	1,862.85	154.54	13.055		
11,100.00	8,067.97	11,614.63	8,067.94	79.10	92.23	-90.00	-4,118.26	2,834.51	2,017.40	1,859.64	157.76	12.788		
11,200.00	8,067.96	11,714.63	8,067.94	80.73	93.57	-90.00	-4,218.26	2,835.11	2,017.41	1,856.42	160.99	12.531		
11,300.00	8,067.96	11,814.63	8,067.93	82.35	94.92	-90.00	-4,318.26	2,835.72	2,017.42	1,853.18	164.24	12.283		
11,400.00	8,067.96	11,914.63	8,067.93	83.99	96.28	-90.00	-4,418.26	2,836.32	2,017.43	1,849.93	167.50	12.044		
11,500.00	8,067.96	12,014.63	8,067.93	85.63	97.66	-90.00	-4,518.26	2,836.93	2,017.44	1,846.67	170.77	11.814		
11,600.00	8,067.96	12,114.63	8,067.93	87.27	99.05	-90.00	-4,618.25	2,837.54	2,017.45	1,843.40	174.06	11.591		
11,700.00	8,067.96	12,214.63	8,067.93	88.92	100.46	-90.00	-4,718.25	2,838.14	2,017.46	1,840.11	177.35	11.376		
11,800.00	8,067.96	12,314.63	8,067.92	90.58	101.88	-90.00	-4,818.25	2,838.75	2,017.47	1,836.82	180.65	11.168		
11,900.00	8,067.96	12,414.63	8,067.92	92.23	103.31	-90.00	-4,918.25	2,839.35	2,017.48	1,833.52	183.96	10.967		
12,000.00	8,067.96	12,514.63	8,067.92	93.90	104.75	-90.00	-5,018.25	2,839.96	2,017.49	1,830.21	187.28	10.772		
12,100.00	8,067.96	12,614.63	8,067.92	95.56	106.21	-90.00	-5,118.24	2,840.56	2,017.50	1,826.89	190.61	10.584		
12,200.00	8,067.96	12,714.63	8,067.91	97.23	107.67	-90.00	-5,218.24	2,841.17	2,017.51	1,823.56	193.95	10.402		
12,300.00	8,067.96	12,814.63	8,067.91	98.91	109.14	-90.00	-5,318.24	2,841.78	2,017.52	1,820.23	197.29	10.226		
12,400.00	8,067.96	12,914.63	8,067.91	100.59	110.63	-90.00	-5,418.24	2,842.38	2,017.53	1,816.89	200.64	10.055		
12,500.00	8,067.96	13,014.63	8,067.91	102.27	112.12	-90.00	-5,518.24	2,842.99	2,017.54	1,813.54	204.00	9.890		
12,600.00	8,067.96	13,114.63	8,067.90	103.95	113.62	-90.00	-5,618.24	2,843.59	2,017.55	1,810.19	207.36	9.730		
12,700.00	8,067.96	13,214.63	8,067.90	105.64	115.13	-90.00	-5,718.23	2,844.20	2,017.56	1,806.83	210.73	9.574		
12,800.00	8,067.96	13,314.63	8,067.90	107.33	116.65	-90.00	-5,818.23	2,844.81	2,017.57	1,803.46	214.10	9.423		
12,900.00	8,067.96	13,414.63	8,067.90	109.02	118.18	-90.00	-5,918.23	2,845.41	2,017.58	1,800.09	217.48	9.277		
13,000.00	8,067.96	13,514.63	8,067.89	110.71	119.71	-90.00	-6,018.23	2,846.02	2,017.59	1,796.72	220.87	9.135		
13,100.00	8,067.96	13,614.63	8,067.89	112.41	121.25	-90.00	-6,118.23	2,846.62	2,017.59	1,793.33	224.26	8.997		
13,200.00	8,067.96	13,714.63	8,067.89	114.11	122.80	-90.00	-6,218.22	2,847.23	2,017.60	1,789.95	227.66	8.863		
13,300.00	8,067.96	13,814.63	8,067.89	115.81	124.35	-90.00	-6,318.22	2,847.84	2,017.61	1,786.56	231.06	8.732		
13,400.00	8,067.96	13,914.63	8,067.89	117.52	125.91	-90.00	-6,418.22	2,848.44	2,017.62	1,783.16	234.46	8.605		
13,500.00	8,067.96	14,014.63	8,067.88	119.22	127.48	-90.00	-6,518.22	2,849.05	2,017.63	1,779.76	237.87	8.482		
13,600.00	8,067.96	14,114.63	8,067.88	120.93	129.05	-90.00	-6,618.22	2,849.65	2,017.64	1,776.36	241.28	8.362		
13,700.00	8,067.96	14,214.63	8,067.88	122.64	130.63	-90.00	-6,718.21	2,850.26	2,017.65	1,772.95	244.70	8.246		
13,800.00	8,067.96	14,314.63	8,067.88	124.35	132.21	-90.00	-6,818.21	2,850.86	2,017.65	1,769.54	248.12	8.132		
13,900.00	8,067.96	14,414.63	8,067.87	126.06	133.80	-90.00	-6,918.21	2,851.47	2,017.66	1,766.12	251.54	8.021		
14,000.00	8,067.96	14,514.63	8,067.87	127.78	135.39	-90.00	-7,018.21	2,852.08	2,017.67	1,762.71	254.96	7.914		
14,100.00	8,067.96	14,614.63	8,067.87	129.50	136.99	-90.00	-7,118.21	2,852.68	2,017.68	1,759.28	258.39	7.809		

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



# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	8,067.96	14,714.63	8,067.87	131.21	138.59	-90.00	-7,218.21	2,853.29	2,017.69	1,755.86	261.83	7.706		
14,300.00	8,067.96	14,814.63	8,067.86	132.93	140.20	-90.00	-7,318.20	2,853.89	2,017.69	1,752.43	265.26	7.606		
14,400.00	8,067.96	14,914.63	8,067.86	134.65	141.81	-90.00	-7,418.20	2,854.50	2,017.70	1,749.00	268.70	7.509		
14,500.00	8,067.96	15,014.63	8,067.86	136.38	143.43	-90.00	-7,518.20	2,855.11	2,017.71	1,745.57	272.14	7.414		
14,600.00	8,067.96	15,114.63	8,067.86	138.10	145.05	-90.00	-7,618.20	2,855.71	2,017.72	1,742.13	275.59	7.322		
14,700.00	8,067.96	15,214.63	8,067.85	139.82	146.67	-90.00	-7,718.20	2,856.32	2,017.72	1,738.69	279.03	7.231		
14,800.00	8,067.96	15,314.63	8,067.85	141.55	148.30	-90.00	-7,818.19	2,856.92	2,017.73	1,735.25	282.48	7.143		
14,900.00	8,067.96	15,414.63	8,067.85	143.28	149.93	-90.00	-7,918.19	2,857.53	2,017.74	1,731.81	285.93	7.057		
15,000.00	8,067.96	15,514.63	8,067.85	145.00	151.56	-90.00	-8,018.19	2,858.14	2,017.75	1,728.36	289.39	6.972		
15,100.00	8,067.96	15,614.63	8,067.85	146.73	153.20	-90.00	-8,118.19	2,858.74	2,017.75	1,724.91	292.84	6.890		
15,200.00	8,067.96	15,714.63	8,067.84	148.46	154.84	-90.00	-8,218.19	2,859.35	2,017.76	1,721.46	296.30	6.810		
15,300.00	8,067.96	15,814.63	8,067.84	150.19	156.48	-90.00	-8,318.19	2,859.95	2,017.77	1,718.01	299.76	6.731		
15,400.00	8,067.96	15,914.63	8,067.84	151.93	158.13	-90.00	-8,418.18	2,860.56	2,017.77	1,714.55	303.22	6.654		
15,500.00	8,067.96	16,014.63	8,067.84	153.66	159.78	-90.00	-8,518.18	2,861.16	2,017.78	1,711.09	306.69	6.579		
15,600.00	8,067.96	16,114.63	8,067.83	155.39	161.43	-90.00	-8,618.18	2,861.77	2,017.79	1,707.63	310.15	6.506		
15,700.00	8,067.97	16,214.63	8,067.83	157.13	163.09	-90.00	-8,718.18	2,862.38	2,017.79	1,704.17	313.62	6.434		
15,800.00	8,067.97	16,314.63	8,067.83	158.86	164.74	-90.00	-8,818.18	2,862.98	2,017.80	1,700.71	317.09	6.363		
15,900.00	8,067.97	16,414.63	8,067.83	160.60	166.40	-90.00	-8,918.17	2,863.59	2,017.81	1,697.24	320.56	6.295		
16,000.00	8,067.97	16,514.63	8,067.82	162.34	168.07	-90.00	-9,018.17	2,864.19	2,017.81	1,693.78	324.04	6.227		
16,100.00	8,067.97	16,614.63	8,067.82	164.08	169.73	-90.00	-9,118.17	2,864.80	2,017.82	1,690.31	327.51	6.161		
16,200.00	8,067.97	16,714.63	8,067.82	165.81	171.40	-90.00	-9,218.17	2,865.41	2,017.83	1,686.84	330.99	6.096		
16,300.00	8,067.97	16,814.63	8,067.82	167.55	173.07	-90.00	-9,318.17	2,866.01	2,017.83	1,683.37	334.46	6.033		
16,400.00	8,067.97	16,914.63	8,067.81	169.29	174.74	-90.00	-9,418.17	2,866.62	2,017.84	1,679.90	337.94	5.971		
16,500.00	8,067.97	17,014.63	8,067.81	171.04	176.41	-90.00	-9,518.16	2,867.22	2,017.84	1,676.42	341.42	5.910		
16,600.00	8,067.98	17,114.63	8,067.81	172.78	178.09	-90.00	-9,618.16	2,867.83	2,017.85	1,672.95	344.90	5.850		
16,700.00	8,067.98	17,214.63	8,067.81	174.52	179.77	-90.00	-9,718.16	2,868.44	2,017.86	1,669.47	348.39	5.792		
16,800.00	8,067.98	17,314.63	8,067.81	176.26	181.45	-90.00	-9,818.16	2,869.04	2,017.86	1,665.99	351.87	5.735		
16,900.00	8,067.98	17,414.63	8,067.80	178.01	183.13	-89.99	-9,918.16	2,869.65	2,017.87	1,662.51	355.36	5.678		
17,000.00	8,067.98	17,514.63	8,067.80	179.75	184.81	-89.99	-10,018.15	2,870.25	2,017.87	1,659.03	358.84	5.623		
17,100.00	8,067.98	17,614.63	8,067.80	181.49	186.50	-89.99	-10,118.15	2,870.86	2,017.88	1,655.55	362.33	5.569		
17,200.00	8,067.98	17,714.63	8,067.80	183.24	188.18	-89.99	-10,218.15	2,871.47	2,017.88	1,652.06	365.82	5.516		
17,300.00	8,067.99	17,814.63	8,067.79	184.99	189.87	-89.99	-10,318.15	2,872.07	2,017.89	1,648.58	369.31	5.464		
17,400.00	8,067.99	17,914.63	8,067.79	186.73	191.56	-89.99	-10,418.15	2,872.68	2,017.89	1,645.09	372.80	5.413		
17,500.00	8,067.99	18,014.63	8,067.79	188.48	193.25	-89.99	-10,518.15	2,873.28	2,017.90	1,641.60	376.29	5.363		
17,600.00	8,067.99	18,114.63	8,067.79	190.23	194.95	-89.99	-10,618.14	2,873.89	2,017.90	1,638.12	379.79	5.313		
17,700.00	8,067.99	18,214.63	8,067.78	191.97	196.64	-89.99	-10,718.14	2,874.49	2,017.91	1,634.63	383.28	5.265		
17,800.00	8,067.99	18,314.63	8,067.78	193.72	198.34	-89.99	-10,818.14	2,875.10	2,017.91	1,631.14	386.77	5.217		
17,900.00	8,068.00	18,414.63	8,067.78	195.47	200.03	-89.99	-10,918.14	2,875.71	2,017.92	1,627.65	390.27	5.171		
18,000.00	8,068.00	18,514.63	8,067.78	197.22	201.73	-89.99	-11,018.14	2,876.31	2,017.92	1,624.15	393.77	5.125		
18,100.00	8,068.00	18,614.63	8,067.77	198.97	203.43	-89.99	-11,118.13	2,876.92	2,017.93	1,620.66	397.26	5.080		
18,184.63	8,068.00	18,709.93	8,067.91	200.45	205.05	-90.00	-11,213.43	2,877.44	2,017.90	1,617.79	400.11	5.043		
18,185.16	8,068.00	18,710.46	8,067.92	200.47	205.06	-90.00	-11,213.95	2,877.44	2,017.90	1,617.77	400.13	5.043 SF		



# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	90.32	-0.90	161.95	161.95					
100.00	100.00	100.00	100.00	0.13	0.13	90.32	-0.90	161.95	161.95	161.68	0.27	602.384		
200.00	200.00	200.00	200.00	0.49	0.49	90.32	-0.90	161.95	161.95	160.97	0.99	164.287		
300.00	300.00	300.00	300.00	0.85	0.85	90.32	-0.90	161.95	161.95	160.25	1.70	95.113		
400.00	400.00	400.00	400.00	1.21	1.21	90.32	-0.90	161.95	161.95	159.53	2.42	66.932		
500.00	500.00	500.00	500.00	1.57	1.57	90.32	-0.90	161.95	161.95	158.82	3.14	51.633 CC, ES		
600.00	600.00	594.84	594.83	1.93	1.90	90.48	-1.38	163.45	163.54	159.71	3.83	42.753		
700.00	700.00	689.48	689.34	2.29	2.23	90.95	-2.79	167.92	168.28	163.78	4.51	37.343		
800.00	800.00	783.70	783.24	2.64	2.56	91.68	-5.14	175.33	176.21	171.02	5.19	33.975		
900.00	900.00	877.31	876.22	3.00	2.91	92.59	-8.39	185.61	187.31	181.45	5.86	31.948		
1,000.00	1,000.00	970.12	968.01	3.36	3.27	93.60	-12.51	198.65	201.59	195.06	6.53	30.852		
1,100.00	1,100.00	1,061.94	1,058.35	3.72	3.66	94.66	-17.47	214.33	219.04	211.84	7.20	30.430		
1,200.00	1,200.00	1,152.61	1,146.98	4.08	4.06	95.70	-23.23	232.52	239.61	231.76	7.85	30.509		
1,300.00	1,299.98	1,242.29	1,234.02	4.42	4.49	-44.38	-29.75	253.13	262.07	253.59	8.47	30.923		
1,400.00	1,399.84	1,331.25	1,319.63	4.75	4.95	-43.78	-37.02	276.13	285.09	276.01	9.09	31.375		
1,500.00	1,499.45	1,419.45	1,403.74	5.09	5.44	-43.54	-45.02	301.42	308.63	298.94	9.70	31.826		
1,600.00	1,598.70	1,506.88	1,486.28	5.44	5.96	-43.58	-53.72	328.92	332.65	322.34	10.31	32.253		
1,700.00	1,697.47	1,593.53	1,567.17	5.81	6.53	-43.83	-63.09	358.53	357.14	346.20	10.94	32.644		
1,800.00	1,795.62	1,679.38	1,646.34	6.19	7.14	-44.24	-73.09	390.16	382.10	370.51	11.58	32.986		
1,846.33	1,840.86	1,718.88	1,682.44	6.38	7.43	-44.48	-77.94	405.47	393.83	381.94	11.89	33.131		
1,900.00	1,893.17	1,764.35	1,723.71	6.60	7.79	-44.94	-83.70	423.68	407.90	395.65	12.25	33.305		
2,000.00	1,990.64	1,848.09	1,798.89	7.02	8.47	-45.65	-94.82	458.83	436.29	423.36	12.93	33.749		
2,100.00	2,088.10	1,930.44	1,871.74	7.46	9.19	-46.20	-106.40	495.43	467.42	453.80	13.61	34.337		
2,200.00	2,185.57	2,011.29	1,942.16	7.91	9.94	-46.60	-118.37	533.29	501.19	486.89	14.30	35.050		
2,300.00	2,283.03	2,090.57	2,010.10	8.37	10.73	-46.89	-130.69	572.24	537.51	522.52	14.99	35.868		
2,400.00	2,380.50	2,168.90	2,076.10	8.84	11.55	-47.07	-143.42	612.47	576.28	560.60	15.68	36.760		
2,500.00	2,477.97	2,260.60	2,152.75	9.32	12.55	-47.24	-158.60	660.46	616.14	599.56	16.58	37.161		
2,600.00	2,575.43	2,352.30	2,229.40	9.80	13.57	-47.38	-173.78	708.45	656.00	638.51	17.50	37.496		
2,700.00	2,672.90	2,444.00	2,306.05	10.28	14.59	-47.51	-188.96	756.44	695.87	677.45	18.42	37.774		
2,800.00	2,770.36	2,535.70	2,382.70	10.77	15.63	-47.62	-204.14	804.42	735.74	716.39	19.36	38.008		
2,900.00	2,867.83	2,627.40	2,459.34	11.26	16.67	-47.72	-219.32	852.41	775.62	755.32	20.30	38.205		
3,000.00	2,965.29	2,719.09	2,535.99	11.76	17.72	-47.81	-234.51	900.40	815.49	794.24	21.25	38.371		
3,100.00	3,062.76	2,810.79	2,612.64	12.26	18.78	-47.89	-249.69	948.39	855.37	833.16	22.21	38.513		
3,200.00	3,160.23	2,902.49	2,689.29	12.76	19.84	-47.97	-264.87	996.38	895.25	872.07	23.17	38.633		
3,300.00	3,257.69	3,005.81	2,765.94	13.27	21.03	-48.04	-280.05	1,044.37	935.13	910.92	24.21	38.627		
3,400.00	3,355.16	3,085.89	2,842.59	13.77	21.97	-48.10	-295.23	1,092.36	975.01	949.89	25.11	38.825		
3,500.00	3,452.62	3,177.59	2,919.24	14.28	23.03	-48.16	-310.41	1,140.35	1,014.89	988.80	26.09	38.902		
3,600.00	3,550.09	3,269.29	2,995.89	14.79	24.11	-48.21	-325.59	1,188.34	1,054.77	1,027.70	27.07	38.967		
3,700.00	3,647.55	3,360.98	3,072.54	15.30	25.18	-48.26	-340.77	1,236.33	1,094.65	1,066.60	28.05	39.025		
3,800.00	3,745.02	3,452.68	3,149.19	15.81	26.26	-48.31	-355.95	1,284.32	1,134.54	1,105.50	29.04	39.074		
3,900.00	3,842.49	3,544.38	3,225.84	16.32	27.33	-48.35	-371.14	1,332.31	1,174.42	1,144.40	30.02	39.117		
4,000.00	3,939.95	3,636.08	3,302.49	16.84	28.41	-48.39	-386.32	1,380.30	1,214.30	1,183.29	31.01	39.154		
4,100.00	4,037.42	3,727.78	3,379.14	17.35	29.49	-48.43	-401.50	1,428.29	1,254.19	1,222.18	32.01	39.187		
4,200.00	4,134.88	3,819.48	3,455.79	17.87	30.57	-48.47	-416.68	1,476.28	1,294.08	1,261.08	33.00	39.215		
4,300.00	4,232.35	3,911.18	3,532.44	18.39	31.65	-48.50	-431.86	1,524.27	1,333.96	1,299.97	34.00	39.240		
4,400.00	4,329.81	4,002.87	3,609.09	18.90	32.73	-48.53	-447.04	1,572.26	1,373.85	1,338.85	34.99	39.261		
4,500.00	4,427.28	4,094.57	3,685.74	19.42	33.82	-48.56	-462.22	1,620.25	1,413.73	1,377.74	35.99	39.279		
4,600.00	4,524.75	4,186.27	3,762.39	19.94	34.90	-48.59	-477.40	1,668.24	1,453.62	1,416.63	36.99	39.295		
4,700.00	4,622.21	4,277.97	3,839.04	20.46	35.99	-48.61	-492.58	1,716.23	1,493.51	1,455.51	37.99	39.309		
4,800.00	4,719.68	4,369.67	3,915.69	20.98	37.07	-48.64	-507.76	1,764.22	1,533.39	1,494.40	39.00	39.321		
4,900.00	4,817.14	4,461.37	3,992.34	21.50	38.16	-48.66	-522.95	1,812.21	1,573.28	1,533.28	40.00	39.331		
5,000.00	4,914.61	4,553.07	4,068.99	22.02	39.25	-48.69	-538.13	1,860.20	1,613.17	1,572.16	41.01	39.340		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	5,012.07	4,644.76	4,145.64	22.54	40.33	-48.71	-553.31	1,908.19	1,653.06	1,611.05	42.01	39.347		
5,200.00	5,109.54	4,736.46	4,222.29	23.06	41.42	-48.73	-568.49	1,956.17	1,692.95	1,649.93	43.02	39.353		
5,300.00	5,207.01	4,828.16	4,298.94	23.59	42.51	-48.75	-583.67	2,004.16	1,732.83	1,688.81	44.03	39.358		
5,400.00	5,304.47	4,919.86	4,375.59	24.11	43.60	-48.77	-598.85	2,052.15	1,772.72	1,727.69	45.04	39.362		
5,500.00	5,401.94	5,011.56	4,452.24	24.63	44.69	-48.78	-614.03	2,100.14	1,812.61	1,766.57	46.05	39.365		
5,600.00	5,499.40	5,103.26	4,528.89	25.16	45.77	-48.80	-629.21	2,148.13	1,852.50	1,805.44	47.06	39.368		
5,700.00	5,596.87	5,194.96	4,605.53	25.68	46.86	-48.82	-644.39	2,196.12	1,892.39	1,844.32	48.07	39.369		
5,800.00	5,694.33	5,286.65	4,682.18	26.20	47.95	-48.83	-659.57	2,244.11	1,932.28	1,883.20	49.08	39.370		
5,900.00	5,791.80	5,378.35	4,758.83	26.73	49.04	-48.85	-674.76	2,292.10	1,972.17	1,922.08	50.09	39.371		
6,000.00	5,889.27	5,470.05	4,835.48	27.25	50.13	-48.86	-689.94	2,340.09	2,012.06	1,960.95	51.11	39.371		
6,100.00	5,986.73	5,561.75	4,912.13	27.78	51.22	-48.88	-705.12	2,388.08	2,051.95	1,999.83	52.12	39.371		
6,200.00	6,084.20	5,653.45	4,988.78	28.30	52.31	-48.89	-720.30	2,436.07	2,091.84	2,038.70	53.13	39.370		
6,300.00	6,181.66	5,745.15	5,065.43	28.82	53.41	-48.90	-735.48	2,484.06	2,131.73	2,077.58	54.15	39.368		
6,400.00	6,279.13	5,836.85	5,142.08	29.35	54.50	-48.92	-750.66	2,532.05	2,171.62	2,116.45	55.16	39.367		
6,500.00	6,376.59	5,928.54	5,218.73	29.88	55.59	-48.93	-765.84	2,580.04	2,211.51	2,155.33	56.18	39.365		
6,600.00	6,474.06	6,020.24	5,295.38	30.40	56.68	-48.94	-781.02	2,628.03	2,251.39	2,194.20	57.20	39.363		
6,700.00	6,571.53	6,111.94	5,372.03	30.93	57.77	-48.95	-796.20	2,676.02	2,291.28	2,233.07	58.21	39.361		
6,800.00	6,668.99	6,203.64	5,448.68	31.45	58.86	-48.96	-811.38	2,724.01	2,331.17	2,271.94	59.23	39.358		
6,887.36	6,754.14	6,283.75	5,515.64	31.91	59.82	-48.97	-824.65	2,765.93	2,366.02	2,305.90	60.12	39.355		
6,900.00	6,766.46	6,295.33	5,525.32	31.98	59.95	-49.06	-826.56	2,771.99	2,371.08	2,310.83	60.25	39.356		
7,000.00	6,864.39	6,580.90	5,769.40	32.48	63.13	-49.65	-871.21	2,913.13	2,410.35	2,347.13	63.21	38.130		
7,100.00	6,962.96	7,079.04	6,225.78	32.94	67.28	-50.21	-930.96	3,102.01	2,438.43	2,371.48	66.95	36.422		
7,200.00	7,062.06	7,611.46	6,743.47	33.36	69.87	-50.86	-967.47	3,217.41	2,451.89	2,383.09	68.80	35.638		
7,300.00	7,161.57	8,030.78	7,161.57	33.74	70.78	-51.44	-975.53	3,242.91	2,450.40	2,381.44	68.96	35.534		
7,400.00	7,261.36	8,131.02	7,261.80	34.08	70.91	-51.48	-976.21	3,242.91	2,446.40	2,376.81	69.58	35.158		
7,500.00	7,361.31	8,231.08	7,360.81	34.39	71.08	-51.18	-989.74	3,242.93	2,444.55	2,374.52	70.03	34.905		
7,529.07	7,390.38	8,259.03	7,387.90	34.47	71.14	-51.02	-996.59	3,242.94	2,444.45	2,374.32	70.13	34.857		
7,533.69	7,395.00	8,263.40	7,392.11	34.48	71.15	90.15	-997.78	3,242.94	2,444.45	2,374.31	70.14	34.849		
7,600.00	7,461.31	8,323.86	7,449.23	34.65	71.29	90.61	-1,017.49	3,242.97	2,444.64	2,374.31	70.33	34.758		
7,633.69	7,495.00	8,352.79	7,475.76	34.73	71.36	90.88	-1,029.03	3,242.99	2,444.85	2,374.43	70.42	34.716		
7,650.00	7,511.31	8,366.43	7,488.06	34.78	71.40	-88.63	-1,034.93	3,242.99	2,444.99	2,374.51	70.48	34.691		
7,700.00	7,561.16	8,407.52	7,524.20	34.94	71.52	-88.18	-1,054.46	3,243.02	2,445.50	2,374.79	70.71	34.585		
7,750.00	7,610.51	8,447.63	7,558.05	35.14	71.65	-87.75	-1,075.97	3,243.06	2,446.13	2,375.10	71.03	34.437		
7,800.00	7,658.98	8,486.89	7,589.64	35.37	71.78	-87.32	-1,099.26	3,243.09	2,446.87	2,375.42	71.45	34.247		
7,850.00	7,706.21	8,525.40	7,619.01	35.64	71.91	-86.92	-1,124.16	3,243.13	2,447.69	2,375.74	71.95	34.020		
7,900.00	7,751.82	8,563.25	7,646.18	35.93	72.05	-86.53	-1,150.49	3,243.16	2,448.56	2,376.04	72.53	33.760		
7,950.00	7,795.49	8,600.00	7,670.85	36.26	72.20	-86.16	-1,177.73	3,243.20	2,449.47	2,376.28	73.19	33.467		
8,000.00	7,836.86	8,637.28	7,694.03	36.62	72.35	-85.81	-1,206.92	3,243.25	2,450.39	2,376.47	73.92	33.147		
8,050.00	7,875.64	8,673.59	7,714.74	37.00	72.51	-85.48	-1,236.74	3,243.29	2,451.30	2,376.56	74.73	32.802		
8,100.00	7,911.52	8,709.53	7,733.34	37.42	72.66	-85.18	-1,267.48	3,243.34	2,452.17	2,376.56	75.60	32.435		
8,150.00	7,944.22	8,745.12	7,749.82	37.86	72.83	-84.91	-1,299.02	3,243.38	2,452.98	2,376.44	76.54	32.048		
8,200.00	7,973.51	8,780.43	7,764.21	38.32	73.00	-84.67	-1,331.26	3,243.43	2,453.73	2,376.19	77.54	31.646		
8,250.00	7,999.16	8,815.49	7,776.50	38.81	73.17	-84.46	-1,364.09	3,243.48	2,454.38	2,375.79	78.59	31.231		
8,300.00	8,020.98	8,850.00	7,786.62	39.31	73.34	-84.28	-1,397.08	3,243.53	2,454.93	2,375.24	79.69	30.807		
8,350.00	8,038.79	8,885.04	7,794.84	39.84	73.52	-84.13	-1,431.13	3,243.58	2,455.36	2,374.53	80.83	30.378		
8,400.00	8,052.46	8,919.60	7,800.90	40.38	73.70	-84.02	-1,465.15	3,243.63	2,455.66	2,373.66	82.00	29.946		
8,450.00	8,061.89	8,950.00	7,804.53	40.93	73.86	-83.95	-1,495.33	3,243.67	2,455.84	2,372.60	83.23	29.506		
8,500.00	8,067.01	8,988.44	7,806.81	41.49	74.07	-83.90	-1,533.70	3,243.73	2,455.86	2,371.43	84.42	29.090		
8,533.77	8,068.00	9,015.45	7,807.00	41.88	74.22	-83.90	-1,560.71	3,243.77	2,455.78	2,370.56	85.22	28.816		
8,600.00	8,068.00	9,081.68	7,807.00	42.64	74.59	-83.90	-1,626.94	3,243.87	2,455.49	2,368.77	86.72	28.316		
8,700.00	8,068.00	9,181.68	7,807.00	43.82	75.18	-83.90	-1,726.94	3,244.01	2,455.05	2,366.00	89.04	27.571		
8,800.00	8,068.00	9,281.68	7,807.00	45.04	75.80	-83.90	-1,826.94	3,244.16	2,454.60	2,363.16	91.45	26.842		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
8,900.00	8,067.99	9,381.69	7,807.00	46.30	76.45	-83.90	-1,926.94	3,244.31	2,454.16	2,360.24	93.92	26.130		
9,000.00	8,067.99	9,481.69	7,807.00	47.59	77.13	-83.89	-2,026.94	3,244.45	2,453.71	2,357.25	96.46	25.438		
9,100.00	8,067.99	9,581.69	7,807.00	48.91	77.83	-83.89	-2,126.95	3,244.60	2,453.27	2,354.21	99.06	24.766		
9,200.00	8,067.99	9,681.69	7,807.00	50.26	78.57	-83.89	-2,226.95	3,244.75	2,452.82	2,351.11	101.71	24.115		
9,300.00	8,067.99	9,781.69	7,807.00	51.63	79.33	-83.89	-2,326.95	3,244.89	2,452.38	2,347.96	104.42	23.486		
9,400.00	8,067.99	9,881.70	7,807.00	53.03	80.12	-83.89	-2,426.95	3,245.04	2,451.93	2,344.76	107.17	22.878		
9,500.00	8,067.98	9,981.70	7,807.00	54.44	80.94	-83.89	-2,526.95	3,245.19	2,451.49	2,341.52	109.97	22.292		
9,600.00	8,067.98	10,081.70	7,807.00	55.88	81.79	-83.89	-2,626.96	3,245.33	2,451.04	2,338.24	112.81	21.727		
9,700.00	8,067.98	10,181.70	7,807.00	57.34	82.67	-83.89	-2,726.96	3,245.48	2,450.60	2,334.91	115.68	21.183		
9,800.00	8,067.98	10,281.70	7,807.00	58.81	83.57	-83.89	-2,826.96	3,245.62	2,450.15	2,331.56	118.60	20.660		
9,900.00	8,067.98	10,381.71	7,807.00	60.31	84.50	-83.88	-2,926.96	3,245.77	2,449.71	2,328.17	121.54	20.156		
10,000.00	8,067.98	10,481.71	7,807.00	61.81	85.46	-83.88	-3,026.96	3,245.91	2,449.26	2,324.75	124.51	19.671		
10,100.00	8,067.98	10,581.71	7,807.00	63.33	86.44	-83.88	-3,126.96	3,246.06	2,448.81	2,321.30	127.52	19.204		
10,200.00	8,067.97	10,681.71	7,807.00	64.86	87.45	-83.88	-3,226.97	3,246.21	2,448.37	2,317.82	130.54	18.755		
10,300.00	8,067.97	10,781.71	7,807.00	66.41	88.48	-83.88	-3,326.97	3,246.35	2,447.92	2,314.32	133.60	18.323		
10,400.00	8,067.97	10,881.72	7,807.01	67.96	89.54	-83.88	-3,426.97	3,246.50	2,447.47	2,310.80	136.67	17.907		
10,500.00	8,067.97	10,981.72	7,807.01	69.53	90.62	-83.88	-3,526.97	3,246.64	2,447.03	2,307.26	139.77	17.508		
10,600.00	8,067.97	11,081.72	7,807.01	71.10	91.73	-83.88	-3,626.97	3,246.79	2,446.58	2,303.69	142.89	17.122		
10,700.00	8,067.97	11,181.72	7,807.01	72.69	92.85	-83.88	-3,726.97	3,246.93	2,446.13	2,300.11	146.02	16.752		
10,800.00	8,067.97	11,281.72	7,807.01	74.28	94.00	-83.87	-3,826.98	3,247.07	2,445.68	2,296.51	149.18	16.395		
10,900.00	8,067.97	11,381.72	7,807.01	75.88	95.16	-83.87	-3,926.98	3,247.22	2,445.23	2,292.89	152.34	16.051		
11,000.00	8,067.97	11,481.73	7,807.01	77.49	96.35	-83.87	-4,026.98	3,247.36	2,444.79	2,289.26	155.53	15.719		
11,100.00	8,067.97	11,581.73	7,807.01	79.10	97.56	-83.87	-4,126.98	3,247.51	2,444.34	2,285.61	158.73	15.399		
11,200.00	8,067.96	11,681.73	7,807.01	80.73	98.78	-83.87	-4,226.98	3,247.65	2,443.89	2,281.95	161.94	15.091		
11,300.00	8,067.96	11,781.73	7,807.01	82.35	100.03	-83.87	-4,326.99	3,247.80	2,443.44	2,278.27	165.17	14.794		
11,400.00	8,067.96	11,881.73	7,807.01	83.99	101.29	-83.87	-4,426.99	3,247.94	2,442.99	2,274.59	168.40	14.507		
11,500.00	8,067.96	11,981.74	7,807.01	85.63	102.57	-83.87	-4,526.99	3,248.08	2,442.54	2,270.89	171.65	14.229		
11,600.00	8,067.96	12,081.74	7,807.01	87.27	103.86	-83.87	-4,626.99	3,248.23	2,442.09	2,267.18	174.91	13.962		
11,700.00	8,067.96	12,181.74	7,807.01	88.92	105.17	-83.86	-4,726.99	3,248.37	2,441.64	2,263.46	178.18	13.703		
11,800.00	8,067.96	12,281.74	7,807.01	90.58	106.50	-83.86	-4,826.99	3,248.51	2,441.19	2,259.73	181.46	13.453		
11,900.00	8,067.96	12,381.74	7,807.01	92.23	107.84	-83.86	-4,927.00	3,248.66	2,440.74	2,255.99	184.75	13.211		
12,000.00	8,067.96	12,481.75	7,807.01	93.90	109.19	-83.86	-5,027.00	3,248.80	2,440.29	2,252.24	188.05	12.977		
12,100.00	8,067.96	12,581.75	7,807.01	95.56	110.56	-83.86	-5,127.00	3,248.94	2,439.84	2,248.49	191.36	12.750		
12,200.00	8,067.96	12,681.75	7,807.01	97.23	111.94	-83.86	-5,227.00	3,249.09	2,439.39	2,244.72	194.67	12.531		
12,300.00	8,067.96	12,781.75	7,807.01	98.91	113.33	-83.86	-5,327.00	3,249.23	2,438.94	2,240.95	197.99	12.319		
12,400.00	8,067.96	12,881.75	7,807.01	100.59	114.73	-83.86	-5,427.00	3,249.37	2,438.49	2,237.17	201.32	12.113		
12,500.00	8,067.96	12,981.75	7,807.01	102.27	116.15	-83.86	-5,527.01	3,249.51	2,438.04	2,233.38	204.65	11.913		
12,600.00	8,067.96	13,081.76	7,807.01	103.95	117.57	-83.85	-5,627.01	3,249.66	2,437.59	2,229.59	207.99	11.720		
12,700.00	8,067.96	13,181.76	7,807.01	105.64	119.01	-83.85	-5,727.01	3,249.80	2,437.13	2,225.79	211.34	11.532		
12,800.00	8,067.96	13,281.76	7,807.01	107.33	120.46	-83.85	-5,827.01	3,249.94	2,436.68	2,221.99	214.69	11.350		
12,900.00	8,067.96	13,381.76	7,807.01	109.02	121.91	-83.85	-5,927.01	3,250.08	2,436.23	2,218.18	218.05	11.173		
13,000.00	8,067.96	13,481.76	7,807.01	110.71	123.38	-83.85	-6,027.02	3,250.23	2,435.78	2,214.36	221.41	11.001		
13,100.00	8,067.96	13,581.77	7,807.01	112.41	124.85	-83.85	-6,127.02	3,250.37	2,435.32	2,210.54	224.78	10.834		
13,200.00	8,067.96	13,681.77	7,807.01	114.11	126.34	-83.85	-6,227.02	3,250.51	2,434.87	2,206.72	228.16	10.672		
13,300.00	8,067.96	13,781.77	7,807.01	115.81	127.83	-83.85	-6,327.02	3,250.65	2,434.42	2,202.88	231.53	10.514		
13,400.00	8,067.96	13,881.77	7,807.01	117.52	129.33	-83.85	-6,427.02	3,250.79	2,433.97	2,199.05	234.92	10.361		
13,500.00	8,067.96	13,981.77	7,807.01	119.22	130.84	-83.84	-6,527.02	3,250.93	2,433.51	2,195.21	238.30	10.212		
13,600.00	8,067.96	14,081.78	7,807.01	120.93	132.35	-83.84	-6,627.03	3,251.07	2,433.06	2,191.36	241.69	10.067		
13,700.00	8,067.96	14,181.78	7,807.01	122.64	133.87	-83.84	-6,727.03	3,251.22	2,432.60	2,187.52	245.09	9.925		
13,800.00	8,067.96	14,281.78	7,807.01	124.35	135.40	-83.84	-6,827.03	3,251.36	2,432.15	2,183.66	248.49	9.788		
13,900.00	8,067.96	14,381.78	7,807.01	126.06	136.94	-83.84	-6,927.03	3,251.50	2,431.70	2,179.81	251.89	9.654		
14,000.00	8,067.96	14,481.78	7,807.01	127.78	138.48	-83.84	-7,027.03	3,251.64	2,431.24	2,175.95	255.29	9.523		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	8,067.96	14,581.78	7,807.01	129.50	140.03	-83.84	-7,127.03	3,251.78	2,430.79	2,172.09	258.70	9.396		
14,200.00	8,067.96	14,681.79	7,807.01	131.21	141.58	-83.84	-7,227.04	3,251.92	2,430.33	2,168.22	262.11	9.272		
14,300.00	8,067.96	14,781.79	7,807.01	132.93	143.14	-83.83	-7,327.04	3,252.06	2,429.88	2,164.35	265.53	9.151		
14,400.00	8,067.96	14,881.79	7,807.01	134.65	144.71	-83.83	-7,427.04	3,252.20	2,429.42	2,160.48	268.95	9.033		
14,500.00	8,067.96	14,981.79	7,807.01	136.38	146.28	-83.83	-7,527.04	3,252.34	2,428.97	2,156.60	272.37	8.918		
14,600.00	8,067.96	15,081.79	7,807.01	138.10	147.85	-83.83	-7,627.04	3,252.48	2,428.51	2,152.72	275.79	8.806		
14,700.00	8,067.96	15,181.80	7,807.01	139.82	149.43	-83.83	-7,727.05	3,252.62	2,428.06	2,148.84	279.21	8.696		
14,800.00	8,067.96	15,281.80	7,807.01	141.55	151.02	-83.83	-7,827.05	3,252.76	2,427.60	2,144.96	282.64	8.589		
14,900.00	8,067.96	15,381.80	7,807.01	143.28	152.61	-83.83	-7,927.05	3,252.90	2,427.14	2,141.07	286.07	8.484		
15,000.00	8,067.96	15,481.80	7,807.01	145.00	154.20	-83.83	-8,027.05	3,253.04	2,426.69	2,137.18	289.51	8.382		
15,100.00	8,067.96	15,581.80	7,807.01	146.73	155.80	-83.83	-8,127.05	3,253.18	2,426.23	2,133.29	292.94	8.282		
15,200.00	8,067.96	15,681.80	7,807.01	148.46	157.40	-83.82	-8,227.05	3,253.32	2,425.77	2,129.40	296.38	8.185		
15,300.00	8,067.96	15,781.81	7,807.01	150.19	159.01	-83.82	-8,327.06	3,253.46	2,425.32	2,125.50	299.82	8.089		
15,400.00	8,067.96	15,881.81	7,807.01	151.93	160.62	-83.82	-8,427.06	3,253.60	2,424.86	2,121.60	303.26	7.996		
15,500.00	8,067.96	15,981.81	7,807.01	153.66	162.23	-83.82	-8,527.06	3,253.73	2,424.40	2,117.70	306.70	7.905		
15,600.00	8,067.96	16,081.81	7,807.01	155.39	163.85	-83.82	-8,627.06	3,253.87	2,423.94	2,113.80	310.15	7.815		
15,700.00	8,067.97	16,181.81	7,807.01	157.13	165.47	-83.82	-8,727.06	3,254.01	2,423.49	2,109.89	313.59	7.728		
15,800.00	8,067.97	16,281.82	7,807.01	158.86	167.10	-83.82	-8,827.06	3,254.15	2,423.03	2,105.99	317.04	7.643		
15,900.00	8,067.97	16,381.82	7,807.01	160.60	168.73	-83.82	-8,927.07	3,254.29	2,422.57	2,102.08	320.49	7.559		
16,000.00	8,067.97	16,481.82	7,807.01	162.34	170.36	-83.81	-9,027.07	3,254.43	2,422.11	2,098.17	323.95	7.477		
16,100.00	8,067.97	16,581.82	7,807.01	164.08	171.99	-83.81	-9,127.07	3,254.57	2,421.65	2,094.25	327.40	7.397		
16,200.00	8,067.97	16,681.82	7,807.01	165.81	173.63	-83.81	-9,227.07	3,254.70	2,421.19	2,090.34	330.85	7.318		
16,300.00	8,067.97	16,781.82	7,807.01	167.55	175.27	-83.81	-9,327.07	3,254.84	2,420.73	2,086.42	334.31	7.241		
16,400.00	8,067.97	16,881.83	7,807.00	169.29	176.91	-83.81	-9,427.07	3,254.98	2,420.28	2,082.51	337.77	7.165		
16,500.00	8,067.97	16,981.83	7,807.00	171.04	178.56	-83.81	-9,527.08	3,255.12	2,419.82	2,078.59	341.23	7.091		
16,600.00	8,067.98	17,081.83	7,807.00	172.78	180.20	-83.81	-9,627.08	3,255.25	2,419.36	2,074.67	344.69	7.019		
16,700.00	8,067.98	17,181.83	7,807.00	174.52	181.86	-83.81	-9,727.08	3,255.39	2,418.90	2,070.74	348.15	6.948		
16,800.00	8,067.98	17,281.83	7,807.00	176.26	183.51	-83.81	-9,827.08	3,255.53	2,418.44	2,066.82	351.62	6.878		
16,900.00	8,067.98	17,381.84	7,807.00	178.01	185.16	-83.80	-9,927.08	3,255.67	2,417.98	2,062.90	355.08	6.810		
17,000.00	8,067.98	17,481.84	7,807.00	179.75	186.82	-83.80	-10,027.08	3,255.80	2,417.52	2,058.97	358.55	6.743		
17,100.00	8,067.98	17,581.84	7,807.00	181.49	188.48	-83.80	-10,127.09	3,255.94	2,417.05	2,055.04	362.01	6.677		
17,200.00	8,067.98	17,681.84	7,807.00	183.24	190.14	-83.80	-10,227.09	3,256.08	2,416.59	2,051.11	365.48	6.612		
17,300.00	8,067.99	17,781.84	7,807.00	184.99	191.81	-83.80	-10,327.09	3,256.21	2,416.13	2,047.18	368.95	6.549		
17,400.00	8,067.99	17,881.84	7,807.00	186.73	193.47	-83.80	-10,427.09	3,256.35	2,415.67	2,043.25	372.42	6.486		
17,500.00	8,067.99	17,981.85	7,807.00	188.48	195.14	-83.80	-10,527.09	3,256.49	2,415.21	2,039.32	375.89	6.425		
17,600.00	8,067.99	18,081.85	7,807.00	190.23	196.81	-83.80	-10,627.09	3,256.62	2,414.75	2,035.38	379.37	6.365		
17,700.00	8,067.99	18,181.85	7,807.00	191.97	198.49	-83.79	-10,727.10	3,256.76	2,414.29	2,031.45	382.84	6.306		
17,800.00	8,067.99	18,281.85	7,807.00	193.72	200.16	-83.79	-10,827.10	3,256.90	2,413.82	2,027.51	386.31	6.248		
17,900.00	8,068.00	18,381.85	7,807.00	195.47	201.84	-83.79	-10,927.10	3,257.03	2,413.36	2,023.57	389.79	6.191		
18,000.00	8,068.00	18,481.86	7,807.00	197.22	203.51	-83.79	-11,027.10	3,257.17	2,412.90	2,019.63	393.27	6.136		
18,100.00	8,068.00	18,581.86	7,807.00	198.97	205.19	-83.79	-11,127.10	3,257.30	2,412.44	2,015.69	396.74	6.081		
18,184.63	8,068.00	18,666.49	7,807.00	200.45	206.59	-83.79	-11,211.74	3,257.42	2,412.04	2,012.51	399.53	6.037		
18,185.16	8,068.00	18,667.02	7,807.00	200.47	206.60	-83.79	-11,212.26	3,257.42	2,412.04	2,012.49	399.55	6.037 SF		

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	90.32	-1.00	179.95	179.95					
100.00	100.00	100.00	100.00	0.13	0.13	90.32	-1.00	179.95	179.95	179.68	0.27	669.317		
200.00	200.00	200.00	200.00	0.49	0.49	90.32	-1.00	179.95	179.95	178.96	0.99	182.541		
300.00	300.00	300.00	300.00	0.85	0.85	90.32	-1.00	179.95	179.95	178.25	1.70	105.682		
400.00	400.00	400.00	400.00	1.21	1.21	90.32	-1.00	179.95	179.95	177.53	2.42	74.369 CC, ES		
500.00	500.00	494.26	494.25	1.57	1.54	90.45	-1.43	181.44	181.53	178.43	3.11	58.418		
600.00	600.00	588.32	588.19	1.93	1.87	90.83	-2.71	185.89	186.29	182.50	3.79	49.151		
700.00	700.00	681.98	681.52	2.29	2.20	91.43	-4.83	193.27	194.22	189.74	4.47	43.425		
800.00	800.00	775.03	773.96	2.64	2.55	92.18	-7.76	203.51	205.31	200.16	5.15	39.850		
900.00	900.00	867.30	865.23	3.00	2.92	93.04	-11.49	216.50	219.57	213.75	5.83	37.682		
1,000.00	1,000.00	958.60	955.06	3.36	3.30	93.94	-15.98	232.13	236.98	230.48	6.50	36.484		
1,100.00	1,100.00	1,048.76	1,043.23	3.72	3.71	94.84	-21.18	250.25	257.48	250.33	7.16	35.983		
1,200.00	1,200.00	1,137.64	1,129.51	4.08	4.14	95.71	-27.05	270.72	281.05	273.25	7.81	36.009		
1,300.00	1,299.98	1,225.43	1,214.06	4.42	4.60	-44.47	-33.58	293.46	306.43	298.00	8.43	36.365		
1,400.00	1,399.84	1,312.44	1,297.09	4.75	5.09	-43.90	-40.75	318.44	332.32	323.29	9.03	36.799		
1,500.00	1,499.45	1,398.64	1,378.54	5.09	5.62	-43.65	-48.53	345.56	358.67	349.04	9.64	37.218		
1,600.00	1,598.70	1,484.01	1,458.33	5.44	6.18	-43.64	-56.91	374.74	385.45	375.20	10.25	37.604		
1,700.00	1,697.47	1,568.55	1,536.41	5.81	6.79	-43.82	-65.84	405.87	412.64	401.76	10.87	37.948		
1,800.00	1,795.62	1,652.24	1,612.74	6.19	7.43	-44.15	-75.31	438.85	440.24	428.73	11.51	38.240		
1,846.33	1,840.86	1,690.72	1,647.49	6.38	7.74	-44.34	-79.86	454.73	453.18	441.37	11.81	38.363		
1,900.00	1,893.17	1,735.00	1,687.20	6.60	8.11	-44.77	-85.27	473.56	468.62	456.45	12.17	38.503		
2,000.00	1,990.64	1,816.45	1,759.44	7.02	8.82	-45.45	-95.65	509.73	499.52	486.67	12.85	38.888		
2,100.00	2,088.10	1,896.46	1,829.32	7.46	9.57	-45.99	-106.39	547.16	533.08	519.56	13.52	39.418		
2,200.00	2,185.57	1,974.92	1,896.78	7.91	10.36	-46.42	-117.45	585.68	569.21	555.00	14.21	40.068		
2,300.00	2,283.03	2,051.79	1,961.77	8.37	11.17	-46.74	-128.77	625.12	607.80	592.92	14.89	40.830		
2,400.00	2,380.50	2,126.99	2,024.27	8.84	12.00	-46.97	-140.30	665.32	648.78	633.22	15.56	41.693		
2,500.00	2,477.97	2,201.57	2,085.15	9.32	12.87	-47.14	-152.18	706.72	692.03	675.79	16.24	42.606		
2,600.00	2,575.43	2,291.23	2,157.77	9.80	13.94	-47.29	-166.69	757.28	736.27	719.12	17.15	42.923		
2,700.00	2,672.90	2,380.90	2,230.39	10.28	15.04	-47.43	-181.20	807.84	780.51	762.44	18.08	43.181		
2,800.00	2,770.36	2,470.56	2,303.01	10.77	16.14	-47.55	-195.71	858.40	824.76	805.75	19.01	43.391		
2,900.00	2,867.83	2,560.23	2,375.62	11.26	17.25	-47.66	-210.22	908.96	869.00	849.06	19.95	43.564		
3,000.00	2,965.29	2,649.90	2,448.24	11.76	18.36	-47.75	-224.73	959.51	913.25	892.36	20.90	43.706		
3,100.00	3,062.76	2,739.56	2,520.86	12.26	19.49	-47.84	-239.24	1,010.07	957.51	935.66	21.85	43.823		
3,200.00	3,160.23	2,829.23	2,593.48	12.76	20.61	-47.93	-253.75	1,060.63	1,001.76	978.95	22.81	43.919		
3,300.00	3,257.69	2,918.90	2,666.10	13.27	21.74	-48.00	-268.26	1,111.19	1,046.01	1,022.24	23.77	43.999		
3,400.00	3,355.16	3,008.56	2,738.72	13.77	22.88	-48.07	-282.77	1,161.74	1,090.27	1,065.53	24.74	44.064		
3,500.00	3,452.62	3,101.77	2,811.33	14.28	24.06	-48.13	-297.28	1,212.30	1,134.53	1,108.79	25.74	44.080		
3,600.00	3,550.09	3,187.90	2,883.95	14.79	25.15	-48.19	-311.79	1,262.86	1,178.79	1,152.09	26.69	44.161		
3,700.00	3,647.55	3,277.56	2,956.57	15.30	26.29	-48.25	-326.30	1,313.42	1,223.05	1,195.37	27.67	44.197		
3,800.00	3,745.02	3,367.23	3,029.19	15.81	27.44	-48.30	-340.81	1,363.98	1,267.31	1,238.65	28.66	44.225		
3,900.00	3,842.49	3,456.90	3,101.81	16.32	28.58	-48.34	-355.32	1,414.53	1,311.57	1,281.92	29.64	44.248		
4,000.00	3,939.95	3,546.56	3,174.43	16.84	29.73	-48.39	-369.83	1,465.09	1,355.83	1,325.20	30.63	44.266		
4,100.00	4,037.42	3,636.23	3,247.04	17.35	30.88	-48.43	-384.34	1,515.65	1,400.09	1,368.47	31.62	44.280		
4,200.00	4,134.88	3,725.90	3,319.66	17.87	32.03	-48.47	-398.85	1,566.21	1,444.35	1,411.74	32.61	44.290		
4,300.00	4,232.35	3,815.56	3,392.28	18.39	33.18	-48.50	-413.36	1,616.77	1,488.62	1,455.01	33.60	44.298		
4,400.00	4,329.81	3,905.23	3,464.90	18.90	34.33	-48.54	-427.87	1,667.32	1,532.88	1,498.28	34.60	44.302		
4,500.00	4,427.28	4,005.11	3,537.52	19.42	35.61	-48.57	-442.38	1,717.88	1,577.14	1,541.48	35.66	44.225		
4,600.00	4,524.75	4,084.56	3,610.14	19.94	36.63	-48.60	-456.89	1,768.44	1,621.41	1,584.81	36.60	44.305		
4,700.00	4,622.21	4,174.23	3,682.76	20.46	37.78	-48.63	-471.40	1,819.00	1,665.67	1,628.08	37.60	44.304		
4,800.00	4,719.68	4,263.89	3,755.37	20.98	38.94	-48.66	-485.91	1,869.56	1,709.94	1,671.34	38.60	44.302		
4,900.00	4,817.14	4,353.56	3,827.99	21.50	40.09	-48.68	-500.42	1,920.11	1,754.20	1,714.60	39.60	44.298		
5,000.00	4,914.61	4,443.23	3,900.61	22.02	41.25	-48.71	-514.93	1,970.67	1,798.47	1,757.86	40.60	44.293		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	5,012.07	4,532.89	3,973.23	22.54	42.40	-48.73	-529.44	2,021.23	1,842.73	1,801.13	41.61	44.288		
5,200.00	5,109.54	4,622.56	4,045.85	23.06	43.56	-48.75	-543.95	2,071.79	1,887.00	1,844.39	42.61	44.282		
5,300.00	5,207.01	4,712.23	4,118.47	23.59	44.71	-48.78	-558.46	2,122.34	1,931.27	1,887.65	43.62	44.275		
5,400.00	5,304.47	4,801.89	4,191.08	24.11	45.87	-48.80	-572.97	2,172.90	1,975.53	1,930.91	44.63	44.267		
5,500.00	5,401.94	4,908.44	4,263.70	24.63	47.25	-48.82	-587.48	2,223.46	2,019.80	1,974.06	45.74	44.155		
5,600.00	5,499.40	4,981.23	4,336.32	25.16	48.19	-48.83	-601.99	2,274.02	2,064.07	2,017.42	46.64	44.251		
5,700.00	5,596.87	5,070.89	4,408.94	25.68	49.34	-48.85	-616.50	2,324.58	2,108.33	2,060.68	47.65	44.242		
5,800.00	5,694.33	5,160.56	4,481.56	26.20	50.50	-48.87	-631.01	2,375.13	2,152.60	2,103.94	48.67	44.233		
5,900.00	5,791.80	5,250.23	4,554.18	26.73	51.66	-48.89	-645.52	2,425.69	2,196.87	2,147.19	49.68	44.223		
6,000.00	5,889.27	5,339.89	4,626.80	27.25	52.82	-48.90	-660.03	2,476.25	2,241.14	2,190.45	50.69	44.214		
6,100.00	5,986.73	5,429.56	4,699.41	27.78	53.98	-48.92	-674.54	2,526.81	2,285.40	2,233.70	51.70	44.204		
6,200.00	6,084.20	5,519.22	4,772.03	28.30	55.13	-48.93	-689.05	2,577.37	2,329.67	2,276.96	52.71	44.194		
6,300.00	6,181.66	5,608.89	4,844.65	28.82	56.29	-48.95	-703.56	2,627.92	2,373.94	2,320.21	53.73	44.184		
6,400.00	6,279.13	5,701.44	4,917.27	29.35	57.49	-48.96	-718.07	2,678.48	2,418.21	2,363.45	54.76	44.159		
6,500.00	6,376.59	5,788.22	4,989.89	29.88	58.61	-48.97	-732.58	2,729.04	2,462.48	2,406.72	55.76	44.164		
6,600.00	6,474.06	5,877.89	5,062.51	30.40	59.77	-48.99	-747.09	2,779.60	2,506.74	2,449.97	56.77	44.153		
6,700.00	6,571.53	5,967.56	5,135.12	30.93	60.93	-49.00	-761.60	2,830.16	2,551.01	2,493.22	57.79	44.143		
6,800.00	6,668.99	6,057.22	5,207.74	31.45	62.09	-49.01	-776.11	2,880.71	2,595.28	2,536.48	58.81	44.133		
6,887.36	6,754.14	6,135.56	5,271.18	31.91	63.11	-49.02	-788.78	2,924.88	2,633.95	2,574.26	59.69	44.124		
6,900.00	6,766.46	6,146.88	5,280.35	31.98	63.25	-49.12	-790.62	2,931.27	2,639.57	2,579.74	59.82	44.123		
7,000.00	6,864.39	6,235.90	5,352.45	32.48	64.40	-49.86	-805.02	2,981.46	2,685.11	2,624.31	60.80	44.163		
7,100.00	6,962.96	6,323.79	5,423.63	32.94	65.54	-50.60	-819.24	3,031.01	2,732.64	2,670.93	61.71	44.283		
7,200.00	7,062.06	7,089.70	6,091.68	33.36	73.45	-50.62	-921.30	3,386.63	2,776.01	2,707.74	68.26	40.665		
7,300.00	7,161.57	8,184.07	7,161.57	33.74	77.84	-51.41	-975.47	3,575.35	2,782.84	2,712.92	69.92	39.802		
7,400.00	7,261.36	8,283.67	7,261.16	34.08	77.95	-51.44	-976.11	3,575.36	2,778.84	2,708.31	70.53	39.398		
7,500.00	7,361.31	8,381.51	7,358.03	34.39	78.10	-51.19	-989.05	3,575.44	2,777.06	2,706.07	70.99	39.119		
7,524.89	7,386.20	8,405.00	7,380.84	34.46	78.15	-51.08	-994.60	3,575.47	2,776.99	2,705.91	71.07	39.072		
7,533.69	7,395.00	8,413.17	7,388.73	34.48	78.16	90.11	-996.75	3,575.48	2,777.00	2,705.89	71.10	39.056		
7,600.00	7,461.31	8,472.53	7,444.95	34.65	78.29	90.50	-1,015.71	3,575.60	2,777.25	2,705.95	71.30	38.951		
7,633.69	7,495.00	8,501.01	7,471.15	34.73	78.36	90.73	-1,026.85	3,575.67	2,777.50	2,706.10	71.40	38.902		
7,650.00	7,511.31	8,514.44	7,483.32	34.78	78.39	-88.80	-1,032.55	3,575.70	2,777.64	2,706.19	71.46	38.872		
7,700.00	7,561.16	8,554.96	7,519.15	34.94	78.50	-88.41	-1,051.45	3,575.82	2,778.18	2,706.49	71.69	38.752		
7,750.00	7,610.51	8,594.58	7,552.80	35.14	78.61	-88.03	-1,072.34	3,575.94	2,778.84	2,706.82	72.02	38.585		
7,800.00	7,658.98	8,633.41	7,584.31	35.37	78.73	-87.66	-1,095.02	3,576.08	2,779.59	2,707.15	72.44	38.372		
7,850.00	7,706.21	8,671.53	7,613.68	35.64	78.85	-87.30	-1,119.32	3,576.23	2,780.41	2,707.47	72.94	38.119		
7,900.00	7,751.82	8,709.05	7,640.95	35.93	78.98	-86.96	-1,145.08	3,576.39	2,781.29	2,707.77	73.52	37.829		
7,950.00	7,795.49	8,746.03	7,666.12	36.26	79.11	-86.63	-1,172.16	3,576.55	2,782.20	2,708.02	74.18	37.504		
8,000.00	7,836.86	8,782.54	7,689.20	36.62	79.25	-86.33	-1,200.44	3,576.72	2,783.13	2,708.21	74.92	37.148		
8,050.00	7,875.64	8,818.64	7,710.21	37.00	79.39	-86.04	-1,229.79	3,576.90	2,784.05	2,708.32	75.73	36.764		
8,100.00	7,911.52	8,854.39	7,729.15	37.42	79.53	-85.77	-1,260.10	3,577.09	2,784.93	2,708.33	76.60	36.357		
8,150.00	7,944.22	8,889.82	7,746.03	37.86	79.68	-85.53	-1,291.25	3,577.28	2,785.78	2,708.24	77.54	35.929		
8,200.00	7,973.51	8,925.00	7,760.84	38.32	79.83	-85.32	-1,323.14	3,577.47	2,786.56	2,708.02	78.53	35.484		
8,250.00	7,999.16	8,959.95	7,773.60	38.81	79.99	-85.13	-1,355.68	3,577.67	2,787.26	2,707.68	79.58	35.026		
8,300.00	8,020.98	8,994.71	7,784.29	39.31	80.15	-84.97	-1,388.75	3,577.87	2,787.87	2,707.20	80.67	34.558		
8,350.00	8,038.79	9,029.33	7,792.93	39.84	80.31	-84.84	-1,422.27	3,578.07	2,788.37	2,706.57	81.81	34.085		
8,400.00	8,052.46	9,063.84	7,799.51	40.38	80.48	-84.74	-1,456.14	3,578.28	2,788.77	2,705.79	82.97	33.610		
8,450.00	8,061.89	9,100.00	7,804.21	40.93	80.65	-84.67	-1,491.98	3,578.50	2,789.05	2,704.89	84.15	33.142		
8,500.00	8,067.01	9,132.64	7,806.50	41.49	80.82	-84.64	-1,524.53	3,578.70	2,789.20	2,703.82	85.37	32.670		
8,533.77	8,068.00	9,157.64	7,807.00	41.88	80.94	-84.63	-1,547.39	3,578.83	2,789.23	2,703.01	86.22	32.351		
8,600.00	8,068.00	9,221.73	7,807.00	42.64	81.27	-84.63	-1,613.62	3,579.24	2,789.24	2,701.55	87.68	31.810		
8,700.00	8,068.00	9,321.73	7,807.00	43.82	81.81	-84.63	-1,713.62	3,579.85	2,789.25	2,699.26	90.00	30.993		
8,800.00	8,068.00	9,421.73	7,807.00	45.04	82.37	-84.63	-1,813.62	3,580.45	2,789.27	2,696.88	92.39	30.191		

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



# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
8,900.00	8,067.99	9,521.73	7,806.99	46.30	82.96	-84.63	-1,913.62	3,581.06	2,789.28	2,694.44	94.85	29.408		
9,000.00	8,067.99	9,621.73	7,806.99	47.59	83.58	-84.63	-2,013.62	3,581.67	2,789.30	2,691.92	97.37	28.645		
9,100.00	8,067.99	9,721.73	7,806.99	48.91	84.22	-84.63	-2,113.61	3,582.28	2,789.31	2,689.35	99.96	27.904		
9,200.00	8,067.99	9,821.73	7,806.99	50.26	84.89	-84.63	-2,213.61	3,582.89	2,789.33	2,686.72	102.60	27.185		
9,300.00	8,067.99	9,921.73	7,806.99	51.63	85.59	-84.63	-2,313.61	3,583.50	2,789.34	2,684.04	105.30	26.489		
9,400.00	8,067.99	10,021.73	7,806.99	53.03	86.31	-84.63	-2,413.61	3,584.11	2,789.36	2,681.32	108.04	25.817		
9,500.00	8,067.98	10,121.73	7,806.99	54.44	87.06	-84.63	-2,513.61	3,584.72	2,789.37	2,678.54	110.83	25.168		
9,600.00	8,067.98	10,221.73	7,806.98	55.88	87.83	-84.63	-2,613.60	3,585.32	2,789.39	2,675.73	113.66	24.541		
9,700.00	8,067.98	10,321.73	7,806.98	57.34	88.63	-84.63	-2,713.60	3,585.93	2,789.40	2,672.88	116.53	23.938		
9,800.00	8,067.98	10,421.73	7,806.98	58.81	89.46	-84.63	-2,813.60	3,586.54	2,789.42	2,669.99	119.43	23.356		
9,900.00	8,067.98	10,521.73	7,806.98	60.31	90.31	-84.63	-2,913.60	3,587.15	2,789.43	2,667.07	122.37	22.796		
10,000.00	8,067.98	10,621.73	7,806.98	61.81	91.18	-84.63	-3,013.60	3,587.76	2,789.45	2,664.11	125.33	22.256		
10,100.00	8,067.98	10,721.73	7,806.98	63.33	92.09	-84.63	-3,113.60	3,588.37	2,789.46	2,661.13	128.33	21.737		
10,200.00	8,067.97	10,821.73	7,806.98	64.86	93.01	-84.63	-3,213.59	3,588.98	2,789.48	2,658.13	131.35	21.237		
10,300.00	8,067.97	10,921.73	7,806.97	66.41	93.96	-84.63	-3,313.59	3,589.58	2,789.49	2,655.09	134.40	20.756		
10,400.00	8,067.97	11,021.73	7,806.97	67.96	94.94	-84.63	-3,413.59	3,590.19	2,789.50	2,652.04	137.46	20.292		
10,500.00	8,067.97	11,121.73	7,806.97	69.53	95.94	-84.63	-3,513.59	3,590.80	2,789.52	2,648.96	140.56	19.846		
10,600.00	8,067.97	11,221.73	7,806.97	71.10	96.96	-84.63	-3,613.59	3,591.41	2,789.53	2,645.86	143.67	19.417		
10,700.00	8,067.97	11,321.73	7,806.97	72.69	98.00	-84.63	-3,713.58	3,592.02	2,789.54	2,642.75	146.80	19.003		
10,800.00	8,067.97	11,421.73	7,806.97	74.28	99.06	-84.63	-3,813.58	3,592.63	2,789.56	2,639.61	149.95	18.604		
10,900.00	8,067.97	11,521.73	7,806.97	75.88	100.15	-84.63	-3,913.58	3,593.24	2,789.57	2,636.46	153.11	18.219		
11,000.00	8,067.97	11,621.73	7,806.96	77.49	101.26	-84.63	-4,013.58	3,593.85	2,789.59	2,633.29	156.29	17.848		
11,100.00	8,067.97	11,721.73	7,806.96	79.10	102.39	-84.63	-4,113.58	3,594.45	2,789.60	2,630.11	159.49	17.491		
11,200.00	8,067.96	11,821.73	7,806.96	80.73	103.53	-84.63	-4,213.58	3,595.06	2,789.61	2,626.91	162.70	17.146		
11,300.00	8,067.96	11,921.73	7,806.96	82.35	104.70	-84.63	-4,313.57	3,595.67	2,789.63	2,623.71	165.92	16.813		
11,400.00	8,067.96	12,021.73	7,806.96	83.99	105.88	-84.63	-4,413.57	3,596.28	2,789.64	2,620.48	169.16	16.492		
11,500.00	8,067.96	12,121.73	7,806.96	85.63	107.09	-84.63	-4,513.57	3,596.89	2,789.65	2,617.25	172.40	16.181		
11,600.00	8,067.96	12,221.73	7,806.96	87.27	108.31	-84.63	-4,613.57	3,597.50	2,789.67	2,614.00	175.66	15.881		
11,700.00	8,067.96	12,321.73	7,806.95	88.92	109.55	-84.63	-4,713.57	3,598.11	2,789.68	2,610.75	178.93	15.591		
11,800.00	8,067.96	12,421.73	7,806.95	90.58	110.80	-84.63	-4,813.56	3,598.71	2,789.69	2,607.48	182.21	15.311		
11,900.00	8,067.96	12,521.73	7,806.95	92.23	112.07	-84.63	-4,913.56	3,599.32	2,789.70	2,604.21	185.49	15.039		
12,000.00	8,067.96	12,621.73	7,806.95	93.90	113.35	-84.63	-5,013.56	3,599.93	2,789.72	2,600.93	188.79	14.777		
12,100.00	8,067.96	12,721.73	7,806.95	95.56	114.65	-84.63	-5,113.56	3,600.54	2,789.73	2,597.63	192.10	14.523		
12,200.00	8,067.96	12,821.73	7,806.95	97.23	115.97	-84.63	-5,213.56	3,601.15	2,789.74	2,594.33	195.41	14.276		
12,300.00	8,067.96	12,921.73	7,806.95	98.91	117.30	-84.63	-5,313.55	3,601.76	2,789.75	2,591.03	198.73	14.038		
12,400.00	8,067.96	13,021.73	7,806.94	100.59	118.64	-84.63	-5,413.55	3,602.37	2,789.77	2,587.71	202.06	13.807		
12,500.00	8,067.96	13,121.73	7,806.94	102.27	119.99	-84.63	-5,513.55	3,602.98	2,789.78	2,584.39	205.39	13.583		
12,600.00	8,067.96	13,221.73	7,806.94	103.95	121.36	-84.63	-5,613.55	3,603.58	2,789.79	2,581.06	208.73	13.365		
12,700.00	8,067.96	13,321.73	7,806.94	105.64	122.74	-84.63	-5,713.55	3,604.19	2,789.80	2,577.72	212.08	13.155		
12,800.00	8,067.96	13,421.73	7,806.94	107.33	124.13	-84.63	-5,813.55	3,604.80	2,789.82	2,574.38	215.43	12.950		
12,900.00	8,067.96	13,521.73	7,806.94	109.02	125.53	-84.63	-5,913.54	3,605.41	2,789.83	2,571.04	218.79	12.751		
13,000.00	8,067.96	13,621.73	7,806.94	110.71	126.94	-84.63	-6,013.54	3,606.02	2,789.84	2,567.68	222.15	12.558		
13,100.00	8,067.96	13,721.73	7,806.93	112.41	128.36	-84.63	-6,113.54	3,606.63	2,789.85	2,564.33	225.52	12.371		
13,200.00	8,067.96	13,821.73	7,806.93	114.11	129.79	-84.63	-6,213.54	3,607.24	2,789.86	2,560.96	228.90	12.188		
13,300.00	8,067.96	13,921.73	7,806.93	115.81	131.24	-84.63	-6,313.54	3,607.84	2,789.87	2,557.60	232.28	12.011		
13,400.00	8,067.96	14,021.73	7,806.93	117.52	132.69	-84.63	-6,413.53	3,608.45	2,789.89	2,554.22	235.66	11.839		
13,500.00	8,067.96	14,121.73	7,806.93	119.22	134.15	-84.63	-6,513.53	3,609.06	2,789.90	2,550.85	239.05	11.671		
13,600.00	8,067.96	14,221.73	7,806.93	120.93	135.62	-84.63	-6,613.53	3,609.67	2,789.91	2,547.47	242.44	11.508		
13,700.00	8,067.96	14,321.73	7,806.93	122.64	137.09	-84.63	-6,713.53	3,610.28	2,789.92	2,544.08	245.84	11.349		
13,800.00	8,067.96	14,421.73	7,806.92	124.35	138.58	-84.63	-6,813.53	3,610.89	2,789.93	2,540.69	249.24	11.194		
13,900.00	8,067.96	14,521.73	7,806.92	126.06	140.07	-84.63	-6,913.53	3,611.50	2,789.94	2,537.30	252.64	11.043		
14,000.00	8,067.96	14,621.73	7,806.92	127.78	141.57	-84.63	-7,013.52	3,612.11	2,789.95	2,533.90	256.05	10.896		

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



# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	8,067.96	14,721.73	7,806.92	129.50	143.08	-84.63	-7,113.52	3,612.71	2,789.96	2,530.50	259.46	10.753		
14,200.00	8,067.96	14,821.73	7,806.92	131.21	144.59	-84.63	-7,213.52	3,613.32	2,789.97	2,527.10	262.87	10.613		
14,300.00	8,067.96	14,921.73	7,806.92	132.93	146.11	-84.63	-7,313.52	3,613.93	2,789.99	2,523.70	266.29	10.477		
14,400.00	8,067.96	15,021.73	7,806.92	134.65	147.64	-84.63	-7,413.52	3,614.54	2,790.00	2,520.29	269.71	10.344		
14,500.00	8,067.96	15,121.73	7,806.91	136.38	149.18	-84.63	-7,513.51	3,615.15	2,790.01	2,516.87	273.13	10.215		
14,600.00	8,067.96	15,221.73	7,806.91	138.10	150.72	-84.63	-7,613.51	3,615.76	2,790.02	2,513.46	276.56	10.088		
14,700.00	8,067.96	15,321.73	7,806.91	139.82	152.26	-84.63	-7,713.51	3,616.37	2,790.03	2,510.04	279.99	9.965		
14,800.00	8,067.96	15,421.73	7,806.91	141.55	153.81	-84.63	-7,813.51	3,616.97	2,790.04	2,506.62	283.42	9.844		
14,900.00	8,067.96	15,521.73	7,806.91	143.28	155.37	-84.63	-7,913.51	3,617.58	2,790.05	2,503.20	286.85	9.726		
15,000.00	8,067.96	15,621.73	7,806.91	145.00	156.93	-84.63	-8,013.50	3,618.19	2,790.06	2,499.77	290.29	9.611		
15,100.00	8,067.96	15,721.73	7,806.91	146.73	158.50	-84.63	-8,113.50	3,618.80	2,790.07	2,496.34	293.72	9.499		
15,200.00	8,067.96	15,821.73	7,806.90	148.46	160.07	-84.63	-8,213.50	3,619.41	2,790.08	2,492.91	297.16	9.389		
15,300.00	8,067.96	15,921.73	7,806.90	150.19	161.65	-84.63	-8,313.50	3,620.02	2,790.09	2,489.48	300.61	9.282		
15,400.00	8,067.96	16,021.73	7,806.90	151.93	163.23	-84.63	-8,413.50	3,620.63	2,790.10	2,486.05	304.05	9.176		
15,500.00	8,067.96	16,121.73	7,806.90	153.66	164.81	-84.63	-8,513.50	3,621.24	2,790.11	2,482.61	307.50	9.074		
15,600.00	8,067.96	16,221.73	7,806.90	155.39	166.40	-84.63	-8,613.49	3,621.84	2,790.12	2,479.17	310.95	8.973		
15,700.00	8,067.97	16,321.73	7,806.90	157.13	168.00	-84.63	-8,713.49	3,622.45	2,790.13	2,475.73	314.40	8.875		
15,800.00	8,067.97	16,421.73	7,806.90	158.86	169.60	-84.63	-8,813.49	3,623.06	2,790.14	2,472.29	317.85	8.778		
15,900.00	8,067.97	16,521.73	7,806.89	160.60	171.20	-84.63	-8,913.49	3,623.67	2,790.14	2,468.84	321.30	8.684		
16,000.00	8,067.97	16,621.73	7,806.89	162.34	172.80	-84.63	-9,013.49	3,624.28	2,790.15	2,465.39	324.76	8.591		
16,100.00	8,067.97	16,721.73	7,806.89	164.08	174.41	-84.63	-9,113.48	3,624.89	2,790.16	2,461.95	328.22	8.501		
16,200.00	8,067.97	16,821.73	7,806.89	165.81	176.03	-84.63	-9,213.48	3,625.50	2,790.17	2,458.50	331.68	8.412		
16,300.00	8,067.97	16,921.73	7,806.89	167.55	177.64	-84.63	-9,313.48	3,626.10	2,790.18	2,455.04	335.14	8.325		
16,400.00	8,067.97	17,021.73	7,806.89	169.29	179.26	-84.63	-9,413.48	3,626.71	2,790.19	2,451.59	338.60	8.240		
16,500.00	8,067.97	17,121.73	7,806.88	171.04	180.89	-84.63	-9,513.48	3,627.32	2,790.20	2,448.14	342.06	8.157		
16,600.00	8,067.98	17,221.73	7,806.88	172.78	182.51	-84.63	-9,613.48	3,627.93	2,790.21	2,444.68	345.53	8.075		
16,700.00	8,067.98	17,321.73	7,806.88	174.52	184.14	-84.63	-9,713.47	3,628.54	2,790.22	2,441.22	348.99	7.995		
16,800.00	8,067.98	17,421.73	7,806.88	176.26	185.77	-84.63	-9,813.47	3,629.15	2,790.23	2,437.76	352.46	7.916		
16,900.00	8,067.98	17,521.73	7,806.88	178.01	187.41	-84.63	-9,913.47	3,629.76	2,790.23	2,434.30	355.93	7.839		
17,000.00	8,067.98	17,621.73	7,806.88	179.75	189.05	-84.63	-10,013.47	3,630.37	2,790.24	2,430.84	359.40	7.764		
17,100.00	8,067.98	17,721.73	7,806.88	181.49	190.69	-84.63	-10,113.47	3,630.97	2,790.25	2,427.38	362.87	7.689		
17,200.00	8,067.98	17,821.73	7,806.87	183.24	192.33	-84.63	-10,213.46	3,631.58	2,790.26	2,423.91	366.35	7.616		
17,300.00	8,067.99	17,921.73	7,806.87	184.99	193.98	-84.63	-10,313.46	3,632.19	2,790.27	2,420.45	369.82	7.545		
17,400.00	8,067.99	18,021.73	7,806.87	186.73	195.62	-84.63	-10,413.46	3,632.80	2,790.27	2,416.98	373.29	7.475		
17,500.00	8,067.99	18,121.73	7,806.87	188.48	197.27	-84.63	-10,513.46	3,633.41	2,790.28	2,413.51	376.77	7.406		
17,600.00	8,067.99	18,221.73	7,806.87	190.23	198.93	-84.63	-10,613.46	3,634.02	2,790.29	2,410.04	380.25	7.338		
17,700.00	8,067.99	18,321.73	7,806.87	191.97	200.58	-84.63	-10,713.45	3,634.63	2,790.30	2,406.57	383.73	7.272		
17,800.00	8,067.99	18,421.73	7,806.87	193.72	202.24	-84.63	-10,813.45	3,635.24	2,790.31	2,403.10	387.21	7.206		
17,900.00	8,068.00	18,521.73	7,806.86	195.47	203.90	-84.63	-10,913.45	3,635.84	2,790.31	2,399.63	390.69	7.142		
18,000.00	8,068.00	18,621.73	7,806.86	197.22	205.56	-84.63	-11,013.45	3,636.45	2,790.32	2,396.15	394.17	7.079		
18,100.00	8,068.00	18,721.73	7,806.86	198.97	207.23	-84.63	-11,113.45	3,637.06	2,790.33	2,392.68	397.65	7.017		
18,184.63	8,068.00	18,810.48	7,806.90	200.45	208.70	-84.63	-11,202.19	3,637.59	2,790.32	2,389.75	400.57	6.966		
18,185.16	8,068.00	18,811.00	7,806.91	200.47	208.71	-84.63	-11,202.72	3,637.59	2,790.32	2,389.74	400.59	6.966 SF		

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	90.32	-1.10	197.94	197.94					
100.00	100.00	100.00	100.00	0.13	0.13	90.32	-1.10	197.94	197.94	197.68	0.27	736.251		
200.00	200.00	200.00	200.00	0.49	0.49	90.32	-1.10	197.94	197.94	196.96	0.99	200.796		
300.00	300.00	300.00	300.00	0.85	0.85	90.32	-1.10	197.94	197.94	196.24	1.70	116.250 CC, ES		
400.00	400.00	393.69	393.68	1.21	1.18	90.43	-1.49	199.42	199.53	197.14	2.39	83.475		
500.00	500.00	487.19	487.05	1.57	1.51	90.75	-2.65	203.86	204.28	201.21	3.08	66.432		
600.00	600.00	580.28	579.83	1.93	1.84	91.24	-4.57	211.19	212.20	208.44	3.76	56.434		
700.00	700.00	672.79	671.73	2.29	2.20	91.87	-7.24	221.37	223.29	218.84	4.44	50.252		
800.00	800.00	764.52	762.48	2.64	2.57	92.59	-10.62	234.29	237.52	232.39	5.12	46.369		
900.00	900.00	855.29	851.82	3.00	2.96	93.36	-14.69	249.84	254.87	249.07	5.80	43.979		
1,000.00	1,000.00	944.96	939.52	3.36	3.37	94.14	-19.41	267.88	275.31	268.85	6.46	42.611		
1,100.00	1,100.00	1,033.36	1,025.37	3.72	3.80	94.91	-24.74	288.25	298.78	291.66	7.12	41.956		
1,200.00	1,200.00	1,120.35	1,109.18	4.08	4.27	95.63	-30.64	310.80	325.24	317.48	7.76	41.909		
1,300.00	1,299.98	1,206.19	1,191.15	4.42	4.76	-44.61	-37.09	335.44	353.42	345.04	8.38	42.172		
1,400.00	1,399.84	1,291.19	1,271.53	4.75	5.28	-44.06	-44.09	362.18	382.07	373.09	8.98	42.543		
1,500.00	1,499.45	1,375.34	1,350.26	5.09	5.85	-43.79	-51.61	390.90	411.11	401.53	9.58	42.894		
1,600.00	1,598.70	1,458.62	1,427.29	5.44	6.45	-43.73	-59.62	421.53	440.53	430.33	10.19	43.213		
1,700.00	1,697.47	1,541.02	1,502.57	5.81	7.09	-43.84	-68.11	453.94	470.30	459.48	10.81	43.489		
1,800.00	1,795.62	1,622.54	1,576.06	6.19	7.76	-44.08	-77.04	488.06	500.42	488.97	11.45	43.709		
1,846.33	1,840.86	1,660.00	1,609.49	6.38	8.08	-44.23	-81.32	504.42	514.50	502.75	11.75	43.793		
1,900.00	1,893.17	1,703.09	1,647.67	6.60	8.46	-44.63	-86.38	523.75	531.25	519.15	12.10	43.898		
2,000.00	1,990.64	1,782.28	1,717.02	7.02	9.21	-45.29	-96.05	560.72	564.52	551.74	12.77	44.198		
2,100.00	2,088.10	1,859.98	1,784.02	7.46	9.99	-45.82	-106.01	598.78	600.37	586.92	13.45	44.648		
2,200.00	2,185.57	1,936.11	1,848.61	7.91	10.79	-46.25	-116.22	637.77	638.71	624.59	14.12	45.229		
2,300.00	2,283.03	2,010.62	1,910.76	8.37	11.61	-46.59	-126.62	677.51	679.44	664.65	14.79	45.929		
2,400.00	2,380.50	2,083.46	1,970.48	8.84	12.46	-46.86	-137.19	717.87	722.47	707.01	15.46	46.726		
2,500.00	2,477.97	2,162.86	2,034.49	9.32	13.43	-47.08	-149.08	763.30	767.49	751.26	16.23	47.281		
2,600.00	2,575.43	2,251.93	2,106.13	9.80	14.53	-47.30	-162.48	814.51	812.85	795.70	17.15	47.405		
2,700.00	2,672.90	2,341.01	2,177.78	10.28	15.65	-47.50	-175.88	865.72	858.22	840.15	18.07	47.488		
2,800.00	2,770.36	2,430.09	2,249.42	10.77	16.77	-47.68	-189.28	916.93	903.60	884.59	19.01	47.540		
2,900.00	2,867.83	2,519.17	2,321.07	11.26	17.90	-47.84	-202.69	968.14	948.98	929.03	19.95	47.568		
3,000.00	2,965.29	2,608.25	2,392.71	11.76	19.04	-47.98	-216.09	1,019.35	994.37	973.47	20.90	47.577		
3,100.00	3,062.76	2,702.67	2,464.36	12.26	20.25	-48.12	-229.49	1,070.56	1,039.76	1,017.87	21.89	47.501		
3,200.00	3,160.23	2,786.41	2,536.00	12.76	21.32	-48.24	-242.90	1,121.77	1,085.16	1,062.34	22.82	47.554		
3,300.00	3,257.69	2,875.49	2,607.65	13.27	22.47	-48.35	-256.30	1,172.98	1,130.56	1,106.77	23.79	47.529		
3,400.00	3,355.16	2,964.57	2,679.29	13.77	23.62	-48.46	-269.70	1,224.19	1,175.96	1,151.20	24.76	47.497		
3,500.00	3,452.62	3,053.64	2,750.94	14.28	24.77	-48.55	-283.11	1,275.40	1,221.37	1,195.64	25.73	47.461		
3,600.00	3,550.09	3,142.72	2,822.58	14.79	25.93	-48.64	-296.51	1,326.61	1,266.78	1,240.07	26.71	47.421		
3,700.00	3,647.55	3,231.80	2,894.22	15.30	27.08	-48.72	-309.91	1,377.82	1,312.19	1,284.50	27.70	47.379		
3,800.00	3,745.02	3,320.88	2,965.87	15.81	28.24	-48.80	-323.32	1,429.03	1,357.60	1,328.92	28.68	47.334		
3,900.00	3,842.49	3,409.96	3,037.51	16.32	29.40	-48.87	-336.72	1,480.24	1,403.02	1,373.35	29.67	47.289		
4,000.00	3,939.95	3,499.04	3,109.16	16.84	30.56	-48.94	-350.12	1,531.45	1,448.44	1,417.78	30.66	47.242		
4,100.00	4,037.42	3,588.12	3,180.80	17.35	31.73	-49.00	-363.52	1,582.66	1,493.86	1,462.20	31.65	47.196		
4,200.00	4,134.88	3,677.20	3,252.45	17.87	32.89	-49.06	-376.93	1,633.87	1,539.28	1,506.63	32.65	47.149		
4,300.00	4,232.35	3,766.27	3,324.09	18.39	34.05	-49.12	-390.33	1,685.08	1,584.70	1,551.05	33.64	47.102		
4,400.00	4,329.81	3,855.35	3,395.74	18.90	35.22	-49.17	-403.73	1,736.29	1,630.12	1,595.48	34.64	47.056		
4,500.00	4,427.28	3,944.43	3,467.38	19.42	36.38	-49.22	-417.14	1,787.50	1,675.54	1,639.90	35.64	47.010		
4,600.00	4,524.75	4,033.51	3,539.03	19.94	37.55	-49.27	-430.54	1,838.71	1,720.97	1,684.32	36.64	46.965		
4,700.00	4,622.21	4,122.59	3,610.67	20.46	38.72	-49.32	-443.94	1,889.92	1,766.39	1,728.75	37.65	46.921		
4,800.00	4,719.68	4,211.67	3,682.32	20.98	39.89	-49.36	-457.35	1,941.13	1,811.82	1,773.17	38.65	46.877		
4,900.00	4,817.14	4,300.75	3,753.96	21.50	41.05	-49.40	-470.75	1,992.33	1,857.25	1,817.59	39.66	46.834		
5,000.00	4,914.61	4,389.83	3,825.60	22.02	42.22	-49.44	-484.15	2,043.54	1,902.67	1,862.01	40.66	46.792		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	5,012.07	4,478.90	3,897.25	22.54	43.39	-49.48	-497.56	2,094.75	1,948.10	1,906.43	41.67	46.751		
5,200.00	5,109.54	4,567.98	3,968.89	23.06	44.56	-49.51	-510.96	2,145.96	1,993.53	1,950.85	42.68	46.710		
5,300.00	5,207.01	4,657.06	4,040.54	23.59	45.73	-49.55	-524.36	2,197.17	2,038.96	1,995.27	43.69	46.671		
5,400.00	5,304.47	4,746.14	4,112.18	24.11	46.90	-49.58	-537.76	2,248.38	2,084.39	2,039.69	44.70	46.632		
5,500.00	5,401.94	4,835.22	4,183.83	24.63	48.07	-49.61	-551.17	2,299.59	2,129.82	2,084.11	45.71	46.594		
5,600.00	5,499.40	4,924.30	4,255.47	25.16	49.24	-49.64	-564.57	2,350.80	2,175.25	2,128.53	46.72	46.557		
5,700.00	5,596.87	5,013.38	4,327.12	25.68	50.41	-49.67	-577.97	2,402.01	2,220.68	2,172.95	47.74	46.521		
5,800.00	5,694.33	5,102.46	4,398.76	26.20	51.58	-49.70	-591.38	2,453.22	2,266.12	2,217.37	48.75	46.485		
5,900.00	5,791.80	5,208.47	4,470.41	26.73	52.98	-49.72	-604.78	2,504.43	2,311.55	2,261.68	49.87	46.349		
6,000.00	5,889.27	5,280.61	4,542.05	27.25	53.93	-49.75	-618.18	2,555.64	2,356.98	2,306.20	50.78	46.416		
6,100.00	5,986.73	5,369.69	4,613.70	27.78	55.10	-49.77	-631.59	2,606.85	2,402.41	2,350.62	51.80	46.383		
6,200.00	6,084.20	5,458.77	4,685.34	28.30	56.27	-49.79	-644.99	2,658.06	2,447.85	2,395.04	52.81	46.350		
6,300.00	6,181.66	5,547.85	4,756.98	28.82	57.44	-49.82	-658.39	2,709.27	2,493.28	2,439.45	53.83	46.319		
6,400.00	6,279.13	5,636.93	4,828.63	29.35	58.61	-49.84	-671.80	2,760.48	2,538.72	2,483.87	54.85	46.287		
6,500.00	6,376.59	5,726.01	4,900.27	29.88	59.79	-49.86	-685.20	2,811.69	2,584.15	2,528.28	55.87	46.257		
6,600.00	6,474.06	5,815.09	4,971.92	30.40	60.96	-49.88	-698.60	2,862.90	2,629.58	2,572.70	56.88	46.227		
6,700.00	6,571.53	5,904.16	5,043.56	30.93	62.13	-49.90	-712.01	2,914.11	2,675.02	2,617.12	57.90	46.198		
6,800.00	6,668.99	6,006.76	5,115.21	31.45	63.48	-49.92	-725.41	2,965.32	2,720.45	2,661.44	59.01	46.101		
6,887.36	6,754.14	6,071.06	5,177.80	31.91	64.33	-49.93	-737.12	3,010.06	2,760.15	2,700.33	59.82	46.144		
6,900.00	6,766.46	6,082.31	5,186.85	31.98	64.48	-50.04	-738.81	3,016.52	2,765.91	2,705.96	59.94	46.141		
7,000.00	6,864.39	6,170.74	5,257.97	32.48	65.64	-50.83	-752.12	3,067.36	2,812.58	2,751.66	60.92	46.165		
7,100.00	6,962.96	6,258.05	5,328.19	32.94	66.79	-51.61	-765.25	3,117.55	2,861.20	2,799.36	61.84	46.269		
7,200.00	7,062.06	6,344.14	5,397.42	33.36	67.92	-52.40	-778.20	3,167.04	2,911.71	2,849.02	62.68	46.451		
7,300.00	7,161.57	6,428.89	5,465.59	33.74	69.04	-53.18	-790.96	3,215.76	2,964.06	2,900.60	63.46	46.706		
7,400.00	7,261.36	6,512.21	5,532.60	34.08	70.14	-53.96	-803.49	3,263.66	3,018.22	2,954.04	64.18	47.031		
7,500.00	7,361.31	6,606.00	5,598.38	34.39	71.37	-54.76	-815.80	3,310.68	3,074.14	3,009.24	64.90	47.367		
7,533.69	7,395.00	6,621.19	5,620.25	34.48	71.57	86.12	-819.89	3,326.31	3,093.37	3,028.35	65.02	47.572		
7,600.00	7,461.31	6,600.41	5,641.31	34.65	84.92	89.71	-975.39	3,920.45	3,121.99	3,049.24	72.75	42.912		
7,633.69	7,495.00	6,634.10	5,649.00	34.73	84.96	89.71	-975.39	3,920.45	3,121.99	3,049.08	72.91	42.821		
7,650.00	7,511.31	6,650.32	5,651.22	34.78	84.98	89.95	-975.62	3,920.45	3,121.99	3,049.00	72.99	42.773		
7,700.00	7,561.16	6,700.05	5,660.81	34.94	85.04	89.95	-979.19	3,920.47	3,121.99	3,048.70	73.29	42.598		
7,750.00	7,610.51	6,749.79	5,690.91	35.14	85.11	89.95	-987.03	3,920.52	3,121.99	3,048.34	73.66	42.387		
7,800.00	7,658.98	6,799.53	5,728.14	35.37	85.20	89.95	-999.11	3,920.59	3,121.99	3,047.91	74.08	42.141		
7,850.00	7,706.21	6,849.28	5,765.16	35.64	85.30	89.96	-1,015.32	3,920.69	3,122.00	3,047.42	74.58	41.862		
7,900.00	7,751.82	6,899.03	5,795.59	35.93	85.41	89.96	-1,035.56	3,920.81	3,122.00	3,046.87	75.13	41.553		
7,950.00	7,795.49	6,948.80	5,824.12	36.26	85.54	89.96	-1,059.66	3,920.96	3,122.00	3,046.25	75.75	41.215		
8,000.00	7,836.86	6,998.58	5,853.39	36.62	85.67	89.96	-1,087.46	3,921.13	3,122.01	3,045.58	76.43	40.850		
8,050.00	7,875.64	7,048.37	5,884.11	37.00	85.82	89.96	-1,118.74	3,921.32	3,122.01	3,044.85	77.16	40.462		
8,100.00	7,911.52	7,098.18	5,909.98	37.42	85.98	89.97	-1,153.27	3,921.53	3,122.02	3,044.07	77.95	40.052		
8,150.00	7,944.22	7,148.00	5,942.73	37.86	86.14	89.97	-1,190.80	3,921.76	3,122.02	3,043.23	78.79	39.623		
8,200.00	7,973.51	7,197.84	5,972.10	38.32	86.32	89.97	-1,231.05	3,922.00	3,122.03	3,042.34	79.68	39.180		
8,250.00	7,999.16	7,247.70	6,001.87	38.81	86.51	89.98	-1,273.71	3,922.26	3,122.03	3,041.41	80.62	38.724		
8,300.00	8,020.98	7,297.59	6,031.85	39.31	86.70	89.98	-1,318.47	3,922.54	3,122.04	3,040.44	81.60	38.259		
8,350.00	8,038.79	7,347.49	6,063.86	39.84	86.91	89.98	-1,365.00	3,922.82	3,122.05	3,039.43	82.62	37.790		
8,400.00	8,052.46	7,397.41	6,095.76	40.38	87.12	89.99	-1,412.93	3,923.11	3,122.05	3,038.39	83.66	37.318		
8,450.00	8,061.89	7,447.36	6,126.44	40.93	87.34	89.99	-1,461.91	3,923.41	3,122.06	3,037.34	84.73	36.849		
8,500.00	8,067.01	7,497.33	6,156.82	41.49	87.57	90.00	-1,511.58	3,923.71	3,122.07	3,036.27	85.80	36.386		
8,533.77	8,068.00	7,537.26	6,186.00	41.88	87.75	90.00	-1,545.31	3,923.91	3,122.07	3,035.48	86.60	36.053		
8,600.00	8,068.00	7,602.67	6,216.00	42.64	88.06	90.00	-1,611.54	3,924.32	3,122.08	3,034.03	88.05	35.458		
8,700.00	8,068.00	7,702.67	6,286.00	43.82	88.55	90.00	-1,711.54	3,924.93	3,122.10	3,031.77	90.33	34.563		
8,800.00	8,068.00	7,802.67	6,356.99	45.04	89.07	90.00	-1,811.54	3,925.53	3,122.12	3,029.43	92.69	33.684		
8,900.00	8,067.99	7,902.67	6,426.99	46.30	89.61	90.00	-1,911.54	3,926.14	3,122.13	3,027.01	95.12	32.823		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,000.00	8,067.99	10,002.67	8,067.99	47.59	90.17	-90.00	-2,011.54	3,926.75	3,122.14	3,024.53	97.62	31.983		
9,100.00	8,067.99	10,102.67	8,067.99	48.91	90.76	-90.00	-2,111.53	3,927.36	3,122.16	3,021.98	100.18	31.165		
9,200.00	8,067.99	10,202.67	8,067.98	50.26	91.37	-90.00	-2,211.53	3,927.97	3,122.17	3,019.37	102.80	30.371		
9,300.00	8,067.99	10,302.67	8,067.98	51.63	92.01	-90.00	-2,311.53	3,928.57	3,122.19	3,016.72	105.47	29.602		
9,400.00	8,067.99	10,402.67	8,067.98	53.03	92.67	-90.00	-2,411.53	3,929.18	3,122.20	3,014.01	108.20	28.857		
9,500.00	8,067.98	10,502.67	8,067.98	54.44	93.35	-90.00	-2,511.53	3,929.79	3,122.22	3,011.25	110.97	28.137		
9,600.00	8,067.98	10,602.67	8,067.98	55.88	94.06	-90.00	-2,611.53	3,930.40	3,122.23	3,008.45	113.78	27.442		
9,700.00	8,067.98	10,702.67	8,067.97	57.34	94.80	-90.00	-2,711.52	3,931.01	3,122.25	3,005.62	116.63	26.771		
9,800.00	8,067.98	10,802.67	8,067.97	58.81	95.56	-90.00	-2,811.52	3,931.61	3,122.26	3,002.74	119.52	26.124		
9,900.00	8,067.98	10,902.67	8,067.97	60.31	96.34	-90.00	-2,911.52	3,932.22	3,122.27	2,999.83	122.44	25.501		
10,000.00	8,067.98	11,002.67	8,067.97	61.81	97.14	-90.00	-3,011.52	3,932.83	3,122.29	2,996.89	125.39	24.900		
10,100.00	8,067.98	11,102.67	8,067.96	63.33	97.97	-90.00	-3,111.52	3,933.44	3,122.30	2,993.92	128.38	24.321		
10,200.00	8,067.97	11,202.67	8,067.96	64.86	98.83	-90.00	-3,211.51	3,934.05	3,122.32	2,990.93	131.39	23.764		
10,300.00	8,067.97	11,302.67	8,067.96	66.41	99.70	-90.00	-3,311.51	3,934.66	3,122.33	2,987.90	134.43	23.227		
10,400.00	8,067.97	11,397.33	8,067.96	67.96	100.56	-90.00	-3,411.51	3,935.26	3,122.34	2,984.93	137.41	22.723		
10,500.00	8,067.97	11,502.67	8,067.96	69.53	101.53	-90.00	-3,511.51	3,935.87	3,122.36	2,981.78	140.57	22.212		
10,600.00	8,067.97	11,597.33	8,067.95	71.10	102.42	-90.00	-3,611.51	3,936.48	3,122.37	2,978.77	143.60	21.744		
10,700.00	8,067.97	11,702.67	8,067.95	72.69	103.44	-90.00	-3,711.51	3,937.09	3,122.38	2,975.58	146.80	21.269		
10,800.00	8,067.97	11,802.67	8,067.95	74.28	104.43	-90.00	-3,811.50	3,937.70	3,122.40	2,972.45	149.95	20.823		
10,900.00	8,067.97	11,897.33	8,067.95	75.88	105.38	-90.00	-3,911.50	3,938.30	3,122.41	2,969.38	153.03	20.404		
11,000.00	8,067.97	12,002.67	8,067.94	77.49	106.47	-90.00	-4,011.50	3,938.91	3,122.42	2,966.13	156.29	19.979		
11,100.00	8,067.97	12,102.67	8,067.94	79.10	107.52	-90.00	-4,111.50	3,939.52	3,122.43	2,962.95	159.48	19.579		
11,200.00	8,067.96	12,202.67	8,067.94	80.73	108.59	-90.00	-4,211.50	3,940.13	3,122.45	2,959.76	162.69	19.193		
11,300.00	8,067.96	12,302.67	8,067.94	82.35	109.68	-90.00	-4,311.49	3,940.74	3,122.46	2,956.55	165.91	18.820		
11,400.00	8,067.96	12,402.67	8,067.93	83.99	110.79	-90.00	-4,411.49	3,941.34	3,122.47	2,953.33	169.15	18.460		
11,500.00	8,067.96	12,497.33	8,067.93	85.63	111.86	-90.00	-4,511.49	3,941.95	3,122.49	2,950.18	172.31	18.122		
11,600.00	8,067.96	12,597.33	8,067.93	87.27	113.01	-90.00	-4,611.49	3,942.56	3,122.50	2,946.93	175.56	17.785		
11,700.00	8,067.96	12,702.67	8,067.93	88.92	114.24	-90.00	-4,711.49	3,943.17	3,122.51	2,943.59	178.92	17.452		
11,800.00	8,067.96	12,797.33	8,067.93	90.58	115.35	-90.00	-4,811.49	3,943.78	3,122.52	2,940.41	182.11	17.146		
11,900.00	8,067.96	12,902.67	8,067.92	92.23	116.62	-90.00	-4,911.48	3,944.39	3,122.54	2,937.05	185.49	16.834		
12,000.00	8,067.96	13,002.67	8,067.92	93.90	117.83	-90.00	-5,011.48	3,944.99	3,122.55	2,933.76	188.79	16.540		
12,100.00	8,067.96	13,102.67	8,067.92	95.56	119.06	-90.00	-5,111.48	3,945.60	3,122.56	2,930.47	192.09	16.255		
12,200.00	8,067.96	13,202.67	8,067.92	97.23	120.31	-90.00	-5,211.48	3,946.21	3,122.57	2,927.16	195.41	15.980		
12,300.00	8,067.96	13,302.67	8,067.91	98.91	121.57	-90.00	-5,311.48	3,946.82	3,122.58	2,923.85	198.73	15.713		
12,400.00	8,067.96	13,402.67	8,067.91	100.59	122.85	-90.00	-5,411.47	3,947.43	3,122.59	2,920.53	202.06	15.454		
12,500.00	8,067.96	13,497.33	8,067.91	102.27	124.07	-90.00	-5,511.47	3,948.03	3,122.61	2,917.29	205.31	15.209		
12,600.00	8,067.96	13,602.67	8,067.91	103.95	125.44	-90.00	-5,611.47	3,948.64	3,122.62	2,913.87	208.75	14.959		
12,700.00	8,067.96	13,697.33	8,067.90	105.64	126.69	-90.00	-5,711.47	3,949.25	3,122.63	2,910.62	212.01	14.729		
12,800.00	8,067.96	13,797.33	8,067.90	107.33	128.02	-90.00	-5,811.47	3,949.86	3,122.64	2,907.27	215.37	14.499		
12,900.00	8,067.96	13,902.67	8,067.90	109.02	129.43	-90.00	-5,911.46	3,950.47	3,122.65	2,903.83	218.82	14.270		
13,000.00	8,067.96	14,002.67	8,067.90	110.71	130.79	-90.00	-6,011.46	3,951.07	3,122.66	2,900.48	222.19	14.054		
13,100.00	8,067.96	14,102.67	8,067.90	112.41	132.15	-90.00	-6,111.46	3,951.68	3,122.67	2,897.11	225.56	13.844		
13,200.00	8,067.96	14,202.67	8,067.89	114.11	133.53	-90.00	-6,211.46	3,952.29	3,122.69	2,893.74	228.94	13.640		
13,300.00	8,067.96	14,297.33	8,067.89	115.81	134.84	-90.00	-6,311.46	3,952.90	3,122.70	2,890.46	232.24	13.446		
13,400.00	8,067.96	14,402.67	8,067.89	117.52	136.31	-90.00	-6,411.46	3,953.51	3,122.71	2,886.99	235.72	13.248		
13,500.00	8,067.96	14,502.67	8,067.89	119.22	137.72	-90.00	-6,511.45	3,954.12	3,122.72	2,883.61	239.11	13.060		
13,600.00	8,067.96	14,602.67	8,067.88	120.93	139.14	-90.00	-6,611.45	3,954.72	3,122.73	2,880.22	242.51	12.877		
13,700.00	8,067.96	14,702.67	8,067.88	122.64	140.57	-90.00	-6,711.45	3,955.33	3,122.74	2,876.83	245.91	12.699		
13,800.00	8,067.96	14,802.67	8,067.88	124.35	142.00	-90.00	-6,811.45	3,955.94	3,122.75	2,873.43	249.32	12.525		
13,900.00	8,067.96	14,902.67	8,067.88	126.06	143.45	-90.00	-6,911.45	3,956.55	3,122.76	2,870.03	252.73	12.356		
14,000.00	8,067.96	15,002.67	8,067.87	127.78	144.90	-90.00	-7,011.44	3,957.16	3,122.77	2,866.63	256.14	12.192		
14,100.00	8,067.96	15,102.67	8,067.87	129.50	146.37	-90.00	-7,111.44	3,957.76	3,122.78	2,863.22	259.56	12.031		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	8,067.96	15,202.67	8,067.87	131.21	147.84	-90.00	-7,211.44	3,958.37	3,122.79	2,859.81	262.98	11.875		
14,300.00	8,067.96	15,302.67	8,067.87	132.93	149.31	-90.00	-7,311.44	3,958.98	3,122.80	2,856.39	266.41	11.722		
14,400.00	8,067.96	15,402.67	8,067.87	134.65	150.80	-90.00	-7,411.44	3,959.59	3,122.81	2,852.98	269.83	11.573		
14,500.00	8,067.96	15,502.67	8,067.86	136.38	152.29	-90.00	-7,511.44	3,960.20	3,122.82	2,849.56	273.26	11.428		
14,600.00	8,067.96	15,602.67	8,067.86	138.10	153.79	-90.00	-7,611.43	3,960.80	3,122.83	2,846.13	276.70	11.286		
14,700.00	8,067.96	15,702.67	8,067.86	139.82	155.30	-90.00	-7,711.43	3,961.41	3,122.84	2,842.71	280.13	11.148		
14,800.00	8,067.96	15,802.67	8,067.86	141.55	156.81	-90.00	-7,811.43	3,962.02	3,122.85	2,839.28	283.57	11.013		
14,900.00	8,067.96	15,902.67	8,067.85	143.28	158.33	-90.00	-7,911.43	3,962.63	3,122.86	2,835.85	287.01	10.881		
15,000.00	8,067.96	16,002.67	8,067.85	145.00	159.85	-90.00	-8,011.43	3,963.24	3,122.87	2,832.41	290.46	10.752		
15,100.00	8,067.96	16,102.67	8,067.85	146.73	161.38	-90.00	-8,111.42	3,963.84	3,122.88	2,828.97	293.90	10.625		
15,200.00	8,067.96	16,202.67	8,067.85	148.46	162.92	-90.00	-8,211.42	3,964.45	3,122.89	2,825.53	297.35	10.502		
15,300.00	8,067.96	16,302.67	8,067.84	150.19	164.46	-90.00	-8,311.42	3,965.06	3,122.90	2,822.09	300.80	10.382		
15,400.00	8,067.96	16,402.67	8,067.84	151.93	166.01	-90.00	-8,411.42	3,965.67	3,122.91	2,818.65	304.26	10.264		
15,500.00	8,067.96	16,502.67	8,067.84	153.66	167.56	-90.00	-8,511.42	3,966.28	3,122.91	2,815.20	307.71	10.149		
15,600.00	8,067.96	16,602.67	8,067.84	155.39	169.12	-90.00	-8,611.41	3,966.89	3,122.92	2,811.75	311.17	10.036		
15,700.00	8,067.97	16,702.67	8,067.84	157.13	170.68	-90.00	-8,711.41	3,967.49	3,122.93	2,808.30	314.63	9.926		
15,800.00	8,067.97	16,797.33	8,067.83	158.86	172.16	-90.00	-8,811.41	3,968.10	3,122.94	2,804.94	318.00	9.821		
15,900.00	8,067.97	16,902.67	8,067.83	160.60	173.82	-90.00	-8,911.41	3,968.71	3,122.95	2,801.40	321.55	9.712		
16,000.00	8,067.97	17,002.67	8,067.83	162.34	175.39	-90.00	-9,011.41	3,969.32	3,122.96	2,797.94	325.02	9.609		
16,100.00	8,067.97	17,102.67	8,067.83	164.08	176.97	-90.00	-9,111.41	3,969.93	3,122.97	2,794.48	328.49	9.507		
16,200.00	8,067.97	17,202.67	8,067.82	165.81	178.56	-90.00	-9,211.40	3,970.53	3,122.97	2,791.02	331.95	9.408		
16,300.00	8,067.97	17,302.67	8,067.82	167.55	180.15	-90.00	-9,311.40	3,971.14	3,122.98	2,787.56	335.42	9.311		
16,400.00	8,067.97	17,402.67	8,067.82	169.29	181.74	-90.00	-9,411.40	3,971.75	3,122.99	2,784.10	338.90	9.215		
16,500.00	8,067.97	17,502.67	8,067.82	171.04	183.33	-90.00	-9,511.40	3,972.36	3,123.00	2,780.63	342.37	9.122		
16,600.00	8,067.98	17,602.67	8,067.82	172.78	184.93	-90.00	-9,611.40	3,972.97	3,123.01	2,777.16	345.84	9.030		
16,700.00	8,067.98	17,702.67	8,067.81	174.52	186.54	-90.00	-9,711.39	3,973.57	3,123.01	2,773.70	349.32	8.940		
16,800.00	8,067.98	17,802.67	8,067.81	176.26	188.15	-90.00	-9,811.39	3,974.18	3,123.02	2,770.23	352.80	8.852		
16,900.00	8,067.98	17,902.67	8,067.81	178.01	189.76	-90.00	-9,911.39	3,974.79	3,123.03	2,766.76	356.27	8.766		
17,000.00	8,067.98	18,002.67	8,067.81	179.75	191.37	-90.00	-10,011.39	3,975.40	3,123.04	2,763.28	359.75	8.681		
17,100.00	8,067.98	18,102.67	8,067.80	181.49	192.99	-90.00	-10,111.39	3,976.01	3,123.05	2,759.81	363.24	8.598		
17,200.00	8,067.98	18,202.67	8,067.80	183.24	194.61	-90.00	-10,211.39	3,976.62	3,123.05	2,756.33	366.72	8.516		
17,300.00	8,067.99	18,297.33	8,067.80	184.99	196.14	-90.00	-10,311.38	3,977.22	3,123.06	2,752.95	370.11	8.438		
17,400.00	8,067.99	18,402.67	8,067.80	186.73	197.85	-90.00	-10,411.38	3,977.83	3,123.07	2,749.38	373.69	8.357		
17,500.00	8,067.99	18,502.67	8,067.79	188.48	199.48	-90.00	-10,511.38	3,978.44	3,123.07	2,745.90	377.17	8.280		
17,600.00	8,067.99	18,602.67	8,067.79	190.23	201.11	-90.00	-10,611.38	3,979.05	3,123.08	2,742.42	380.66	8.204		
17,700.00	8,067.99	18,702.67	8,067.79	191.97	202.75	-90.00	-10,711.38	3,979.66	3,123.09	2,738.94	384.15	8.130		
17,800.00	8,067.99	18,802.67	8,067.79	193.72	204.38	-90.00	-10,811.37	3,980.26	3,123.10	2,735.46	387.64	8.057		
17,900.00	8,068.00	18,897.33	8,067.79	195.47	205.94	-90.00	-10,911.37	3,980.87	3,123.10	2,732.07	391.04	7.987		
18,000.00	8,068.00	19,002.67	8,067.78	197.22	207.67	-90.00	-11,011.37	3,981.48	3,123.11	2,728.49	394.62	7.914		
18,100.00	8,068.00	19,097.33	8,067.78	198.97	209.22	-90.00	-11,111.37	3,982.09	3,123.12	2,725.10	398.02	7.847		
18,184.63	8,068.00	19,181.96	8,067.78	200.45	210.61	-90.00	-11,196.00	3,982.60	3,123.12	2,722.15	400.98	7.789		
18,185.16	8,068.00	19,182.49	8,067.78	200.47	210.62	-90.00	-11,196.53	3,982.61	3,123.12	2,722.13	400.99	7.788 SF		

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	90.32	-1.20	215.94	215.94					
100.00	100.00	100.00	100.00	0.13	0.13	90.32	-1.20	215.94	215.94	215.67	0.27	803.185		
200.00	200.00	200.00	200.00	0.49	0.49	90.32	-1.20	215.94	215.94	214.95	0.99	219.051	CC, ES	
300.00	300.00	293.12	293.11	0.85	0.82	90.41	-1.55	217.41	217.52	215.85	1.67	129.937		
400.00	400.00	386.05	385.92	1.21	1.15	90.67	-2.59	221.81	222.27	219.91	2.36	94.094		
500.00	500.00	478.59	478.15	1.57	1.49	91.08	-4.32	229.11	230.19	227.14	3.05	75.446		
600.00	600.00	570.55	569.52	1.93	1.85	91.61	-6.71	239.23	241.25	237.51	3.74	64.540		
700.00	700.00	661.75	659.75	2.29	2.22	92.21	-9.75	252.07	255.45	251.03	4.42	57.778		
800.00	800.00	752.01	748.60	2.64	2.61	92.87	-13.40	267.53	272.75	267.66	5.10	53.492		
900.00	900.00	841.18	835.84	3.00	3.03	93.54	-17.65	285.47	293.12	287.35	5.77	50.803		
1,000.00	1,000.00	929.10	921.25	3.36	3.47	94.20	-22.44	305.74	316.51	310.08	6.43	49.196		
1,100.00	1,100.00	1,015.64	1,004.67	3.72	3.94	94.83	-27.74	328.17	342.86	335.78	7.08	48.411		
1,200.00	1,200.00	1,100.68	1,085.91	4.08	4.43	95.43	-33.52	352.59	372.10	364.37	7.73	48.163		
1,300.00	1,299.98	1,184.50	1,165.23	4.42	4.96	-44.86	-39.75	378.95	402.99	394.65	8.34	48.312		
1,400.00	1,399.84	1,267.44	1,242.91	4.75	5.53	-44.32	-46.44	407.24	434.29	425.35	8.94	48.585		
1,500.00	1,499.45	1,349.50	1,318.90	5.09	6.12	-44.03	-53.57	437.37	465.93	456.39	9.54	48.844		
1,600.00	1,598.70	1,430.65	1,393.15	5.44	6.75	-43.92	-61.10	469.24	497.88	487.73	10.15	49.074		
1,700.00	1,697.47	1,510.90	1,465.63	5.81	7.42	-43.97	-69.03	502.76	530.13	519.37	10.76	49.263		
1,800.00	1,795.62	1,590.23	1,536.31	6.19	8.12	-44.14	-77.32	537.82	562.68	551.29	11.39	49.390		
1,846.33	1,840.86	1,626.68	1,568.43	6.38	8.46	-44.25	-81.28	554.56	577.87	566.18	11.69	49.431		
1,900.00	1,893.17	1,668.57	1,605.09	6.60	8.86	-44.64	-85.95	574.30	595.87	583.83	12.04	49.479		
2,000.00	1,990.64	1,745.51	1,671.62	7.02	9.63	-45.26	-94.84	611.89	631.42	618.71	12.71	49.687		
2,100.00	2,088.10	1,820.92	1,735.81	7.46	10.42	-45.79	-103.94	650.41	669.47	656.10	13.38	50.052		
2,200.00	2,185.57	1,894.75	1,797.61	7.91	11.24	-46.23	-113.24	689.71	709.93	695.89	14.04	50.553		
2,300.00	2,283.03	1,966.95	1,857.03	8.37	12.08	-46.58	-122.68	729.62	752.70	737.99	14.71	51.166		
2,400.00	2,380.50	2,037.49	1,914.06	8.84	12.95	-46.87	-132.23	770.01	797.69	782.32	15.37	51.891		
2,500.00	2,477.97	2,106.34	1,968.73	9.32	13.82	-47.10	-141.86	810.75	844.81	828.78	16.03	52.717		
2,600.00	2,575.43	2,173.48	2,021.06	9.80	14.71	-47.28	-151.54	851.69	893.97	877.30	16.67	53.620		
2,700.00	2,672.90	2,238.92	2,071.09	10.28	15.62	-47.42	-161.24	892.72	945.09	927.78	17.31	54.605		
2,800.00	2,770.36	2,308.75	2,123.48	10.77	16.61	-47.53	-171.87	937.66	998.02	980.00	18.01	55.403		
2,900.00	2,867.83	2,406.72	2,186.60	11.26	18.03	-47.64	-184.81	992.37	1,051.42	1,032.40	19.02	55.291		
3,000.00	2,965.29	2,477.81	2,249.72	11.76	19.07	-47.75	-197.75	1,047.09	1,104.82	1,084.96	19.86	55.635		
3,100.00	3,062.76	2,562.34	2,312.84	12.26	20.31	-47.84	-210.69	1,101.80	1,158.23	1,137.43	20.79	55.705		
3,200.00	3,160.23	2,646.87	2,375.96	12.76	21.56	-47.93	-223.63	1,156.52	1,211.63	1,189.90	21.73	55.753		
3,300.00	3,257.69	2,731.40	2,439.08	13.27	22.82	-48.01	-236.56	1,211.23	1,265.04	1,242.37	22.68	55.785		
3,400.00	3,355.16	2,815.93	2,502.21	13.77	24.07	-48.08	-249.50	1,265.95	1,318.45	1,294.83	23.63	55.802		
3,500.00	3,452.62	2,900.46	2,565.33	14.28	25.33	-48.15	-262.44	1,320.66	1,371.87	1,347.28	24.58	55.808		
3,600.00	3,550.09	2,984.99	2,628.45	14.79	26.60	-48.21	-275.38	1,375.38	1,425.28	1,399.74	25.54	55.805		
3,700.00	3,647.55	3,069.52	2,691.57	15.30	27.87	-48.27	-288.32	1,430.09	1,478.69	1,452.19	26.50	55.794		
3,800.00	3,745.02	3,154.05	2,754.69	15.81	29.13	-48.32	-301.26	1,484.80	1,532.11	1,504.64	27.47	55.778		
3,900.00	3,842.49	3,238.58	2,817.81	16.32	30.40	-48.37	-314.20	1,539.52	1,585.53	1,557.09	28.44	55.758		
4,000.00	3,939.95	3,323.11	2,880.93	16.84	31.68	-48.42	-327.13	1,594.23	1,638.94	1,609.54	29.41	55.734		
4,100.00	4,037.42	3,407.64	2,944.05	17.35	32.95	-48.46	-340.07	1,648.95	1,692.36	1,661.98	30.38	55.707		
4,200.00	4,134.88	3,507.83	3,007.17	17.87	34.46	-48.50	-353.01	1,703.66	1,745.78	1,714.32	31.46	55.493		
4,300.00	4,232.35	3,576.70	3,070.29	18.39	35.50	-48.54	-365.95	1,758.38	1,799.20	1,766.87	32.33	55.648		
4,400.00	4,329.81	3,661.23	3,133.42	18.90	36.78	-48.57	-378.89	1,813.09	1,852.62	1,819.31	33.31	55.616		
4,500.00	4,427.28	3,745.76	3,196.54	19.42	38.06	-48.61	-391.83	1,867.81	1,906.04	1,871.75	34.29	55.582		
4,600.00	4,524.75	3,830.29	3,259.66	19.94	39.34	-48.64	-404.77	1,922.52	1,959.46	1,924.19	35.27	55.549		
4,700.00	4,622.21	3,914.83	3,322.78	20.46	40.62	-48.67	-417.70	1,977.24	2,012.88	1,976.62	36.26	55.515		
4,800.00	4,719.68	4,000.64	3,385.90	20.98	41.92	-48.70	-430.64	2,031.95	2,066.30	2,029.05	37.25	55.467		
4,900.00	4,817.14	4,083.89	3,449.02	21.50	43.18	-48.73	-443.58	2,086.67	2,119.73	2,081.50	38.23	55.446		
5,000.00	4,914.61	4,168.42	3,512.14	22.02	44.47	-48.75	-456.52	2,141.38	2,173.15	2,133.93	39.22	55.411		

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



# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	5,012.07	4,252.95	3,575.26	22.54	45.75	-48.78	-469.46	2,196.09	2,226.57	2,186.36	40.21	55.376		
5,200.00	5,109.54	4,337.48	3,638.38	23.06	47.03	-48.80	-482.40	2,250.81	2,279.99	2,238.80	41.20	55.342		
5,300.00	5,207.01	4,422.01	3,701.50	23.59	48.32	-48.83	-495.34	2,305.52	2,333.42	2,291.23	42.19	55.308		
5,400.00	5,304.47	4,506.54	3,764.62	24.11	49.60	-48.85	-508.28	2,360.24	2,386.84	2,343.66	43.18	55.274		
5,500.00	5,401.94	4,591.07	3,827.75	24.63	50.88	-48.87	-521.21	2,414.95	2,440.27	2,396.09	44.18	55.240		
5,600.00	5,499.40	4,675.60	3,890.87	25.16	52.17	-48.89	-534.15	2,469.67	2,493.69	2,448.52	45.17	55.207		
5,700.00	5,596.87	4,760.13	3,953.99	25.68	53.45	-48.91	-547.09	2,524.38	2,547.11	2,500.95	46.16	55.174		
5,800.00	5,694.33	4,844.66	4,017.11	26.20	54.74	-48.93	-560.03	2,579.10	2,600.54	2,553.38	47.16	55.142		
5,900.00	5,791.80	4,929.19	4,080.23	26.73	56.03	-48.94	-572.97	2,633.81	2,653.96	2,605.80	48.16	55.110		
6,000.00	5,889.27	5,013.72	4,143.35	27.25	57.31	-48.96	-585.91	2,688.53	2,707.39	2,658.23	49.16	55.078		
6,100.00	5,986.73	5,101.75	4,206.47	27.78	58.65	-48.98	-598.85	2,743.24	2,760.81	2,710.63	50.18	55.021		
6,200.00	6,084.20	5,182.78	4,269.59	28.30	59.89	-48.99	-611.78	2,797.96	2,814.24	2,763.08	51.15	55.016		
6,300.00	6,181.66	5,267.31	4,332.71	28.82	61.17	-49.01	-624.72	2,852.67	2,867.66	2,815.51	52.15	54.986		
6,400.00	6,279.13	5,351.84	4,395.83	29.35	62.46	-49.02	-637.66	2,907.39	2,921.09	2,867.93	53.15	54.956		
6,500.00	6,376.59	5,436.37	4,458.96	29.88	63.75	-49.04	-650.60	2,962.10	2,974.51	2,920.36	54.15	54.926		
6,600.00	6,474.06	5,520.90	4,522.08	30.40	65.04	-49.05	-663.54	3,016.81	3,027.94	2,972.78	55.16	54.897		
6,700.00	6,571.53	5,605.43	4,585.20	30.93	66.32	-49.06	-676.48	3,071.53	3,081.36	3,025.20	56.16	54.868		
6,800.00	6,668.99	5,689.96	4,648.32	31.45	67.61	-49.07	-689.42	3,126.24	3,134.79	3,077.63	57.16	54.840		
6,887.36	6,754.14	5,763.81	4,703.46	31.91	68.74	-49.08	-700.72	3,174.04	3,181.46	3,123.42	58.04	54.815		
6,900.00	6,766.46	5,774.48	4,711.43	31.98	68.90	-49.21	-702.35	3,180.95	3,188.23	3,130.06	58.17	54.812		
7,000.00	6,864.39	5,858.23	4,773.97	32.48	70.18	-50.18	-715.17	3,235.16	3,242.85	3,183.72	59.13	54.842		
7,100.00	6,962.96	5,940.66	4,835.53	32.94	71.43	-51.16	-727.79	3,288.52	3,299.33	3,239.30	60.03	54.959		
7,200.00	7,062.06	6,021.68	4,896.02	33.36	72.67	-52.15	-740.19	3,340.96	3,357.62	3,296.75	60.87	55.162		
7,300.00	7,161.57	6,101.17	4,955.38	33.74	73.88	-53.16	-752.36	3,392.41	3,417.64	3,356.00	61.64	55.445		
7,400.00	7,261.36	6,179.05	5,013.54	34.08	75.07	-54.19	-764.28	3,442.82	3,479.36	3,417.01	62.35	55.806		
7,500.00	7,361.31	6,257.69	5,071.12	34.39	76.29	-55.19	-776.21	3,493.38	3,537.00	3,464.00	73.01	48.447		
7,525.36	7,386.67	6,289.44	5,103.21	34.46	76.32	-55.10	-777.29	3,493.38	3,537.00	3,464.00	73.01	48.447		
7,533.69	7,395.00	6,301.13	5,111.63	34.48	76.34	-55.08	-778.36	3,493.38	3,537.00	3,464.00	73.01	48.447		
7,600.00	7,461.31	6,366.13	5,176.55	34.65	76.54	-55.08	-780.36	3,503.38	3,547.00	3,474.00	73.01	48.447		
7,633.69	7,495.00	6,400.45	5,210.65	34.73	76.69	-55.06	-782.36	3,513.38	3,557.00	3,484.00	73.01	48.447		
7,650.00	7,511.31	6,416.76	5,226.97	34.78	76.74	-55.05	-783.41	3,518.38	3,562.00	3,489.00	73.01	48.447		
7,700.00	7,561.16	6,466.15	5,276.49	34.94	76.91	-55.04	-784.46	3,523.38	3,567.00	3,494.00	73.01	48.447		
7,750.00	7,610.51	6,515.60	5,326.01	35.14	77.10	-55.03	-785.51	3,528.38	3,572.00	3,499.00	73.01	48.447		
7,800.00	7,658.98	6,564.07	5,375.53	35.37	77.29	-55.02	-786.56	3,533.38	3,577.00	3,504.00	73.01	48.447		
7,850.00	7,706.21	6,612.49	5,425.05	35.64	77.48	-55.01	-787.61	3,538.38	3,582.00	3,509.00	73.01	48.447		
7,900.00	7,751.82	6,659.91	5,474.57	35.93	77.67	-55.00	-788.66	3,543.38	3,587.00	3,514.00	73.01	48.447		
7,950.00	7,795.49	6,702.33	5,524.09	36.26	77.86	-54.99	-789.71	3,548.38	3,592.00	3,519.00	73.01	48.447		
8,000.00	7,836.86	6,744.75	5,573.61	36.62	78.05	-54.98	-790.76	3,553.38	3,597.00	3,524.00	73.01	48.447		
8,050.00	7,875.64	6,782.17	5,623.13	37.00	78.24	-54.97	-791.81	3,558.38	3,602.00	3,529.00	73.01	48.447		
8,100.00	7,911.52	6,819.59	5,672.65	37.42	78.43	-54.96	-792.86	3,563.38	3,607.00	3,534.00	73.01	48.447		
8,150.00	7,944.22	6,856.01	5,722.17	37.86	78.62	-54.95	-793.91	3,568.38	3,612.00	3,539.00	73.01	48.447		
8,200.00	7,973.51	6,891.43	5,771.69	38.32	78.81	-54.94	-794.96	3,573.38	3,617.00	3,544.00	73.01	48.447		
8,250.00	7,999.16	6,917.85	5,800.11	38.81	78.99	-54.93	-796.01	3,578.38	3,622.00	3,549.00	73.01	48.447		
8,300.00	8,020.98	6,940.27	5,828.53	39.31	79.18	-54.92	-797.06	3,583.38	3,627.00	3,554.00	73.01	48.447		
8,350.00	8,038.79	6,958.69	5,846.95	39.84	79.37	-54.91	-798.11	3,588.38	3,632.00	3,559.00	73.01	48.447		
8,400.00	8,052.46	6,973.11	5,861.37	40.38	79.56	-54.90	-799.16	3,593.38	3,637.00	3,564.00	73.01	48.447		
8,450.00	8,061.89	6,982.53	5,870.79	40.93	79.75	-54.89	-800.21	3,598.38	3,642.00	3,569.00	73.01	48.447		
8,500.00	8,067.01	6,987.95	5,875.21	41.49	79.94	-54.88	-801.26	3,603.38	3,647.00	3,574.00	73.01	48.447		
8,533.77	8,068.00	6,989.97	5,877.23	41.88	80.00	-54.87	-801.81	3,603.38	3,647.00	3,574.00	73.01	48.447		
8,534.44	8,068.00	6,989.97	5,877.23	41.88	80.00	-54.87	-801.81	3,603.38	3,647.00	3,574.00	73.01	48.447		
8,600.00	8,068.00	6,989.97	5,877.23	42.64	80.80	-54.86	-802.86	3,603.38	3,647.00	3,574.00	73.01	48.447		
8,700.00	8,068.00	6,989.97	5,877.23	43.82	82.00	-54.85	-803.91	3,603.38	3,647.00	3,574.00	73.01	48.447		

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



# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
8,800.00	8,068.00	9,812.39	7,807.00	45.04	98.74	-85.78	-1,809.04	4,340.36	3,546.56	3,452.42	94.14	37.671		
8,900.00	8,067.99	9,912.39	7,806.99	46.30	99.22	-85.78	-1,909.04	4,340.96	3,546.58	3,450.00	96.57	36.725		
9,000.00	8,067.99	10,012.39	7,806.99	47.59	99.72	-85.78	-2,009.03	4,341.57	3,546.59	3,447.52	99.07	35.800		
9,100.00	8,067.99	10,112.39	7,806.99	48.91	100.23	-85.78	-2,109.03	4,342.18	3,546.60	3,444.98	101.62	34.900		
9,200.00	8,067.99	10,212.38	7,806.99	50.26	100.77	-85.78	-2,209.02	4,342.79	3,546.62	3,442.39	104.23	34.026		
9,300.00	8,067.99	10,312.38	7,806.99	51.63	101.33	-85.78	-2,309.02	4,343.39	3,546.63	3,439.73	106.90	33.178		
9,400.00	8,067.99	10,412.38	7,806.99	53.03	101.91	-85.78	-2,409.01	4,344.00	3,546.65	3,437.04	109.61	32.356		
9,500.00	8,067.98	10,512.37	7,806.99	54.44	102.51	-85.78	-2,509.01	4,344.61	3,546.66	3,434.29	112.37	31.562		
9,600.00	8,067.98	10,612.37	7,806.98	55.88	103.14	-85.78	-2,609.00	4,345.22	3,546.68	3,431.50	115.17	30.794		
9,700.00	8,067.98	10,712.37	7,806.98	57.34	103.78	-85.78	-2,709.00	4,345.83	3,546.69	3,428.68	118.01	30.053		
9,800.00	8,067.98	10,812.37	7,806.98	58.81	104.45	-85.78	-2,808.99	4,346.43	3,546.70	3,425.81	120.89	29.338		
9,900.00	8,067.98	10,912.36	7,806.98	60.31	105.14	-85.78	-2,908.99	4,347.04	3,546.72	3,422.92	123.80	28.648		
10,000.00	8,067.98	11,012.36	7,806.98	61.81	105.85	-85.78	-3,008.98	4,347.65	3,546.73	3,419.99	126.74	27.983		
10,100.00	8,067.98	11,112.36	7,806.98	63.33	106.58	-85.78	-3,108.98	4,348.26	3,546.75	3,417.03	129.72	27.342		
10,200.00	8,067.97	11,212.35	7,806.98	64.86	107.33	-85.78	-3,208.97	4,348.87	3,546.76	3,414.04	132.72	26.725		
10,300.00	8,067.97	11,312.35	7,806.97	66.41	108.11	-85.78	-3,308.97	4,349.48	3,546.77	3,411.03	135.74	26.129		
10,400.00	8,067.97	11,412.35	7,806.97	67.96	108.90	-85.78	-3,408.96	4,350.08	3,546.79	3,408.00	138.79	25.555		
10,500.00	8,067.97	11,512.34	7,806.97	69.53	109.72	-85.78	-3,508.96	4,350.69	3,546.80	3,404.94	141.86	25.002		
10,600.00	8,067.97	11,612.34	7,806.97	71.10	110.56	-85.78	-3,608.95	4,351.30	3,546.82	3,401.86	144.95	24.468		
10,700.00	8,067.97	11,712.34	7,806.97	72.69	111.42	-85.78	-3,708.95	4,351.91	3,546.83	3,398.76	148.07	23.954		
10,800.00	8,067.97	11,812.34	7,806.97	74.28	112.30	-85.78	-3,808.94	4,352.52	3,546.84	3,395.65	151.20	23.458		
10,900.00	8,067.97	11,912.33	7,806.97	75.88	113.20	-85.78	-3,908.94	4,353.13	3,546.86	3,392.51	154.35	22.980		
11,000.00	8,067.97	12,012.33	7,806.97	77.49	114.12	-85.78	-4,008.93	4,353.74	3,546.87	3,389.36	157.51	22.518		
11,100.00	8,067.97	12,112.33	7,806.97	79.10	115.06	-85.78	-4,108.93	4,354.35	3,546.89	3,386.19	160.69	22.072		
11,200.00	8,067.96	12,212.32	7,806.97	80.73	116.02	-85.78	-4,208.92	4,354.96	3,546.90	3,383.01	163.89	21.642		
11,300.00	8,067.96	12,312.32	7,806.97	82.35	117.00	-85.78	-4,308.92	4,355.57	3,546.91	3,379.82	167.10	21.227		
11,400.00	8,067.96	12,412.32	7,806.96	83.99	118.01	-85.78	-4,408.92	4,356.18	3,546.93	3,376.61	170.32	20.825		
11,500.00	8,067.96	12,512.32	7,806.96	85.63	119.03	-85.78	-4,508.91	4,356.79	3,546.94	3,373.39	173.55	20.437		
11,600.00	8,067.96	12,612.31	7,806.96	87.27	120.06	-85.78	-4,608.91	4,357.40	3,546.96	3,370.16	176.80	20.062		
11,700.00	8,067.96	12,712.31	7,806.96	88.92	121.12	-85.78	-4,708.90	4,358.01	3,546.97	3,366.92	180.06	19.699		
11,800.00	8,067.96	12,812.31	7,806.96	90.58	122.20	-85.78	-4,808.90	4,358.62	3,546.98	3,363.66	183.32	19.348		
11,900.00	8,067.96	12,912.30	7,806.96	92.23	123.29	-85.78	-4,908.89	4,359.22	3,547.00	3,360.40	186.60	19.009		
12,000.00	8,067.96	13,012.30	7,806.96	93.90	124.40	-85.78	-5,008.89	4,359.84	3,547.01	3,357.13	189.89	18.680		
12,100.00	8,067.96	13,112.30	7,806.96	95.56	125.53	-85.78	-5,108.88	4,360.45	3,547.03	3,353.85	193.18	18.361		
12,200.00	8,067.96	13,212.29	7,806.96	97.23	126.67	-85.78	-5,208.88	4,361.06	3,547.04	3,350.56	196.48	18.053		
12,300.00	8,067.96	13,312.29	7,806.96	98.91	127.84	-85.78	-5,308.87	4,361.67	3,547.05	3,347.26	199.80	17.753		
12,400.00	8,067.96	13,412.29	7,806.96	100.59	129.01	-85.78	-5,408.87	4,362.28	3,547.07	3,343.95	203.11	17.463		
12,500.00	8,067.96	13,512.29	7,806.96	102.27	130.20	-85.78	-5,508.86	4,362.89	3,547.08	3,340.64	206.44	17.182		
12,600.00	8,067.96	13,612.28	7,806.96	103.95	131.41	-85.78	-5,608.86	4,363.50	3,547.10	3,337.32	209.77	16.909		
12,700.00	8,067.96	13,712.28	7,806.96	105.64	132.63	-85.78	-5,708.85	4,364.11	3,547.11	3,334.00	213.11	16.644		
12,800.00	8,067.96	13,812.28	7,806.96	107.33	133.87	-85.78	-5,808.85	4,364.72	3,547.12	3,330.66	216.46	16.387		
12,900.00	8,067.96	13,912.27	7,806.96	109.02	135.12	-85.78	-5,908.84	4,365.33	3,547.14	3,327.33	219.81	16.137		
13,000.00	8,067.96	14,012.27	7,806.96	110.71	136.38	-85.78	-6,008.84	4,365.94	3,547.15	3,323.98	223.17	15.894		
13,100.00	8,067.96	14,112.27	7,806.96	112.41	137.66	-85.78	-6,108.83	4,366.55	3,547.17	3,320.63	226.53	15.658		
13,200.00	8,067.96	14,212.27	7,806.96	114.11	138.95	-85.78	-6,208.83	4,367.16	3,547.18	3,317.28	229.90	15.429		
13,300.00	8,067.96	14,312.26	7,806.96	115.81	140.25	-85.78	-6,308.82	4,367.77	3,547.19	3,313.92	233.28	15.206		
13,400.00	8,067.96	14,412.26	7,806.96	117.52	141.57	-85.78	-6,408.82	4,368.38	3,547.21	3,310.55	236.65	14.989		
13,500.00	8,067.96	14,512.26	7,806.96	119.22	142.89	-85.78	-6,508.81	4,369.00	3,547.22	3,307.19	240.04	14.778		
13,600.00	8,067.96	14,612.25	7,806.96	120.93	144.23	-85.78	-6,608.81	4,369.61	3,547.24	3,303.81	243.42	14.572		
13,700.00	8,067.96	14,712.25	7,806.96	122.64	145.58	-85.78	-6,708.80	4,370.22	3,547.25	3,300.43	246.82	14.372		
13,800.00	8,067.96	14,812.25	7,806.96	124.35	146.94	-85.78	-6,808.80	4,370.83	3,547.26	3,297.05	250.21	14.177		
13,900.00	8,067.96	14,912.24	7,806.96	126.06	148.31	-85.78	-6,908.79	4,371.44	3,547.28	3,293.67	253.61	13.987		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,000.00	8,067.96	15,012.24	7,806.96	127.78	149.69	-85.78	-7,008.79	4,372.05	3,547.29	3,290.28	257.01	13.802		
14,100.00	8,067.96	15,112.24	7,806.96	129.50	151.08	-85.78	-7,108.79	4,372.67	3,547.31	3,286.88	260.42	13.621		
14,200.00	8,067.96	15,212.24	7,806.96	131.21	152.48	-85.78	-7,208.78	4,373.28	3,547.32	3,283.49	263.83	13.445		
14,300.00	8,067.96	15,312.23	7,806.96	132.93	153.89	-85.78	-7,308.78	4,373.89	3,547.33	3,280.09	267.25	13.274		
14,400.00	8,067.96	15,412.23	7,806.96	134.65	155.31	-85.78	-7,408.77	4,374.50	3,547.35	3,276.69	270.66	13.106		
14,500.00	8,067.96	15,512.23	7,806.96	136.38	156.73	-85.78	-7,508.77	4,375.11	3,547.36	3,273.28	274.08	12.943		
14,600.00	8,067.96	15,612.22	7,806.96	138.10	158.17	-85.78	-7,608.76	4,375.73	3,547.38	3,269.87	277.51	12.783		
14,700.00	8,067.96	15,712.22	7,806.96	139.82	159.61	-85.78	-7,708.76	4,376.34	3,547.39	3,266.46	280.93	12.627		
14,800.00	8,067.96	15,812.22	7,806.96	141.55	161.06	-85.78	-7,808.75	4,376.95	3,547.40	3,263.04	284.36	12.475		
14,900.00	8,067.96	15,912.22	7,806.96	143.28	162.52	-85.78	-7,908.75	4,377.56	3,547.42	3,259.63	287.79	12.326		
15,000.00	8,067.96	16,012.21	7,806.96	145.00	163.99	-85.78	-8,008.74	4,378.18	3,547.43	3,256.21	291.22	12.181		
15,100.00	8,067.96	16,112.21	7,806.96	146.73	165.46	-85.78	-8,108.74	4,378.79	3,547.44	3,252.78	294.66	12.039		
15,200.00	8,067.96	16,212.21	7,806.96	148.46	166.94	-85.78	-8,208.73	4,379.40	3,547.46	3,249.36	298.10	11.900		
15,300.00	8,067.96	16,312.20	7,806.96	150.19	168.43	-85.78	-8,308.73	4,380.01	3,547.47	3,245.93	301.54	11.764		
15,400.00	8,067.96	16,412.20	7,806.97	151.93	169.92	-85.78	-8,408.72	4,380.63	3,547.49	3,242.50	304.98	11.632		
15,500.00	8,067.96	16,512.20	7,806.97	153.66	171.42	-85.78	-8,508.72	4,381.24	3,547.50	3,239.07	308.43	11.502		
15,600.00	8,067.96	16,612.19	7,806.97	155.39	172.93	-85.78	-8,608.71	4,381.85	3,547.51	3,235.64	311.88	11.375		
15,700.00	8,067.97	16,712.19	7,806.97	157.13	174.44	-85.78	-8,708.71	4,382.47	3,547.53	3,232.20	315.33	11.250		
15,800.00	8,067.97	16,812.19	7,806.97	158.86	175.96	-85.78	-8,808.70	4,383.08	3,547.54	3,228.76	318.78	11.129		
15,900.00	8,067.97	16,912.19	7,806.97	160.60	177.48	-85.78	-8,908.70	4,383.69	3,547.56	3,225.32	322.23	11.009		
16,000.00	8,067.97	17,012.18	7,806.97	162.34	179.01	-85.78	-9,008.69	4,384.31	3,547.57	3,221.88	325.69	10.893		
16,100.00	8,067.97	17,112.18	7,806.97	164.08	180.55	-85.78	-9,108.69	4,384.92	3,547.58	3,218.44	329.14	10.778		
16,200.00	8,067.97	17,212.18	7,806.97	165.81	182.09	-85.78	-9,208.68	4,385.53	3,547.60	3,215.00	332.60	10.666		
16,300.00	8,067.97	17,312.17	7,806.97	167.55	183.63	-85.78	-9,308.68	4,386.15	3,547.61	3,211.55	336.06	10.556		
16,400.00	8,067.97	17,412.17	7,806.97	169.29	185.18	-85.78	-9,408.67	4,386.76	3,547.62	3,208.10	339.52	10.449		
16,500.00	8,067.97	17,512.17	7,806.98	171.04	186.73	-85.78	-9,508.67	4,387.38	3,547.64	3,204.65	342.99	10.343		
16,600.00	8,067.98	17,612.16	7,806.98	172.78	188.29	-85.78	-9,608.66	4,387.99	3,547.65	3,201.20	346.45	10.240		
16,700.00	8,067.98	17,712.16	7,806.98	174.52	189.86	-85.78	-9,708.66	4,388.60	3,547.67	3,197.75	349.92	10.139		
16,800.00	8,067.98	17,812.16	7,806.98	176.26	191.42	-85.78	-9,808.65	4,389.22	3,547.68	3,194.29	353.39	10.039		
16,900.00	8,067.98	17,912.16	7,806.98	178.01	193.00	-85.78	-9,908.65	4,389.83	3,547.69	3,190.84	356.86	9.942		
17,000.00	8,067.98	18,012.15	7,806.98	179.75	194.57	-85.78	-10,008.65	4,390.45	3,547.71	3,187.38	360.33	9.846		
17,100.00	8,067.98	18,112.15	7,806.98	181.49	196.15	-85.78	-10,108.64	4,391.06	3,547.72	3,183.92	363.80	9.752		
17,200.00	8,067.98	18,212.15	7,806.98	183.24	197.74	-85.78	-10,208.64	4,391.68	3,547.74	3,180.46	367.27	9.660		
17,300.00	8,067.99	18,312.14	7,806.99	184.99	199.32	-85.78	-10,308.63	4,392.29	3,547.75	3,177.00	370.75	9.569		
17,400.00	8,067.99	18,412.14	7,806.99	186.73	200.91	-85.78	-10,408.63	4,392.90	3,547.76	3,173.54	374.22	9.480		
17,500.00	8,067.99	18,512.14	7,806.99	188.48	202.51	-85.78	-10,508.62	4,393.52	3,547.78	3,170.08	377.70	9.393		
17,600.00	8,067.99	18,612.14	7,806.99	190.23	204.11	-85.78	-10,608.62	4,394.13	3,547.79	3,166.61	381.18	9.307		
17,700.00	8,067.99	18,712.13	7,806.99	191.97	205.71	-85.78	-10,708.61	4,394.75	3,547.80	3,163.15	384.66	9.223		
17,800.00	8,067.99	18,812.13	7,806.99	193.72	207.31	-85.78	-10,808.61	4,395.36	3,547.82	3,159.68	388.14	9.141		
17,900.00	8,068.00	18,912.13	7,806.99	195.47	208.92	-85.78	-10,908.60	4,395.98	3,547.83	3,156.21	391.62	9.059		
18,000.00	8,068.00	19,012.12	7,807.00	197.22	210.53	-85.78	-11,008.60	4,396.59	3,547.85	3,152.75	395.10	8.980		
18,100.00	8,068.00	19,112.12	7,807.00	198.97	212.15	-85.78	-11,108.59	4,397.21	3,547.86	3,149.28	398.58	8.901		
18,184.63	8,068.00	19,203.25	7,807.00	200.45	213.62	-85.78	-11,193.22	4,397.73	3,547.87	3,146.23	401.64	8.833 SF		
18,185.16	8,068.00	19,202.72	7,807.00	200.47	213.61	-85.78	-11,193.75	4,397.73	3,547.87	3,146.23	401.64	8.833		

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	90.32	-1.30	233.93	233.93					
100.00	100.00	100.00	100.00	0.13	0.13	90.32	-1.30	233.93	233.93	233.67	0.27	870.119	CC, ES	
200.00	200.00	192.57	192.56	0.49	0.46	90.40	-1.62	235.39	235.52	234.55	0.96	245.076		
300.00	300.00	284.95	284.83	0.85	0.80	90.62	-2.59	239.76	240.25	238.60	1.65	145.206		
400.00	400.00	376.95	376.52	1.21	1.14	90.97	-4.18	247.00	248.14	245.80	2.35	105.695		
500.00	500.00	468.38	467.36	1.57	1.50	91.42	-6.38	257.03	259.17	256.13	3.04	85.285		
600.00	600.00	559.06	557.10	1.93	1.88	91.95	-9.19	269.78	273.32	269.59	3.73	73.347		
700.00	700.00	648.82	645.47	2.29	2.28	92.52	-12.56	285.12	290.56	286.15	4.41	65.903		
800.00	800.00	737.50	732.25	2.64	2.70	93.11	-16.48	302.92	310.84	305.76	5.09	61.129		
900.00	900.00	824.96	817.25	3.00	3.15	93.70	-20.90	323.04	334.13	328.37	5.75	58.071		
1,000.00	1,000.00	911.06	900.27	3.36	3.62	94.27	-25.80	345.32	360.35	353.94	6.41	56.181		
1,100.00	1,100.00	995.68	981.16	3.72	4.12	94.82	-31.13	369.57	389.46	382.40	7.06	55.162		
1,200.00	1,200.00	1,078.72	1,059.79	4.08	4.65	95.32	-36.86	395.63	421.36	413.66	7.70	54.721		
1,300.00	1,299.98	1,160.48	1,136.43	4.42	5.22	-44.99	-42.98	423.46	454.83	446.52	8.31	54.711		
1,400.00	1,399.84	1,241.36	1,211.40	4.75	5.81	-44.44	-49.50	453.07	488.64	479.74	8.91	54.859		
1,500.00	1,499.45	1,321.32	1,284.66	5.09	6.44	-44.11	-56.38	484.37	522.74	513.23	9.50	55.000		
1,600.00	1,598.70	1,400.37	1,356.17	5.44	7.09	-43.95	-63.61	517.26	557.09	546.98	10.11	55.118		
1,700.00	1,697.47	1,478.49	1,425.91	5.81	7.79	-43.93	-71.17	551.64	591.67	580.94	10.72	55.186		
1,800.00	1,795.62	1,555.69	1,493.85	6.19	8.52	-44.01	-79.04	587.43	626.47	615.12	11.35	55.197		
1,846.33	1,840.86	1,591.14	1,524.71	6.38	8.87	-44.09	-82.79	604.47	642.68	631.04	11.64	55.195		
1,900.00	1,893.17	1,631.88	1,559.91	6.60	9.28	-44.44	-87.20	624.50	661.85	649.85	11.99	55.178		
2,000.00	1,990.64	1,706.64	1,623.73	7.02	10.07	-45.04	-95.56	662.52	699.49	686.84	12.65	55.279		
2,100.00	2,088.10	1,779.86	1,685.23	7.46	10.88	-45.54	-104.09	701.33	739.56	726.24	13.32	55.535		
2,200.00	2,185.57	1,851.49	1,744.39	7.91	11.72	-45.97	-112.76	740.77	781.95	767.97	13.98	55.934		
2,300.00	2,283.03	1,921.49	1,801.22	8.37	12.57	-46.33	-121.55	780.69	826.58	811.94	14.64	56.465		
2,400.00	2,380.50	1,989.85	1,855.73	8.84	13.44	-46.62	-130.40	820.97	873.34	858.05	15.29	57.110		
2,500.00	2,477.97	2,056.54	1,907.95	9.32	14.32	-46.87	-139.31	861.49	922.16	906.22	15.94	57.849		
2,600.00	2,575.43	2,121.56	1,957.91	9.80	15.22	-47.06	-148.25	902.12	972.94	956.36	16.58	58.687		
2,700.00	2,672.90	2,184.89	2,005.66	10.28	16.12	-47.22	-157.18	942.75	1,025.61	1,008.41	17.21	59.607		
2,800.00	2,770.36	2,246.55	2,051.26	10.77	17.03	-47.35	-166.10	983.29	1,080.09	1,062.27	17.82	60.598		
2,900.00	2,867.83	2,313.35	2,099.70	11.26	18.04	-47.46	-175.98	1,028.21	1,136.23	1,117.71	18.52	61.357		
3,000.00	2,965.29	2,404.21	2,159.22	11.76	19.44	-47.57	-188.23	1,083.92	1,192.80	1,173.31	19.49	61.208		
3,100.00	3,062.76	2,478.23	2,218.75	12.26	20.59	-47.68	-200.48	1,139.63	1,249.36	1,229.01	20.36	61.376		
3,200.00	3,160.23	2,560.67	2,278.27	12.76	21.87	-47.78	-212.73	1,195.34	1,305.93	1,284.65	21.28	61.356		
3,300.00	3,257.69	2,643.12	2,337.79	13.27	23.16	-47.86	-224.98	1,251.05	1,362.51	1,340.29	22.22	61.322		
3,400.00	3,355.16	2,725.56	2,397.32	13.77	24.45	-47.95	-237.24	1,306.76	1,419.08	1,395.92	23.16	61.278		
3,500.00	3,452.62	2,808.00	2,456.84	14.28	25.75	-48.02	-249.49	1,362.47	1,475.66	1,451.55	24.10	61.226		
3,600.00	3,550.09	2,909.56	2,516.36	14.79	27.35	-48.09	-261.74	1,418.18	1,532.23	1,507.06	25.18	60.857		
3,700.00	3,647.55	2,972.88	2,575.88	15.30	28.35	-48.16	-273.99	1,473.89	1,588.81	1,562.81	26.00	61.105		
3,800.00	3,745.02	3,055.33	2,635.41	15.81	29.66	-48.22	-286.24	1,529.60	1,645.39	1,618.44	26.96	61.040		
3,900.00	3,842.49	3,137.77	2,694.93	16.32	30.97	-48.27	-298.49	1,585.30	1,701.98	1,674.06	27.91	60.972		
4,000.00	3,939.95	3,220.21	2,754.45	16.84	32.27	-48.33	-310.74	1,641.01	1,758.56	1,729.68	28.87	60.904		
4,100.00	4,037.42	3,302.65	2,813.97	17.35	33.58	-48.38	-323.00	1,696.72	1,815.14	1,785.31	29.84	60.835		
4,200.00	4,134.88	3,385.09	2,873.50	17.87	34.90	-48.42	-335.25	1,752.43	1,871.73	1,840.93	30.80	60.766		
4,300.00	4,232.35	3,467.53	2,933.02	18.39	36.21	-48.47	-347.50	1,808.14	1,928.31	1,896.54	31.77	60.697		
4,400.00	4,329.81	3,549.98	2,992.54	18.90	37.52	-48.51	-359.75	1,863.85	1,984.90	1,952.16	32.74	60.629		
4,500.00	4,427.28	3,632.42	3,052.07	19.42	38.84	-48.55	-372.00	1,919.56	2,041.49	2,007.78	33.71	60.561		
4,600.00	4,524.75	3,714.86	3,111.59	19.94	40.16	-48.58	-384.25	1,975.27	2,098.07	2,063.39	34.68	60.494		
4,700.00	4,622.21	3,802.70	3,171.11	20.46	41.56	-48.62	-396.51	2,030.98	2,154.66	2,118.97	35.69	60.366		
4,800.00	4,719.68	3,879.74	3,230.63	20.98	42.79	-48.65	-408.76	2,086.69	2,211.25	2,174.62	36.63	60.364		
4,900.00	4,817.14	3,962.19	3,290.16	21.50	44.11	-48.68	-421.01	2,142.40	2,267.84	2,230.23	37.61	60.300		
5,000.00	4,914.61	4,044.63	3,349.68	22.02	45.43	-48.71	-433.26	2,198.11	2,324.43	2,285.84	38.59	60.238		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	5,012.07	4,127.07	3,409.20	22.54	46.75	-48.74	-445.51	2,253.82	2,381.02	2,341.45	39.57	60.177		
5,200.00	5,109.54	4,209.51	3,468.72	23.06	48.07	-48.77	-457.76	2,309.53	2,437.61	2,397.06	40.55	60.117		
5,300.00	5,207.01	4,308.05	3,528.25	23.59	49.65	-48.80	-470.01	2,365.24	2,494.20	2,452.56	41.64	59.897		
5,400.00	5,304.47	4,374.39	3,587.77	24.11	50.71	-48.82	-482.27	2,420.95	2,550.79	2,508.28	42.51	60.001		
5,500.00	5,401.94	4,456.84	3,647.29	24.63	52.03	-48.84	-494.52	2,476.66	2,607.38	2,563.89	43.50	59.944		
5,600.00	5,499.40	4,539.28	3,706.82	25.16	53.35	-48.87	-506.77	2,532.37	2,663.97	2,619.49	44.48	59.889		
5,700.00	5,596.87	4,621.72	3,766.34	25.68	54.67	-48.89	-519.02	2,588.08	2,720.57	2,675.10	45.47	59.835		
5,800.00	5,694.33	4,704.16	3,825.86	26.20	56.00	-48.91	-531.27	2,643.79	2,777.16	2,730.70	46.45	59.783		
5,900.00	5,791.80	4,786.60	3,885.38	26.73	57.32	-48.93	-543.52	2,699.50	2,833.75	2,786.31	47.44	59.731		
6,000.00	5,889.27	4,869.04	3,944.91	27.25	58.64	-48.95	-555.78	2,755.21	2,890.34	2,841.91	48.43	59.680		
6,100.00	5,986.73	4,951.49	4,004.43	27.78	59.97	-48.97	-568.03	2,810.92	2,946.93	2,897.52	49.42	59.631		
6,200.00	6,084.20	5,033.93	4,063.95	28.30	61.29	-48.99	-580.28	2,866.63	3,003.53	2,953.12	50.41	59.582		
6,300.00	6,181.66	5,116.37	4,123.47	28.82	62.61	-49.00	-592.53	2,922.34	3,060.12	3,008.72	51.40	59.534		
6,400.00	6,279.13	5,201.19	4,183.00	29.35	63.98	-49.02	-604.78	2,978.05	3,116.71	3,064.31	52.41	59.469		
6,500.00	6,376.59	5,281.25	4,242.52	29.88	65.26	-49.03	-617.03	3,033.76	3,173.31	3,119.92	53.39	59.442		
6,600.00	6,474.06	5,363.70	4,302.04	30.40	66.59	-49.05	-629.28	3,089.47	3,229.90	3,175.52	54.38	59.397		
6,700.00	6,571.53	5,446.14	4,361.57	30.93	67.91	-49.07	-641.54	3,145.18	3,286.50	3,231.12	55.37	59.353		
6,800.00	6,668.99	5,528.58	4,421.09	31.45	69.24	-49.08	-653.79	3,200.89	3,343.09	3,286.72	56.37	59.310		
6,887.36	6,754.14	5,600.60	4,473.09	31.91	70.39	-49.09	-664.49	3,249.56	3,392.53	3,335.29	57.24	59.273		
6,900.00	6,766.46	5,611.01	4,480.60	31.98	70.56	-49.22	-666.04	3,256.59	3,399.70	3,342.34	57.36	59.268		
7,000.00	6,864.39	5,707.37	4,539.53	32.48	72.11	-50.28	-678.17	3,311.75	3,457.46	3,399.03	58.42	59.181		
7,100.00	6,962.96	5,772.87	4,597.46	32.94	73.16	-51.36	-690.09	3,365.97	3,517.02	3,457.81	59.21	59.396		
7,200.00	7,062.06	5,851.62	4,654.33	33.36	74.43	-52.46	-701.80	3,419.19	3,578.33	3,518.29	60.04	59.595		
7,300.00	7,161.57	5,928.80	4,710.05	33.74	75.67	-53.58	-713.26	3,471.34	3,641.32	3,580.51	60.81	59.880		
7,400.00	7,261.36	6,004.31	4,764.56	34.08	76.88	-54.73	-724.48	3,522.36	3,705.94	3,644.42	61.51	60.245		
7,500.00	7,361.31	6,078.05	4,817.80	34.39	78.07	-55.91	-735.44	3,572.19	3,772.12	3,709.96	62.16	60.687		
7,533.69	7,395.00	6,102.48	4,835.44	34.48	78.46	84.83	-739.07	3,588.70	3,794.76	3,732.40	62.36	60.855		
7,600.00	7,461.31	6,150.35	4,870.01	34.65	79.23	85.04	-746.19	3,621.06	3,839.50	3,776.76	62.74	61.199		
7,633.69	7,495.00	6,174.68	4,887.57	34.73	79.62	85.14	-749.80	3,637.49	3,862.24	3,799.31	62.93	61.371		
7,650.00	7,511.31	6,197.42	4,904.93	34.78	80.06	85.24	-753.41	3,653.26	3,885.11	3,821.02	63.12	61.543		
7,700.00	7,561.16	6,247.31	4,954.82	34.94	80.54	85.34	-757.02	3,669.03	3,907.98	3,843.90	63.31	61.715		
7,750.00	7,610.51	6,297.20	5,004.71	35.10	81.02	85.44	-760.63	3,684.80	3,930.86	3,866.78	63.50	61.887		
7,800.00	7,659.86	6,347.09	5,054.60	35.26	81.50	85.54	-764.24	3,699.57	3,953.74	3,889.66	63.69	62.059		
7,850.00	7,706.21	6,396.98	5,104.49	35.42	81.98	85.64	-767.85	3,714.34	3,976.62	3,912.54	63.88	62.231		
7,900.00	7,751.82	6,446.87	5,154.38	35.58	82.46	85.74	-771.46	3,729.13	3,999.50	3,935.43	64.07	62.403		
7,950.00	7,795.49	6,496.76	5,204.27	35.74	82.94	85.84	-775.07	3,743.92	4,022.38	3,958.32	64.26	62.575		
8,000.00	7,836.86	6,546.65	5,254.16	35.90	83.42	85.94	-778.68	3,758.71	4,045.26	3,981.20	64.45	62.747		
8,050.00	7,875.64	6,596.54	5,304.05	36.06	83.90	86.04	-782.29	3,773.50	4,068.14	4,004.08	64.64	62.919		
8,100.00	7,911.52	6,646.43	5,353.94	36.22	84.38	86.14	-785.90	3,788.29	4,091.02	4,026.96	64.83	63.091		
8,150.00	7,944.22	6,696.32	5,403.83	36.38	84.86	86.24	-789.51	3,803.08	4,113.90	4,049.84	65.02	63.263		
8,200.00	7,973.51	6,746.21	5,453.72	36.54	85.34	86.34	-793.12	3,817.87	4,136.78	4,072.72	65.21	63.435		
8,250.00	7,999.16	6,796.10	5,503.61	36.70	85.82	86.44	-796.73	3,832.66	4,159.66	4,095.60	65.40	63.607		
8,300.00	8,020.98	6,846.00	5,553.50	36.86	86.30	86.54	-800.34	3,847.45	4,182.54	4,118.48	65.59	63.779		
8,350.00	8,038.79	6,895.89	5,603.39	37.02	86.78	86.64	-803.95	3,862.24	4,205.42	4,141.36	65.78	63.951		
8,400.00	8,052.46	6,945.78	5,653.28	37.18	87.26	86.74	-807.56	3,877.03	4,228.30	4,164.24	65.97	64.123		
8,450.00	8,061.89	6,995.67	5,703.17	37.34	87.74	86.84	-811.17	3,891.82	4,251.18	4,187.12	66.16	64.295		
8,500.00	8,067.01	7,045.56	5,753.06	37.50	88.22	86.94	-814.78	3,906.61	4,274.06	4,210.00	66.35	64.467		
8,533.77	8,068.00	7,095.45	5,802.95	37.66	88.70	87.04	-818.39	3,921.40	4,296.94	4,232.88	66.54	64.639		
8,600.00	8,068.00	7,145.34	5,852.84	37.82	89.18	87.14	-822.00	3,936.19	4,319.82	4,255.76	66.73	64.811		
8,700.00	8,068.00	7,195.23	5,902.73	37.98	89.66	87.24	-825.61	3,950.98	4,342.70	4,278.64	66.92	64.983		
8,800.00	8,068.00	7,245.12	5,952.62	38.14	90.14	87.34	-829.22	3,965.77	4,365.58	4,301.52	67.11	65.155		
8,900.00	8,067.99	7,295.01	6,002.51	38.30	90.62	87.44	-832.83	3,980.56	4,388.46	4,324.40	67.30	65.327		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,000.00	8,067.99	10,170.44	7,806.98	47.59	106.93	-86.14	-1,988.81	4,673.61	3,877.97	3,778.06	99.91	38.813		
9,100.00	8,067.99	10,270.44	7,806.97	48.91	107.41	-86.14	-2,088.81	4,674.69	3,878.45	3,776.00	102.46	37.854		
9,200.00	8,067.99	10,370.44	7,806.97	50.26	107.91	-86.14	-2,188.80	4,675.77	3,878.94	3,773.88	105.06	36.922		
9,300.00	8,067.99	10,470.43	7,806.96	51.63	108.43	-86.14	-2,288.80	4,676.85	3,879.42	3,771.71	107.71	36.016		
9,400.00	8,067.99	10,570.43	7,806.96	53.03	108.97	-86.14	-2,388.79	4,677.92	3,879.90	3,769.49	110.42	35.139		
9,500.00	8,067.98	10,670.43	7,806.96	54.44	109.53	-86.14	-2,488.78	4,679.00	3,880.39	3,767.22	113.17	34.289		
9,600.00	8,067.98	10,770.43	7,806.95	55.88	110.11	-86.14	-2,588.78	4,680.08	3,880.87	3,764.91	115.96	33.468		
9,700.00	8,067.98	10,870.43	7,806.95	57.34	110.70	-86.14	-2,688.77	4,681.16	3,881.35	3,762.56	118.79	32.674		
9,800.00	8,067.98	10,970.43	7,806.94	58.81	111.32	-86.14	-2,788.76	4,682.23	3,881.83	3,760.18	121.66	31.908		
9,900.00	8,067.98	11,070.43	7,806.94	60.31	111.96	-86.14	-2,888.76	4,683.31	3,882.32	3,757.76	124.56	31.168		
10,000.00	8,067.98	11,170.43	7,806.94	61.81	112.62	-86.15	-2,988.75	4,684.39	3,882.80	3,755.31	127.49	30.455		
10,100.00	8,067.98	11,270.43	7,806.93	63.33	113.29	-86.15	-3,088.75	4,685.47	3,883.28	3,752.82	130.46	29.767		
10,200.00	8,067.97	11,370.43	7,806.93	64.86	113.99	-86.15	-3,188.74	4,686.54	3,883.76	3,750.31	133.45	29.103		
10,300.00	8,067.97	11,470.43	7,806.93	66.41	114.71	-86.15	-3,288.73	4,687.62	3,884.25	3,747.78	136.47	28.463		
10,400.00	8,067.97	11,570.43	7,806.92	67.96	115.45	-86.15	-3,388.73	4,688.70	3,884.73	3,745.22	139.51	27.846		
10,500.00	8,067.97	11,670.43	7,806.92	69.53	116.20	-86.15	-3,488.72	4,689.78	3,885.21	3,742.64	142.57	27.251		
10,600.00	8,067.97	11,770.43	7,806.92	71.10	116.98	-86.15	-3,588.71	4,690.85	3,885.69	3,740.03	145.66	26.676		
10,700.00	8,067.97	11,870.43	7,806.91	72.69	117.78	-86.15	-3,688.71	4,691.93	3,886.17	3,737.41	148.77	26.123		
10,800.00	8,067.97	11,970.43	7,806.91	74.28	118.60	-86.15	-3,788.70	4,693.01	3,886.65	3,734.76	151.89	25.588		
10,900.00	8,067.97	12,070.43	7,806.91	75.88	119.43	-86.15	-3,888.69	4,694.09	3,887.14	3,732.10	155.03	25.073		
11,000.00	8,067.97	12,170.43	7,806.91	77.49	120.29	-86.15	-3,988.69	4,695.16	3,887.62	3,729.42	158.19	24.575		
11,100.00	8,067.97	12,270.43	7,806.90	79.10	121.17	-86.15	-4,088.68	4,696.24	3,888.10	3,726.73	161.37	24.094		
11,200.00	8,067.96	12,370.43	7,806.90	80.73	122.06	-86.15	-4,188.68	4,697.32	3,888.58	3,724.02	164.56	23.630		
11,300.00	8,067.96	12,470.42	7,806.90	82.35	122.98	-86.15	-4,288.67	4,698.40	3,889.06	3,721.30	167.76	23.182		
11,400.00	8,067.96	12,570.42	7,806.90	83.99	123.91	-86.15	-4,388.66	4,699.47	3,889.54	3,718.56	170.98	22.748		
11,500.00	8,067.96	12,670.42	7,806.89	85.63	124.86	-86.15	-4,488.66	4,700.55	3,890.02	3,715.81	174.21	22.329		
11,600.00	8,067.96	12,770.42	7,806.89	87.27	125.84	-86.15	-4,588.65	4,701.63	3,890.50	3,713.05	177.45	21.924		
11,700.00	8,067.96	12,870.42	7,806.89	88.92	126.83	-86.15	-4,688.64	4,702.71	3,890.98	3,710.28	180.71	21.532		
11,800.00	8,067.96	12,970.42	7,806.89	90.58	127.83	-86.15	-4,788.64	4,703.78	3,891.46	3,707.50	183.97	21.153		
11,900.00	8,067.96	13,070.42	7,806.89	92.23	128.86	-86.15	-4,888.63	4,704.86	3,891.94	3,704.70	187.24	20.786		
12,000.00	8,067.96	13,170.42	7,806.88	93.90	129.90	-86.15	-4,988.63	4,705.94	3,892.43	3,701.90	190.52	20.430		
12,100.00	8,067.96	13,270.42	7,806.88	95.56	130.96	-86.15	-5,088.62	4,707.02	3,892.91	3,699.09	193.82	20.086		
12,200.00	8,067.96	13,370.42	7,806.88	97.23	132.04	-86.16	-5,188.61	4,708.09	3,893.39	3,696.27	197.12	19.752		
12,300.00	8,067.96	13,470.42	7,806.88	98.91	133.13	-86.16	-5,288.61	4,709.17	3,893.87	3,693.44	200.43	19.428		
12,400.00	8,067.96	13,570.42	7,806.88	100.59	134.24	-86.16	-5,388.60	4,710.25	3,894.35	3,690.60	203.74	19.114		
12,500.00	8,067.96	13,670.42	7,806.88	102.27	135.37	-86.16	-5,488.59	4,711.32	3,894.83	3,687.76	207.07	18.810		
12,600.00	8,067.96	13,770.42	7,806.88	103.95	136.51	-86.16	-5,588.59	4,712.40	3,895.31	3,684.91	210.40	18.514		
12,700.00	8,067.96	13,870.42	7,806.88	105.64	137.67	-86.16	-5,688.58	4,713.48	3,895.78	3,682.05	213.73	18.227		
12,800.00	8,067.96	13,970.42	7,806.88	107.33	138.84	-86.16	-5,788.58	4,714.56	3,896.26	3,679.19	217.08	17.949		
12,900.00	8,067.96	14,070.42	7,806.88	109.02	140.03	-86.16	-5,888.57	4,715.63	3,896.74	3,676.31	220.43	17.678		
13,000.00	8,067.96	14,170.42	7,806.88	110.71	141.23	-86.16	-5,988.56	4,716.71	3,897.22	3,673.44	223.79	17.415		
13,100.00	8,067.96	14,270.42	7,806.87	112.41	142.44	-86.16	-6,088.56	4,717.79	3,897.70	3,670.56	227.15	17.159		
13,200.00	8,067.96	14,370.42	7,806.87	114.11	143.67	-86.16	-6,188.55	4,718.87	3,898.18	3,667.67	230.51	16.911		
13,300.00	8,067.96	14,470.41	7,806.87	115.81	144.91	-86.16	-6,288.54	4,719.94	3,898.66	3,664.77	233.89	16.669		
13,400.00	8,067.96	14,570.41	7,806.87	117.52	146.17	-86.16	-6,388.54	4,721.02	3,899.14	3,661.88	237.26	16.434		
13,500.00	8,067.96	14,670.41	7,806.87	119.22	147.44	-86.16	-6,488.53	4,722.10	3,899.62	3,658.97	240.65	16.205		
13,600.00	8,067.96	14,770.41	7,806.87	120.93	148.72	-86.16	-6,588.52	4,723.17	3,900.10	3,656.06	244.03	15.982		
13,700.00	8,067.96	14,870.41	7,806.87	122.64	150.01	-86.16	-6,688.52	4,724.25	3,900.58	3,653.15	247.42	15.765		
13,800.00	8,067.96	14,970.41	7,806.88	124.35	151.31	-86.16	-6,788.51	4,725.33	3,901.05	3,650.24	250.82	15.553		
13,900.00	8,067.96	15,070.41	7,806.88	126.06	152.63	-86.16	-6,888.51	4,726.41	3,901.53	3,647.32	254.22	15.347		
14,000.00	8,067.96	15,170.41	7,806.88	127.78	153.95	-86.16	-6,988.50	4,727.48	3,902.01	3,644.39	257.62	15.146		
14,100.00	8,067.96	15,270.41	7,806.88	129.50	155.29	-86.16	-7,088.49	4,728.56	3,902.49	3,641.46	261.03	14.951		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	8,067.96	15,370.41	7,806.88	131.21	156.64	-86.16	-7,188.49	4,729.64	3,902.97	3,638.53	264.44	14.760		
14,300.00	8,067.96	15,470.41	7,806.88	132.93	157.99	-86.16	-7,288.48	4,730.71	3,903.44	3,635.60	267.85	14.573		
14,400.00	8,067.96	15,570.41	7,806.88	134.65	159.36	-86.17	-7,388.47	4,731.79	3,903.92	3,632.66	271.27	14.392		
14,500.00	8,067.96	15,670.41	7,806.88	136.38	160.74	-86.17	-7,488.47	4,732.87	3,904.40	3,629.72	274.68	14.214		
14,600.00	8,067.96	15,770.41	7,806.88	138.10	162.13	-86.17	-7,588.46	4,733.95	3,904.88	3,626.77	278.11	14.041		
14,700.00	8,067.96	15,870.41	7,806.88	139.82	163.52	-86.17	-7,688.46	4,735.02	3,905.36	3,623.82	281.53	13.872		
14,800.00	8,067.96	15,970.41	7,806.88	141.55	164.93	-86.17	-7,788.45	4,736.10	3,905.83	3,620.87	284.96	13.707		
14,900.00	8,067.96	16,070.41	7,806.89	143.28	166.34	-86.17	-7,888.44	4,737.18	3,906.31	3,617.92	288.39	13.545		
15,000.00	8,067.96	16,170.41	7,806.89	145.00	167.76	-86.17	-7,988.44	4,738.25	3,906.79	3,614.96	291.83	13.387		
15,100.00	8,067.96	16,270.41	7,806.89	146.73	169.19	-86.17	-8,088.43	4,739.33	3,907.26	3,612.00	295.26	13.233		
15,200.00	8,067.96	16,370.41	7,806.89	148.46	170.63	-86.17	-8,188.42	4,740.41	3,907.74	3,609.04	298.70	13.082		
15,300.00	8,067.96	16,470.40	7,806.89	150.19	172.07	-86.17	-8,288.42	4,741.49	3,908.22	3,606.07	302.14	12.935		
15,400.00	8,067.96	16,570.40	7,806.90	151.93	173.52	-86.17	-8,388.41	4,742.56	3,908.70	3,603.11	305.59	12.791		
15,500.00	8,067.96	16,670.40	7,806.90	153.66	174.98	-86.17	-8,488.41	4,743.64	3,909.17	3,600.14	309.03	12.650		
15,600.00	8,067.96	16,770.40	7,806.90	155.39	176.45	-86.17	-8,588.40	4,744.72	3,909.65	3,597.17	312.48	12.512		
15,700.00	8,067.97	16,870.40	7,806.90	157.13	177.92	-86.17	-8,688.39	4,745.79	3,910.12	3,594.19	315.93	12.377		
15,800.00	8,067.97	16,970.40	7,806.91	158.86	179.40	-86.17	-8,788.39	4,746.87	3,910.60	3,591.22	319.38	12.244		
15,900.00	8,067.97	17,070.40	7,806.91	160.60	180.89	-86.17	-8,888.38	4,747.95	3,911.08	3,588.24	322.84	12.115		
16,000.00	8,067.97	17,170.40	7,806.91	162.34	182.38	-86.17	-8,988.37	4,749.02	3,911.55	3,585.26	326.29	11.988		
16,100.00	8,067.97	17,270.40	7,806.91	164.08	183.88	-86.17	-9,088.37	4,750.10	3,912.03	3,582.28	329.75	11.864		
16,200.00	8,067.97	17,370.40	7,806.92	165.81	185.39	-86.17	-9,188.36	4,751.18	3,912.51	3,579.30	333.21	11.742		
16,300.00	8,067.97	17,470.40	7,806.92	167.55	186.90	-86.17	-9,288.36	4,752.25	3,912.98	3,576.31	336.67	11.623		
16,400.00	8,067.97	17,570.40	7,806.92	169.29	188.41	-86.18	-9,388.35	4,753.33	3,913.46	3,573.32	340.13	11.506		
16,500.00	8,067.97	17,670.40	7,806.93	171.04	189.93	-86.18	-9,488.34	4,754.41	3,913.93	3,570.33	343.60	11.391		
16,600.00	8,067.98	17,770.40	7,806.93	172.78	191.46	-86.18	-9,588.34	4,755.49	3,914.41	3,567.34	347.06	11.279		
16,700.00	8,067.98	17,870.40	7,806.93	174.52	192.99	-86.18	-9,688.33	4,756.56	3,914.88	3,564.35	350.53	11.168		
16,800.00	8,067.98	17,970.40	7,806.94	176.26	194.53	-86.18	-9,788.32	4,757.64	3,915.36	3,561.36	354.00	11.060		
16,900.00	8,067.98	18,070.40	7,806.94	178.01	196.07	-86.18	-9,888.32	4,758.72	3,915.83	3,558.36	357.47	10.954		
17,000.00	8,067.98	18,170.40	7,806.94	179.75	197.62	-86.18	-9,988.31	4,759.79	3,916.31	3,555.37	360.94	10.850		
17,100.00	8,067.98	18,270.40	7,806.95	181.49	199.17	-86.18	-10,088.31	4,760.87	3,916.78	3,552.37	364.42	10.748		
17,200.00	8,067.98	18,370.40	7,806.95	183.24	200.72	-86.18	-10,188.30	4,761.95	3,917.26	3,549.37	367.89	10.648		
17,300.00	8,067.99	18,470.40	7,806.96	184.99	202.28	-86.18	-10,288.29	4,763.02	3,917.73	3,546.37	371.37	10.550		
17,400.00	8,067.99	18,570.39	7,806.96	186.73	203.85	-86.18	-10,388.29	4,764.10	3,918.21	3,543.37	374.84	10.453		
17,500.00	8,067.99	18,670.39	7,806.96	188.48	205.41	-86.18	-10,488.28	4,765.18	3,918.68	3,540.36	378.32	10.358		
17,600.00	8,067.99	18,770.39	7,806.97	190.23	206.99	-86.18	-10,588.27	4,766.25	3,919.16	3,537.36	381.80	10.265		
17,700.00	8,067.99	18,870.39	7,806.97	191.97	208.56	-86.18	-10,688.27	4,767.33	3,919.63	3,534.35	385.28	10.173		
17,800.00	8,067.99	18,970.39	7,806.98	193.72	210.14	-86.18	-10,788.26	4,768.41	3,920.11	3,531.34	388.76	10.084		
17,900.00	8,068.00	19,070.39	7,806.98	195.47	211.73	-86.18	-10,888.25	4,769.48	3,920.58	3,528.34	392.25	9.995		
18,000.00	8,068.00	19,170.39	7,806.99	197.22	213.31	-86.18	-10,988.25	4,770.56	3,921.06	3,525.33	395.73	9.908		
18,100.00	8,068.00	19,270.39	7,806.99	198.97	214.90	-86.18	-11,088.24	4,771.64	3,921.53	3,522.32	399.21	9.823		
18,184.63	8,068.00	19,355.02	7,807.00	200.45	216.25	-86.18	-11,172.87	4,772.55	3,921.93	3,519.77	402.16	9.752		
18,185.16	8,068.00	19,355.55	7,807.00	200.47	216.26	-86.18	-11,173.40	4,772.55	3,921.93	3,519.75	402.18	9.752 SF		



# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	90.32	-0.50	89.97	89.97					
100.00	100.00	100.00	100.00	0.13	0.13	90.32	-0.50	89.97	89.97	89.71	0.27	334.659		
200.00	200.00	200.00	200.00	0.49	0.49	90.32	-0.50	89.97	89.97	88.99	0.99	91.271		
300.00	300.00	300.00	300.00	0.85	0.85	90.32	-0.50	89.97	89.97	88.27	1.70	52.841		
400.00	400.00	400.00	400.00	1.21	1.21	90.32	-0.50	89.97	89.97	87.55	2.42	37.184		
500.00	500.00	500.00	500.00	1.57	1.57	90.32	-0.50	89.97	89.97	86.84	3.14	28.685		
600.00	600.00	600.00	600.00	1.93	1.93	90.32	-0.50	89.97	89.97	86.12	3.85	23.348		
700.00	700.00	700.00	700.00	2.29	2.29	90.32	-0.50	89.97	89.97	85.40	4.57	19.686		
800.00	800.00	800.00	800.00	2.64	2.64	90.32	-0.50	89.97	89.97	84.69	5.29	17.017		
900.00	900.00	900.00	900.00	3.00	3.00	90.32	-0.50	89.97	89.97	83.97	6.00	14.985 CC, ES		
1,000.00	1,000.00	997.36	997.34	3.36	3.34	90.86	-1.38	91.38	91.43	84.73	6.70	13.652		
1,100.00	1,100.00	1,094.49	1,094.34	3.72	3.67	92.39	-3.99	95.58	95.83	88.45	7.38	12.992		
1,200.00	1,200.00	1,191.17	1,190.67	4.08	4.00	94.63	-8.31	102.53	103.29	95.24	8.05	12.830		
1,300.00	1,299.98	1,287.39	1,286.21	4.42	4.35	-44.34	-14.31	112.18	112.68	103.98	8.70	12.948		
1,400.00	1,399.84	1,383.26	1,380.98	4.75	4.71	-42.95	-21.98	124.51	122.72	113.38	9.34	13.144		
1,500.00	1,499.45	1,478.78	1,474.85	5.09	5.09	-42.19	-31.27	139.45	133.29	123.32	9.97	13.365		
1,600.00	1,598.70	1,573.92	1,567.72	5.44	5.49	-41.91	-42.17	156.98	144.34	133.73	10.61	13.602		
1,700.00	1,697.47	1,668.69	1,659.50	5.81	5.92	-42.01	-54.64	177.02	155.85	144.59	11.26	13.836		
1,800.00	1,795.62	1,763.07	1,750.07	6.19	6.39	-42.42	-68.64	199.54	167.80	155.87	11.93	14.064		
1,846.33	1,840.86	1,806.66	1,791.60	6.38	6.61	-42.68	-75.64	210.80	173.49	161.25	12.25	14.168		
1,900.00	1,893.17	1,858.92	1,841.18	6.60	6.89	-43.08	-84.36	224.82	180.39	167.73	12.65	14.256		
2,000.00	1,990.64	1,958.05	1,935.21	7.02	7.45	-43.73	-100.95	251.50	193.35	179.88	13.46	14.361		
2,100.00	2,088.10	2,057.19	2,029.23	7.46	8.02	-44.31	-117.54	278.17	206.33	192.03	14.29	14.435		
2,200.00	2,185.57	2,156.32	2,123.26	7.91	8.61	-44.82	-134.13	304.85	219.32	204.18	15.14	14.484		
2,300.00	2,283.03	2,255.46	2,217.28	8.37	9.21	-45.27	-150.72	331.53	232.34	216.33	16.01	14.515		
2,400.00	2,380.50	2,354.59	2,311.31	8.84	9.81	-45.67	-167.31	358.21	245.36	228.48	16.88	14.533		
2,500.00	2,477.97	2,453.73	2,405.33	9.32	10.43	-46.03	-183.90	384.89	258.40	240.62	17.77	14.539		
2,600.00	2,575.43	2,552.86	2,499.36	9.80	11.05	-46.36	-200.49	411.56	271.44	252.77	18.67	14.537		
2,700.00	2,672.90	2,651.99	2,593.38	10.28	11.68	-46.65	-217.08	438.24	284.50	264.92	19.58	14.529		
2,800.00	2,770.36	2,751.13	2,687.40	10.77	12.31	-46.92	-233.66	464.92	297.56	277.06	20.50	14.517		
2,900.00	2,867.83	2,850.26	2,781.43	11.26	12.95	-47.17	-250.25	491.60	310.62	289.20	21.42	14.501		
3,000.00	2,965.29	2,949.40	2,875.45	11.76	13.59	-47.40	-266.84	518.28	323.69	301.34	22.35	14.483		
3,100.00	3,062.76	3,048.53	2,969.48	12.26	14.23	-47.61	-283.43	544.95	336.77	313.48	23.29	14.463		
3,200.00	3,160.23	3,147.66	3,063.50	12.76	14.88	-47.81	-300.02	571.63	349.85	325.63	24.23	14.442		
3,300.00	3,257.69	3,246.80	3,157.53	13.27	15.52	-47.99	-316.61	598.31	362.93	337.76	25.17	14.420		
3,400.00	3,355.16	3,345.93	3,251.55	13.77	16.17	-48.15	-333.20	624.99	376.02	349.90	26.12	14.397		
3,500.00	3,452.62	3,445.07	3,345.58	14.28	16.82	-48.31	-349.79	651.67	389.11	362.04	27.07	14.374		
3,600.00	3,550.09	3,544.20	3,439.60	14.79	17.48	-48.46	-366.38	678.34	402.20	374.18	28.02	14.352		
3,700.00	3,647.55	3,643.33	3,533.63	15.30	18.13	-48.59	-382.97	705.02	415.30	386.32	28.98	14.329		
3,800.00	3,745.02	3,742.47	3,627.65	15.81	18.79	-48.72	-399.56	731.70	428.40	398.45	29.94	14.307		
3,900.00	3,842.49	3,841.60	3,721.68	16.32	19.44	-48.84	-416.15	758.38	441.50	410.59	30.91	14.285		
4,000.00	3,939.95	3,940.74	3,815.70	16.84	20.10	-48.96	-432.74	785.06	454.60	422.73	31.87	14.263		
4,100.00	4,037.42	4,039.87	3,909.73	17.35	20.76	-49.07	-449.33	811.73	467.70	434.86	32.84	14.242		
4,200.00	4,134.88	4,139.01	4,003.75	17.87	21.42	-49.17	-465.92	838.41	480.80	447.00	33.81	14.221		
4,300.00	4,232.35	4,238.14	4,097.77	18.39	22.08	-49.27	-482.51	865.09	493.91	459.13	34.78	14.201		
4,400.00	4,329.81	4,337.27	4,191.80	18.90	22.74	-49.36	-499.10	891.77	507.02	471.27	35.75	14.181		
4,500.00	4,427.28	4,436.41	4,285.82	19.42	23.40	-49.44	-515.69	918.45	520.13	483.40	36.73	14.162		
4,600.00	4,524.75	4,535.54	4,379.85	19.94	24.06	-49.53	-532.28	945.12	533.24	495.53	37.70	14.144		
4,700.00	4,622.21	4,634.68	4,473.87	20.46	24.72	-49.60	-548.87	971.80	546.35	507.67	38.68	14.125		
4,800.00	4,719.68	4,733.81	4,567.90	20.98	25.39	-49.68	-565.46	998.48	559.46	519.80	39.66	14.108		
4,900.00	4,817.14	4,832.94	4,661.92	21.50	26.05	-49.75	-582.05	1,025.16	572.57	531.93	40.64	14.091		
5,000.00	4,914.61	4,932.08	4,755.95	22.02	26.71	-49.82	-598.64	1,051.84	585.68	544.07	41.62	14.074		

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



# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	5,012.07	5,031.21	4,849.97	22.54	27.38	-49.89	-615.23	1,078.52	598.80	556.20	42.60	14.058		
5,200.00	5,109.54	5,130.35	4,944.00	23.06	28.04	-49.95	-631.82	1,105.19	611.91	568.33	43.58	14.042		
5,300.00	5,207.01	5,229.48	5,038.02	23.59	28.71	-50.01	-648.41	1,131.87	625.03	580.47	44.56	14.026		
5,400.00	5,304.47	5,328.61	5,132.05	24.11	29.37	-50.07	-665.00	1,158.55	638.14	592.60	45.54	14.012		
5,500.00	5,401.94	5,427.75	5,226.07	24.63	30.04	-50.12	-681.59	1,185.23	651.26	604.73	46.53	13.997		
5,600.00	5,499.40	5,526.88	5,320.10	25.16	30.70	-50.17	-698.18	1,211.91	664.38	616.86	47.51	13.983		
5,700.00	5,596.87	5,626.02	5,414.12	25.68	31.37	-50.22	-714.77	1,238.58	677.50	629.00	48.50	13.969		
5,800.00	5,694.33	5,725.15	5,508.14	26.20	32.04	-50.27	-731.36	1,265.26	690.61	641.13	49.48	13.956		
5,900.00	5,791.80	5,824.29	5,602.17	26.73	32.70	-50.32	-747.95	1,291.94	703.73	653.26	50.47	13.943		
6,000.00	5,889.27	5,923.42	5,696.19	27.25	33.37	-50.37	-764.54	1,318.62	716.85	665.39	51.46	13.931		
6,100.00	5,986.73	6,022.55	5,790.22	27.78	34.04	-50.41	-781.13	1,345.30	729.97	677.52	52.45	13.918		
6,200.00	6,084.20	6,121.69	5,884.24	28.30	34.70	-50.45	-797.72	1,371.97	743.09	689.66	53.44	13.906		
6,300.00	6,181.66	6,220.82	5,978.27	28.82	35.37	-50.49	-814.31	1,398.65	756.21	701.79	54.42	13.895		
6,400.00	6,279.13	6,319.96	6,072.29	29.35	36.04	-50.53	-830.90	1,425.33	769.33	713.92	55.41	13.884		
6,500.00	6,376.59	6,419.09	6,166.32	29.88	36.71	-50.57	-847.49	1,452.01	782.45	726.05	56.40	13.873		
6,600.00	6,474.06	6,518.22	6,260.34	30.40	37.37	-50.61	-864.08	1,478.69	795.58	738.18	57.39	13.862		
6,700.00	6,571.53	6,617.36	6,354.37	30.93	38.04	-50.64	-880.67	1,505.36	808.70	750.31	58.38	13.851		
6,800.00	6,668.99	6,716.49	6,448.39	31.45	38.71	-50.68	-897.26	1,532.04	821.82	762.44	59.37	13.841		
6,887.36	6,754.14	6,818.03	6,544.90	31.91	39.38	-50.74	-913.93	1,558.85	832.87	772.48	60.39	13.791		
6,900.00	6,766.46	6,834.70	6,560.82	31.98	39.49	-50.78	-916.51	1,563.01	834.29	773.74	60.56	13.777		
7,000.00	6,864.39	6,966.94	6,688.19	32.48	40.28	-51.07	-935.30	1,593.22	844.58	782.80	61.79	13.669		
7,100.00	6,962.96	7,099.86	6,817.71	32.94	40.98	-51.30	-951.03	1,618.52	853.16	790.28	62.88	13.568		
7,200.00	7,062.06	7,233.34	6,949.02	33.36	41.59	-51.49	-963.62	1,638.77	860.00	796.18	63.82	13.475		
7,300.00	7,161.57	7,367.24	7,081.73	33.74	42.12	-51.63	-973.00	1,653.84	865.07	800.45	64.62	13.387		
7,400.00	7,261.36	7,501.45	7,215.44	34.08	42.57	-51.71	-979.09	1,663.64	868.37	803.09	65.28	13.303		
7,500.00	7,361.31	7,635.84	7,349.71	34.39	42.92	-51.75	-981.88	1,668.12	869.87	804.10	65.78	13.224		
7,533.69	7,395.00	7,681.13	7,395.00	34.48	43.03	89.39	-982.07	1,668.43	869.98	804.07	65.91	13.200		
7,600.00	7,461.31	7,747.44	7,461.31	34.65	43.17	89.39	-982.07	1,668.43	869.98	803.72	66.25	13.131		
7,633.69	7,495.00	7,781.13	7,495.00	34.73	43.24	89.39	-982.07	1,668.43	869.98	803.55	66.43	13.097		
7,633.69	7,495.00	7,781.13	7,495.00	34.73	43.24	89.39	-982.07	1,668.43	869.98	803.55	66.43	13.097		
7,650.00	7,511.31	7,797.56	7,511.42	34.78	43.27	-90.27	-982.30	1,668.43	869.98	803.46	66.52	13.079		
7,700.00	7,561.16	7,847.91	7,561.63	34.94	43.40	-90.27	-985.95	1,668.45	869.98	803.12	66.85	13.013		
7,750.00	7,610.51	7,898.26	7,611.31	35.14	43.56	-90.26	-994.00	1,668.50	869.98	802.72	67.26	12.935		
7,800.00	7,658.98	7,948.60	7,660.10	35.37	43.74	-90.26	-1,006.37	1,668.57	869.98	802.24	67.73	12.844		
7,850.00	7,706.21	7,998.94	7,707.60	35.64	43.95	-90.25	-1,022.97	1,668.67	869.98	801.70	68.27	12.743		
7,900.00	7,751.82	8,049.26	7,753.45	35.93	44.18	-90.24	-1,043.66	1,668.79	869.98	801.10	68.88	12.630		
7,950.00	7,795.49	8,099.57	7,797.29	36.26	44.44	-90.23	-1,068.29	1,668.94	869.98	800.43	69.55	12.508		
8,000.00	7,836.86	8,149.86	7,838.80	36.62	44.72	-90.22	-1,096.67	1,669.11	869.98	799.69	70.29	12.378		
8,050.00	7,875.64	8,200.13	7,877.64	37.00	45.02	-90.20	-1,128.55	1,669.30	869.98	798.90	71.08	12.239		
8,100.00	7,911.52	8,250.39	7,913.53	37.42	45.34	-90.18	-1,163.71	1,669.51	869.98	798.05	71.93	12.095		
8,150.00	7,944.22	8,300.62	7,946.19	37.86	45.69	-90.17	-1,201.85	1,669.74	869.98	797.14	72.84	11.944		
8,200.00	7,973.51	8,350.82	7,975.36	38.32	46.05	-90.15	-1,242.69	1,669.98	869.98	796.19	73.80	11.789		
8,250.00	7,999.16	8,401.00	8,000.84	38.81	46.43	-90.13	-1,285.90	1,670.24	869.98	795.18	74.80	11.631		
8,300.00	8,020.98	8,451.15	8,022.44	39.31	46.83	-90.11	-1,331.14	1,670.51	869.98	794.14	75.85	11.470		
8,350.00	8,038.79	8,501.28	8,039.98	39.84	47.25	-90.08	-1,378.08	1,670.79	869.99	793.06	76.93	11.309		
8,400.00	8,052.46	8,551.37	8,053.35	40.38	47.68	-90.06	-1,426.34	1,671.08	869.99	791.95	78.04	11.148		
8,450.00	8,061.89	8,601.43	8,062.46	40.93	48.12	-90.04	-1,475.55	1,671.38	869.99	790.82	79.17	10.988		
8,500.00	8,067.01	8,651.47	8,067.23	41.49	48.58	-90.01	-1,525.34	1,671.67	869.99	789.67	80.32	10.832		
8,533.77	8,068.00	8,685.24	8,068.00	41.88	48.89	-90.00	-1,559.10	1,671.88	869.99	788.90	81.10	10.728		
8,600.00	8,068.00	8,751.47	8,068.00	42.64	49.51	-90.00	-1,625.33	1,672.27	870.00	787.35	82.65	10.527		
8,700.00	8,068.00	8,851.47	8,068.00	43.82	50.49	-90.00	-1,725.33	1,672.87	870.00	784.95	85.05	10.229		
8,800.00	8,068.00	8,951.47	8,067.99	45.04	51.51	-90.00	-1,825.32	1,673.47	870.01	782.47	87.53	9.939		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
8,900.00	8,067.99	9,051.47	8,067.99	46.30	52.58	-90.00	-1,925.32	1,674.07	870.01	779.93	90.09	9.657		
9,000.00	8,067.99	9,151.47	8,067.99	47.59	53.67	-90.00	-2,025.32	1,674.66	870.02	777.31	92.71	9.385		
9,100.00	8,067.99	9,251.47	8,067.99	48.91	54.81	-90.00	-2,125.32	1,675.26	870.02	774.64	95.38	9.121		
9,200.00	8,067.99	9,351.47	8,067.98	50.26	55.98	-90.00	-2,225.32	1,675.86	870.03	771.91	98.12	8.867		
9,300.00	8,067.99	9,451.47	8,067.98	51.63	57.17	-90.00	-2,325.32	1,676.46	870.03	769.13	100.90	8.623		
9,400.00	8,067.99	9,551.47	8,067.98	53.03	58.40	-90.00	-2,425.31	1,677.06	870.03	766.30	103.73	8.387		
9,500.00	8,067.98	9,651.47	8,067.98	54.44	59.66	-90.00	-2,525.31	1,677.65	870.04	763.43	106.60	8.161		
9,600.00	8,067.98	9,751.47	8,067.98	55.88	60.94	-90.00	-2,625.31	1,678.25	870.04	760.53	109.52	7.944		
9,700.00	8,067.98	9,851.47	8,067.97	57.34	62.25	-90.00	-2,725.31	1,678.85	870.05	757.58	112.47	7.736		
9,800.00	8,067.98	9,951.47	8,067.97	58.81	63.58	-90.00	-2,825.31	1,679.45	870.05	754.60	115.45	7.536		
9,900.00	8,067.98	10,051.47	8,067.97	60.31	64.93	-90.00	-2,925.30	1,680.05	870.05	751.59	118.46	7.345		
10,000.00	8,067.98	10,151.47	8,067.97	61.81	66.30	-90.00	-3,025.30	1,680.64	870.06	748.55	121.50	7.161		
10,100.00	8,067.98	10,251.47	8,067.96	63.33	67.69	-90.00	-3,125.30	1,681.24	870.06	745.49	124.57	6.984		
10,200.00	8,067.97	10,351.47	8,067.96	64.86	69.10	-90.00	-3,225.30	1,681.84	870.07	742.40	127.67	6.815		
10,300.00	8,067.97	10,451.47	8,067.96	66.41	70.53	-90.00	-3,325.30	1,682.44	870.07	739.28	130.78	6.653		
10,400.00	8,067.97	10,551.47	8,067.96	67.96	71.97	-90.00	-3,425.30	1,683.04	870.07	736.15	133.92	6.497		
10,500.00	8,067.97	10,651.47	8,067.96	69.53	73.42	-90.00	-3,525.29	1,683.63	870.08	732.99	137.08	6.347		
10,600.00	8,067.97	10,751.47	8,067.95	71.10	74.89	-90.00	-3,625.29	1,684.23	870.08	729.82	140.26	6.203		
10,700.00	8,067.97	10,851.47	8,067.95	72.69	76.38	-90.00	-3,725.29	1,684.83	870.08	726.63	143.45	6.065		
10,800.00	8,067.97	10,951.47	8,067.95	74.28	77.87	-90.00	-3,825.29	1,685.43	870.08	723.42	146.66	5.933		
10,900.00	8,067.97	11,051.47	8,067.95	75.88	79.38	-90.00	-3,925.29	1,686.02	870.09	720.20	149.89	5.805		
11,000.00	8,067.97	11,151.47	8,067.94	77.49	80.90	-90.00	-4,025.29	1,686.62	870.09	716.96	153.13	5.682		
11,100.00	8,067.97	11,251.47	8,067.94	79.10	82.43	-90.00	-4,125.28	1,687.22	870.09	713.71	156.38	5.564		
11,200.00	8,067.96	11,351.47	8,067.94	80.73	83.97	-90.00	-4,225.28	1,687.82	870.10	710.45	159.64	5.450		
11,300.00	8,067.96	11,451.47	8,067.94	82.35	85.51	-90.00	-4,325.28	1,688.42	870.10	707.18	162.92	5.341		
11,400.00	8,067.96	11,551.47	8,067.93	83.99	87.07	-90.00	-4,425.28	1,689.01	870.10	703.89	166.21	5.235		
11,500.00	8,067.96	11,651.47	8,067.93	85.63	88.64	-90.00	-4,525.28	1,689.61	870.10	700.60	169.51	5.133		
11,600.00	8,067.96	11,751.47	8,067.93	87.27	90.21	-90.00	-4,625.27	1,690.21	870.11	697.29	172.82	5.035		
11,700.00	8,067.96	11,851.47	8,067.93	88.92	91.79	-90.00	-4,725.27	1,690.81	870.11	693.97	176.13	4.940		
11,800.00	8,067.96	11,951.47	8,067.93	90.58	93.38	-90.00	-4,825.27	1,691.41	870.11	690.65	179.46	4.849		
11,900.00	8,067.96	12,051.47	8,067.92	92.23	94.97	-90.00	-4,925.27	1,692.00	870.11	687.32	182.79	4.760		
12,000.00	8,067.96	12,151.47	8,067.92	93.90	96.57	-90.00	-5,025.27	1,692.60	870.11	683.98	186.14	4.675		
12,100.00	8,067.96	12,251.47	8,067.92	95.56	98.18	-90.00	-5,125.27	1,693.20	870.12	680.63	189.49	4.592		
12,200.00	8,067.96	12,351.47	8,067.92	97.23	99.79	-90.00	-5,225.26	1,693.80	870.12	677.27	192.84	4.512		
12,300.00	8,067.96	12,451.47	8,067.91	98.91	101.41	-90.00	-5,325.26	1,694.40	870.12	673.91	196.21	4.435		
12,400.00	8,067.96	12,551.47	8,067.91	100.59	103.03	-90.00	-5,425.26	1,694.99	870.12	670.54	199.58	4.360		
12,500.00	8,067.96	12,651.47	8,067.91	102.27	104.66	-90.00	-5,525.26	1,695.59	870.12	667.17	202.95	4.287		
12,600.00	8,067.96	12,751.47	8,067.91	103.95	106.29	-90.00	-5,625.26	1,696.19	870.12	663.79	206.33	4.217		
12,700.00	8,067.96	12,851.47	8,067.90	105.64	107.93	-90.00	-5,725.25	1,696.79	870.12	660.40	209.72	4.149		
12,800.00	8,067.96	12,951.47	8,067.90	107.33	109.57	-90.00	-5,825.25	1,697.39	870.13	657.01	213.11	4.083		
12,900.00	8,067.96	13,051.47	8,067.90	109.02	111.21	-90.00	-5,925.25	1,697.98	870.13	653.62	216.51	4.019		
13,000.00	8,067.96	13,151.47	8,067.90	110.71	112.86	-90.00	-6,025.25	1,698.58	870.13	650.22	219.91	3.957		
13,100.00	8,067.96	13,251.47	8,067.90	112.41	114.51	-90.00	-6,125.25	1,699.18	870.13	646.81	223.32	3.896		
13,200.00	8,067.96	13,351.47	8,067.89	114.11	116.17	-90.00	-6,225.25	1,699.78	870.13	643.40	226.73	3.838		
13,300.00	8,067.96	13,451.47	8,067.89	115.81	117.83	-90.00	-6,325.24	1,700.37	870.13	639.99	230.14	3.781		
13,400.00	8,067.96	13,551.47	8,067.89	117.52	119.49	-90.00	-6,425.24	1,700.97	870.13	636.57	233.56	3.725		
13,500.00	8,067.96	13,651.47	8,067.89	119.22	121.16	-90.00	-6,525.24	1,701.57	870.13	633.15	236.98	3.672		
13,600.00	8,067.96	13,751.47	8,067.88	120.93	122.83	-90.00	-6,625.24	1,702.17	870.13	629.72	240.41	3.619		
13,700.00	8,067.96	13,851.47	8,067.88	122.64	124.50	-90.00	-6,725.24	1,702.77	870.13	626.29	243.84	3.568		
13,800.00	8,067.96	13,951.47	8,067.88	124.35	126.18	-89.99	-6,825.24	1,703.36	870.13	622.86	247.27	3.519		
13,900.00	8,067.96	14,051.47	8,067.88	126.06	127.86	-89.99	-6,925.23	1,703.96	870.13	619.43	250.71	3.471		
14,000.00	8,067.96	14,151.47	8,067.88	127.78	129.54	-89.99	-7,025.23	1,704.56	870.13	615.99	254.15	3.424		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	8,067.96	14,251.47	8,067.87	129.50	131.22	-89.99	-7,125.23	1,705.16	870.13	612.54	257.59	3.378		
14,200.00	8,067.96	14,351.47	8,067.87	131.21	132.90	-89.99	-7,225.23	1,705.76	870.13	609.10	261.03	3.333		
14,300.00	8,067.96	14,451.47	8,067.87	132.93	134.59	-89.99	-7,325.23	1,706.35	870.13	605.65	264.48	3.290		
14,400.00	8,067.96	14,551.47	8,067.87	134.65	136.28	-89.99	-7,425.22	1,706.95	870.13	602.20	267.93	3.248		
14,500.00	8,067.96	14,651.47	8,067.86	136.38	137.97	-89.99	-7,525.22	1,707.55	870.13	598.75	271.38	3.206		
14,600.00	8,067.96	14,751.47	8,067.86	138.10	139.67	-89.99	-7,625.22	1,708.15	870.13	595.29	274.84	3.166		
14,700.00	8,067.96	14,851.47	8,067.86	139.82	141.36	-89.99	-7,725.22	1,708.75	870.13	591.84	278.29	3.127		
14,800.00	8,067.96	14,951.47	8,067.86	141.55	143.06	-89.99	-7,825.22	1,709.34	870.13	588.38	281.75	3.088		
14,900.00	8,067.96	15,051.47	8,067.85	143.28	144.76	-89.99	-7,925.22	1,709.94	870.13	584.92	285.21	3.051		
15,000.00	8,067.96	15,151.47	8,067.85	145.00	146.46	-89.99	-8,025.21	1,710.54	870.13	581.45	288.68	3.014		
15,100.00	8,067.96	15,251.47	8,067.85	146.73	148.16	-89.99	-8,125.21	1,711.14	870.13	577.98	292.14	2.978		
15,200.00	8,067.96	15,351.47	8,067.85	148.46	149.87	-89.99	-8,225.21	1,711.73	870.13	574.52	295.61	2.943		
15,300.00	8,067.96	15,451.47	8,067.85	150.19	151.57	-89.99	-8,325.21	1,712.33	870.13	571.05	299.08	2.909		
15,400.00	8,067.96	15,551.47	8,067.84	151.93	153.28	-89.99	-8,425.21	1,712.93	870.12	567.57	302.55	2.876		
15,500.00	8,067.96	15,651.47	8,067.84	153.66	154.99	-89.99	-8,525.20	1,713.53	870.12	564.10	306.02	2.843		
15,600.00	8,067.96	15,751.47	8,067.84	155.39	156.70	-89.99	-8,625.20	1,714.13	870.12	560.62	309.50	2.811		
15,700.00	8,067.97	15,851.47	8,067.84	157.13	158.41	-89.99	-8,725.20	1,714.72	870.12	557.15	312.97	2.780		
15,800.00	8,067.97	15,951.47	8,067.83	158.86	160.13	-89.99	-8,825.20	1,715.32	870.12	553.67	316.45	2.750		
15,900.00	8,067.97	16,051.47	8,067.83	160.60	161.84	-89.99	-8,925.20	1,715.92	870.12	550.19	319.93	2.720		
16,000.00	8,067.97	16,151.47	8,067.83	162.34	163.56	-89.99	-9,025.20	1,716.52	870.12	546.70	323.41	2.690		
16,100.00	8,067.97	16,251.47	8,067.83	164.08	165.28	-89.99	-9,125.19	1,717.12	870.11	543.22	326.89	2.662		
16,200.00	8,067.97	16,351.47	8,067.82	165.81	166.99	-89.99	-9,225.19	1,717.71	870.11	539.74	330.38	2.634		
16,300.00	8,067.97	16,451.47	8,067.82	167.55	168.71	-89.99	-9,325.19	1,718.31	870.11	536.25	333.86	2.606		
16,400.00	8,067.97	16,551.47	8,067.82	169.29	170.43	-89.99	-9,425.19	1,718.91	870.11	532.76	337.35	2.579		
16,500.00	8,067.97	16,651.47	8,067.82	171.04	172.16	-89.99	-9,525.19	1,719.51	870.11	529.27	340.83	2.553		
16,600.00	8,067.98	16,751.47	8,067.82	172.78	173.88	-89.99	-9,625.19	1,720.11	870.10	525.78	344.32	2.527		
16,700.00	8,067.98	16,851.47	8,067.81	174.52	175.60	-89.99	-9,725.18	1,720.70	870.10	522.29	347.81	2.502		
16,800.00	8,067.98	16,951.47	8,067.81	176.26	177.33	-89.99	-9,825.18	1,721.30	870.10	518.80	351.30	2.477		
16,900.00	8,067.98	17,051.47	8,067.81	178.01	179.05	-89.99	-9,925.18	1,721.90	870.10	515.30	354.79	2.452		
17,000.00	8,067.98	17,151.47	8,067.81	179.75	180.78	-89.99	-10,025.18	1,722.50	870.09	511.81	358.29	2.428		
17,100.00	8,067.98	17,251.47	8,067.80	181.49	182.51	-89.99	-10,125.18	1,723.10	870.09	508.31	361.78	2.405		
17,200.00	8,067.98	17,351.47	8,067.80	183.24	184.23	-89.99	-10,225.17	1,723.69	870.09	504.81	365.28	2.382		
17,300.00	8,067.99	17,451.47	8,067.80	184.99	185.96	-89.99	-10,325.17	1,724.29	870.09	501.31	368.77	2.359		
17,400.00	8,067.99	17,551.47	8,067.80	186.73	187.69	-89.99	-10,425.17	1,724.89	870.08	497.81	372.27	2.337		
17,500.00	8,067.99	17,651.47	8,067.79	188.48	189.42	-89.99	-10,525.17	1,725.49	870.08	494.31	375.77	2.315		
17,600.00	8,067.99	17,751.47	8,067.79	190.23	191.16	-89.99	-10,625.17	1,726.08	870.08	490.81	379.27	2.294		
17,700.00	8,067.99	17,851.47	8,067.79	191.97	192.89	-89.99	-10,725.17	1,726.68	870.07	487.31	382.77	2.273		
17,800.00	8,067.99	17,951.47	8,067.79	193.72	194.62	-89.99	-10,825.16	1,727.28	870.07	483.80	386.27	2.253		
17,900.00	8,068.00	18,051.47	8,067.79	195.47	196.35	-89.99	-10,925.16	1,727.88	870.07	480.30	389.77	2.232		
18,000.00	8,068.00	18,151.47	8,067.78	197.22	198.09	-89.99	-11,025.16	1,728.48	870.06	476.79	393.27	2.212		
18,100.00	8,068.00	18,251.47	8,067.78	198.97	199.82	-89.99	-11,125.16	1,729.07	870.06	473.29	396.77	2.193		
18,135.66	8,068.00	18,287.14	8,067.78	199.59	200.44	-89.99	-11,160.82	1,729.29	870.06	472.04	398.02	2.186		
18,184.63	8,068.00	18,331.27	8,067.94	200.45	201.21	-90.00	-11,204.95	1,729.73	870.24	470.39	399.85	2.176		
18,185.16	8,068.00	18,331.79	8,067.94	200.47	201.22	-90.00	-11,205.48	1,729.73	870.25	470.38	399.87	2.176 SF		

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	90.32	-0.60	107.97	107.97					
100.00	100.00	100.00	100.00	0.13	0.13	90.32	-0.60	107.97	107.97	107.70	0.27	401.593		
200.00	200.00	200.00	200.00	0.49	0.49	90.32	-0.60	107.97	107.97	106.98	0.99	109.525		
300.00	300.00	300.00	300.00	0.85	0.85	90.32	-0.60	107.97	107.97	106.27	1.70	63.409		
400.00	400.00	400.00	400.00	1.21	1.21	90.32	-0.60	107.97	107.97	105.55	2.42	44.621		
500.00	500.00	500.00	500.00	1.57	1.57	90.32	-0.60	107.97	107.97	104.83	3.14	34.422		
600.00	600.00	600.00	600.00	1.93	1.93	90.32	-0.60	107.97	107.97	104.12	3.85	28.018		
700.00	700.00	700.00	700.00	2.29	2.29	90.32	-0.60	107.97	107.97	103.40	4.57	23.623		
800.00	800.00	800.00	800.00	2.64	2.64	90.32	-0.60	107.97	107.97	102.68	5.29	20.420 CC, ES		
900.00	900.00	896.73	896.71	3.00	2.98	90.71	-1.36	109.41	109.47	103.49	5.98	18.309		
1,000.00	1,000.00	993.24	993.09	3.36	3.31	91.84	-3.65	113.73	114.00	107.34	6.66	17.122		
1,100.00	1,100.00	1,089.31	1,088.82	3.72	3.64	93.51	-7.42	120.87	121.61	114.28	7.33	16.583		
1,200.00	1,200.00	1,184.74	1,183.58	4.08	3.99	95.53	-12.66	130.77	132.41	124.40	8.00	16.543		
1,300.00	1,299.98	1,279.54	1,277.31	4.42	4.35	-43.75	-19.32	143.37	145.18	136.53	8.65	16.784		
1,400.00	1,399.84	1,373.90	1,370.07	4.75	4.73	-42.60	-27.38	158.62	158.61	149.33	9.28	17.097		
1,500.00	1,499.45	1,467.78	1,461.75	5.09	5.13	-42.01	-36.81	176.46	172.59	162.69	9.90	17.429		
1,600.00	1,598.70	1,561.19	1,552.26	5.44	5.56	-41.85	-47.59	196.84	187.07	176.53	10.54	17.751		
1,700.00	1,697.47	1,654.09	1,641.50	5.81	6.02	-42.02	-59.67	219.69	202.02	190.83	11.18	18.065		
1,800.00	1,795.62	1,746.50	1,729.37	6.19	6.52	-42.45	-73.02	244.94	217.44	205.59	11.84	18.361		
1,846.33	1,840.86	1,789.14	1,769.60	6.38	6.76	-42.72	-79.62	257.44	224.74	212.59	12.15	18.492		
1,900.00	1,893.17	1,838.35	1,815.76	6.60	7.06	-43.12	-87.59	272.51	233.70	221.18	12.52	18.661		
2,000.00	1,990.64	1,932.48	1,903.33	7.02	7.65	-43.63	-103.73	303.04	252.40	239.13	13.27	19.019		
2,100.00	2,088.10	2,030.60	1,994.43	7.46	8.30	-44.06	-120.78	335.28	271.59	257.49	14.11	19.253		
2,200.00	2,185.57	2,128.73	2,085.52	7.91	8.97	-44.42	-137.82	367.51	290.80	275.84	14.96	19.438		
2,300.00	2,283.03	2,226.85	2,176.62	8.37	9.65	-44.74	-154.86	399.75	310.01	294.18	15.83	19.584		
2,400.00	2,380.50	2,324.97	2,267.72	8.84	10.34	-45.03	-171.90	431.98	329.24	312.52	16.71	19.699		
2,500.00	2,477.97	2,423.09	2,358.81	9.32	11.05	-45.28	-188.94	464.21	348.47	330.86	17.61	19.790		
2,600.00	2,575.43	2,521.22	2,449.91	9.80	11.76	-45.51	-205.99	496.45	367.71	349.19	18.51	19.861		
2,700.00	2,672.90	2,619.34	2,541.00	10.28	12.48	-45.71	-223.03	528.68	386.95	367.52	19.43	19.917		
2,800.00	2,770.36	2,717.46	2,632.10	10.77	13.20	-45.90	-240.07	560.92	406.20	385.85	20.35	19.961		
2,900.00	2,867.83	2,815.58	2,723.20	11.26	13.93	-46.06	-257.11	593.15	425.45	404.17	21.28	19.995		
3,000.00	2,965.29	2,913.71	2,814.29	11.76	14.66	-46.22	-274.15	625.39	444.70	422.49	22.21	20.021		
3,100.00	3,062.76	3,011.83	2,905.39	12.26	15.39	-46.36	-291.20	657.62	463.96	440.80	23.15	20.040		
3,200.00	3,160.23	3,109.95	2,996.49	12.76	16.13	-46.49	-308.24	689.85	483.21	459.12	24.10	20.054		
3,300.00	3,257.69	3,208.07	3,087.58	13.27	16.87	-46.61	-325.28	722.09	502.47	477.43	25.04	20.064		
3,400.00	3,355.16	3,306.20	3,178.68	13.77	17.61	-46.72	-342.32	754.32	521.74	495.74	26.00	20.070		
3,500.00	3,452.62	3,404.32	3,269.77	14.28	18.36	-46.82	-359.36	786.56	541.00	514.05	26.95	20.073		
3,600.00	3,550.09	3,502.44	3,360.87	14.79	19.10	-46.92	-376.41	818.79	560.27	532.36	27.91	20.074		
3,700.00	3,647.55	3,600.56	3,451.97	15.30	19.85	-47.01	-393.45	851.03	579.54	550.66	28.87	20.073		
3,800.00	3,745.02	3,701.32	3,543.06	15.81	20.62	-47.09	-410.49	883.26	598.80	568.96	29.85	20.061		
3,900.00	3,842.49	3,796.81	3,634.16	16.32	21.35	-47.17	-427.53	915.49	618.07	587.27	30.80	20.067		
4,000.00	3,939.95	3,905.07	3,725.26	16.84	22.18	-47.24	-444.57	947.73	637.35	605.52	31.82	20.029		
4,100.00	4,037.42	4,006.95	3,816.35	17.35	22.96	-47.31	-461.61	979.96	656.62	623.81	32.81	20.012		
4,200.00	4,134.88	4,091.17	3,907.45	17.87	23.61	-47.38	-478.66	1,012.20	675.89	642.18	33.71	20.050		
4,300.00	4,232.35	4,189.30	3,998.54	18.39	24.36	-47.44	-495.70	1,044.43	695.16	660.48	34.68	20.043		
4,400.00	4,329.81	4,287.42	4,089.64	18.90	25.12	-47.50	-512.74	1,076.67	714.44	678.78	35.66	20.035		
4,500.00	4,427.28	4,385.54	4,180.74	19.42	25.87	-47.55	-529.78	1,108.90	733.71	697.08	36.64	20.027		
4,600.00	4,524.75	4,483.66	4,271.83	19.94	26.63	-47.60	-546.82	1,141.13	752.99	715.38	37.61	20.019		
4,700.00	4,622.21	4,581.79	4,362.93	20.46	27.38	-47.65	-563.87	1,173.37	772.27	733.67	38.59	20.011		
4,800.00	4,719.68	4,679.91	4,454.03	20.98	28.14	-47.70	-580.91	1,205.60	791.54	751.97	39.57	20.003		
4,900.00	4,817.14	4,778.03	4,545.12	21.50	28.90	-47.75	-597.95	1,237.84	810.82	770.27	40.55	19.995		
5,000.00	4,914.61	4,876.15	4,636.22	22.02	29.65	-47.79	-614.99	1,270.07	830.10	788.56	41.53	19.986		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	5,012.07	4,974.28	4,727.31	22.54	30.41	-47.83	-632.03	1,302.31	849.38	806.86	42.52	19.978		
5,200.00	5,109.54	5,072.40	4,818.41	23.06	31.17	-47.87	-649.08	1,334.54	868.65	825.15	43.50	19.969		
5,300.00	5,207.01	5,170.52	4,909.51	23.59	31.93	-47.91	-666.12	1,366.78	887.93	843.45	44.48	19.961		
5,400.00	5,304.47	5,268.64	5,000.60	24.11	32.69	-47.94	-683.16	1,399.01	907.21	861.74	45.47	19.952		
5,500.00	5,401.94	5,366.77	5,091.70	24.63	33.45	-47.98	-700.20	1,431.24	926.49	880.04	46.45	19.944		
5,600.00	5,499.40	5,464.89	5,182.79	25.16	34.21	-48.01	-717.24	1,463.48	945.77	898.33	47.44	19.936		
5,700.00	5,596.87	5,563.01	5,273.89	25.68	34.97	-48.04	-734.28	1,495.71	965.05	916.62	48.43	19.928		
5,800.00	5,694.33	5,661.13	5,364.99	26.20	35.73	-48.07	-751.33	1,527.95	984.33	934.92	49.41	19.920		
5,900.00	5,791.80	5,759.25	5,456.08	26.73	36.49	-48.10	-768.37	1,560.18	1,003.61	953.21	50.40	19.912		
6,000.00	5,889.27	5,857.38	5,547.18	27.25	37.25	-48.13	-785.41	1,592.42	1,022.89	971.50	51.39	19.904		
6,100.00	5,986.73	5,955.50	5,638.28	27.78	38.01	-48.16	-802.45	1,624.65	1,042.18	989.80	52.38	19.896		
6,200.00	6,084.20	6,053.62	5,729.37	28.30	38.77	-48.18	-819.49	1,656.88	1,061.46	1,008.09	53.37	19.889		
6,300.00	6,181.66	6,151.74	5,820.47	28.82	39.53	-48.21	-836.54	1,689.12	1,080.74	1,026.38	54.36	19.881		
6,400.00	6,279.13	6,249.87	5,911.56	29.35	40.29	-48.23	-853.58	1,721.35	1,100.02	1,044.67	55.35	19.874		
6,500.00	6,376.59	6,347.99	6,002.66	29.88	41.05	-48.26	-870.62	1,753.59	1,119.30	1,062.96	56.34	19.867		
6,600.00	6,474.06	6,460.66	6,107.37	30.40	41.92	-48.29	-890.06	1,790.36	1,138.42	1,080.94	57.48	19.805		
6,700.00	6,571.53	6,614.84	6,252.72	30.93	43.02	-48.46	-914.06	1,835.76	1,154.07	1,095.08	58.99	19.564		
6,800.00	6,668.99	6,770.78	6,402.34	31.45	43.97	-48.82	-934.59	1,874.58	1,164.91	1,104.52	60.39	19.289		
6,887.36	6,754.14	6,907.75	6,535.55	31.91	44.71	-49.27	-949.45	1,902.70	1,170.43	1,108.89	61.54	19.020		
6,900.00	6,766.46	6,927.58	6,554.96	31.98	44.80	-49.35	-951.36	1,906.30	1,170.94	1,109.25	61.69	18.981		
7,000.00	6,864.39	7,084.58	6,709.51	32.48	45.49	-49.98	-964.21	1,930.61	1,173.53	1,110.70	62.83	18.678		
7,100.00	6,962.96	7,241.45	6,865.21	32.94	46.06	-50.55	-973.09	1,947.40	1,173.55	1,109.78	63.77	18.402		
7,200.00	7,062.06	7,397.91	7,021.29	33.36	46.51	-51.07	-977.96	1,956.61	1,171.00	1,106.47	64.53	18.146		
7,300.00	7,161.57	7,538.21	7,161.57	33.74	46.81	-51.48	-978.99	1,958.57	1,166.06	1,100.89	65.17	17.893		
7,400.00	7,261.36	7,638.11	7,261.46	34.08	47.00	-51.63	-979.65	1,958.58	1,162.07	1,096.22	65.85	17.648		
7,500.00	7,361.31	7,737.02	7,359.36	34.39	47.26	-51.06	-992.87	1,958.66	1,160.28	1,093.97	66.31	17.498		
7,520.35	7,381.65	7,756.45	7,378.24	34.44	47.32	-50.84	-997.45	1,958.68	1,160.22	1,093.85	66.37	17.481		
7,533.69	7,395.00	7,769.00	7,390.35	34.48	47.36	90.47	-1,000.74	1,958.70	1,160.25	1,093.84	66.41	17.471		
7,600.00	7,461.31	7,828.89	7,447.01	34.65	47.58	91.42	-1,020.06	1,958.82	1,160.76	1,094.20	66.56	17.439		
7,633.69	7,495.00	7,857.59	7,473.37	34.73	47.70	91.98	-1,031.39	1,958.89	1,161.28	1,094.65	66.63	17.429		
7,650.00	7,511.31	7,871.12	7,485.60	34.78	47.76	-87.37	-1,037.18	1,958.92	1,161.60	1,094.93	66.67	17.423		
7,700.00	7,561.16	7,911.91	7,521.58	34.94	47.94	-86.44	-1,056.39	1,959.04	1,162.80	1,095.93	66.87	17.389		
7,750.00	7,610.51	7,951.77	7,555.33	35.14	48.13	-85.52	-1,077.57	1,959.16	1,164.29	1,097.13	67.16	17.336		
7,800.00	7,658.98	7,990.81	7,586.88	35.37	48.33	-84.64	-1,100.55	1,959.30	1,166.02	1,098.47	67.55	17.262		
7,850.00	7,706.21	8,029.12	7,616.26	35.64	48.54	-83.78	-1,125.13	1,959.45	1,167.94	1,099.91	68.02	17.169		
7,900.00	7,751.82	8,066.80	7,643.48	35.93	48.76	-82.96	-1,151.17	1,959.60	1,169.99	1,101.41	68.58	17.061		
7,950.00	7,795.49	8,103.92	7,668.57	36.26	48.98	-82.18	-1,178.52	1,959.77	1,172.14	1,102.93	69.21	16.936		
8,000.00	7,836.86	8,140.56	7,691.54	36.62	49.22	-81.44	-1,207.05	1,959.94	1,174.32	1,104.40	69.92	16.796		
8,050.00	7,875.64	8,176.76	7,712.41	37.00	49.46	-80.76	-1,236.63	1,960.12	1,176.49	1,105.80	70.69	16.642		
8,100.00	7,911.52	8,212.60	7,731.19	37.42	49.70	-80.12	-1,267.15	1,960.30	1,178.60	1,107.07	71.54	16.475		
8,150.00	7,944.22	8,250.00	7,748.71	37.86	49.97	-79.53	-1,300.18	1,960.50	1,180.62	1,108.19	72.43	16.299		
8,200.00	7,973.51	8,283.36	7,762.49	38.32	50.21	-79.03	-1,330.56	1,960.68	1,182.49	1,109.06	73.43	16.104		
8,250.00	7,999.16	8,318.37	7,775.02	38.81	50.48	-78.58	-1,363.24	1,960.87	1,184.18	1,109.71	74.47	15.902		
8,300.00	8,020.98	8,350.00	7,784.61	39.31	50.72	-78.21	-1,393.38	1,961.06	1,185.67	1,110.08	75.60	15.684		
8,350.00	8,038.79	8,387.83	7,793.88	39.84	51.03	-77.88	-1,430.05	1,961.27	1,186.92	1,110.19	76.72	15.470		
8,400.00	8,052.46	8,422.37	7,800.20	40.38	51.31	-77.63	-1,463.99	1,961.48	1,187.91	1,109.98	77.93	15.244		
8,450.00	8,061.89	8,456.81	7,804.47	40.93	51.59	-77.45	-1,498.16	1,961.68	1,188.62	1,109.44	79.18	15.013		
8,500.00	8,067.01	8,491.19	7,806.67	41.49	51.88	-77.35	-1,532.47	1,961.89	1,189.04	1,108.59	80.46	14.779		
8,533.77	8,068.00	8,516.07	7,807.00	41.88	52.09	-77.32	-1,557.35	1,962.04	1,189.16	1,107.84	81.32	14.623		
8,600.00	8,068.00	8,582.30	7,807.00	42.64	52.67	-77.32	-1,623.58	1,962.43	1,189.16	1,106.31	82.85	14.353		
8,700.00	8,068.00	8,682.30	7,807.00	43.82	53.57	-77.32	-1,723.57	1,963.03	1,189.17	1,103.94	85.23	13.953		
8,800.00	8,068.00	8,782.30	7,807.00	45.04	54.52	-77.32	-1,823.57	1,963.63	1,189.17	1,101.49	87.68	13.563		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
8,900.00	8,067.99	8,882.30	7,807.00	46.30	55.50	-77.32	-1,923.57	1,964.23	1,189.18	1,098.98	90.20	13.184		
9,000.00	8,067.99	8,982.30	7,807.00	47.59	56.53	-77.32	-2,023.57	1,964.83	1,189.18	1,096.41	92.78	12.818		
9,100.00	8,067.99	9,082.30	7,806.99	48.91	57.59	-77.32	-2,123.57	1,965.43	1,189.19	1,093.78	95.41	12.464		
9,200.00	8,067.99	9,182.30	7,806.99	50.26	58.68	-77.32	-2,223.57	1,966.03	1,189.19	1,091.09	98.10	12.122		
9,300.00	8,067.99	9,282.30	7,806.99	51.63	59.81	-77.32	-2,323.56	1,966.63	1,189.20	1,088.36	100.84	11.793		
9,400.00	8,067.99	9,382.30	7,806.99	53.03	60.97	-77.32	-2,423.56	1,967.23	1,189.21	1,085.58	103.62	11.476		
9,500.00	8,067.98	9,482.30	7,806.99	54.44	62.15	-77.32	-2,523.56	1,967.83	1,189.21	1,082.77	106.44	11.172		
9,600.00	8,067.98	9,582.30	7,806.99	55.88	63.37	-77.32	-2,623.56	1,968.43	1,189.22	1,079.91	109.31	10.880		
9,700.00	8,067.98	9,682.30	7,806.99	57.34	64.61	-77.32	-2,723.56	1,969.03	1,189.22	1,077.02	112.20	10.599		
9,800.00	8,067.98	9,782.30	7,806.99	58.81	65.88	-77.32	-2,823.55	1,969.62	1,189.23	1,074.10	115.13	10.330		
9,900.00	8,067.98	9,882.30	7,806.99	60.31	67.17	-77.32	-2,923.55	1,970.22	1,189.23	1,071.14	118.09	10.071		
10,000.00	8,067.98	9,982.30	7,806.98	61.81	68.48	-77.32	-3,023.55	1,970.82	1,189.24	1,068.16	121.07	9.823		
10,100.00	8,067.98	10,082.30	7,806.98	63.33	69.82	-77.32	-3,123.55	1,971.42	1,189.24	1,065.16	124.08	9.584		
10,200.00	8,067.97	10,182.30	7,806.98	64.86	71.17	-77.32	-3,223.55	1,972.02	1,189.24	1,062.13	127.12	9.356		
10,300.00	8,067.97	10,282.30	7,806.98	66.41	72.55	-77.32	-3,323.55	1,972.62	1,189.25	1,059.08	130.17	9.136		
10,400.00	8,067.97	10,382.30	7,806.98	67.96	73.94	-77.32	-3,423.54	1,973.22	1,189.25	1,056.00	133.25	8.925		
10,500.00	8,067.97	10,482.30	7,806.98	69.53	75.35	-77.32	-3,523.54	1,973.82	1,189.26	1,052.91	136.35	8.722		
10,600.00	8,067.97	10,582.30	7,806.98	71.10	76.77	-77.32	-3,623.54	1,974.42	1,189.26	1,049.80	139.46	8.528		
10,700.00	8,067.97	10,682.30	7,806.98	72.69	78.21	-77.32	-3,723.54	1,975.02	1,189.27	1,046.68	142.59	8.340		
10,800.00	8,067.97	10,782.30	7,806.98	74.28	79.66	-77.32	-3,823.54	1,975.62	1,189.27	1,043.53	145.74	8.160		
10,900.00	8,067.97	10,882.30	7,806.98	75.88	81.13	-77.32	-3,923.53	1,976.22	1,189.27	1,040.38	148.90	7.987		
11,000.00	8,067.97	10,982.30	7,806.97	77.49	82.61	-77.32	-4,023.53	1,976.81	1,189.28	1,037.20	152.07	7.820		
11,100.00	8,067.97	11,082.30	7,806.97	79.10	84.10	-77.32	-4,123.53	1,977.41	1,189.28	1,034.02	155.26	7.660		
11,200.00	8,067.96	11,182.30	7,806.97	80.73	85.60	-77.32	-4,223.53	1,978.01	1,189.29	1,030.82	158.46	7.505		
11,300.00	8,067.96	11,282.30	7,806.97	82.35	87.11	-77.32	-4,323.53	1,978.61	1,189.29	1,027.62	161.67	7.356		
11,400.00	8,067.96	11,382.30	7,806.97	83.99	88.63	-77.32	-4,423.53	1,979.21	1,189.29	1,024.40	164.90	7.212		
11,500.00	8,067.96	11,482.30	7,806.97	85.63	90.16	-77.32	-4,523.52	1,979.81	1,189.30	1,021.17	168.13	7.074		
11,600.00	8,067.96	11,582.30	7,806.97	87.27	91.70	-77.32	-4,623.52	1,980.41	1,189.30	1,017.93	171.37	6.940		
11,700.00	8,067.96	11,682.30	7,806.97	88.92	93.25	-77.32	-4,723.52	1,981.01	1,189.30	1,014.68	174.62	6.811		
11,800.00	8,067.96	11,782.30	7,806.97	90.58	94.81	-77.32	-4,823.52	1,981.61	1,189.31	1,011.42	177.88	6.686		
11,900.00	8,067.96	11,882.30	7,806.96	92.23	96.38	-77.32	-4,923.52	1,982.21	1,189.31	1,008.16	181.15	6.565		
12,000.00	8,067.96	11,982.30	7,806.96	93.90	97.95	-77.32	-5,023.52	1,982.81	1,189.31	1,004.89	184.43	6.449		
12,100.00	8,067.96	12,082.30	7,806.96	95.56	99.53	-77.32	-5,123.51	1,983.40	1,189.32	1,001.61	187.71	6.336		
12,200.00	8,067.96	12,182.30	7,806.96	97.23	101.11	-77.32	-5,223.51	1,984.00	1,189.32	998.32	191.00	6.227		
12,300.00	8,067.96	12,282.30	7,806.96	98.91	102.71	-77.32	-5,323.51	1,984.60	1,189.32	995.03	194.30	6.121		
12,400.00	8,067.96	12,382.30	7,806.96	100.59	104.30	-77.32	-5,423.51	1,985.20	1,189.33	991.73	197.60	6.019		
12,500.00	8,067.96	12,482.30	7,806.96	102.27	105.91	-77.32	-5,523.51	1,985.80	1,189.33	988.42	200.91	5.920		
12,600.00	8,067.96	12,582.30	7,806.96	103.95	107.52	-77.32	-5,623.50	1,986.40	1,189.33	985.11	204.22	5.824		
12,700.00	8,067.96	12,682.30	7,806.96	105.64	109.13	-77.32	-5,723.50	1,987.00	1,189.33	981.79	207.54	5.731		
12,800.00	8,067.96	12,782.30	7,806.95	107.33	110.75	-77.32	-5,823.50	1,987.60	1,189.34	978.47	210.87	5.640		
12,900.00	8,067.96	12,882.30	7,806.95	109.02	112.38	-77.32	-5,923.50	1,988.20	1,189.34	975.14	214.19	5.553		
13,000.00	8,067.96	12,982.30	7,806.95	110.71	114.01	-77.32	-6,023.50	1,988.80	1,189.34	971.81	217.53	5.468		
13,100.00	8,067.96	13,082.30	7,806.95	112.41	115.64	-77.32	-6,123.50	1,989.40	1,189.34	968.48	220.87	5.385		
13,200.00	8,067.96	13,182.30	7,806.95	114.11	117.28	-77.32	-6,223.49	1,990.00	1,189.35	965.14	224.21	5.305		
13,300.00	8,067.96	13,282.30	7,806.95	115.81	118.92	-77.32	-6,323.49	1,990.59	1,189.35	961.79	227.56	5.227		
13,400.00	8,067.96	13,382.30	7,806.95	117.52	120.57	-77.32	-6,423.49	1,991.19	1,189.35	958.44	230.91	5.151		
13,500.00	8,067.96	13,482.30	7,806.95	119.22	122.22	-77.32	-6,523.49	1,991.79	1,189.35	955.09	234.26	5.077		
13,600.00	8,067.96	13,582.30	7,806.95	120.93	123.87	-77.32	-6,623.49	1,992.39	1,189.35	951.74	237.62	5.005		
13,700.00	8,067.96	13,682.30	7,806.95	122.64	125.53	-77.32	-6,723.48	1,992.99	1,189.36	948.38	240.98	4.936		
13,800.00	8,067.96	13,782.30	7,806.94	124.35	127.19	-77.32	-6,823.48	1,993.59	1,189.36	945.01	244.34	4.868		
13,900.00	8,067.96	13,882.30	7,806.94	126.06	128.85	-77.32	-6,923.48	1,994.19	1,189.36	941.65	247.71	4.801		
14,000.00	8,067.96	13,982.30	7,806.94	127.78	130.51	-77.32	-7,023.48	1,994.79	1,189.36	938.28	251.08	4.737		

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



# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	8,067.96	14,082.30	7,806.94	129.50	132.18	-77.32	-7,123.48	1,995.39	1,189.36	934.91	254.46	4.674		
14,200.00	8,067.96	14,182.30	7,806.94	131.21	133.85	-77.32	-7,223.48	1,995.99	1,189.36	931.53	257.83	4.613		
14,300.00	8,067.96	14,282.30	7,806.94	132.93	135.53	-77.32	-7,323.47	1,996.59	1,189.37	928.15	261.21	4.553		
14,400.00	8,067.96	14,382.30	7,806.94	134.65	137.20	-77.32	-7,423.47	1,997.19	1,189.37	924.77	264.59	4.495		
14,500.00	8,067.96	14,482.30	7,806.94	136.38	138.88	-77.32	-7,523.47	1,997.78	1,189.37	921.39	267.98	4.438		
14,600.00	8,067.96	14,582.30	7,806.94	138.10	140.56	-77.32	-7,623.47	1,998.38	1,189.37	918.01	271.36	4.383		
14,700.00	8,067.96	14,682.30	7,806.93	139.82	142.25	-77.32	-7,723.47	1,998.98	1,189.37	914.62	274.75	4.329		
14,800.00	8,067.96	14,782.30	7,806.93	141.55	143.93	-77.32	-7,823.46	1,999.58	1,189.37	911.23	278.14	4.276		
14,900.00	8,067.96	14,882.30	7,806.93	143.28	145.62	-77.32	-7,923.46	2,000.18	1,189.37	907.84	281.53	4.225		
15,000.00	8,067.96	14,982.30	7,806.93	145.00	147.31	-77.32	-8,023.46	2,000.78	1,189.37	904.44	284.93	4.174		
15,100.00	8,067.96	15,082.30	7,806.93	146.73	149.00	-77.32	-8,123.46	2,001.38	1,189.37	901.05	288.33	4.125		
15,200.00	8,067.96	15,182.30	7,806.93	148.46	150.70	-77.32	-8,223.46	2,001.98	1,189.37	897.65	291.72	4.077		
15,300.00	8,067.96	15,282.30	7,806.93	150.19	152.39	-77.32	-8,323.46	2,002.58	1,189.37	894.25	295.12	4.030		
15,400.00	8,067.96	15,382.30	7,806.93	151.93	154.09	-77.32	-8,423.45	2,003.18	1,189.38	890.85	298.53	3.984		
15,500.00	8,067.96	15,482.30	7,806.93	153.66	155.79	-77.32	-8,523.45	2,003.78	1,189.38	887.45	301.93	3.939		
15,600.00	8,067.96	15,582.30	7,806.93	155.39	157.49	-77.32	-8,623.45	2,004.38	1,189.38	884.04	305.34	3.895		
15,700.00	8,067.97	15,682.30	7,806.92	157.13	159.19	-77.32	-8,723.45	2,004.97	1,189.38	880.63	308.74	3.852		
15,800.00	8,067.97	15,782.30	7,806.92	158.86	160.90	-77.32	-8,823.45	2,005.57	1,189.38	877.22	312.15	3.810		
15,900.00	8,067.97	15,882.30	7,806.92	160.60	162.60	-77.32	-8,923.45	2,006.17	1,189.38	873.81	315.56	3.769		
16,000.00	8,067.97	15,982.30	7,806.92	162.34	164.31	-77.32	-9,023.44	2,006.77	1,189.38	870.40	318.97	3.729		
16,100.00	8,067.97	16,082.30	7,806.92	164.08	166.02	-77.32	-9,123.44	2,007.37	1,189.38	866.99	322.39	3.689		
16,200.00	8,067.97	16,182.30	7,806.92	165.81	167.73	-77.32	-9,223.44	2,007.97	1,189.38	863.57	325.80	3.651		
16,300.00	8,067.97	16,282.30	7,806.92	167.55	169.44	-77.32	-9,323.44	2,008.57	1,189.38	860.16	329.22	3.613		
16,400.00	8,067.97	16,382.30	7,806.92	169.29	171.15	-77.32	-9,423.44	2,009.17	1,189.38	856.74	332.63	3.576		
16,500.00	8,067.97	16,482.30	7,806.92	171.04	172.86	-77.32	-9,523.43	2,009.77	1,189.38	853.32	336.05	3.539		
16,600.00	8,067.98	16,582.30	7,806.91	172.78	174.58	-77.32	-9,623.43	2,010.37	1,189.37	849.90	339.47	3.504		
16,700.00	8,067.98	16,682.30	7,806.91	174.52	176.29	-77.32	-9,723.43	2,010.97	1,189.37	846.48	342.89	3.469		
16,800.00	8,067.98	16,782.30	7,806.91	176.26	178.01	-77.32	-9,823.43	2,011.57	1,189.37	843.06	346.31	3.434		
16,900.00	8,067.98	16,882.30	7,806.91	178.01	179.73	-77.32	-9,923.43	2,012.16	1,189.37	839.64	349.74	3.401		
17,000.00	8,067.98	16,982.30	7,806.91	179.75	181.45	-77.32	-10,023.43	2,012.76	1,189.37	836.21	353.16	3.368		
17,100.00	8,067.98	17,082.30	7,806.91	181.49	183.17	-77.32	-10,123.42	2,013.36	1,189.37	832.79	356.59	3.335		
17,200.00	8,067.98	17,182.30	7,806.91	183.24	184.89	-77.32	-10,223.42	2,013.96	1,189.37	829.36	360.01	3.304		
17,300.00	8,067.99	17,282.30	7,806.91	184.99	186.61	-77.32	-10,323.42	2,014.56	1,189.37	825.93	363.44	3.273		
17,400.00	8,067.99	17,382.30	7,806.91	186.73	188.34	-77.32	-10,423.42	2,015.16	1,189.37	822.50	366.87	3.242		
17,500.00	8,067.99	17,482.30	7,806.91	188.48	190.06	-77.32	-10,523.42	2,015.76	1,189.37	819.07	370.30	3.212		
17,600.00	8,067.99	17,582.30	7,806.90	190.23	191.78	-77.32	-10,623.41	2,016.36	1,189.37	815.64	373.72	3.182		
17,700.00	8,067.99	17,682.30	7,806.90	191.97	193.51	-77.32	-10,723.41	2,016.96	1,189.36	812.21	377.16	3.154		
17,800.00	8,067.99	17,782.30	7,806.90	193.72	195.24	-77.32	-10,823.41	2,017.56	1,189.36	808.78	380.59	3.125		
17,900.00	8,068.00	17,882.30	7,806.90	195.47	196.97	-77.32	-10,923.41	2,018.16	1,189.36	805.34	384.02	3.097		
18,000.00	8,068.00	17,982.30	7,806.90	197.22	198.69	-77.32	-11,023.41	2,018.76	1,189.36	801.91	387.45	3.070		
18,100.00	8,068.00	18,082.30	7,806.90	198.97	200.42	-77.32	-11,123.41	2,019.35	1,189.36	798.47	390.89	3.043		
18,114.09	8,068.00	24,226.84	7,806.89	199.22	307.29	-77.32	-11,133.80	2,019.39	1,189.34	692.62	496.72	2.394 SF		
18,184.63	8,068.00	18,163.23	7,806.98	200.45	201.82	-77.32	-11,204.33	2,020.06	1,189.56	795.70	393.86	3.020		
18,185.16	8,068.00	18,163.75	7,806.98	200.47	201.83	-77.32	-11,204.86	2,020.07	1,189.56	795.69	393.87	3.020		



# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
0.00	0.00	0.00	0.00	0.00	0.00	-33.14	3,179.38	-2,075.91	3,797.08					
100.00	100.00	100.00	100.00	0.13	1.20	-33.14	3,179.38	-2,075.91	3,797.08	3,795.75	1.33	2,849.276		
200.00	200.00	200.00	200.00	0.49	3.49	-33.14	3,179.38	-2,075.91	3,797.08	3,793.10	3.98	953.856		
300.00	300.00	300.00	300.00	0.85	5.57	-33.14	3,179.38	-2,075.91	3,797.08	3,790.67	6.42	591.671		
400.00	400.00	400.00	400.00	1.21	7.61	-33.14	3,179.38	-2,075.91	3,797.08	3,788.27	8.82	430.595		
500.00	500.00	500.00	500.00	1.57	9.64	-33.14	3,179.38	-2,075.91	3,797.08	3,785.88	11.21	338.851		
600.00	600.00	600.00	600.00	1.93	11.66	-33.14	3,179.38	-2,075.91	3,797.08	3,783.50	13.59	279.465		
700.00	700.00	700.00	700.00	2.29	13.68	-33.14	3,179.38	-2,075.91	3,797.08	3,781.12	15.96	237.842		
800.00	800.00	800.00	800.00	2.64	15.70	-33.14	3,179.38	-2,075.91	3,797.08	3,778.74	18.34	207.034		
900.00	900.00	900.00	900.00	3.00	17.71	-33.14	3,179.38	-2,075.91	3,797.08	3,776.37	20.71	183.305		
1,000.00	1,000.00	1,000.00	1,000.00	3.36	19.73	-33.14	3,179.38	-2,075.91	3,797.08	3,774.00	23.09	164.463		
1,100.00	1,100.00	1,100.00	1,100.00	3.72	21.74	-33.14	3,179.38	-2,075.91	3,797.08	3,771.62	25.46	149.137		
1,200.00	1,200.00	1,200.00	1,200.00	4.08	23.75	-33.14	3,179.38	-2,075.91	3,797.08	3,769.25	27.83	136.427 CC		
1,300.00	1,299.98	1,300.02	1,299.98	4.42	25.77	-174.29	3,179.38	-2,075.91	3,798.82	3,768.63	30.19	125.836 ES		
1,400.00	1,399.84	1,400.16	1,399.84	4.75	27.78	-174.29	3,179.38	-2,075.91	3,804.03	3,771.49	32.54	116.918		
1,500.00	1,499.45	1,500.55	1,499.45	5.09	29.80	-174.28	3,179.38	-2,075.91	3,812.70	3,777.81	34.89	109.271		
1,600.00	1,598.70	1,601.30	1,598.70	5.44	31.83	-174.28	3,179.38	-2,075.91	3,824.83	3,787.57	37.26	102.656		
1,700.00	1,697.47	1,702.53	1,697.47	5.81	33.87	-174.27	3,179.38	-2,075.91	3,840.39	3,800.76	39.64	96.887		
1,800.00	1,795.62	1,804.38	1,795.62	6.19	35.92	-174.26	3,179.38	-2,075.91	3,859.38	3,817.35	42.03	91.821		
1,846.33	1,840.86	1,840.86	1,840.86	6.38	36.65	-174.25	3,179.38	-2,075.91	3,869.33	3,826.41	42.93	90.136		
1,900.00	1,893.17	1,906.83	1,893.17	6.60	37.98	-174.27	3,179.38	-2,075.91	3,881.28	3,836.84	44.44	87.338		
2,000.00	1,990.64	2,009.36	1,990.64	7.02	40.04	-174.30	3,179.38	-2,075.91	3,903.55	3,856.70	46.85	83.324		
2,100.00	2,088.10	2,088.10	2,088.10	7.46	41.63	-174.34	3,179.38	-2,075.91	3,925.81	3,877.03	48.78	80.478		
2,200.00	2,185.57	2,185.57	2,185.57	7.91	43.59	-174.37	3,179.38	-2,075.91	3,948.08	3,896.98	51.09	77.270		
2,300.00	2,283.03	2,283.03	2,283.03	8.37	45.55	-174.40	3,179.38	-2,075.91	3,970.35	3,916.94	53.41	74.336		
2,400.00	2,380.50	2,380.50	2,380.50	8.84	47.51	-174.43	3,179.38	-2,075.91	3,992.62	3,936.89	55.73	71.643		
2,500.00	2,477.97	2,477.97	2,477.97	9.32	49.47	-174.46	3,179.38	-2,075.91	4,014.89	3,956.84	58.05	69.162		
2,600.00	2,575.43	2,575.43	2,575.43	9.80	51.43	-174.49	3,179.38	-2,075.91	4,037.16	3,976.79	60.37	66.870		
2,700.00	2,672.90	2,672.90	2,672.90	10.28	53.39	-174.52	3,179.38	-2,075.91	4,059.43	3,996.73	62.70	64.746		
2,800.00	2,770.36	2,770.36	2,770.36	10.77	55.35	-174.55	3,179.38	-2,075.91	4,081.71	4,016.68	65.02	62.772		
2,900.00	2,867.83	2,867.83	2,867.83	11.26	57.31	-174.58	3,179.38	-2,075.91	4,103.98	4,036.63	67.35	60.934		
3,000.00	2,965.29	2,965.29	2,965.29	11.76	59.27	-174.61	3,179.38	-2,075.91	4,126.26	4,056.58	69.68	59.217		
3,100.00	3,062.76	3,062.76	3,062.76	12.26	61.23	-174.64	3,179.38	-2,075.91	4,148.53	4,076.52	72.01	57.611		
3,200.00	3,160.23	3,160.23	3,160.23	12.76	63.19	-174.67	3,179.38	-2,075.91	4,170.81	4,096.47	74.34	56.104		
3,300.00	3,257.69	3,257.69	3,257.69	13.27	65.15	-174.70	3,179.38	-2,075.91	4,193.09	4,116.42	76.67	54.689		
3,400.00	3,355.16	3,355.16	3,355.16	13.77	67.11	-174.73	3,179.38	-2,075.91	4,215.37	4,136.37	79.00	53.356		
3,500.00	3,452.62	3,452.62	3,452.62	14.28	69.07	-174.75	3,179.38	-2,075.91	4,237.65	4,156.31	81.34	52.100		
3,600.00	3,550.09	3,550.09	3,550.09	14.79	71.03	-174.78	3,179.38	-2,075.91	4,259.93	4,176.26	83.67	50.913		
3,700.00	3,647.55	3,647.55	3,647.55	15.30	72.99	-174.81	3,179.38	-2,075.91	4,282.22	4,196.21	86.01	49.790		
3,800.00	3,745.02	3,745.02	3,745.02	15.81	74.95	-174.83	3,179.38	-2,075.91	4,304.50	4,216.16	88.34	48.726		
3,900.00	3,842.49	3,842.49	3,842.49	16.32	76.91	-174.86	3,179.38	-2,075.91	4,326.78	4,236.11	90.68	47.717		
4,000.00	3,939.95	3,939.95	3,939.95	16.84	78.87	-174.89	3,179.38	-2,075.91	4,349.07	4,256.06	93.01	46.758		
4,100.00	4,037.42	4,037.42	4,037.42	17.35	80.83	-174.91	3,179.38	-2,075.91	4,371.36	4,276.01	95.35	45.846		
4,200.00	4,134.88	4,134.88	4,134.88	17.87	82.79	-174.94	3,179.38	-2,075.91	4,393.64	4,295.96	97.69	44.978		
4,300.00	4,232.35	4,232.35	4,232.35	18.39	84.75	-174.97	3,179.38	-2,075.91	4,415.93	4,315.91	100.02	44.150		
4,400.00	4,329.81	4,329.81	4,329.81	18.90	86.71	-174.99	3,179.38	-2,075.91	4,438.22	4,335.86	102.36	43.359		
4,500.00	4,427.28	4,427.28	4,427.28	19.42	88.67	-175.02	3,179.38	-2,075.91	4,460.51	4,355.81	104.70	42.604		
4,600.00	4,524.75	4,524.75	4,524.75	19.94	90.63	-175.04	3,179.38	-2,075.91	4,482.80	4,375.76	107.04	41.881		
4,700.00	4,622.21	4,622.21	4,622.21	20.46	92.59	-175.07	3,179.38	-2,075.91	4,505.09	4,395.72	109.37	41.190		
4,800.00	4,719.68	4,719.68	4,719.68	20.98	94.55	-175.09	3,179.38	-2,075.91	4,527.38	4,415.67	111.71	40.527		
4,900.00	4,817.14	4,817.14	4,817.14	21.50	96.51	-175.11	3,179.38	-2,075.91	4,549.68	4,435.62	114.05	39.891		
5,000.00	4,914.61	4,914.61	4,914.61	22.02	98.47	-175.14	3,179.38	-2,075.91	4,571.97	4,455.58	116.39	39.281		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
5,100.00	5,012.07	5,012.07	5,012.07	22.54	100.43	-175.16	3,179.38	-2,075.91	4,594.26	4,475.53	118.73	38.695		
5,200.00	5,109.54	5,109.54	5,109.54	23.06	102.39	-175.18	3,179.38	-2,075.91	4,616.56	4,495.49	121.07	38.131		
5,300.00	5,207.01	5,207.01	5,207.01	23.59	104.35	-175.21	3,179.38	-2,075.91	4,638.85	4,515.44	123.41	37.589		
5,400.00	5,304.47	5,304.47	5,304.47	24.11	106.31	-175.23	3,179.38	-2,075.91	4,661.15	4,535.40	125.75	37.066		
5,500.00	5,401.94	5,401.94	5,401.94	24.63	108.27	-175.25	3,179.38	-2,075.91	4,683.45	4,555.36	128.09	36.563		
5,600.00	5,499.40	5,500.60	5,499.40	25.16	110.26	-175.28	3,179.38	-2,075.91	4,705.75	4,575.29	130.46	36.071		
5,700.00	5,596.87	5,603.13	5,596.87	25.68	112.32	-175.30	3,179.38	-2,075.91	4,728.04	4,595.15	132.90	35.576		
5,800.00	5,694.33	5,705.67	5,694.33	26.20	114.38	-175.32	3,179.38	-2,075.91	4,750.34	4,615.00	135.34	35.099		
5,900.00	5,791.80	5,808.20	5,791.80	26.73	116.44	-175.34	3,179.38	-2,075.91	4,772.64	4,634.86	137.78	34.638		
6,000.00	5,889.27	5,889.27	5,889.27	27.25	118.08	-175.36	3,179.38	-2,075.91	4,794.94	4,655.15	139.80	34.300		
6,100.00	5,986.73	5,986.73	5,986.73	27.78	120.04	-175.39	3,179.38	-2,075.91	4,817.24	4,675.11	142.14	33.891		
6,200.00	6,084.20	6,084.20	6,084.20	28.30	122.00	-175.41	3,179.38	-2,075.91	4,839.55	4,695.07	144.48	33.496		
6,300.00	6,181.66	6,181.66	6,181.66	28.82	123.96	-175.43	3,179.38	-2,075.91	4,861.85	4,715.03	146.82	33.114		
6,400.00	6,279.13	6,279.13	6,279.13	29.35	125.92	-175.45	3,179.38	-2,075.91	4,884.15	4,734.99	149.16	32.744		
6,500.00	6,376.59	6,376.59	6,376.59	29.88	127.88	-175.47	3,179.38	-2,075.91	4,906.46	4,754.95	151.51	32.385		
6,600.00	6,474.06	6,474.06	6,474.06	30.40	129.84	-175.49	3,179.38	-2,075.91	4,928.76	4,774.91	153.85	32.037		
6,700.00	6,571.53	6,571.53	6,571.53	30.93	131.80	-175.51	3,179.38	-2,075.91	4,951.07	4,794.88	156.19	31.699		
6,800.00	6,668.99	6,668.99	6,668.99	31.45	133.76	-175.53	3,179.38	-2,075.91	4,973.37	4,814.84	158.53	31.371		
6,887.36	6,754.14	6,754.14	6,754.14	31.91	135.47	-175.55	3,179.38	-2,075.91	4,992.86	4,832.28	160.58	31.093		
6,900.00	6,766.46	6,766.46	6,766.46	31.98	135.72	-175.56	3,179.38	-2,075.91	4,995.65	4,834.77	160.87	31.053		
7,000.00	6,864.39	6,864.39	6,864.39	32.48	137.69	-175.60	3,179.38	-2,075.91	5,015.82	4,852.60	163.22	30.730		
7,100.00	6,962.96	6,962.96	6,962.96	32.94	139.67	-175.65	3,179.38	-2,075.91	5,032.58	4,867.00	165.58	30.394		
7,200.00	7,062.06	7,062.06	7,062.06	33.36	141.66	-175.68	3,179.38	-2,075.91	5,045.90	4,877.96	167.93	30.047		
7,300.00	7,161.57	7,161.57	7,161.57	33.74	143.66	-175.70	3,179.38	-2,075.91	5,055.75	4,885.46	170.29	29.689		
7,400.00	7,261.36	7,261.36	7,261.36	34.08	145.67	-175.72	3,179.38	-2,075.91	5,062.14	4,889.49	172.65	29.320		
7,500.00	7,361.31	7,361.31	7,361.31	34.39	147.68	-175.72	3,179.38	-2,075.91	5,065.06	4,890.06	175.00	28.943		
7,533.69	7,395.00	7,405.00	7,395.00	34.48	148.56	-34.57	3,179.38	-2,075.91	5,065.25	4,889.27	175.99	28.782		
7,600.00	7,461.31	7,461.31	7,461.31	34.65	149.69	-34.57	3,179.38	-2,075.91	5,065.25	4,887.93	177.33	28.565		
7,633.69	7,495.00	7,505.00	7,495.00	34.73	150.57	-34.57	3,179.38	-2,075.91	5,065.25	4,886.94	178.31	28.407		
7,650.00	7,511.31	7,511.31	7,511.31	34.78	150.69	145.76	3,179.38	-2,075.91	5,065.45	4,886.96	178.49	28.380		
7,700.00	7,561.16	7,561.16	7,561.16	34.94	151.70	145.61	3,179.38	-2,075.91	5,068.42	4,888.76	179.66	28.211		
7,750.00	7,610.51	7,610.51	7,610.51	35.14	152.69	145.29	3,179.38	-2,075.91	5,074.98	4,894.15	180.83	28.064		
7,800.00	7,658.98	7,658.98	7,658.98	35.37	153.66	144.77	3,179.38	-2,075.91	5,085.08	4,903.09	181.99	27.941		
7,850.00	7,706.21	7,706.21	7,706.21	35.64	154.61	144.06	3,179.38	-2,075.91	5,098.66	4,915.53	183.13	27.842		
7,900.00	7,751.82	7,751.82	7,751.82	35.93	155.53	143.12	3,179.38	-2,075.91	5,115.62	4,931.39	184.23	27.768		
7,950.00	7,795.49	7,804.51	7,795.49	36.26	156.59	141.93	3,179.38	-2,075.91	5,135.84	4,950.37	185.47	27.691 SF		
8,000.00	7,836.86	7,836.86	7,836.86	36.62	157.24	140.46	3,179.38	-2,075.91	5,159.19	4,972.90	186.30	27.693		
8,050.00	7,875.64	7,875.64	7,875.64	37.00	158.02	138.65	3,179.38	-2,075.91	5,185.52	4,998.27	187.25	27.693		
8,100.00	7,911.52	7,911.52	7,911.52	37.42	158.74	136.46	3,179.38	-2,075.91	5,214.63	5,026.50	188.13	27.718		
8,150.00	7,944.22	7,944.22	7,944.22	37.86	159.40	133.82	3,179.38	-2,075.91	5,246.32	5,057.38	188.94	27.767		
8,200.00	7,973.51	7,973.51	7,973.51	38.32	159.99	130.63	3,179.38	-2,075.91	5,280.38	5,090.71	189.67	27.840		
8,250.00	7,999.16	8,000.84	7,999.16	38.81	160.54	126.82	3,179.38	-2,075.91	5,316.54	5,126.20	190.34	27.931		
8,300.00	8,020.98	8,020.98	8,020.98	39.31	160.94	122.26	3,179.38	-2,075.91	5,354.57	5,163.71	190.86	28.055		
8,350.00	8,038.79	8,038.79	8,038.79	39.84	161.30	116.87	3,179.38	-2,075.91	5,394.16	5,202.85	191.31	28.196		
8,400.00	8,052.46	8,052.46	8,052.46	40.38	161.58	110.59	3,179.38	-2,075.91	5,435.05	5,243.38	191.67	28.357		
8,450.00	8,061.89	8,061.89	8,061.89	40.93	161.77	103.45	3,179.38	-2,075.91	5,476.90	5,284.98	191.92	28.537		
8,500.00	8,067.01	8,067.01	8,067.01	41.49	161.87	95.58	3,179.38	-2,075.91	5,519.43	5,327.35	192.07	28.736		
8,533.77	8,068.00	8,068.00	8,068.00	41.88	161.89	90.00	3,179.38	-2,075.91	5,548.36	5,356.24	192.12	28.880		
8,600.00	8,068.00	8,068.00	8,068.00	42.64	161.89	90.00	3,179.38	-2,075.91	5,605.29	5,413.13	192.16	29.169		
8,700.00	8,068.00	8,068.00	8,068.00	43.82	161.89	90.00	3,179.38	-2,075.91	5,691.63	5,499.39	192.24	29.607		
8,800.00	8,068.00	8,068.00	8,068.00	45.04	161.89	90.00	3,179.38	-2,075.91	5,778.41	5,586.08	192.33	30.044		
8,900.00	8,067.99	8,067.99	8,067.99	46.30	161.89	90.00	3,179.38	-2,075.91	5,865.61	5,673.18	192.43	30.482		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 0-INC												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,000.00	8,067.99	8,067.99	8,067.99	47.59	161.89	90.00	3,179.38	-2,075.91	5,953.22	5,760.68	192.53	30.920	
9,100.00	8,067.99	8,067.99	8,067.99	48.91	161.89	90.00	3,179.38	-2,075.91	6,041.21	5,848.56	192.65	31.359	
9,200.00	8,067.99	8,067.99	8,067.99	50.26	161.89	90.00	3,179.38	-2,075.91	6,129.56	5,936.79	192.77	31.797	
9,300.00	8,067.99	8,067.99	8,067.99	51.63	161.89	90.00	3,179.38	-2,075.91	6,218.27	6,025.38	192.90	32.236	
9,400.00	8,067.99	8,067.99	8,067.99	53.03	161.89	90.00	3,179.38	-2,075.91	6,307.32	6,114.29	193.03	32.676	
9,500.00	8,067.98	8,067.98	8,067.98	54.44	161.89	90.00	3,179.38	-2,075.91	6,396.69	6,203.53	193.17	33.115	
9,600.00	8,067.98	8,067.98	8,067.98	55.88	161.89	90.00	3,179.38	-2,075.91	6,486.38	6,293.07	193.31	33.555	
9,700.00	8,067.98	8,067.98	8,067.98	57.34	161.89	90.00	3,179.38	-2,075.91	6,576.36	6,382.91	193.45	33.995	
9,800.00	8,067.98	8,067.98	8,067.98	58.81	161.89	90.00	3,179.38	-2,075.91	6,666.62	6,473.02	193.60	34.435	
9,900.00	8,067.98	8,067.98	8,067.98	60.31	161.89	90.00	3,179.38	-2,075.91	6,757.16	6,563.41	193.75	34.876	
10,000.00	8,067.98	8,067.98	8,067.98	61.81	161.89	90.00	3,179.38	-2,075.91	6,847.96	6,654.06	193.90	35.317	
10,100.00	8,067.98	8,067.98	8,067.98	63.33	161.89	90.00	3,179.38	-2,075.91	6,939.02	6,744.96	194.06	35.758	
10,200.00	8,067.97	8,067.97	8,067.97	64.86	161.89	90.00	3,179.38	-2,075.91	7,030.32	6,836.11	194.21	36.199	
10,300.00	8,067.97	8,067.97	8,067.97	66.41	161.89	90.00	3,179.38	-2,075.91	7,121.85	6,927.48	194.37	36.641	
10,400.00	8,067.97	8,067.97	8,067.97	67.96	161.89	90.00	3,179.38	-2,075.91	7,213.61	7,019.08	194.53	37.082	
10,500.00	8,067.97	8,067.97	8,067.97	69.53	161.89	90.00	3,179.38	-2,075.91	7,305.58	7,110.90	194.69	37.524	
10,600.00	8,067.97	8,067.97	8,067.97	71.10	161.89	90.00	3,179.38	-2,075.91	7,397.77	7,202.92	194.85	37.967	
10,700.00	8,067.97	8,067.97	8,067.97	72.69	161.89	90.00	3,179.38	-2,075.91	7,490.15	7,295.14	195.01	38.409	
10,800.00	8,067.97	8,067.97	8,067.97	74.28	161.89	90.00	3,179.38	-2,075.91	7,582.73	7,387.55	195.17	38.852	
10,900.00	8,067.97	8,067.97	8,067.97	75.88	161.89	90.00	3,179.38	-2,075.91	7,675.49	7,480.16	195.33	39.295	
11,000.00	8,067.97	8,067.97	8,067.97	77.49	161.89	90.00	3,179.38	-2,075.91	7,768.43	7,572.94	195.49	39.738	
11,100.00	8,067.97	8,067.97	8,067.97	79.10	161.89	90.00	3,179.38	-2,075.91	7,861.55	7,665.89	195.65	40.181	
11,200.00	8,067.96	8,067.96	8,067.96	80.73	161.89	90.00	3,179.38	-2,075.91	7,954.83	7,759.01	195.81	40.624	
11,300.00	8,067.96	8,067.96	8,067.96	82.35	161.89	90.00	3,179.38	-2,075.91	8,048.27	7,852.30	195.97	41.068	
11,400.00	8,067.96	8,067.96	8,067.96	83.99	161.89	90.00	3,179.38	-2,075.91	8,141.87	7,945.74	196.13	41.512	
11,500.00	8,067.96	8,067.96	8,067.96	85.63	161.89	90.00	3,179.38	-2,075.91	8,235.62	8,039.33	196.29	41.956	
11,600.00	8,067.96	8,067.96	8,067.96	87.27	161.89	90.00	3,179.38	-2,075.91	8,329.52	8,133.06	196.45	42.400	
11,700.00	8,067.96	8,067.96	8,067.96	88.92	161.89	90.00	3,179.38	-2,075.91	8,423.55	8,226.94	196.61	42.844	
11,800.00	8,067.96	8,067.96	8,067.96	90.58	161.89	90.00	3,179.38	-2,075.91	8,517.73	8,320.96	196.77	43.288	
11,900.00	8,067.96	8,067.96	8,067.96	92.23	161.89	90.00	3,179.38	-2,075.91	8,612.03	8,415.10	196.93	43.732	
12,000.00	8,067.96	8,067.96	8,067.96	93.90	161.89	90.00	3,179.38	-2,075.91	8,706.46	8,509.38	197.08	44.177	
12,100.00	8,067.96	8,067.96	8,067.96	95.56	161.89	90.00	3,179.38	-2,075.91	8,801.01	8,603.77	197.24	44.621	
12,200.00	8,067.96	8,067.96	8,067.96	97.23	161.89	90.00	3,179.38	-2,075.91	8,895.69	8,698.29	197.39	45.066	
12,300.00	8,067.96	8,067.96	8,067.96	98.91	161.89	90.00	3,179.38	-2,075.91	8,990.47	8,792.93	197.55	45.510	
12,400.00	8,067.96	8,067.96	8,067.96	100.59	161.89	90.00	3,179.38	-2,075.91	9,085.37	8,887.67	197.70	45.955	
12,500.00	8,067.96	8,067.96	8,067.96	102.27	161.89	90.00	3,179.38	-2,075.91	9,180.38	8,982.53	197.85	46.400	
12,600.00	8,067.96	8,067.96	8,067.96	103.95	161.89	90.00	3,179.38	-2,075.91	9,275.50	9,077.49	198.01	46.845	
12,700.00	8,067.96	8,067.96	8,067.96	105.64	161.89	90.00	3,179.38	-2,075.91	9,370.71	9,172.55	198.16	47.290	
12,800.00	8,067.96	8,067.96	8,067.96	107.33	161.89	90.00	3,179.38	-2,075.91	9,466.02	9,267.72	198.31	47.734	
12,900.00	8,067.96	8,067.96	8,067.96	109.02	161.89	90.00	3,179.38	-2,075.91	9,561.43	9,362.98	198.46	48.179	
13,000.00	8,067.96	8,067.96	8,067.96	110.71	161.89	90.00	3,179.38	-2,075.91	9,656.94	9,458.33	198.60	48.624	
13,100.00	8,067.96	8,067.96	8,067.96	112.41	161.89	90.00	3,179.38	-2,075.91	9,752.53	9,553.78	198.75	49.069	
13,200.00	8,067.96	8,067.96	8,067.96	114.11	161.89	90.00	3,179.38	-2,075.91	9,848.21	9,649.31	198.90	49.514	
13,300.00	8,067.96	8,067.96	8,067.96	115.81	161.89	90.00	3,179.38	-2,075.91	9,943.97	9,744.93	199.04	49.959	

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
0.00	0.00	19.00	19.00	0.00	0.21	15.93	881.09	251.56	916.30					
100.00	100.00	119.00	119.00	0.13	1.56	15.93	881.09	251.56	916.30	914.60	1.69	541.794		
200.00	200.00	219.00	219.00	0.49	3.82	15.93	881.09	251.56	916.30	911.98	4.31	212.398		
300.00	300.00	319.00	319.00	0.85	5.89	15.93	881.09	251.56	916.30	909.55	6.75	135.846		
400.00	400.00	419.00	419.00	1.21	7.93	15.93	881.09	251.56	916.30	907.15	9.14	100.212		
500.00	500.00	519.00	519.00	1.57	9.96	15.93	881.09	251.56	916.30	904.77	11.53	79.471		
600.00	600.00	619.00	619.00	1.93	11.98	15.93	881.09	251.56	916.30	902.39	13.91	65.871		
700.00	700.00	719.00	719.00	2.29	14.00	15.93	881.09	251.56	916.30	900.01	16.29	56.256		
800.00	800.00	819.00	819.00	2.64	16.02	15.93	881.09	251.56	916.30	897.63	18.66	49.096		
900.00	900.00	919.00	919.00	3.00	18.04	15.93	881.09	251.56	916.30	895.26	21.04	43.556		
1,000.00	1,000.00	1,019.00	1,019.00	3.36	20.05	15.93	881.09	251.56	916.30	892.89	23.41	39.141		
1,100.00	1,100.00	1,119.00	1,119.00	3.72	22.06	15.93	881.09	251.56	916.30	890.51	25.78	35.539		
1,200.00	1,200.00	1,219.00	1,219.00	4.08	24.08	15.93	881.09	251.56	916.30	888.14	28.15	32.545 CC		
1,300.00	1,299.98	1,318.98	1,318.98	4.42	26.09	-125.29	881.09	251.56	917.30	886.79	30.51	30.065 ES		
1,400.00	1,399.84	1,418.84	1,418.84	4.75	28.10	-125.50	881.09	251.56	920.34	887.48	32.85	28.014		
1,500.00	1,499.45	1,518.45	1,518.45	5.09	30.10	-125.86	881.09	251.56	925.43	890.24	35.20	26.294		
1,600.00	1,598.70	1,617.70	1,617.70	5.44	32.10	-126.34	881.09	251.56	932.65	895.11	37.54	24.844		
1,700.00	1,697.47	1,716.47	1,716.47	5.81	34.09	-126.95	881.09	251.56	942.06	902.18	39.89	23.619		
1,800.00	1,795.62	1,814.62	1,814.62	6.19	36.06	-127.67	881.09	251.56	953.77	911.54	42.23	22.585		
1,846.33	1,840.86	1,859.86	1,859.86	6.38	36.97	-128.04	881.09	251.56	959.99	916.68	43.32	22.162		
1,900.00	1,893.17	1,912.17	1,912.17	6.60	38.03	-128.59	881.09	251.56	967.55	922.98	44.58	21.706		
2,000.00	1,990.64	2,009.64	2,009.64	7.02	39.99	-129.60	881.09	251.56	981.88	934.95	46.93	20.924		
2,100.00	2,088.10	2,107.10	2,107.10	7.46	41.95	-130.57	881.09	251.56	996.50	947.22	49.28	20.219		
2,200.00	2,185.57	2,204.57	2,204.57	7.91	43.91	-131.52	881.09	251.56	1,011.40	959.76	51.65	19.583		
2,300.00	2,283.03	2,302.03	2,302.03	8.37	45.87	-132.44	881.09	251.56	1,026.58	972.57	54.01	19.007		
2,400.00	2,380.50	2,400.50	2,399.50	8.84	47.85	-133.34	881.09	251.56	1,042.02	985.62	56.40	18.476		
2,500.00	2,477.97	2,503.04	2,496.97	9.32	49.91	-134.21	881.09	251.56	1,057.70	998.83	58.87	17.966		
2,600.00	2,575.43	2,605.57	2,594.43	9.80	51.97	-135.05	881.09	251.56	1,073.62	1,012.28	61.34	17.502		
2,700.00	2,672.90	2,708.10	2,691.90	10.28	54.04	-135.88	881.09	251.56	1,089.76	1,025.95	63.81	17.077		
2,800.00	2,770.36	2,789.36	2,789.36	10.77	55.67	-136.67	881.09	251.56	1,106.13	1,040.27	65.86	16.796		
2,900.00	2,867.83	2,886.83	2,886.83	11.26	57.63	-137.45	881.09	251.56	1,122.70	1,054.47	68.23	16.455		
3,000.00	2,965.29	2,984.29	2,984.29	11.76	59.59	-138.20	881.09	251.56	1,139.47	1,068.87	70.60	16.141		
3,100.00	3,062.76	3,081.76	3,081.76	12.26	61.55	-138.93	881.09	251.56	1,156.42	1,083.46	72.96	15.849		
3,200.00	3,160.23	3,179.23	3,179.23	12.76	63.51	-139.64	881.09	251.56	1,173.56	1,098.24	75.33	15.579		
3,300.00	3,257.69	3,276.69	3,276.69	13.27	65.47	-140.33	881.09	251.56	1,190.88	1,113.18	77.70	15.328		
3,400.00	3,355.16	3,374.16	3,374.16	13.77	67.43	-141.00	881.09	251.56	1,208.36	1,128.30	80.06	15.093		
3,500.00	3,452.62	3,471.62	3,471.62	14.28	69.39	-141.65	881.09	251.56	1,226.00	1,143.57	82.42	14.874		
3,600.00	3,550.09	3,569.09	3,569.09	14.79	71.35	-142.29	881.09	251.56	1,243.79	1,159.00	84.79	14.670		
3,700.00	3,647.55	3,666.55	3,666.55	15.30	73.31	-142.90	881.09	251.56	1,261.72	1,174.58	87.15	14.478		
3,800.00	3,745.02	3,764.02	3,764.02	15.81	75.27	-143.50	881.09	251.56	1,279.80	1,190.29	89.51	14.298		
3,900.00	3,842.49	3,861.49	3,861.49	16.32	77.23	-144.08	881.09	251.56	1,298.01	1,206.14	91.86	14.130		
4,000.00	3,939.95	3,958.95	3,958.95	16.84	79.19	-144.65	881.09	251.56	1,316.35	1,222.12	94.22	13.971		
4,100.00	4,037.42	4,056.42	4,056.42	17.35	81.15	-145.20	881.09	251.56	1,334.81	1,238.23	96.58	13.821		
4,200.00	4,134.88	4,153.88	4,153.88	17.87	83.12	-145.74	881.09	251.56	1,353.39	1,254.45	98.93	13.680		
4,300.00	4,232.35	4,251.35	4,251.35	18.39	85.08	-146.26	881.09	251.56	1,372.08	1,270.79	101.29	13.546		
4,400.00	4,329.81	4,348.81	4,348.81	18.90	87.04	-146.77	881.09	251.56	1,390.88	1,287.24	103.64	13.420		
4,500.00	4,427.28	4,446.28	4,446.28	19.42	89.00	-147.26	881.09	251.56	1,409.78	1,303.79	106.00	13.300		
4,600.00	4,524.75	4,543.75	4,543.75	19.94	90.96	-147.74	881.09	251.56	1,428.79	1,320.44	108.35	13.187		
4,700.00	4,622.21	4,641.21	4,641.21	20.46	92.92	-148.21	881.09	251.56	1,447.89	1,337.19	110.70	13.080		
4,800.00	4,719.68	4,738.68	4,738.68	20.98	94.88	-148.67	881.09	251.56	1,467.08	1,354.04	113.05	12.977		
4,900.00	4,817.14	4,836.14	4,836.14	21.50	96.84	-149.11	881.09	251.56	1,486.37	1,370.97	115.40	12.880		
5,000.00	4,914.61	4,933.61	4,933.61	22.02	98.80	-149.55	881.09	251.56	1,505.74	1,387.99	117.75	12.788		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
5,100.00	5,012.07	5,031.07	5,031.07	22.54	100.76	-149.97	881.09	251.56	1,525.19	1,405.09	120.09	12.700		
5,200.00	5,109.54	5,128.54	5,128.54	23.06	102.72	-150.38	881.09	251.56	1,544.71	1,422.27	122.44	12.616		
5,300.00	5,207.01	5,226.01	5,226.01	23.59	104.68	-150.79	881.09	251.56	1,564.32	1,439.53	124.79	12.536		
5,400.00	5,304.47	5,323.47	5,323.47	24.11	106.64	-151.18	881.09	251.56	1,584.00	1,456.86	127.14	12.459		
5,500.00	5,401.94	5,420.94	5,420.94	24.63	108.60	-151.56	881.09	251.56	1,603.75	1,474.27	129.48	12.386		
5,600.00	5,499.40	5,518.40	5,518.40	25.16	110.56	-151.94	881.09	251.56	1,623.57	1,491.74	131.83	12.316		
5,700.00	5,596.87	5,615.87	5,615.87	25.68	112.52	-152.30	881.09	251.56	1,643.45	1,509.28	134.17	12.249		
5,800.00	5,694.33	5,713.33	5,713.33	26.20	114.48	-152.66	881.09	251.56	1,663.39	1,526.88	136.52	12.185		
5,900.00	5,791.80	5,810.80	5,810.80	26.73	116.44	-153.00	881.09	251.56	1,683.40	1,544.54	138.86	12.123		
6,000.00	5,889.27	5,908.27	5,908.27	27.25	118.40	-153.34	881.09	251.56	1,703.47	1,562.26	141.20	12.064		
6,100.00	5,986.73	6,005.73	6,005.73	27.78	120.36	-153.68	881.09	251.56	1,723.59	1,580.04	143.55	12.007		
6,200.00	6,084.20	6,103.20	6,103.20	28.30	122.32	-154.00	881.09	251.56	1,743.77	1,597.88	145.89	11.953		
6,300.00	6,181.66	6,200.66	6,200.66	28.82	124.28	-154.32	881.09	251.56	1,764.00	1,615.76	148.23	11.900		
6,400.00	6,279.13	6,301.87	6,298.13	29.35	126.31	-154.63	881.09	251.56	1,784.28	1,633.63	150.65	11.844		
6,500.00	6,376.59	6,404.41	6,395.59	29.88	128.37	-154.93	881.09	251.56	1,804.61	1,651.51	153.09	11.788		
6,600.00	6,474.06	6,506.94	6,493.06	30.40	130.44	-155.23	881.09	251.56	1,824.99	1,669.45	155.54	11.733		
6,700.00	6,571.53	6,609.48	6,590.53	30.93	132.50	-155.52	881.09	251.56	1,845.41	1,687.43	157.98	11.681		
6,800.00	6,668.99	6,687.99	6,687.99	31.45	134.08	-155.80	881.09	251.56	1,865.88	1,705.94	159.94	11.666		
6,887.36	6,754.14	6,773.14	6,773.14	31.91	135.79	-156.04	881.09	251.56	1,883.80	1,721.81	161.99	11.629		
6,900.00	6,766.46	6,785.46	6,785.46	31.98	136.04	-156.10	881.09	251.56	1,886.37	1,724.09	162.28	11.624		
7,000.00	6,864.39	6,883.39	6,883.39	32.48	138.01	-156.50	881.09	251.56	1,904.96	1,740.33	164.63	11.571		
7,100.00	6,962.96	6,981.96	6,981.96	32.94	139.99	-156.82	881.09	251.56	1,920.42	1,753.44	166.98	11.501		
7,200.00	7,062.06	7,081.06	7,081.06	33.36	141.98	-157.07	881.09	251.56	1,932.72	1,763.39	169.33	11.414		
7,300.00	7,161.57	7,180.57	7,180.57	33.74	143.98	-157.26	881.09	251.56	1,941.84	1,770.16	171.68	11.311		
7,400.00	7,261.36	7,280.36	7,280.36	34.08	145.99	-157.37	881.09	251.56	1,947.75	1,773.73	174.02	11.193		
7,500.00	7,361.31	7,380.31	7,380.31	34.39	148.00	-157.43	881.09	251.56	1,950.45	1,774.09	176.36	11.059		
7,533.69	7,395.00	7,414.00	7,414.00	34.48	148.68	-16.28	881.09	251.56	1,950.63	1,773.49	177.14	11.012		
7,600.00	7,461.31	7,480.31	7,480.31	34.65	150.01	-16.28	881.09	251.56	1,950.63	1,771.96	178.68	10.917		
7,633.69	7,495.00	7,514.00	7,514.00	34.73	150.69	-16.28	881.09	251.56	1,950.63	1,771.17	179.46	10.870		
7,650.00	7,511.31	7,530.31	7,530.31	34.78	151.02	164.05	881.09	251.56	1,950.86	1,771.02	179.84	10.848		
7,700.00	7,561.16	7,580.16	7,580.16	34.94	152.02	163.99	881.09	251.56	1,954.32	1,773.31	181.00	10.797		
7,750.00	7,610.51	7,629.51	7,629.51	35.14	153.01	163.84	881.09	251.56	1,961.95	1,779.78	182.17	10.770		
7,800.00	7,658.98	7,677.98	7,677.98	35.37	153.99	163.60	881.09	251.56	1,973.69	1,790.37	183.32	10.766 SF		
7,850.00	7,706.21	7,725.21	7,725.21	35.64	154.94	163.26	881.09	251.56	1,989.46	1,805.01	184.44	10.786		
7,900.00	7,751.82	7,770.82	7,770.82	35.93	155.85	162.80	881.09	251.56	2,009.14	1,823.61	185.54	10.829		
7,950.00	7,795.49	7,814.49	7,814.49	36.26	156.73	162.21	881.09	251.56	2,032.60	1,846.02	186.58	10.894		
8,000.00	7,836.86	7,855.86	7,855.86	36.62	157.56	161.44	881.09	251.56	2,059.67	1,872.09	187.58	10.980		
8,050.00	7,875.64	7,905.36	7,894.64	37.00	158.56	160.46	881.09	251.56	2,090.14	1,901.41	188.73	11.075		
8,100.00	7,911.52	7,930.52	7,930.52	37.42	159.06	159.21	881.09	251.56	2,123.80	1,934.42	189.38	11.215		
8,150.00	7,944.22	7,963.22	7,963.22	37.86	159.72	157.59	881.09	251.56	2,160.39	1,970.23	190.16	11.361		
8,200.00	7,973.51	8,007.49	7,992.51	38.32	160.61	155.46	881.09	251.56	2,199.65	2,008.49	191.16	11.507		
8,250.00	7,999.16	8,018.16	8,018.16	38.81	160.83	152.61	881.09	251.56	2,241.29	2,049.81	191.48	11.705		
8,300.00	8,020.98	8,039.98	8,039.98	39.31	161.27	148.70	881.09	251.56	2,284.98	2,092.99	191.99	11.901		
8,350.00	8,038.79	8,057.79	8,057.79	39.84	161.62	143.15	881.09	251.56	2,330.41	2,138.00	192.41	12.112		
8,400.00	8,052.46	8,071.46	8,071.46	40.38	161.90	135.00	881.09	251.56	2,377.22	2,184.50	192.73	12.335		
8,450.00	8,061.89	8,080.89	8,080.89	40.93	162.09	122.74	881.09	251.56	2,425.07	2,232.13	192.94	12.569		
8,500.00	8,067.01	8,086.01	8,086.01	41.49	162.19	104.86	881.09	251.56	2,473.59	2,280.54	193.05	12.813		
8,533.77	8,068.00	8,087.00	8,087.00	41.88	162.21	90.00	881.09	251.56	2,506.55	2,313.48	193.07	12.983		
8,600.00	8,068.00	8,087.00	8,087.00	42.64	162.21	90.00	881.09	251.56	2,571.29	2,378.23	193.06	13.319		
8,700.00	8,068.00	8,087.00	8,087.00	43.82	162.21	89.99	881.09	251.56	2,669.17	2,476.13	193.04	13.827		
8,800.00	8,068.00	8,087.00	8,087.00	45.04	162.21	89.99	881.09	251.56	2,767.21	2,574.18	193.03	14.335		
8,900.00	8,067.99	8,086.99	8,086.99	46.30	162.21	89.99	881.09	251.56	2,865.38	2,672.36	193.03	14.845		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Sec 28-T1N-R68W - EXIST VERT DUMP UU 28-10 - 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										
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning					
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	(usft)	(usft)	(usft)	(usft)					
9,000.00	8,067.99	8,086.99	8,086.99	47.59	162.21	89.99	881.09	251.56	2,963.68	2,770.66	193.02	15.354					
9,100.00	8,067.99	8,086.99	8,086.99	48.91	162.21	89.99	881.09	251.56	3,062.08	2,869.06	193.02	15.864					
9,200.00	8,067.99	8,086.99	8,086.99	50.26	162.21	89.99	881.09	251.56	3,160.59	2,967.57	193.02	16.375					
9,300.00	8,067.99	8,086.99	8,086.99	51.63	162.21	89.99	881.09	251.56	3,259.19	3,066.16	193.02	16.885					
9,400.00	8,067.99	8,086.99	8,086.99	53.03	162.21	89.99	881.09	251.56	3,357.87	3,164.84	193.03	17.396					
9,500.00	8,067.98	8,086.98	8,086.98	54.44	162.21	89.99	881.09	251.56	3,456.62	3,263.59	193.03	17.907					
9,600.00	8,067.98	8,086.98	8,086.98	55.88	162.21	89.99	881.09	251.56	3,555.45	3,362.40	193.04	18.418					
9,700.00	8,067.98	8,086.98	8,086.98	57.34	162.21	89.99	881.09	251.56	3,654.33	3,461.28	193.05	18.929					
9,800.00	8,067.98	8,086.98	8,086.98	58.81	162.21	89.99	881.09	251.56	3,753.28	3,560.22	193.07	19.440					
9,900.00	8,067.98	8,086.98	8,086.98	60.31	162.21	89.99	881.09	251.56	3,852.29	3,659.20	193.08	19.952					
10,000.00	8,067.98	8,086.98	8,086.98	61.81	162.21	89.99	881.09	251.56	3,951.34	3,758.24	193.10	20.463					
10,100.00	8,067.98	8,086.98	8,086.98	63.33	162.21	89.99	881.09	251.56	4,050.44	3,857.32	193.11	20.974					
10,200.00	8,067.97	8,086.97	8,086.97	64.86	162.21	89.99	881.09	251.56	4,149.58	3,956.45	193.13	21.486					
10,300.00	8,067.97	8,086.97	8,086.97	66.41	162.21	89.99	881.09	251.56	4,248.76	4,055.61	193.15	21.997					
10,400.00	8,067.97	8,086.97	8,086.97	67.96	162.21	89.99	881.09	251.56	4,347.98	4,154.81	193.18	22.508					
10,500.00	8,067.97	8,086.97	8,086.97	69.53	162.21	89.99	881.09	251.56	4,447.24	4,254.04	193.20	23.019					
10,600.00	8,067.97	8,086.97	8,086.97	71.10	162.21	89.99	881.09	251.56	4,546.52	4,353.30	193.22	23.530					
10,700.00	8,067.97	8,086.97	8,086.97	72.69	162.21	89.99	881.09	251.56	4,645.84	4,452.59	193.25	24.041					
10,800.00	8,067.97	8,086.97	8,086.97	74.28	162.21	90.00	881.09	251.56	4,745.19	4,551.91	193.28	24.551					
10,900.00	8,067.97	8,086.97	8,086.97	75.88	162.21	90.00	881.09	251.56	4,844.56	4,651.26	193.30	25.062					
11,000.00	8,067.97	8,086.97	8,086.97	77.49	162.21	90.00	881.09	251.56	4,943.96	4,750.63	193.33	25.572					
11,100.00	8,067.97	8,086.97	8,086.97	79.10	162.21	90.00	881.09	251.56	5,043.39	4,850.02	193.37	26.082					
11,200.00	8,067.96	8,086.96	8,086.96	80.73	162.21	90.00	881.09	251.56	5,142.83	4,949.43	193.40	26.592					
11,300.00	8,067.96	8,086.96	8,086.96	82.35	162.21	90.00	881.09	251.56	5,242.30	5,048.87	193.43	27.102					
11,400.00	8,067.96	8,086.96	8,086.96	83.99	162.21	90.00	881.09	251.56	5,341.78	5,148.32	193.46	27.611					
11,500.00	8,067.96	8,086.96	8,086.96	85.63	162.21	90.00	881.09	251.56	5,441.29	5,247.79	193.50	28.120					
11,600.00	8,067.96	8,086.96	8,086.96	87.27	162.21	90.00	881.09	251.56	5,540.81	5,347.27	193.54	28.629					
11,700.00	8,067.96	8,086.96	8,086.96	88.92	162.21	90.00	881.09	251.56	5,640.35	5,446.78	193.57	29.138					
11,800.00	8,067.96	8,086.96	8,086.96	90.58	162.21	90.00	881.09	251.56	5,739.91	5,546.29	193.61	29.646					
11,900.00	8,067.96	8,086.96	8,086.96	92.23	162.21	90.00	881.09	251.56	5,839.48	5,645.83	193.65	30.154					
12,000.00	8,067.96	8,086.96	8,086.96	93.90	162.21	90.00	881.09	251.56	5,939.06	5,745.37	193.69	30.662					
12,100.00	8,067.96	8,086.96	8,086.96	95.56	162.21	90.00	881.09	251.56	6,038.66	5,844.93	193.73	31.170					
12,200.00	8,067.96	8,086.96	8,086.96	97.23	162.21	90.00	881.09	251.56	6,138.27	5,944.50	193.78	31.677					
12,300.00	8,067.96	8,086.96	8,086.96	98.91	162.21	90.00	881.09	251.56	6,237.90	6,044.08	193.82	32.184					
12,400.00	8,067.96	8,086.96	8,086.96	100.59	162.21	90.00	881.09	251.56	6,337.54	6,143.67	193.87	32.690					
12,500.00	8,067.96	8,086.96	8,086.96	102.27	162.21	90.00	881.09	251.56	6,437.18	6,243.27	193.91	33.197					
12,600.00	8,067.96	8,086.96	8,086.96	103.95	162.21	90.00	881.09	251.56	6,536.84	6,342.88	193.96	33.703					
12,700.00	8,067.96	8,086.96	8,086.96	105.64	162.21	90.00	881.09	251.56	6,636.51	6,442.51	194.00	34.208					
12,800.00	8,067.96	8,086.96	8,086.96	107.33	162.21	90.00	881.09	251.56	6,736.19	6,542.14	194.05	34.713					
12,900.00	8,067.96	8,086.96	8,086.96	109.02	162.21	90.00	881.09	251.56	6,835.88	6,641.77	194.10	35.218					
13,000.00	8,067.96	8,086.96	8,086.96	110.71	162.21	90.00	881.09	251.56	6,935.57	6,741.42	194.15	35.722					
13,100.00	8,067.96	8,086.96	8,086.96	112.41	162.21	90.00	881.09	251.56	7,035.28	6,841.08	194.20	36.226					
13,200.00	8,067.96	8,086.96	8,086.96	114.11	162.21	90.00	881.09	251.56	7,134.99	6,940.74	194.25	36.730					
13,300.00	8,067.96	8,086.96	8,086.96	115.81	162.21	90.00	881.09	251.56	7,234.71	7,040.41	194.31	37.233					
13,400.00	8,067.96	8,086.96	8,086.96	117.52	162.21	90.00	881.09	251.56	7,334.44	7,140.08	194.36	37.736					
13,500.00	8,067.96	8,086.96	8,086.96	119.22	162.21	90.00	881.09	251.56	7,434.18	7,239.77	194.42	38.239					
13,600.00	8,067.96	8,086.96	8,086.96	120.93	162.21	90.00	881.09	251.56	7,533.92	7,339.45	194.47	38.741					
13,700.00	8,067.96	8,086.96	8,086.96	122.64	162.21	90.00	881.09	251.56	7,633.67	7,439.15	194.53	39.242					
13,800.00	8,067.96	8,086.96	8,086.96	124.35	162.21	90.00	881.09	251.56	7,733.43	7,538.85	194.58	39.743					
13,900.00	8,067.96	8,086.96	8,086.96	126.06	162.21	90.00	881.09	251.56	7,833.19	7,638.55	194.64	40.244					
14,000.00	8,067.96	8,086.96	8,086.96	127.78	162.21	90.00	881.09	251.56	7,932.96	7,738.26	194.70	40.744					
14,100.00	8,067.96	8,086.96	8,086.96	129.50	162.21	90.00	881.09	251.56	8,032.74	7,837.98	194.76	41.244					

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> Sec 28-T1N-R68W - EXIST VERT DUMP UU 28-10 - Wellbore #1 - Design #1												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 0-INC												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,200.00	8,067.96	8,086.96	8,086.96	131.21	162.21	90.00	881.09	251.56	8,132.52	7,937.70	194.82	41.744	
14,300.00	8,067.96	8,086.96	8,086.96	132.93	162.21	90.00	881.09	251.56	8,232.30	8,037.42	194.88	42.243	
14,400.00	8,067.96	8,086.96	8,086.96	134.65	162.21	90.00	881.09	251.56	8,332.09	8,137.15	194.94	42.741	
14,500.00	8,067.96	8,086.96	8,086.96	136.38	162.21	90.00	881.09	251.56	8,431.89	8,236.88	195.01	43.239	
14,600.00	8,067.96	8,086.96	8,086.96	138.10	162.21	90.00	881.09	251.56	8,531.69	8,336.62	195.07	43.737	
14,700.00	8,067.96	8,086.96	8,086.96	139.82	162.21	90.00	881.09	251.56	8,631.50	8,436.36	195.13	44.234	
14,800.00	8,067.96	8,086.96	8,086.96	141.55	162.21	90.01	881.09	251.56	8,731.31	8,536.11	195.20	44.730	
14,900.00	8,067.96	8,086.96	8,086.96	143.28	162.21	90.01	881.09	251.56	8,831.12	8,635.86	195.26	45.227	
15,000.00	8,067.96	8,086.96	8,086.96	145.00	162.21	90.01	881.09	251.56	8,930.94	8,735.61	195.33	45.722	
15,100.00	8,067.96	8,086.96	8,086.96	146.73	162.21	90.01	881.09	251.56	9,030.76	8,835.36	195.40	46.217	
15,200.00	8,067.96	8,086.96	8,086.96	148.46	162.21	90.01	881.09	251.56	9,130.59	8,935.12	195.47	46.712	
15,300.00	8,067.96	8,086.96	8,086.96	150.19	162.21	90.01	881.09	251.56	9,230.41	9,034.88	195.53	47.206	
15,400.00	8,067.96	8,086.96	8,086.96	151.93	162.21	90.01	881.09	251.56	9,330.25	9,134.64	195.60	47.700	
15,500.00	8,067.96	8,086.96	8,086.96	153.66	162.21	90.01	881.09	251.56	9,430.09	9,234.41	195.67	48.193	
15,600.00	8,067.96	8,086.96	8,086.96	155.39	162.21	90.01	881.09	251.56	9,529.93	9,334.18	195.74	48.686	
15,700.00	8,067.97	8,086.97	8,086.97	157.13	162.21	90.01	881.09	251.56	9,629.77	9,433.95	195.82	49.178	
15,800.00	8,067.97	8,086.97	8,086.97	158.86	162.21	90.01	881.09	251.56	9,729.62	9,533.73	195.89	49.669	
15,900.00	8,067.97	8,086.97	8,086.97	160.60	162.21	90.01	881.09	251.56	9,829.47	9,633.50	195.96	50.160	
16,000.00	8,067.97	8,086.97	8,086.97	162.34	162.21	90.01	881.09	251.56	9,929.32	9,733.28	196.03	50.651	



# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
0.00	0.00	8.00	-8.00	0.00	0.09	-70.77	904.17	-2,592.55	2,745.69					
100.00	100.00	108.00	92.00	0.13	1.34	-70.77	904.17	-2,592.55	2,745.69	2,744.22	1.48	1,859.477		
200.00	200.00	208.00	192.00	0.49	3.62	-70.77	904.17	-2,592.55	2,745.69	2,741.58	4.12	667.066		
300.00	300.00	308.00	292.00	0.85	5.70	-70.77	904.17	-2,592.55	2,745.69	2,739.14	6.55	419.150		
400.00	400.00	408.00	392.00	1.21	7.74	-70.77	904.17	-2,592.55	2,745.69	2,736.74	8.95	306.768		
500.00	500.00	508.00	492.00	1.57	9.77	-70.77	904.17	-2,592.55	2,745.69	2,734.35	11.34	242.179		
600.00	600.00	608.00	592.00	1.93	11.79	-70.77	904.17	-2,592.55	2,745.69	2,731.97	13.72	200.146		
700.00	700.00	708.00	692.00	2.29	13.81	-70.77	904.17	-2,592.55	2,745.69	2,729.60	16.10	170.582		
800.00	800.00	808.00	792.00	2.64	15.83	-70.77	904.17	-2,592.55	2,745.69	2,727.22	18.47	148.644		
900.00	900.00	908.00	892.00	3.00	17.84	-70.77	904.17	-2,592.55	2,745.69	2,724.85	20.85	131.715		
1,000.00	1,000.00	1,008.00	992.00	3.36	19.86	-70.77	904.17	-2,592.55	2,745.69	2,722.47	23.22	118.253		
1,100.00	1,100.00	1,108.00	1,092.00	3.72	21.87	-70.77	904.17	-2,592.55	2,745.69	2,720.10	25.59	107.290		
1,200.00	1,200.00	1,208.00	1,192.00	4.08	23.89	-70.77	904.17	-2,592.55	2,745.69	2,717.73	27.96	98.189 CC		
1,300.00	1,299.98	1,308.02	1,291.98	4.42	25.90	148.08	904.17	-2,592.55	2,747.17	2,716.85	30.32	90.608 ES		
1,400.00	1,399.84	1,408.16	1,391.84	4.75	27.91	148.09	904.17	-2,592.55	2,751.62	2,718.95	32.67	84.236		
1,500.00	1,499.45	1,508.55	1,491.45	5.09	29.94	148.11	904.17	-2,592.55	2,759.02	2,724.00	35.02	78.782		
1,600.00	1,598.70	1,609.30	1,590.70	5.44	31.96	148.13	904.17	-2,592.55	2,769.39	2,732.01	37.39	74.069		
1,700.00	1,697.47	1,689.47	1,689.47	5.81	33.58	148.16	904.17	-2,592.55	2,782.73	2,743.38	39.35	70.719		
1,800.00	1,795.62	1,787.62	1,787.62	6.19	35.55	148.19	904.17	-2,592.55	2,799.02	2,757.34	41.68	67.158		
1,846.33	1,840.86	1,832.86	1,832.86	6.38	36.46	148.21	904.17	-2,592.55	2,807.58	2,764.82	42.76	65.665		
1,900.00	1,893.17	1,885.17	1,885.17	6.60	37.51	148.33	904.17	-2,592.55	2,817.86	2,773.86	44.00	64.038		
2,000.00	1,990.64	1,982.64	1,982.64	7.02	39.47	148.57	904.17	-2,592.55	2,837.06	2,790.73	46.33	61.237		
2,100.00	2,088.10	2,080.10	2,080.10	7.46	41.43	148.80	904.17	-2,592.55	2,856.30	2,807.64	48.66	58.697		
2,200.00	2,185.57	2,177.57	2,177.57	7.91	43.40	149.03	904.17	-2,592.55	2,875.59	2,824.59	51.00	56.385		
2,300.00	2,283.03	2,275.03	2,275.03	8.37	45.36	149.26	904.17	-2,592.55	2,894.92	2,841.58	53.34	54.272		
2,400.00	2,380.50	2,372.50	2,372.50	8.84	47.32	149.48	904.17	-2,592.55	2,914.29	2,858.61	55.69	52.333		
2,500.00	2,477.97	2,469.96	2,469.96	9.32	49.28	149.70	904.17	-2,592.55	2,933.71	2,875.68	58.04	50.550		
2,600.00	2,575.43	2,567.43	2,567.43	9.80	51.24	149.92	904.17	-2,592.55	2,953.17	2,892.78	60.39	48.904		
2,700.00	2,672.90	2,664.90	2,664.90	10.28	53.20	150.13	904.17	-2,592.55	2,972.67	2,909.93	62.74	47.381		
2,800.00	2,770.36	2,762.36	2,762.36	10.77	55.16	150.35	904.17	-2,592.55	2,992.21	2,927.12	65.09	45.967		
2,900.00	2,867.83	2,859.83	2,859.83	11.26	57.12	150.56	904.17	-2,592.55	3,011.79	2,944.34	67.45	44.651		
3,000.00	2,965.29	2,957.29	2,957.29	11.76	59.08	150.76	904.17	-2,592.55	3,031.41	2,961.60	69.81	43.424		
3,100.00	3,062.76	3,054.76	3,054.76	12.26	61.04	150.97	904.17	-2,592.55	3,051.07	2,978.90	72.17	42.278		
3,200.00	3,160.23	3,152.23	3,152.23	12.76	63.00	151.17	904.17	-2,592.55	3,070.76	2,996.24	74.53	41.204		
3,300.00	3,257.69	3,249.69	3,249.69	13.27	64.96	151.37	904.17	-2,592.55	3,090.49	3,013.61	76.89	40.195		
3,400.00	3,355.16	3,347.16	3,347.16	13.77	66.92	151.56	904.17	-2,592.55	3,110.26	3,031.01	79.25	39.248		
3,500.00	3,452.62	3,444.62	3,444.62	14.28	68.88	151.76	904.17	-2,592.55	3,130.06	3,048.45	81.61	38.355		
3,600.00	3,550.09	3,542.09	3,542.09	14.79	70.84	151.95	904.17	-2,592.55	3,149.90	3,065.93	83.97	37.513		
3,700.00	3,647.55	3,639.55	3,639.55	15.30	72.80	152.14	904.17	-2,592.55	3,169.77	3,083.44	86.33	36.717		
3,800.00	3,745.02	3,737.02	3,737.02	15.81	74.76	152.32	904.17	-2,592.55	3,189.67	3,100.98	88.69	35.963		
3,900.00	3,842.49	3,834.49	3,834.49	16.32	76.72	152.51	904.17	-2,592.55	3,209.60	3,118.55	91.05	35.250		
4,000.00	3,939.95	3,931.95	3,931.95	16.84	78.68	152.69	904.17	-2,592.55	3,229.57	3,136.15	93.42	34.572		
4,100.00	4,037.42	4,029.42	4,029.42	17.35	80.64	152.87	904.17	-2,592.55	3,249.57	3,153.79	95.78	33.928		
4,200.00	4,134.88	4,126.88	4,126.88	17.87	82.60	153.05	904.17	-2,592.55	3,269.60	3,171.46	98.14	33.316		
4,300.00	4,232.35	4,224.35	4,224.35	18.39	84.56	153.22	904.17	-2,592.55	3,289.66	3,189.16	100.50	32.733		
4,400.00	4,329.81	4,321.81	4,321.81	18.90	86.52	153.40	904.17	-2,592.55	3,309.75	3,206.88	102.86	32.177		
4,500.00	4,427.28	4,419.28	4,419.28	19.42	88.48	153.57	904.17	-2,592.55	3,329.86	3,224.64	105.22	31.646		
4,600.00	4,524.75	4,516.75	4,516.75	19.94	90.44	153.74	904.17	-2,592.55	3,350.01	3,242.42	107.58	31.138		
4,700.00	4,622.21	4,614.21	4,614.21	20.46	92.40	153.91	904.17	-2,592.55	3,370.18	3,260.24	109.95	30.653		
4,800.00	4,719.68	4,711.68	4,711.68	20.98	94.36	154.07	904.17	-2,592.55	3,390.39	3,278.08	112.31	30.189		
4,900.00	4,817.14	4,809.14	4,809.14	21.50	96.32	154.24	904.17	-2,592.55	3,410.62	3,295.95	114.67	29.744		
5,000.00	4,914.61	4,906.61	4,906.61	22.02	98.28	154.40	904.17	-2,592.55	3,430.87	3,313.84	117.03	29.317		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
5,100.00	5,012.07	5,004.07	5,004.07	22.54	100.24	154.56	904.17	-2,592.55	3,451.15	3,331.76	119.39	28.907		
5,200.00	5,109.54	5,101.54	5,101.54	23.06	102.20	154.71	904.17	-2,592.55	3,471.46	3,349.71	121.75	28.513		
5,300.00	5,207.01	5,201.00	5,199.01	23.59	104.20	154.87	904.17	-2,592.55	3,491.79	3,367.64	124.15	28.126		
5,400.00	5,304.47	5,303.53	5,296.47	24.11	106.27	155.03	904.17	-2,592.55	3,512.15	3,385.54	126.61	27.740		
5,500.00	5,401.94	5,406.06	5,393.94	24.63	108.33	155.18	904.17	-2,592.55	3,532.53	3,403.46	129.07	27.369		
5,600.00	5,499.40	5,508.60	5,491.40	25.16	110.39	155.33	904.17	-2,592.55	3,552.94	3,421.40	131.53	27.012		
5,700.00	5,596.87	5,588.87	5,588.87	25.68	112.00	155.48	904.17	-2,592.55	3,573.37	3,439.82	133.55	26.758		
5,800.00	5,694.33	5,686.33	5,686.33	26.20	113.96	155.62	904.17	-2,592.55	3,593.82	3,457.91	135.90	26.444		
5,900.00	5,791.80	5,783.80	5,783.80	26.73	115.92	155.77	904.17	-2,592.55	3,614.29	3,476.03	138.26	26.141		
6,000.00	5,889.27	5,881.27	5,881.27	27.25	117.88	155.91	904.17	-2,592.55	3,634.79	3,494.17	140.62	25.848		
6,100.00	5,986.73	5,978.73	5,978.73	27.78	119.84	156.06	904.17	-2,592.55	3,655.31	3,512.33	142.98	25.565		
6,200.00	6,084.20	6,076.20	6,076.20	28.30	121.80	156.20	904.17	-2,592.55	3,675.85	3,530.51	145.34	25.292		
6,300.00	6,181.66	6,173.66	6,173.66	28.82	123.76	156.34	904.17	-2,592.55	3,696.41	3,548.72	147.70	25.027		
6,400.00	6,279.13	6,271.13	6,271.13	29.35	125.72	156.48	904.17	-2,592.55	3,717.00	3,566.94	150.05	24.771		
6,500.00	6,376.59	6,368.59	6,368.59	29.88	127.68	156.61	904.17	-2,592.55	3,737.60	3,585.19	152.41	24.523		
6,600.00	6,474.06	6,466.06	6,466.06	30.40	129.64	156.75	904.17	-2,592.55	3,758.22	3,603.46	154.77	24.283		
6,700.00	6,571.53	6,563.53	6,563.53	30.93	131.60	156.88	904.17	-2,592.55	3,778.87	3,621.74	157.12	24.050		
6,800.00	6,668.99	6,660.99	6,660.99	31.45	133.56	157.01	904.17	-2,592.55	3,799.53	3,640.05	159.48	23.824		
6,887.36	6,754.14	6,746.14	6,746.14	31.91	135.28	157.13	904.17	-2,592.55	3,817.60	3,656.06	161.54	23.633		
6,900.00	6,766.46	6,758.46	6,758.46	31.98	135.52	157.16	904.17	-2,592.55	3,820.19	3,658.35	161.84	23.605		
7,000.00	6,864.39	6,856.39	6,856.39	32.48	137.49	157.43	904.17	-2,592.55	3,838.91	3,674.72	164.20	23.380		
7,100.00	6,962.96	6,954.96	6,954.96	32.94	139.48	157.64	904.17	-2,592.55	3,854.47	3,687.91	166.56	23.142		
7,200.00	7,062.06	7,054.06	7,054.06	33.36	141.47	157.81	904.17	-2,592.55	3,866.84	3,697.93	168.92	22.892		
7,300.00	7,161.57	7,153.57	7,153.57	33.74	143.47	157.94	904.17	-2,592.55	3,876.01	3,704.73	171.28	22.630		
7,400.00	7,261.36	7,253.36	7,253.36	34.08	145.48	158.02	904.17	-2,592.55	3,881.95	3,708.32	173.63	22.358		
7,500.00	7,361.31	7,353.31	7,353.31	34.39	147.49	158.05	904.17	-2,592.55	3,884.66	3,708.69	175.97	22.076		
7,533.69	7,395.00	7,387.00	7,387.00	34.48	148.16	-60.80	904.17	-2,592.55	3,884.84	3,708.09	176.75	21.979		
7,600.00	7,461.31	7,453.31	7,453.31	34.65	149.50	-60.80	904.17	-2,592.55	3,884.84	3,706.56	178.28	21.790		
7,633.69	7,495.00	7,487.00	7,487.00	34.73	150.18	-60.80	904.17	-2,592.55	3,884.84	3,705.78	179.06	21.696		
7,650.00	7,511.31	7,503.31	7,503.31	34.78	150.50	119.54	904.17	-2,592.55	3,884.96	3,705.52	179.44	21.651		
7,700.00	7,561.16	7,553.16	7,553.16	34.94	151.51	119.43	904.17	-2,592.55	3,886.74	3,706.12	180.62	21.519		
7,750.00	7,610.51	7,602.51	7,602.51	35.14	152.50	119.19	904.17	-2,592.55	3,890.66	3,708.86	181.80	21.401		
7,800.00	7,658.98	7,650.98	7,650.98	35.37	153.47	118.80	904.17	-2,592.55	3,896.72	3,713.74	182.98	21.296		
7,850.00	7,706.21	7,701.79	7,698.21	35.64	154.50	118.28	904.17	-2,592.55	3,904.90	3,720.67	184.22	21.197		
7,900.00	7,751.82	7,743.82	7,743.82	35.93	155.34	117.60	904.17	-2,592.55	3,915.17	3,729.87	185.30	21.129		
7,950.00	7,795.49	7,787.49	7,787.49	36.26	156.22	116.75	904.17	-2,592.55	3,927.51	3,741.09	186.42	21.068		
8,000.00	7,836.86	7,828.86	7,828.86	36.62	157.05	115.72	904.17	-2,592.55	3,941.87	3,754.37	187.50	21.023		
8,050.00	7,875.64	7,867.64	7,867.64	37.00	157.83	114.50	904.17	-2,592.55	3,958.19	3,769.66	188.53	20.994		
8,100.00	7,911.52	7,903.52	7,903.52	37.42	158.55	113.06	904.17	-2,592.55	3,976.42	3,786.90	189.52	20.982 SF		
8,150.00	7,944.22	7,936.22	7,936.22	37.86	159.21	111.39	904.17	-2,592.55	3,996.46	3,806.03	190.43	20.986		
8,200.00	7,973.51	7,965.51	7,965.51	38.32	159.80	109.48	904.17	-2,592.55	4,018.22	3,826.94	191.28	21.007		
8,250.00	7,999.16	8,008.84	7,991.16	38.81	160.67	107.31	904.17	-2,592.55	4,041.59	3,849.18	192.41	21.005		
8,300.00	8,020.98	8,012.98	8,012.98	39.31	160.75	104.87	904.17	-2,592.55	4,066.42	3,873.68	192.75	21.097		
8,350.00	8,038.79	8,030.79	8,030.79	39.84	161.11	102.15	904.17	-2,592.55	4,092.58	3,899.23	193.35	21.167		
8,400.00	8,052.46	8,044.46	8,044.46	40.38	161.39	99.16	904.17	-2,592.55	4,119.88	3,926.02	193.86	21.252		
8,450.00	8,061.89	8,053.89	8,053.89	40.93	161.58	95.92	904.17	-2,592.55	4,148.15	3,953.87	194.28	21.352		
8,500.00	8,067.01	8,059.01	8,059.01	41.49	161.68	92.45	904.17	-2,592.55	4,177.17	3,982.58	194.59	21.466		
8,533.77	8,068.00	8,060.00	8,060.00	41.88	161.70	90.00	904.17	-2,592.55	4,197.10	4,002.35	194.75	21.551		
8,600.00	8,068.00	8,060.00	8,060.00	42.64	161.70	90.00	904.17	-2,592.55	4,236.70	4,041.69	195.01	21.725		
8,700.00	8,068.00	8,060.00	8,060.00	43.82	161.70	90.00	904.17	-2,592.55	4,297.74	4,102.33	195.42	21.993		
8,800.00	8,068.00	8,060.00	8,060.00	45.04	161.70	90.00	904.17	-2,592.55	4,360.22	4,164.40	195.83	22.266		
8,900.00	8,067.99	8,059.99	8,059.99	46.30	161.70	90.00	904.17	-2,592.55	4,424.08	4,227.85	196.24	22.545		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Sec 28-T1N-R68W - EXIST VERT DUMP UU 28-12 - 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										
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning					
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	(usft)	(usft)	(usft)	(usft)					
9,000.00	8,067.99	8,059.99	8,059.99	47.59	161.70	90.00	904.17	-2,592.55	4,489.26	4,292.61	196.65	22.829					
9,100.00	8,067.99	8,059.99	8,059.99	48.91	161.70	90.00	904.17	-2,592.55	4,555.70	4,358.65	197.06	23.119					
9,200.00	8,067.99	8,059.99	8,059.99	50.26	161.70	90.00	904.17	-2,592.55	4,623.35	4,425.89	197.47	23.413					
9,300.00	8,067.99	8,059.99	8,059.99	51.63	161.70	90.00	904.17	-2,592.55	4,692.16	4,494.29	197.87	23.713					
9,400.00	8,067.99	8,059.99	8,059.99	53.03	161.70	90.00	904.17	-2,592.55	4,762.07	4,563.80	198.27	24.018					
9,500.00	8,067.98	8,059.98	8,059.98	54.44	161.70	90.00	904.17	-2,592.55	4,833.04	4,634.37	198.67	24.327					
9,600.00	8,067.98	8,059.98	8,059.98	55.88	161.70	90.00	904.17	-2,592.55	4,905.02	4,705.96	199.06	24.641					
9,700.00	8,067.98	8,059.98	8,059.98	57.34	161.70	90.00	904.17	-2,592.55	4,977.97	4,778.53	199.44	24.959					
9,800.00	8,067.98	8,059.98	8,059.98	58.81	161.70	90.00	904.17	-2,592.55	5,051.85	4,852.03	199.82	25.282					
9,900.00	8,067.98	8,059.98	8,059.98	60.31	161.70	90.00	904.17	-2,592.55	5,126.61	4,926.42	200.19	25.609					
10,000.00	8,067.98	8,059.98	8,059.98	61.81	161.70	90.00	904.17	-2,592.55	5,202.22	5,001.67	200.55	25.939					
10,100.00	8,067.98	8,059.98	8,059.98	63.33	161.70	90.00	904.17	-2,592.55	5,278.64	5,077.73	200.91	26.274					
10,200.00	8,067.97	8,059.97	8,059.97	64.86	161.70	90.00	904.17	-2,592.55	5,355.84	5,154.58	201.26	26.612					
10,300.00	8,067.97	8,059.97	8,059.97	66.41	161.70	90.00	904.17	-2,592.55	5,433.78	5,232.18	201.60	26.953					
10,400.00	8,067.97	8,059.97	8,059.97	67.96	161.70	90.00	904.17	-2,592.55	5,512.44	5,310.50	201.93	27.298					
10,500.00	8,067.97	8,059.97	8,059.97	69.53	161.70	90.00	904.17	-2,592.55	5,591.78	5,389.51	202.26	27.646					
10,600.00	8,067.97	8,059.97	8,059.97	71.10	161.70	90.00	904.17	-2,592.55	5,671.76	5,469.19	202.58	27.998					
10,700.00	8,067.97	8,059.97	8,059.97	72.69	161.70	90.00	904.17	-2,592.55	5,752.38	5,549.49	202.89	28.352					
10,800.00	8,067.97	8,059.97	8,059.97	74.28	161.70	90.00	904.17	-2,592.55	5,833.60	5,630.40	203.20	28.709					
10,900.00	8,067.97	8,059.97	8,059.97	75.88	161.70	90.00	904.17	-2,592.55	5,915.39	5,711.90	203.49	29.069					
11,000.00	8,067.97	8,059.97	8,059.97	77.49	161.70	90.00	904.17	-2,592.55	5,997.73	5,793.95	203.78	29.432					
11,100.00	8,067.97	8,059.97	8,059.97	79.10	161.70	90.00	904.17	-2,592.55	6,080.61	5,876.54	204.07	29.797					
11,200.00	8,067.96	8,059.96	8,059.96	80.73	161.70	90.00	904.17	-2,592.55	6,163.99	5,959.64	204.34	30.165					
11,300.00	8,067.96	8,059.96	8,059.96	82.35	161.70	90.00	904.17	-2,592.55	6,247.86	6,043.24	204.61	30.535					
11,400.00	8,067.96	8,059.96	8,059.96	83.99	161.70	90.00	904.17	-2,592.55	6,332.20	6,127.32	204.88	30.907					
11,500.00	8,067.96	8,059.96	8,059.96	85.63	161.70	90.00	904.17	-2,592.55	6,416.98	6,211.85	205.14	31.281					
11,600.00	8,067.96	8,059.96	8,059.96	87.27	161.70	90.00	904.17	-2,592.55	6,502.20	6,296.81	205.39	31.658					
11,700.00	8,067.96	8,059.96	8,059.96	88.92	161.70	90.00	904.17	-2,592.55	6,587.84	6,382.20	205.64	32.036					
11,800.00	8,067.96	8,059.96	8,059.96	90.58	161.70	90.00	904.17	-2,592.55	6,673.87	6,468.00	205.88	32.417					
11,900.00	8,067.96	8,059.96	8,059.96	92.23	161.70	90.00	904.17	-2,592.55	6,760.29	6,554.18	206.11	32.799					
12,000.00	8,067.96	8,059.96	8,059.96	93.90	161.70	90.00	904.17	-2,592.55	6,847.08	6,640.74	206.34	33.183					
12,100.00	8,067.96	8,059.96	8,059.96	95.56	161.70	90.00	904.17	-2,592.55	6,934.23	6,727.66	206.57	33.569					
12,200.00	8,067.96	8,059.96	8,059.96	97.23	161.70	90.00	904.17	-2,592.55	7,021.72	6,814.93	206.79	33.956					
12,300.00	8,067.96	8,059.96	8,059.96	98.91	161.70	90.00	904.17	-2,592.55	7,109.54	6,902.53	207.01	34.345					
12,400.00	8,067.96	8,059.96	8,059.96	100.59	161.70	90.00	904.17	-2,592.55	7,197.67	6,990.45	207.22	34.735					
12,500.00	8,067.96	8,059.96	8,059.96	102.27	161.70	90.00	904.17	-2,592.55	7,286.11	7,078.69	207.42	35.127					
12,600.00	8,067.96	8,059.96	8,059.96	103.95	161.70	90.00	904.17	-2,592.55	7,374.85	7,167.23	207.63	35.520					
12,700.00	8,067.96	8,059.96	8,059.96	105.64	161.70	90.00	904.17	-2,592.55	7,463.87	7,256.05	207.83	35.914					
12,800.00	8,067.96	8,059.96	8,059.96	107.33	161.70	90.00	904.17	-2,592.55	7,553.17	7,345.15	208.02	36.310					
12,900.00	8,067.96	8,059.96	8,059.96	109.02	161.70	90.00	904.17	-2,592.55	7,642.73	7,434.52	208.21	36.707					
13,000.00	8,067.96	8,059.96	8,059.96	110.71	161.70	90.00	904.17	-2,592.55	7,732.55	7,524.16	208.40	37.105					
13,100.00	8,067.96	8,059.96	8,059.96	112.41	161.70	90.00	904.17	-2,592.55	7,822.62	7,614.04	208.58	37.504					
13,200.00	8,067.96	8,059.96	8,059.96	114.11	161.70	90.00	904.17	-2,592.55	7,912.92	7,704.16	208.76	37.904					
13,300.00	8,067.96	8,059.96	8,059.96	115.81	161.70	90.00	904.17	-2,592.55	8,003.46	7,794.52	208.94	38.305					
13,400.00	8,067.96	8,059.96	8,059.96	117.52	161.70	90.00	904.17	-2,592.55	8,094.22	7,885.10	209.11	38.707					
13,500.00	8,067.96	8,059.96	8,059.96	119.22	161.70	90.00	904.17	-2,592.55	8,185.19	7,975.90	209.28	39.110					
13,600.00	8,067.96	8,059.96	8,059.96	120.93	161.70	90.00	904.17	-2,592.55	8,276.37	8,066.92	209.45	39.514					
13,700.00	8,067.96	8,059.96	8,059.96	122.64	161.70	90.00	904.17	-2,592.55	8,367.75	8,158.14	209.62	39.919					
13,800.00	8,067.96	8,059.96	8,059.96	124.35	161.70	90.00	904.17	-2,592.55	8,459.33	8,249.55	209.78	40.325					
13,900.00	8,067.96	8,059.96	8,059.96	126.06	161.70	90.00	904.17	-2,592.55	8,551.10	8,341.16	209.94	40.731					
14,000.00	8,067.96	8,059.96	8,059.96	127.78	161.70	90.00	904.17	-2,592.55	8,643.05	8,432.95	210.10	41.139					
14,100.00	8,067.96	8,059.96	8,059.96	129.50	161.70	90.00	904.17	-2,592.55	8,735.17	8,524.92	210.25	41.547					

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> Sec 28-T1N-R68W - EXIST VERT DUMP UU 28-12 - Wellbore #1 - Design #1												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 0-INC												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,200.00	8,067.96	8,059.96	8,059.96	131.21	161.70	90.00	904.17	-2,592.55	8,827.47	8,617.07	210.40	41.955	
14,300.00	8,067.96	8,059.96	8,059.96	132.93	161.70	90.00	904.17	-2,592.55	8,919.93	8,709.38	210.55	42.364	
14,400.00	8,067.96	8,059.96	8,059.96	134.65	161.70	90.00	904.17	-2,592.55	9,012.56	8,801.86	210.70	42.774	
14,500.00	8,067.96	8,059.96	8,059.96	136.38	161.70	90.00	904.17	-2,592.55	9,105.34	8,894.49	210.85	43.185	
14,600.00	8,067.96	8,059.96	8,059.96	138.10	161.70	90.00	904.17	-2,592.55	9,198.27	8,987.28	210.99	43.596	
14,700.00	8,067.96	8,059.96	8,059.96	139.82	161.70	90.00	904.17	-2,592.55	9,291.35	9,080.22	211.13	44.007	
14,800.00	8,067.96	8,059.96	8,059.96	141.55	161.70	90.00	904.17	-2,592.55	9,384.57	9,173.30	211.27	44.419	
14,900.00	8,067.96	8,059.96	8,059.96	143.28	161.70	90.00	904.17	-2,592.55	9,477.93	9,266.52	211.41	44.832	
15,000.00	8,067.96	8,059.96	8,059.96	145.00	161.70	90.00	904.17	-2,592.55	9,571.43	9,359.88	211.55	45.245	
15,100.00	8,067.96	8,059.96	8,059.96	146.73	161.70	90.00	904.17	-2,592.55	9,665.05	9,453.37	211.68	45.658	
15,200.00	8,067.96	8,059.96	8,059.96	148.46	161.70	90.00	904.17	-2,592.55	9,758.80	9,546.99	211.82	46.072	
15,300.00	8,067.96	8,059.96	8,059.96	150.19	161.70	90.00	904.17	-2,592.55	9,852.67	9,640.73	211.95	46.487	
15,400.00	8,067.96	8,059.96	8,059.96	151.93	161.70	90.00	904.17	-2,592.55	9,946.67	9,734.59	212.08	46.901	

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
0.00	0.00	16.00	16.00	0.00	0.19	107.51	-493.64	1,564.34	1,640.38					
100.00	100.00	116.00	116.00	0.13	1.53	107.51	-493.64	1,564.34	1,640.38	1,638.72	1.66	987.894		
200.00	200.00	216.00	216.00	0.49	3.79	107.51	-493.64	1,564.34	1,640.38	1,636.10	4.28	383.052		
300.00	300.00	316.00	316.00	0.85	5.86	107.51	-493.64	1,564.34	1,640.38	1,633.66	6.71	244.322		
400.00	400.00	416.00	416.00	1.21	7.90	107.51	-493.64	1,564.34	1,640.38	1,631.27	9.11	180.010		
500.00	500.00	516.00	516.00	1.57	9.93	107.51	-493.64	1,564.34	1,640.38	1,628.88	11.50	142.650		
600.00	600.00	616.00	616.00	1.93	11.95	107.51	-493.64	1,564.34	1,640.38	1,626.50	13.88	118.183		
700.00	700.00	716.00	716.00	2.29	13.97	107.51	-493.64	1,564.34	1,640.38	1,624.12	16.26	100.900		
800.00	800.00	816.00	816.00	2.64	15.99	107.51	-493.64	1,564.34	1,640.38	1,621.74	18.63	88.037		
900.00	900.00	916.00	916.00	3.00	18.00	107.51	-493.64	1,564.34	1,640.38	1,619.37	21.01	78.088		
1,000.00	1,000.00	1,016.00	1,016.00	3.36	20.02	107.51	-493.64	1,564.34	1,640.38	1,617.00	23.38	70.162		
1,100.00	1,100.00	1,116.00	1,116.00	3.72	22.03	107.51	-493.64	1,564.34	1,640.38	1,614.63	25.75	63.698		
1,200.00	1,200.00	1,216.00	1,216.00	4.08	24.05	107.51	-493.64	1,564.34	1,640.38	1,612.25	28.12	58.326		
1,300.00	1,299.98	1,315.98	1,315.98	4.42	26.06	-33.68	-493.64	1,564.34	1,638.93	1,608.45	30.48	53.772		
1,400.00	1,399.84	1,415.84	1,415.84	4.75	28.07	-33.83	-493.64	1,564.34	1,634.57	1,601.75	32.82	49.804		
1,500.00	1,499.45	1,515.45	1,515.45	5.09	30.07	-34.09	-493.64	1,564.34	1,627.33	1,592.17	35.16	46.284		
1,600.00	1,598.70	1,614.70	1,614.70	5.44	32.07	-34.44	-493.64	1,564.34	1,617.24	1,579.74	37.50	43.128		
1,700.00	1,697.47	1,713.47	1,713.47	5.81	34.06	-34.91	-493.64	1,564.34	1,604.32	1,564.49	39.83	40.276		
1,800.00	1,795.62	1,811.62	1,811.62	6.19	36.03	-35.48	-493.64	1,564.34	1,588.63	1,546.47	42.17	37.676		
1,846.33	1,840.86	1,856.86	1,856.86	6.38	36.94	-35.79	-493.64	1,564.34	1,580.44	1,537.20	43.25	36.546		
1,900.00	1,893.17	1,909.17	1,909.17	6.60	38.00	-36.04	-493.64	1,564.34	1,570.63	1,526.14	44.49	35.299		
2,000.00	1,990.64	2,006.64	2,006.64	7.02	39.96	-36.52	-493.64	1,564.34	1,552.44	1,505.61	46.83	33.151		
2,100.00	2,088.10	2,104.10	2,104.10	7.46	41.92	-37.02	-493.64	1,564.34	1,534.36	1,485.19	49.17	31.203		
2,200.00	2,185.57	2,201.57	2,201.57	7.91	43.88	-37.52	-493.64	1,564.34	1,516.39	1,464.86	51.52	29.430		
2,300.00	2,283.03	2,300.97	2,299.03	8.37	45.88	-38.04	-493.64	1,564.34	1,498.54	1,444.62	53.92	27.790		
2,400.00	2,380.50	2,403.50	2,396.50	8.84	47.94	-38.56	-493.64	1,564.34	1,480.81	1,424.42	56.39	26.259		
2,500.00	2,477.97	2,506.04	2,493.97	9.32	50.00	-39.10	-493.64	1,564.34	1,463.21	1,404.35	58.87	24.856		
2,600.00	2,575.43	2,608.57	2,591.43	9.80	52.07	-39.66	-493.64	1,564.34	1,445.74	1,384.40	61.35	23.566		
2,700.00	2,672.90	2,688.90	2,688.90	10.28	53.68	-40.22	-493.64	1,564.34	1,428.41	1,365.02	63.39	22.534		
2,800.00	2,770.36	2,786.36	2,786.36	10.77	55.64	-40.80	-493.64	1,564.34	1,411.22	1,345.44	65.78	21.454		
2,900.00	2,867.83	2,883.83	2,883.83	11.26	57.60	-41.40	-493.64	1,564.34	1,394.18	1,326.00	68.18	20.450		
3,000.00	2,965.29	2,981.29	2,981.29	11.76	59.56	-42.01	-493.64	1,564.34	1,377.29	1,306.71	70.58	19.514		
3,100.00	3,062.76	3,078.76	3,078.76	12.26	61.52	-42.63	-493.64	1,564.34	1,360.56	1,287.57	72.99	18.642		
3,200.00	3,160.23	3,176.23	3,176.23	12.76	63.48	-43.27	-493.64	1,564.34	1,343.99	1,268.59	75.40	17.825		
3,300.00	3,257.69	3,273.69	3,273.69	13.27	65.44	-43.92	-493.64	1,564.34	1,327.59	1,249.78	77.81	17.061		
3,400.00	3,355.16	3,371.16	3,371.16	13.77	67.40	-44.59	-493.64	1,564.34	1,311.37	1,231.13	80.24	16.344		
3,500.00	3,452.62	3,468.62	3,468.62	14.28	69.36	-45.28	-493.64	1,564.34	1,295.33	1,212.67	82.67	15.670		
3,600.00	3,550.09	3,566.09	3,566.09	14.79	71.32	-45.98	-493.64	1,564.34	1,279.49	1,194.39	85.10	15.035		
3,700.00	3,647.55	3,663.55	3,663.55	15.30	73.28	-46.70	-493.64	1,564.34	1,263.84	1,176.30	87.54	14.438		
3,800.00	3,745.02	3,761.02	3,761.02	15.81	75.24	-47.44	-493.64	1,564.34	1,248.39	1,158.41	89.98	13.874		
3,900.00	3,842.49	3,858.49	3,858.49	16.32	77.20	-48.19	-493.64	1,564.34	1,233.16	1,140.73	92.43	13.342		
4,000.00	3,939.95	3,955.95	3,955.95	16.84	79.16	-48.97	-493.64	1,564.34	1,218.14	1,123.26	94.88	12.839		
4,100.00	4,037.42	4,053.42	4,053.42	17.35	81.12	-49.76	-493.64	1,564.34	1,203.36	1,106.02	97.34	12.362		
4,200.00	4,134.88	4,150.88	4,150.88	17.87	83.08	-50.57	-493.64	1,564.34	1,188.81	1,089.01	99.80	11.911		
4,300.00	4,232.35	4,248.35	4,248.35	18.39	85.05	-51.40	-493.64	1,564.34	1,174.51	1,072.24	102.27	11.484		
4,400.00	4,329.81	4,345.81	4,345.81	18.90	87.01	-52.25	-493.64	1,564.34	1,160.46	1,055.72	104.75	11.079		
4,500.00	4,427.28	4,443.28	4,443.28	19.42	88.97	-53.12	-493.64	1,564.34	1,146.68	1,039.45	107.23	10.694		
4,600.00	4,524.75	4,540.75	4,540.75	19.94	90.93	-54.01	-493.64	1,564.34	1,133.17	1,023.46	109.71	10.329		
4,700.00	4,622.21	4,638.21	4,638.21	20.46	92.89	-54.92	-493.64	1,564.34	1,119.95	1,007.75	112.20	9.982		
4,800.00	4,719.68	4,735.68	4,735.68	20.98	94.85	-55.85	-493.64	1,564.34	1,107.02	992.32	114.70	9.652		
4,900.00	4,817.14	4,833.14	4,833.14	21.50	96.81	-56.80	-493.64	1,564.34	1,094.39	977.20	117.20	9.338		
5,000.00	4,914.61	4,930.61	4,930.61	22.02	98.77	-57.77	-493.64	1,564.34	1,082.08	962.38	119.70	9.040		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
5,100.00	5,012.07	5,028.07	5,028.07	22.54	100.73	-58.77	-493.64	1,564.34	1,070.10	947.89	122.21	8.756	
5,200.00	5,109.54	5,125.54	5,125.54	23.06	102.69	-59.78	-493.64	1,564.34	1,058.45	933.73	124.72	8.486	
5,300.00	5,207.01	5,223.01	5,223.01	23.59	104.65	-60.82	-493.64	1,564.34	1,047.15	919.91	127.24	8.230	
5,400.00	5,304.47	5,320.47	5,320.47	24.11	106.61	-61.88	-493.64	1,564.34	1,036.22	906.45	129.77	7.985	
5,500.00	5,401.94	5,417.94	5,417.94	24.63	108.57	-62.96	-493.64	1,564.34	1,025.65	893.36	132.29	7.753	
5,600.00	5,499.40	5,515.40	5,515.40	25.16	110.53	-64.06	-493.64	1,564.34	1,015.46	880.64	134.82	7.532	
5,700.00	5,596.87	5,612.87	5,612.87	25.68	112.49	-65.18	-493.64	1,564.34	1,005.67	868.32	137.35	7.322	
5,800.00	5,694.33	5,710.33	5,710.33	26.20	114.45	-66.33	-493.64	1,564.34	996.29	856.40	139.89	7.122	
5,900.00	5,791.80	5,807.80	5,807.80	26.73	116.41	-67.49	-493.64	1,564.34	987.32	844.89	142.43	6.932	
6,000.00	5,889.27	5,905.27	5,905.27	27.25	118.37	-68.67	-493.64	1,564.34	978.79	833.82	144.97	6.752	
6,100.00	5,986.73	6,002.73	6,002.73	27.78	120.33	-69.88	-493.64	1,564.34	970.69	823.18	147.51	6.580	
6,200.00	6,084.20	6,100.20	6,100.20	28.30	122.29	-71.10	-493.64	1,564.34	963.05	812.99	150.05	6.418	
6,300.00	6,181.66	6,202.34	6,197.66	28.82	124.34	-72.34	-493.64	1,564.34	955.86	803.17	152.69	6.260	
6,400.00	6,279.13	6,304.87	6,295.13	29.35	126.40	-73.59	-493.64	1,564.34	949.16	793.82	155.34	6.110	
6,500.00	6,376.59	6,407.41	6,392.59	29.88	128.46	-74.87	-493.64	1,564.34	942.93	784.95	157.98	5.969	
6,600.00	6,474.06	6,509.94	6,490.06	30.40	130.53	-76.16	-493.64	1,564.34	937.20	776.57	160.62	5.835	
6,700.00	6,571.53	6,587.53	6,587.53	30.93	132.09	-77.46	-493.64	1,564.34	931.96	769.20	162.76	5.726	
6,800.00	6,668.99	6,684.99	6,684.99	31.45	134.05	-78.78	-493.64	1,564.34	927.24	761.95	165.30	5.610	
6,887.36	6,754.14	6,770.14	6,770.14	31.91	135.76	-79.94	-493.64	1,564.34	923.54	756.04	167.51	5.513	
6,900.00	6,766.46	6,782.46	6,782.46	31.98	136.01	-80.09	-493.64	1,564.34	923.05	755.22	167.83	5.500	
7,000.00	6,864.39	6,880.39	6,880.39	32.48	137.98	-81.24	-493.64	1,564.34	919.70	749.36	170.33	5.399	
7,100.00	6,962.96	6,978.96	6,978.96	32.94	139.96	-82.22	-493.64	1,564.34	917.24	744.44	172.81	5.308	
7,200.00	7,062.06	7,078.06	7,078.06	33.36	141.95	-83.00	-493.64	1,564.34	915.51	740.27	175.24	5.224	
7,300.00	7,161.57	7,177.57	7,177.57	33.74	143.95	-83.59	-493.64	1,564.34	914.35	736.72	177.64	5.147	
7,400.00	7,261.36	7,277.36	7,277.36	34.08	145.96	-83.98	-493.64	1,564.34	913.66	733.66	179.99	5.076	
7,500.00	7,361.31	7,377.31	7,377.31	34.39	147.97	-84.15	-493.64	1,564.34	913.35	731.04	182.31	5.010	
7,533.69	7,395.00	7,411.00	7,411.00	34.48	148.65	56.98	-493.64	1,564.34	913.33	730.25	183.08	4.989	
7,600.00	7,461.31	7,477.31	7,477.31	34.65	149.98	56.98	-493.64	1,564.34	913.33	728.75	184.58	4.948	
7,633.69	7,495.00	7,511.00	7,511.00	34.73	150.66	56.98	-493.64	1,564.34	913.33	727.99	185.34	4.928 CC	
7,650.00	7,511.31	7,527.31	7,527.31	34.78	150.99	-122.68	-493.64	1,564.34	913.46	727.74	185.72	4.919 ES	
7,700.00	7,561.16	7,577.16	7,577.16	34.94	151.99	-122.70	-493.64	1,564.34	915.41	728.52	186.89	4.898	
7,750.00	7,610.51	7,626.51	7,626.51	35.14	152.98	-122.75	-493.64	1,564.34	919.74	731.65	188.09	4.890 SF	
7,800.00	7,658.98	7,674.98	7,674.98	35.37	153.96	-122.80	-493.64	1,564.34	926.49	737.18	189.31	4.894	
7,850.00	7,706.21	7,722.21	7,722.21	35.64	154.91	-122.82	-493.64	1,564.34	935.73	745.20	190.54	4.911	
7,900.00	7,751.82	7,767.82	7,767.82	35.93	155.82	-122.78	-493.64	1,564.34	947.53	755.77	191.76	4.941	
7,950.00	7,795.49	7,811.49	7,811.49	36.26	156.70	-122.64	-493.64	1,564.34	961.96	769.00	192.96	4.985	
8,000.00	7,836.86	7,852.86	7,852.86	36.62	157.53	-122.33	-493.64	1,564.34	979.07	784.94	194.13	5.043	
8,050.00	7,875.64	7,908.36	7,891.64	37.00	158.65	-121.80	-493.64	1,564.34	998.91	803.32	195.59	5.107	
8,100.00	7,911.52	7,927.52	7,927.52	37.42	159.03	-121.00	-493.64	1,564.34	1,021.48	825.16	196.32	5.203	
8,150.00	7,944.22	7,960.22	7,960.22	37.86	159.69	-119.84	-493.64	1,564.34	1,046.75	849.44	197.31	5.305	
8,200.00	7,973.51	7,989.51	7,989.51	38.32	160.28	-118.25	-493.64	1,564.34	1,074.65	876.43	198.22	5.421	
8,250.00	7,999.16	8,015.16	8,015.16	38.81	160.80	-116.14	-493.64	1,564.34	1,105.06	906.01	199.04	5.552	
8,300.00	8,020.98	8,036.98	8,036.98	39.31	161.24	-113.41	-493.64	1,564.34	1,137.79	938.03	199.77	5.696	
8,350.00	8,038.79	8,054.79	8,054.79	39.84	161.59	-109.96	-493.64	1,564.34	1,172.65	972.27	200.38	5.852	
8,400.00	8,052.46	8,068.46	8,068.46	40.38	161.87	-105.69	-493.64	1,564.34	1,209.36	1,008.47	200.89	6.020	
8,450.00	8,061.89	8,077.89	8,077.89	40.93	162.06	-100.55	-493.64	1,564.34	1,247.65	1,046.36	201.29	6.198	
8,500.00	8,067.01	8,083.01	8,083.01	41.49	162.16	-94.52	-493.64	1,564.34	1,287.17	1,085.61	201.57	6.386	
8,533.77	8,068.00	8,084.00	8,084.00	41.88	162.18	-90.00	-493.64	1,564.34	1,314.40	1,112.70	201.69	6.517	
8,600.00	8,068.00	8,084.00	8,084.00	42.64	162.18	-90.00	-493.64	1,564.34	1,368.66	1,166.79	201.87	6.780	
8,700.00	8,068.00	8,084.00	8,084.00	43.82	162.18	-90.00	-493.64	1,564.34	1,452.49	1,250.38	202.10	7.187	
8,800.00	8,068.00	8,084.00	8,084.00	45.04	162.18	-90.00	-493.64	1,564.34	1,538.24	1,335.95	202.29	7.604	
8,900.00	8,067.99	8,083.99	8,083.99	46.30	162.18	-90.00	-493.64	1,564.34	1,625.62	1,423.18	202.44	8.030	

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,000.00	8,067.99	8,083.99	8,083.99	47.59	162.18	-90.00	-493.64	1,564.34	1,714.39	1,511.82	202.56	8.463		
9,100.00	8,067.99	8,083.99	8,083.99	48.91	162.18	-90.00	-493.64	1,564.34	1,804.33	1,601.66	202.67	8.903		
9,200.00	8,067.99	8,083.99	8,083.99	50.26	162.18	-90.00	-493.64	1,564.34	1,895.27	1,692.52	202.75	9.348		
9,300.00	8,067.99	8,083.99	8,083.99	51.63	162.18	-90.00	-493.64	1,564.34	1,987.09	1,784.27	202.82	9.797		
9,400.00	8,067.99	8,083.99	8,083.99	53.03	162.18	-90.00	-493.64	1,564.34	2,079.66	1,876.78	202.88	10.251		
9,500.00	8,067.98	8,083.98	8,083.98	54.44	162.18	-90.00	-493.64	1,564.34	2,172.90	1,969.96	202.93	10.707		
9,600.00	8,067.98	8,083.98	8,083.98	55.88	162.18	-90.00	-493.64	1,564.34	2,266.70	2,063.72	202.98	11.167		
9,700.00	8,067.98	8,083.98	8,083.98	57.34	162.18	-90.00	-493.64	1,564.34	2,361.02	2,158.00	203.02	11.630		
9,800.00	8,067.98	8,083.98	8,083.98	58.81	162.18	-90.00	-493.64	1,564.34	2,455.79	2,252.73	203.05	12.094		
9,900.00	8,067.98	8,083.98	8,083.98	60.31	162.18	-90.00	-493.64	1,564.34	2,550.95	2,347.86	203.09	12.561		
10,000.00	8,067.98	8,083.98	8,083.98	61.81	162.18	-90.00	-493.64	1,564.34	2,646.47	2,443.36	203.12	13.029		
10,100.00	8,067.98	8,083.98	8,083.98	63.33	162.18	-90.00	-493.64	1,564.34	2,742.31	2,539.17	203.14	13.499		
10,200.00	8,067.97	8,083.97	8,083.97	64.86	162.18	-90.00	-493.64	1,564.34	2,838.44	2,635.27	203.17	13.971		
10,300.00	8,067.97	8,083.97	8,083.97	66.41	162.18	-90.00	-493.64	1,564.34	2,934.83	2,731.63	203.19	14.443		
10,400.00	8,067.97	8,083.97	8,083.97	67.96	162.18	-90.00	-493.64	1,564.34	3,031.45	2,828.23	203.22	14.917		
10,500.00	8,067.97	8,083.97	8,083.97	69.53	162.18	-90.00	-493.64	1,564.34	3,128.28	2,925.04	203.24	15.392		
10,600.00	8,067.97	8,083.97	8,083.97	71.10	162.18	-90.00	-493.64	1,564.34	3,225.31	3,022.05	203.26	15.868		
10,700.00	8,067.97	8,083.97	8,083.97	72.69	162.18	-90.00	-493.64	1,564.34	3,322.51	3,119.23	203.29	16.344		
10,800.00	8,067.97	8,083.97	8,083.97	74.28	162.18	-90.00	-493.64	1,564.34	3,419.88	3,216.57	203.31	16.821		
10,900.00	8,067.97	8,083.97	8,083.97	75.88	162.18	-90.00	-493.64	1,564.34	3,517.39	3,314.06	203.33	17.299		
11,000.00	8,067.97	8,083.97	8,083.97	77.49	162.18	-90.00	-493.64	1,564.34	3,615.04	3,411.68	203.36	17.777		
11,100.00	8,067.97	8,083.97	8,083.97	79.10	162.18	-90.00	-493.64	1,564.34	3,712.81	3,509.43	203.38	18.256		
11,200.00	8,067.96	8,083.96	8,083.96	80.73	162.18	-90.00	-493.64	1,564.34	3,810.70	3,607.30	203.40	18.735		
11,300.00	8,067.96	8,083.96	8,083.96	82.35	162.18	-90.00	-493.64	1,564.34	3,908.70	3,705.27	203.43	19.214		
11,400.00	8,067.96	8,083.96	8,083.96	83.99	162.18	-90.00	-493.64	1,564.34	4,006.79	3,803.34	203.45	19.694		
11,500.00	8,067.96	8,083.96	8,083.96	85.63	162.18	-90.00	-493.64	1,564.34	4,104.98	3,901.50	203.48	20.174		
11,600.00	8,067.96	8,083.96	8,083.96	87.27	162.18	-90.00	-493.64	1,564.34	4,203.25	3,999.75	203.50	20.654		
11,700.00	8,067.96	8,083.96	8,083.96	88.92	162.18	-90.00	-493.64	1,564.34	4,301.60	4,098.07	203.53	21.135		
11,800.00	8,067.96	8,083.96	8,083.96	90.58	162.18	-90.00	-493.64	1,564.34	4,400.03	4,196.47	203.56	21.616		
11,900.00	8,067.96	8,083.96	8,083.96	92.23	162.18	-90.00	-493.64	1,564.34	4,498.52	4,294.94	203.58	22.097		
12,000.00	8,067.96	8,083.96	8,083.96	93.90	162.18	-90.00	-493.64	1,564.34	4,597.08	4,393.47	203.61	22.578		
12,100.00	8,067.96	8,083.96	8,083.96	95.56	162.18	-90.00	-493.64	1,564.34	4,695.70	4,492.06	203.64	23.059		
12,200.00	8,067.96	8,083.96	8,083.96	97.23	162.18	-90.00	-493.64	1,564.34	4,794.38	4,590.71	203.67	23.540		
12,300.00	8,067.96	8,083.96	8,083.96	98.91	162.18	-90.00	-493.64	1,564.34	4,893.11	4,689.41	203.70	24.021		
12,400.00	8,067.96	8,083.96	8,083.96	100.59	162.18	-90.00	-493.64	1,564.34	4,991.90	4,788.16	203.73	24.502		
12,500.00	8,067.96	8,083.96	8,083.96	102.27	162.18	-90.00	-493.64	1,564.34	5,090.73	4,886.96	203.76	24.983		
12,600.00	8,067.96	8,083.96	8,083.96	103.95	162.18	-90.00	-493.64	1,564.34	5,189.60	4,985.80	203.80	25.465		
12,700.00	8,067.96	8,083.96	8,083.96	105.64	162.18	-90.00	-493.64	1,564.34	5,288.52	5,084.69	203.83	25.946		
12,800.00	8,067.96	8,083.96	8,083.96	107.33	162.18	-90.00	-493.64	1,564.34	5,387.48	5,183.61	203.86	26.427		
12,900.00	8,067.96	8,083.96	8,083.96	109.02	162.18	-90.00	-493.64	1,564.34	5,486.47	5,282.57	203.90	26.908		
13,000.00	8,067.96	8,083.96	8,083.96	110.71	162.18	-90.00	-493.64	1,564.34	5,585.50	5,381.57	203.93	27.389		
13,100.00	8,067.96	8,083.96	8,083.96	112.41	162.18	-90.00	-493.64	1,564.34	5,684.57	5,480.60	203.97	27.870		
13,200.00	8,067.96	8,083.96	8,083.96	114.11	162.18	-90.00	-493.64	1,564.34	5,783.66	5,579.66	204.01	28.350		
13,300.00	8,067.96	8,083.96	8,083.96	115.81	162.18	-90.00	-493.64	1,564.34	5,882.79	5,678.75	204.04	28.831		
13,400.00	8,067.96	8,083.96	8,083.96	117.52	162.18	-90.00	-493.64	1,564.34	5,981.95	5,777.86	204.08	29.311		
13,500.00	8,067.96	8,083.96	8,083.96	119.22	162.18	-90.00	-493.64	1,564.34	6,081.13	5,877.01	204.12	29.792		
13,600.00	8,067.96	8,083.96	8,083.96	120.93	162.18	-90.00	-493.64	1,564.34	6,180.34	5,976.18	204.16	30.272		
13,700.00	8,067.96	8,083.96	8,083.96	122.64	162.18	-90.00	-493.64	1,564.34	6,279.58	6,075.37	204.20	30.752		
13,800.00	8,067.96	8,083.96	8,083.96	124.35	162.18	-90.00	-493.64	1,564.34	6,378.83	6,174.59	204.24	31.232		
13,900.00	8,067.96	8,083.96	8,083.96	126.06	162.18	-90.00	-493.64	1,564.34	6,478.12	6,273.83	204.28	31.711		
14,000.00	8,067.96	8,083.96	8,083.96	127.78	162.18	-90.00	-493.64	1,564.34	6,577.42	6,373.09	204.33	32.191		
14,100.00	8,067.96	8,083.96	8,083.96	129.50	162.18	-90.00	-493.64	1,564.34	6,676.74	6,472.37	204.37	32.670		

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



# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	8,067.96	8,083.96	8,083.96	131.21	162.18	-90.00	-493.64	1,564.34	6,776.09	6,571.68	204.41	33.149		
14,300.00	8,067.96	8,083.96	8,083.96	132.93	162.18	-90.00	-493.64	1,564.34	6,875.45	6,670.99	204.46	33.628		
14,400.00	8,067.96	8,083.96	8,083.96	134.65	162.18	-90.00	-493.64	1,564.34	6,974.83	6,770.33	204.50	34.106		
14,500.00	8,067.96	8,083.96	8,083.96	136.38	162.18	-90.00	-493.64	1,564.34	7,074.23	6,869.68	204.55	34.584		
14,600.00	8,067.96	8,083.96	8,083.96	138.10	162.18	-90.00	-493.64	1,564.34	7,173.65	6,969.05	204.60	35.062		
14,700.00	8,067.96	8,083.96	8,083.96	139.82	162.18	-90.00	-493.64	1,564.34	7,273.08	7,068.44	204.64	35.540		
14,800.00	8,067.96	8,083.96	8,083.96	141.55	162.18	-90.00	-493.64	1,564.34	7,372.53	7,167.84	204.69	36.018		
14,900.00	8,067.96	8,083.96	8,083.96	143.28	162.18	-90.00	-493.64	1,564.34	7,471.99	7,267.25	204.74	36.495		
15,000.00	8,067.96	8,083.96	8,083.96	145.00	162.18	-90.00	-493.64	1,564.34	7,571.46	7,366.68	204.79	36.972		
15,100.00	8,067.96	8,083.96	8,083.96	146.73	162.18	-90.00	-493.64	1,564.34	7,670.95	7,466.12	204.84	37.449		
15,200.00	8,067.96	8,083.96	8,083.96	148.46	162.18	-90.00	-493.64	1,564.34	7,770.46	7,565.57	204.89	37.925		
15,300.00	8,067.96	8,083.96	8,083.96	150.19	162.18	-90.00	-493.64	1,564.34	7,869.97	7,665.03	204.94	38.401		
15,400.00	8,067.96	8,083.96	8,083.96	151.93	162.18	-90.00	-493.64	1,564.34	7,969.50	7,764.51	204.99	38.877		
15,500.00	8,067.96	8,083.96	8,083.96	153.66	162.18	-90.00	-493.64	1,564.34	8,069.04	7,863.99	205.05	39.352		
15,600.00	8,067.96	8,083.96	8,083.96	155.39	162.18	-90.01	-493.64	1,564.34	8,168.59	7,963.49	205.10	39.828		
15,700.00	8,067.97	8,083.97	8,083.97	157.13	162.18	-90.01	-493.64	1,564.34	8,268.15	8,063.00	205.15	40.302		
15,800.00	8,067.97	8,083.97	8,083.97	158.86	162.18	-90.01	-493.64	1,564.34	8,367.72	8,162.51	205.21	40.777		
15,900.00	8,067.97	8,083.97	8,083.97	160.60	162.18	-90.01	-493.64	1,564.34	8,467.30	8,262.04	205.26	41.251		
16,000.00	8,067.97	8,083.97	8,083.97	162.34	162.18	-90.01	-493.64	1,564.34	8,566.90	8,361.58	205.32	41.725		
16,100.00	8,067.97	8,083.97	8,083.97	164.08	162.18	-90.01	-493.64	1,564.34	8,666.50	8,461.12	205.37	42.198		
16,200.00	8,067.97	8,083.97	8,083.97	165.81	162.18	-90.01	-493.64	1,564.34	8,766.11	8,560.67	205.43	42.672		
16,300.00	8,067.97	8,083.97	8,083.97	167.55	162.18	-90.01	-493.64	1,564.34	8,865.72	8,660.24	205.49	43.144		
16,400.00	8,067.97	8,083.97	8,083.97	169.29	162.18	-90.01	-493.64	1,564.34	8,965.35	8,759.80	205.55	43.617		
16,500.00	8,067.97	8,083.97	8,083.97	171.04	162.18	-90.01	-493.64	1,564.34	9,064.99	8,859.38	205.61	44.089		
16,600.00	8,067.98	8,083.98	8,083.98	172.78	162.18	-90.01	-493.64	1,564.34	9,164.63	8,958.96	205.67	44.561		
16,700.00	8,067.98	8,083.98	8,083.98	174.52	162.18	-90.01	-493.64	1,564.34	9,264.28	9,058.56	205.73	45.032		
16,800.00	8,067.98	8,083.98	8,083.98	176.26	162.18	-90.01	-493.64	1,564.34	9,363.94	9,158.15	205.79	45.503		
16,900.00	8,067.98	8,083.98	8,083.98	178.01	162.18	-90.01	-493.64	1,564.34	9,463.61	9,257.76	205.85	45.974		
17,000.00	8,067.98	8,083.98	8,083.98	179.75	162.18	-90.01	-493.64	1,564.34	9,563.28	9,357.37	205.91	46.444		
17,100.00	8,067.98	8,083.98	8,083.98	181.49	162.18	-90.01	-493.64	1,564.34	9,662.96	9,456.99	205.97	46.914		
17,200.00	8,067.98	8,083.98	8,083.98	183.24	162.18	-90.01	-493.64	1,564.34	9,762.64	9,556.61	206.03	47.383		
17,300.00	8,067.99	8,083.99	8,083.99	184.99	162.18	-90.01	-493.64	1,564.34	9,862.34	9,656.24	206.10	47.853		
17,400.00	8,067.99	8,083.99	8,083.99	186.73	162.18	-90.01	-493.64	1,564.34	9,962.03	9,755.87	206.16	48.321		

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design      Sec 28-T1N-R68W - EXIST VERT DUMP UU 28-2 - 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		
0.00	0.00	0.00	0.00	0.00	0.00	6.03	3,770.52	398.00	3,791.57					
100.00	100.00	72.00	72.00	0.13	0.83	6.03	3,770.52	398.00	3,791.46	3,790.49	0.97	3,915.224		
200.00	200.00	172.00	172.00	0.49	2.81	6.03	3,770.52	398.00	3,791.46	3,788.16	3.31	1,146.791		
300.00	300.00	272.00	272.00	0.85	4.95	6.03	3,770.52	398.00	3,791.46	3,785.66	5.81	653.125		
400.00	400.00	372.00	372.00	1.21	7.01	6.03	3,770.52	398.00	3,791.46	3,783.25	8.22	461.462		
500.00	500.00	472.00	472.00	1.57	9.04	6.03	3,770.52	398.00	3,791.46	3,780.86	10.61	357.432		
600.00	600.00	572.00	572.00	1.93	11.06	6.03	3,770.52	398.00	3,791.46	3,778.47	12.99	291.864		
700.00	700.00	672.00	672.00	2.29	13.08	6.03	3,770.52	398.00	3,791.46	3,776.09	15.37	246.691		
800.00	800.00	772.00	772.00	2.64	15.10	6.03	3,770.52	398.00	3,791.46	3,773.72	17.75	213.658		
900.00	900.00	872.00	872.00	3.00	17.12	6.03	3,770.52	398.00	3,791.46	3,771.34	20.12	188.442		
1,000.00	1,000.00	972.00	972.00	3.36	19.13	6.03	3,770.52	398.00	3,791.46	3,768.97	22.49	168.557		
1,100.00	1,100.00	1,072.00	1,072.00	3.72	21.15	6.03	3,770.52	398.00	3,791.46	3,766.60	24.87	152.474		
1,200.00	1,200.00	1,172.00	1,172.00	4.08	23.16	6.03	3,770.52	398.00	3,791.46	3,764.22	27.24	139.195 CC		
1,300.00	1,299.98	1,271.98	1,271.98	4.42	25.17	-135.12	3,770.52	398.00	3,792.70	3,763.11	29.59	128.156 ES		
1,400.00	1,399.84	1,371.84	1,371.84	4.75	27.18	-135.13	3,770.52	398.00	3,796.41	3,764.47	31.94	118.874		
1,500.00	1,499.45	1,471.45	1,471.45	5.09	29.19	-135.13	3,770.52	398.00	3,802.60	3,768.32	34.28	110.928		
1,600.00	1,598.70	1,570.70	1,570.70	5.44	31.19	-135.14	3,770.52	398.00	3,811.27	3,774.65	36.62	104.069		
1,700.00	1,697.47	1,669.47	1,669.47	5.81	33.17	-135.14	3,770.52	398.00	3,822.43	3,783.46	38.96	98.101		
1,800.00	1,795.62	1,767.62	1,767.62	6.19	35.15	-135.15	3,770.52	398.00	3,836.08	3,794.77	41.30	92.873		
1,846.33	1,840.86	1,812.86	1,812.86	6.38	36.06	-135.15	3,770.52	398.00	3,843.25	3,800.86	42.39	90.667		
1,900.00	1,893.17	1,865.17	1,865.17	6.60	37.11	-135.28	3,770.52	398.00	3,851.88	3,808.24	43.64	88.257		
2,000.00	1,990.64	1,962.64	1,962.64	7.02	39.07	-135.51	3,770.52	398.00	3,868.01	3,822.02	45.99	84.108		
2,100.00	2,088.10	2,060.10	2,060.10	7.46	41.03	-135.73	3,770.52	398.00	3,884.19	3,835.85	48.34	80.350		
2,200.00	2,185.57	2,157.57	2,157.57	7.91	42.99	-135.96	3,770.52	398.00	3,900.44	3,849.74	50.70	76.933		
2,300.00	2,283.03	2,255.03	2,255.03	8.37	44.95	-136.19	3,770.52	398.00	3,916.75	3,863.69	53.06	73.813		
2,400.00	2,380.50	2,352.50	2,352.50	8.84	46.91	-136.41	3,770.52	398.00	3,933.12	3,877.69	55.43	70.956		
2,500.00	2,477.97	2,449.96	2,449.96	9.32	48.87	-136.63	3,770.52	398.00	3,949.55	3,891.75	57.80	68.329		
2,600.00	2,575.43	2,547.43	2,547.43	9.80	50.84	-136.85	3,770.52	398.00	3,966.04	3,905.86	60.18	65.907		
2,700.00	2,672.90	2,644.90	2,644.90	10.28	52.80	-137.07	3,770.52	398.00	3,982.58	3,920.03	62.55	63.668		
2,800.00	2,770.36	2,742.36	2,742.36	10.77	54.76	-137.28	3,770.52	398.00	3,999.18	3,934.25	64.93	61.592		
2,900.00	2,867.83	2,839.83	2,839.83	11.26	56.72	-137.50	3,770.52	398.00	4,015.83	3,948.52	67.31	59.661		
3,000.00	2,965.29	2,937.29	2,937.29	11.76	58.68	-137.71	3,770.52	398.00	4,032.55	3,962.85	69.69	57.863		
3,100.00	3,062.76	3,034.76	3,034.76	12.26	60.64	-137.92	3,770.52	398.00	4,049.31	3,977.24	72.07	56.183		
3,200.00	3,160.23	3,132.23	3,132.23	12.76	62.60	-138.13	3,770.52	398.00	4,066.13	3,991.68	74.46	54.611		
3,300.00	3,257.69	3,229.69	3,229.69	13.27	64.56	-138.34	3,770.52	398.00	4,083.01	4,006.16	76.84	53.136		
3,400.00	3,355.16	3,327.16	3,327.16	13.77	66.52	-138.54	3,770.52	398.00	4,099.93	4,020.71	79.22	51.751		
3,500.00	3,452.62	3,424.62	3,424.62	14.28	68.48	-138.74	3,770.52	398.00	4,116.91	4,035.30	81.61	50.447		
3,600.00	3,550.09	3,522.09	3,522.09	14.79	70.44	-138.95	3,770.52	398.00	4,133.94	4,049.94	83.99	49.217		
3,700.00	3,647.55	3,619.55	3,619.55	15.30	72.40	-139.15	3,770.52	398.00	4,151.02	4,064.64	86.38	48.056		
3,800.00	3,745.02	3,717.02	3,717.02	15.81	74.36	-139.35	3,770.52	398.00	4,168.15	4,079.38	88.76	46.958		
3,900.00	3,842.49	3,814.49	3,814.49	16.32	76.32	-139.54	3,770.52	398.00	4,185.33	4,094.18	91.15	45.918		
4,000.00	3,939.95	3,911.95	3,911.95	16.84	78.28	-139.74	3,770.52	398.00	4,202.56	4,109.02	93.53	44.931		
4,100.00	4,037.42	4,009.42	4,009.42	17.35	80.24	-139.93	3,770.52	398.00	4,219.83	4,123.91	95.92	43.994		
4,200.00	4,134.88	4,106.88	4,106.88	17.87	82.20	-140.13	3,770.52	398.00	4,237.16	4,138.85	98.30	43.103		
4,300.00	4,232.35	4,204.35	4,204.35	18.39	84.16	-140.32	3,770.52	398.00	4,254.53	4,153.84	100.69	42.255		
4,400.00	4,329.81	4,301.81	4,301.81	18.90	86.12	-140.51	3,770.52	398.00	4,271.95	4,168.88	103.07	41.447		
4,500.00	4,427.28	4,400.28	4,399.28	19.42	88.11	-140.70	3,770.52	398.00	4,289.41	4,183.93	105.48	40.664		
4,600.00	4,524.75	4,503.26	4,496.75	19.94	90.17	-140.88	3,770.52	398.00	4,306.92	4,198.95	107.97	39.891		
4,700.00	4,622.21	4,605.79	4,594.21	20.46	92.23	-141.07	3,770.52	398.00	4,324.47	4,214.02	110.45	39.152		
4,800.00	4,719.68	4,708.32	4,691.68	20.98	94.30	-141.25	3,770.52	398.00	4,342.07	4,229.13	112.94	38.447		
4,900.00	4,817.14	4,789.14	4,789.14	21.50	95.92	-141.43	3,770.52	398.00	4,359.71	4,244.73	114.99	37.915		
5,000.00	4,914.61	4,886.61	4,886.61	22.02	97.88	-141.61	3,770.52	398.00	4,377.40	4,260.03	117.37	37.297		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
5,100.00	5,012.07	4,984.07	4,984.07	22.54	99.84	-141.79	3,770.52	398.00	4,395.13	4,275.38	119.75	36.703		
5,200.00	5,109.54	5,081.54	5,081.54	23.06	101.80	-141.97	3,770.52	398.00	4,412.90	4,290.77	122.13	36.133		
5,300.00	5,207.01	5,179.01	5,179.01	23.59	103.76	-142.15	3,770.52	398.00	4,430.71	4,306.20	124.51	35.585		
5,400.00	5,304.47	5,276.47	5,276.47	24.11	105.72	-142.32	3,770.52	398.00	4,448.56	4,321.67	126.89	35.058		
5,500.00	5,401.94	5,373.94	5,373.94	24.63	107.68	-142.50	3,770.52	398.00	4,466.45	4,337.18	129.27	34.552		
5,600.00	5,499.40	5,471.40	5,471.40	25.16	109.64	-142.67	3,770.52	398.00	4,484.39	4,352.74	131.65	34.063		
5,700.00	5,596.87	5,568.87	5,568.87	25.68	111.60	-142.84	3,770.52	398.00	4,502.36	4,368.33	134.03	33.593		
5,800.00	5,694.33	5,666.33	5,666.33	26.20	113.56	-143.01	3,770.52	398.00	4,520.37	4,383.97	136.41	33.139		
5,900.00	5,791.80	5,763.80	5,763.80	26.73	115.52	-143.18	3,770.52	398.00	4,538.43	4,399.64	138.78	32.702		
6,000.00	5,889.27	5,861.27	5,861.27	27.25	117.48	-143.35	3,770.52	398.00	4,556.52	4,415.35	141.16	32.279		
6,100.00	5,986.73	5,958.73	5,958.73	27.78	119.44	-143.51	3,770.52	398.00	4,574.64	4,431.11	143.54	31.871		
6,200.00	6,084.20	6,056.20	6,056.20	28.30	121.40	-143.68	3,770.52	398.00	4,592.81	4,446.89	145.91	31.476		
6,300.00	6,181.66	6,153.66	6,153.66	28.82	123.36	-143.84	3,770.52	398.00	4,611.01	4,462.72	148.29	31.095		
6,400.00	6,279.13	6,251.13	6,251.13	29.35	125.32	-144.00	3,770.52	398.00	4,629.25	4,478.58	150.66	30.725		
6,500.00	6,376.59	6,348.59	6,348.59	29.88	127.28	-144.16	3,770.52	398.00	4,647.52	4,494.48	153.04	30.368		
6,600.00	6,474.06	6,446.06	6,446.06	30.40	129.24	-144.32	3,770.52	398.00	4,665.83	4,510.42	155.41	30.022		
6,700.00	6,571.53	6,543.53	6,543.53	30.93	131.20	-144.48	3,770.52	398.00	4,684.18	4,526.39	157.79	29.686		
6,800.00	6,668.99	6,640.99	6,640.99	31.45	133.16	-144.64	3,770.52	398.00	4,702.56	4,542.40	160.16	29.361		
6,887.36	6,754.14	6,726.14	6,726.14	31.91	134.87	-144.77	3,770.52	398.00	4,718.65	4,556.41	162.24	29.085		
6,900.00	6,766.46	6,738.46	6,738.46	31.98	135.12	-144.82	3,770.52	398.00	4,720.95	4,558.42	162.54	29.046		
7,000.00	6,864.39	6,836.39	6,836.39	32.48	137.09	-145.15	3,770.52	398.00	4,737.64	4,572.73	164.91	28.729		
7,100.00	6,962.96	6,934.96	6,934.96	32.94	139.07	-145.43	3,770.52	398.00	4,751.51	4,584.24	167.28	28.405		
7,200.00	7,062.06	7,034.06	7,034.06	33.36	141.07	-145.64	3,770.52	398.00	4,762.56	4,592.92	169.64	28.075		
7,300.00	7,161.57	7,133.57	7,133.57	33.74	143.07	-145.80	3,770.52	398.00	4,770.74	4,598.74	171.99	27.738		
7,400.00	7,261.36	7,233.36	7,233.36	34.08	145.07	-145.91	3,770.52	398.00	4,776.04	4,601.70	174.34	27.395		
7,500.00	7,361.31	7,333.31	7,333.31	34.39	147.08	-145.95	3,770.52	398.00	4,778.46	4,601.79	176.67	27.047		
7,533.69	7,395.00	7,367.00	7,367.00	34.48	147.76	-4.81	3,770.52	398.00	4,778.63	4,601.18	177.45	26.929		
7,600.00	7,461.31	7,433.31	7,433.31	34.65	149.10	-4.81	3,770.52	398.00	4,778.63	4,599.65	178.98	26.699		
7,633.69	7,495.00	7,467.00	7,467.00	34.73	149.77	-4.81	3,770.52	398.00	4,778.63	4,598.87	179.75	26.584		
7,650.00	7,511.31	7,483.31	7,483.31	34.78	150.10	175.53	3,770.52	398.00	4,778.86	4,598.73	180.13	26.530		
7,700.00	7,561.16	7,533.16	7,533.16	34.94	151.10	175.51	3,770.52	398.00	4,782.45	4,601.16	181.29	26.380		
7,750.00	7,610.51	7,582.51	7,582.51	35.14	152.10	175.45	3,770.52	398.00	4,790.36	4,607.91	182.45	26.256		
7,800.00	7,658.98	7,630.98	7,630.98	35.37	153.07	175.36	3,770.52	398.00	4,802.52	4,618.93	183.59	26.159		
7,850.00	7,706.21	7,678.21	7,678.21	35.64	154.02	175.24	3,770.52	398.00	4,818.85	4,634.14	184.71	26.088		
7,900.00	7,751.82	7,723.82	7,723.82	35.93	154.94	175.07	3,770.52	398.00	4,839.22	4,653.43	185.80	26.046		
7,950.00	7,795.49	7,767.49	7,767.49	36.26	155.82	174.85	3,770.52	398.00	4,863.48	4,676.65	186.84	26.030 SF		
8,000.00	7,836.86	7,808.86	7,808.86	36.62	156.65	174.57	3,770.52	398.00	4,891.45	4,703.62	187.83	26.042		
8,050.00	7,875.64	7,847.64	7,847.64	37.00	157.43	174.21	3,770.52	398.00	4,922.90	4,734.14	188.75	26.081		
8,100.00	7,911.52	7,883.52	7,883.52	37.42	158.15	173.74	3,770.52	398.00	4,957.60	4,767.99	189.61	26.146		
8,150.00	7,944.22	7,916.22	7,916.22	37.86	158.81	173.14	3,770.52	398.00	4,995.29	4,804.90	190.39	26.237		
8,200.00	7,973.51	7,945.51	7,945.51	38.32	159.40	172.33	3,770.52	398.00	5,035.68	4,844.59	191.09	26.353		
8,250.00	7,999.16	7,971.16	7,971.16	38.81	159.91	171.21	3,770.52	398.00	5,078.47	4,886.77	191.69	26.493		
8,300.00	8,020.98	8,002.02	8,002.02	39.31	160.63	169.59	3,770.52	398.00	5,123.32	4,930.83	192.49	26.616		
8,350.00	8,038.79	8,010.79	8,010.79	39.84	160.71	167.10	3,770.52	398.00	5,169.90	4,977.28	192.62	26.840		
8,400.00	8,052.46	8,024.46	8,024.46	40.38	160.98	162.82	3,770.52	398.00	5,217.86	5,024.92	192.94	27.044		
8,450.00	8,061.89	8,033.89	8,033.89	40.93	161.17	154.06	3,770.52	398.00	5,266.82	5,073.67	193.15	27.268		
8,500.00	8,067.01	8,039.01	8,039.01	41.49	161.28	129.99	3,770.52	398.00	5,316.42	5,123.15	193.26	27.509		
8,533.77	8,068.00	8,040.00	8,040.00	41.88	161.30	89.98	3,770.52	398.00	5,350.08	5,156.80	193.28	27.680		
8,600.00	8,068.00	8,040.00	8,040.00	42.64	161.30	89.98	3,770.52	398.00	5,416.16	5,222.89	193.27	28.024		
8,700.00	8,068.00	8,040.00	8,040.00	43.82	161.30	89.98	3,770.52	398.00	5,515.92	5,322.67	193.26	28.542		
8,800.00	8,068.00	8,040.00	8,040.00	45.04	161.30	89.98	3,770.52	398.00	5,615.70	5,422.45	193.25	29.060		
8,900.00	8,067.99	8,039.99	8,039.99	46.30	161.30	89.98	3,770.52	398.00	5,715.48	5,522.25	193.24	29.578		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 0-INC												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,000.00	8,067.99	8,039.99	8,039.99	47.59	161.30	89.98	3,770.52	398.00	5,815.28	5,622.05	193.23	30.095	
9,100.00	8,067.99	8,039.99	8,039.99	48.91	161.30	89.99	3,770.52	398.00	5,915.07	5,721.85	193.22	30.613	
9,200.00	8,067.99	8,039.99	8,039.99	50.26	161.30	89.99	3,770.52	398.00	6,014.88	5,821.66	193.22	31.130	
9,300.00	8,067.99	8,039.99	8,039.99	51.63	161.30	89.99	3,770.52	398.00	6,114.69	5,921.47	193.22	31.647	
9,400.00	8,067.99	8,039.99	8,039.99	53.03	161.30	89.99	3,770.52	398.00	6,214.51	6,021.29	193.22	32.163	
9,500.00	8,067.98	8,039.98	8,039.98	54.44	161.30	89.99	3,770.52	398.00	6,314.33	6,121.11	193.22	32.680	
9,600.00	8,067.98	8,039.98	8,039.98	55.88	161.30	89.99	3,770.52	398.00	6,414.16	6,220.94	193.22	33.196	
9,700.00	8,067.98	8,039.98	8,039.98	57.34	161.30	89.99	3,770.52	398.00	6,513.99	6,320.77	193.23	33.711	
9,800.00	8,067.98	8,039.98	8,039.98	58.81	161.30	89.99	3,770.52	398.00	6,613.83	6,420.60	193.23	34.227	
9,900.00	8,067.98	8,039.98	8,039.98	60.31	161.30	89.99	3,770.52	398.00	6,713.68	6,520.43	193.24	34.742	
10,000.00	8,067.98	8,039.98	8,039.98	61.81	161.30	89.99	3,770.52	398.00	6,813.53	6,620.27	193.25	35.257	
10,100.00	8,067.98	8,039.98	8,039.98	63.33	161.30	89.99	3,770.52	398.00	6,913.38	6,720.12	193.26	35.772	
10,200.00	8,067.97	8,039.97	8,039.97	64.86	161.30	89.99	3,770.52	398.00	7,013.24	6,819.96	193.28	36.286	
10,300.00	8,067.97	8,039.97	8,039.97	66.41	161.30	89.99	3,770.52	398.00	7,113.10	6,919.81	193.29	36.800	
10,400.00	8,067.97	8,039.97	8,039.97	67.96	161.30	89.99	3,770.52	398.00	7,212.96	7,019.66	193.30	37.314	
10,500.00	8,067.97	8,039.97	8,039.97	69.53	161.30	89.99	3,770.52	398.00	7,312.83	7,119.51	193.32	37.827	
10,600.00	8,067.97	8,039.97	8,039.97	71.10	161.30	89.99	3,770.52	398.00	7,412.70	7,219.36	193.34	38.340	
10,700.00	8,067.97	8,039.97	8,039.97	72.69	161.30	89.99	3,770.52	398.00	7,512.58	7,319.22	193.36	38.853	
10,800.00	8,067.97	8,039.97	8,039.97	74.28	161.30	89.99	3,770.52	398.00	7,612.46	7,419.08	193.38	39.366	
10,900.00	8,067.97	8,039.97	8,039.97	75.88	161.30	89.99	3,770.52	398.00	7,712.34	7,518.94	193.40	39.878	
11,000.00	8,067.97	8,039.97	8,039.97	77.49	161.30	89.99	3,770.52	398.00	7,812.22	7,618.80	193.42	40.389	
11,100.00	8,067.97	8,039.97	8,039.97	79.10	161.30	89.99	3,770.52	398.00	7,912.11	7,718.66	193.45	40.901	
11,200.00	8,067.96	8,039.96	8,039.96	80.73	161.30	89.99	3,770.52	398.00	8,012.00	7,818.53	193.47	41.411	
11,300.00	8,067.96	8,039.96	8,039.96	82.35	161.30	89.99	3,770.52	398.00	8,111.90	7,918.40	193.50	41.922	
11,400.00	8,067.96	8,039.96	8,039.96	83.99	161.30	89.99	3,770.52	398.00	8,211.79	8,018.26	193.53	42.432	
11,500.00	8,067.96	8,039.96	8,039.96	85.63	161.30	89.99	3,770.52	398.00	8,311.69	8,118.13	193.56	42.942	
11,600.00	8,067.96	8,039.96	8,039.96	87.27	161.30	89.99	3,770.52	398.00	8,411.59	8,218.01	193.59	43.451	
11,700.00	8,067.96	8,039.96	8,039.96	88.92	161.30	89.99	3,770.52	398.00	8,511.49	8,317.88	193.62	43.960	
11,800.00	8,067.96	8,039.96	8,039.96	90.58	161.30	89.99	3,770.52	398.00	8,611.40	8,417.75	193.65	44.469	
11,900.00	8,067.96	8,039.96	8,039.96	92.23	161.30	89.99	3,770.52	398.00	8,711.31	8,517.62	193.68	44.977	
12,000.00	8,067.96	8,039.96	8,039.96	93.90	161.30	89.99	3,770.52	398.00	8,811.22	8,617.50	193.72	45.485	
12,100.00	8,067.96	8,039.96	8,039.96	95.56	161.30	89.99	3,770.52	398.00	8,911.13	8,717.38	193.75	45.992	
12,200.00	8,067.96	8,039.96	8,039.96	97.23	161.30	89.99	3,770.52	398.00	9,011.04	8,817.25	193.79	46.499	
12,300.00	8,067.96	8,039.96	8,039.96	98.91	161.30	89.99	3,770.52	398.00	9,110.96	8,917.13	193.83	47.006	
12,400.00	8,067.96	8,039.96	8,039.96	100.59	161.30	89.99	3,770.52	398.00	9,210.88	9,017.01	193.87	47.512	
12,500.00	8,067.96	8,039.96	8,039.96	102.27	161.30	90.00	3,770.52	398.00	9,310.80	9,116.89	193.91	48.017	
12,600.00	8,067.96	8,039.96	8,039.96	103.95	161.30	90.00	3,770.52	398.00	9,410.72	9,216.77	193.95	48.522	
12,700.00	8,067.96	8,039.96	8,039.96	105.64	161.30	90.00	3,770.52	398.00	9,510.64	9,316.65	193.99	49.027	
12,800.00	8,067.96	8,039.96	8,039.96	107.33	161.30	90.00	3,770.52	398.00	9,610.56	9,416.53	194.03	49.531	
12,900.00	8,067.96	8,039.96	8,039.96	109.02	161.30	90.00	3,770.52	398.00	9,710.49	9,516.42	194.07	50.035	
13,000.00	8,067.96	8,039.96	8,039.96	110.71	161.30	90.00	3,770.52	398.00	9,810.42	9,616.30	194.12	50.538	
13,100.00	8,067.96	8,039.96	8,039.96	112.41	161.30	90.00	3,770.52	398.00	9,910.35	9,716.18	194.16	51.041	

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
0.00	0.00	23.00	23.00	0.00	0.27	-48.13	2,355.08	-2,627.12	3,528.20					
100.00	100.00	123.00	123.00	0.13	1.69	-48.13	2,355.08	-2,627.12	3,528.20	3,526.37	1.82	1,937.101		
200.00	200.00	223.00	223.00	0.49	3.94	-48.13	2,355.08	-2,627.12	3,528.20	3,523.77	4.43	796.806		
300.00	300.00	323.00	323.00	0.85	6.01	-48.13	2,355.08	-2,627.12	3,528.20	3,521.34	6.86	514.541		
400.00	400.00	423.00	423.00	1.21	8.04	-48.13	2,355.08	-2,627.12	3,528.20	3,518.94	9.25	381.230		
500.00	500.00	523.00	523.00	1.57	10.07	-48.13	2,355.08	-2,627.12	3,528.20	3,516.55	11.64	303.086		
600.00	600.00	623.00	623.00	1.93	12.09	-48.13	2,355.08	-2,627.12	3,528.20	3,514.17	14.02	251.630		
700.00	700.00	723.00	723.00	2.29	14.11	-48.13	2,355.08	-2,627.12	3,528.20	3,511.80	16.40	215.152		
800.00	800.00	823.00	823.00	2.64	16.13	-48.13	2,355.08	-2,627.12	3,528.20	3,509.42	18.77	187.931		
900.00	900.00	923.00	923.00	3.00	18.15	-48.13	2,355.08	-2,627.12	3,528.20	3,507.05	21.15	166.834		
1,000.00	1,000.00	1,023.00	1,023.00	3.36	20.16	-48.13	2,355.08	-2,627.12	3,528.20	3,504.67	23.52	150.002		
1,100.00	1,100.00	1,123.00	1,123.00	3.72	22.17	-48.13	2,355.08	-2,627.12	3,528.20	3,502.30	25.89	136.259		
1,200.00	1,200.00	1,223.00	1,223.00	4.08	24.19	-48.13	2,355.08	-2,627.12	3,528.20	3,499.93	28.27	124.825 CC		
1,300.00	1,299.98	1,322.98	1,322.98	4.42	26.20	170.73	2,355.08	-2,627.12	3,529.92	3,499.30	30.62	115.279 ES		
1,400.00	1,399.84	1,422.84	1,422.84	4.75	28.21	170.72	2,355.08	-2,627.12	3,535.08	3,502.12	32.96	107.249		
1,500.00	1,499.45	1,522.45	1,522.45	5.09	30.21	170.72	2,355.08	-2,627.12	3,543.68	3,508.38	35.30	100.383		
1,600.00	1,598.70	1,621.70	1,621.70	5.44	32.21	170.71	2,355.08	-2,627.12	3,555.71	3,518.08	37.64	94.473		
1,700.00	1,697.47	1,720.47	1,720.47	5.81	34.20	170.70	2,355.08	-2,627.12	3,571.16	3,531.19	39.97	89.354		
1,800.00	1,795.62	1,818.62	1,818.62	6.19	36.17	170.69	2,355.08	-2,627.12	3,589.99	3,547.71	42.29	84.898		
1,846.33	1,840.86	1,863.86	1,863.86	6.38	37.08	170.68	2,355.08	-2,627.12	3,599.87	3,556.51	43.36	83.025		
1,900.00	1,893.17	1,916.17	1,916.17	6.60	38.14	170.71	2,355.08	-2,627.12	3,611.72	3,567.13	44.60	80.987		
2,000.00	1,990.64	2,013.64	2,013.64	7.02	40.10	170.77	2,355.08	-2,627.12	3,633.82	3,586.91	46.90	77.474		
2,100.00	2,088.10	2,111.10	2,111.10	7.46	42.06	170.82	2,355.08	-2,627.12	3,655.91	3,606.70	49.21	74.285		
2,200.00	2,185.57	2,208.57	2,208.57	7.91	44.02	170.88	2,355.08	-2,627.12	3,678.01	3,626.48	51.53	71.376		
2,300.00	2,283.03	2,306.03	2,306.03	8.37	45.98	170.93	2,355.08	-2,627.12	3,700.12	3,646.27	53.85	68.714		
2,400.00	2,380.50	2,403.50	2,403.50	8.84	47.94	170.99	2,355.08	-2,627.12	3,722.22	3,666.05	56.17	66.268		
2,500.00	2,477.97	2,500.97	2,500.97	9.32	49.90	171.04	2,355.08	-2,627.12	3,744.33	3,685.84	58.49	64.014		
2,600.00	2,575.43	2,601.57	2,598.43	9.80	51.92	171.10	2,355.08	-2,627.12	3,766.44	3,705.56	60.88	61.866		
2,700.00	2,672.90	2,704.10	2,695.90	10.28	53.99	171.15	2,355.08	-2,627.12	3,788.56	3,725.25	63.31	59.842		
2,800.00	2,770.36	2,806.64	2,793.36	10.77	56.05	171.20	2,355.08	-2,627.12	3,810.68	3,744.94	65.74	57.966		
2,900.00	2,867.83	2,909.17	2,890.83	11.26	58.11	171.25	2,355.08	-2,627.12	3,832.82	3,764.63	68.17	56.223		
3,000.00	2,965.29	2,988.29	2,988.29	11.76	59.70	171.30	2,355.08	-2,627.12	3,854.92	3,784.79	70.13	54.965		
3,100.00	3,062.76	3,085.76	3,085.76	12.26	61.66	171.35	2,355.08	-2,627.12	3,877.05	3,804.58	72.47	53.501		
3,200.00	3,160.23	3,183.23	3,183.23	12.76	63.62	171.40	2,355.08	-2,627.12	3,899.18	3,824.38	74.80	52.128		
3,300.00	3,257.69	3,280.69	3,280.69	13.27	65.58	171.45	2,355.08	-2,627.12	3,921.31	3,844.18	77.13	50.838		
3,400.00	3,355.16	3,378.16	3,378.16	13.77	67.54	171.50	2,355.08	-2,627.12	3,943.45	3,863.98	79.47	49.622		
3,500.00	3,452.62	3,475.62	3,475.62	14.28	69.50	171.55	2,355.08	-2,627.12	3,965.59	3,883.78	81.80	48.476		
3,600.00	3,550.09	3,573.09	3,573.09	14.79	71.46	171.59	2,355.08	-2,627.12	3,987.73	3,903.59	84.14	47.393		
3,700.00	3,647.55	3,670.55	3,670.55	15.30	73.42	171.64	2,355.08	-2,627.12	4,009.87	3,923.39	86.48	46.368		
3,800.00	3,745.02	3,768.02	3,768.02	15.81	75.38	171.69	2,355.08	-2,627.12	4,032.02	3,943.20	88.82	45.397		
3,900.00	3,842.49	3,865.49	3,865.49	16.32	77.35	171.73	2,355.08	-2,627.12	4,054.16	3,963.01	91.15	44.476		
4,000.00	3,939.95	3,962.95	3,962.95	16.84	79.31	171.78	2,355.08	-2,627.12	4,076.31	3,982.82	93.49	43.600		
4,100.00	4,037.42	4,060.42	4,060.42	17.35	81.27	171.82	2,355.08	-2,627.12	4,098.47	4,002.64	95.83	42.767		
4,200.00	4,134.88	4,157.88	4,157.88	17.87	83.23	171.87	2,355.08	-2,627.12	4,120.62	4,022.45	98.17	41.974		
4,300.00	4,232.35	4,255.35	4,255.35	18.39	85.19	171.91	2,355.08	-2,627.12	4,142.78	4,042.27	100.51	41.217		
4,400.00	4,329.81	4,352.81	4,352.81	18.90	87.15	171.95	2,355.08	-2,627.12	4,164.94	4,062.09	102.85	40.495		
4,500.00	4,427.28	4,450.28	4,450.28	19.42	89.11	172.00	2,355.08	-2,627.12	4,187.10	4,081.91	105.19	39.804		
4,600.00	4,524.75	4,547.75	4,547.75	19.94	91.07	172.04	2,355.08	-2,627.12	4,209.27	4,101.73	107.53	39.144		
4,700.00	4,622.21	4,645.21	4,645.21	20.46	93.03	172.08	2,355.08	-2,627.12	4,231.43	4,121.56	109.87	38.512		
4,800.00	4,719.68	4,742.68	4,742.68	20.98	94.99	172.12	2,355.08	-2,627.12	4,253.60	4,141.39	112.21	37.906		
4,900.00	4,817.14	4,840.14	4,840.14	21.50	96.95	172.16	2,355.08	-2,627.12	4,275.77	4,161.22	114.56	37.325		
5,000.00	4,914.61	4,937.61	4,937.61	22.02	98.91	172.20	2,355.08	-2,627.12	4,297.94	4,181.05	116.90	36.767		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
5,100.00	5,012.07	5,035.07	5,035.07	22.54	100.87	172.24	2,355.08	-2,627.12	4,320.12	4,200.88	119.24	36.230		
5,200.00	5,109.54	5,132.54	5,132.54	23.06	102.83	172.28	2,355.08	-2,627.12	4,342.30	4,220.71	121.58	35.715		
5,300.00	5,207.01	5,230.01	5,230.01	23.59	104.79	172.32	2,355.08	-2,627.12	4,364.48	4,240.55	123.92	35.219		
5,400.00	5,304.47	5,327.47	5,327.47	24.11	106.75	172.36	2,355.08	-2,627.12	4,386.66	4,260.39	126.27	34.741		
5,500.00	5,401.94	5,424.94	5,424.94	24.63	108.71	172.40	2,355.08	-2,627.12	4,408.84	4,280.23	128.61	34.281		
5,600.00	5,499.40	5,522.40	5,522.40	25.16	110.67	172.44	2,355.08	-2,627.12	4,431.02	4,300.07	130.95	33.837		
5,700.00	5,596.87	5,619.87	5,619.87	25.68	112.63	172.48	2,355.08	-2,627.12	4,453.21	4,319.91	133.30	33.408		
5,800.00	5,694.33	5,717.33	5,717.33	26.20	114.59	172.51	2,355.08	-2,627.12	4,475.40	4,339.76	135.64	32.995		
5,900.00	5,791.80	5,814.80	5,814.80	26.73	116.55	172.55	2,355.08	-2,627.12	4,497.59	4,359.61	137.98	32.595		
6,000.00	5,889.27	5,912.27	5,912.27	27.25	118.51	172.59	2,355.08	-2,627.12	4,519.78	4,379.45	140.33	32.209		
6,100.00	5,986.73	6,009.73	6,009.73	27.78	120.47	172.62	2,355.08	-2,627.12	4,541.97	4,399.30	142.67	31.836		
6,200.00	6,084.20	6,107.20	6,107.20	28.30	122.43	172.66	2,355.08	-2,627.12	4,564.17	4,419.16	145.01	31.474		
6,300.00	6,181.66	6,204.66	6,204.66	28.82	124.39	172.70	2,355.08	-2,627.12	4,586.37	4,439.01	147.36	31.124		
6,400.00	6,279.13	6,302.13	6,302.13	29.35	126.35	172.73	2,355.08	-2,627.12	4,608.56	4,458.86	149.70	30.785		
6,500.00	6,376.59	6,400.41	6,399.59	29.88	128.32	172.77	2,355.08	-2,627.12	4,630.76	4,478.70	152.06	30.453		
6,600.00	6,474.06	6,502.94	6,497.06	30.40	130.39	172.80	2,355.08	-2,627.12	4,652.97	4,498.46	154.51	30.115		
6,700.00	6,571.53	6,605.48	6,594.53	30.93	132.45	172.83	2,355.08	-2,627.12	4,675.17	4,518.22	156.95	29.787		
6,800.00	6,668.99	6,708.01	6,691.99	31.45	134.51	172.87	2,355.08	-2,627.12	4,697.38	4,537.98	159.40	29.469		
6,887.36	6,754.14	6,777.14	6,777.14	31.91	135.90	172.90	2,355.08	-2,627.12	4,716.77	4,555.65	161.13	29.274		
6,900.00	6,766.46	6,789.46	6,789.46	31.98	136.15	172.91	2,355.08	-2,627.12	4,719.55	4,558.13	161.42	29.237		
7,000.00	6,864.39	6,887.39	6,887.39	32.48	138.12	172.99	2,355.08	-2,627.12	4,739.64	4,575.87	163.77	28.941		
7,100.00	6,962.96	6,985.96	6,985.96	32.94	140.10	173.06	2,355.08	-2,627.12	4,756.32	4,590.20	166.13	28.631		
7,200.00	7,062.06	7,085.06	7,085.06	33.36	142.09	173.11	2,355.08	-2,627.12	4,769.58	4,601.09	168.49	28.308		
7,300.00	7,161.57	7,184.57	7,184.57	33.74	144.09	173.15	2,355.08	-2,627.12	4,779.40	4,608.55	170.84	27.975		
7,400.00	7,261.36	7,284.36	7,284.36	34.08	146.10	173.17	2,355.08	-2,627.12	4,785.76	4,612.56	173.20	27.631		
7,500.00	7,361.31	7,384.31	7,384.31	34.39	148.11	173.18	2,355.08	-2,627.12	4,788.66	4,613.11	175.55	27.278		
7,533.69	7,395.00	7,418.00	7,418.00	34.48	148.79	-45.67	2,355.08	-2,627.12	4,788.86	4,612.52	176.34	27.158		
7,600.00	7,461.31	7,484.31	7,484.31	34.65	150.12	-45.67	2,355.08	-2,627.12	4,788.86	4,610.98	177.88	26.923		
7,633.69	7,495.00	7,518.00	7,518.00	34.73	150.80	-45.67	2,355.08	-2,627.12	4,788.86	4,610.20	178.66	26.805		
7,650.00	7,511.31	7,534.31	7,534.31	34.78	151.13	134.66	2,355.08	-2,627.12	4,789.02	4,609.98	179.04	26.749		
7,700.00	7,561.16	7,584.16	7,584.16	34.94	152.13	134.51	2,355.08	-2,627.12	4,791.55	4,611.34	180.21	26.588		
7,750.00	7,610.51	7,633.51	7,633.51	35.14	153.12	134.18	2,355.08	-2,627.12	4,797.13	4,615.74	181.39	26.446		
7,800.00	7,658.98	7,681.98	7,681.98	35.37	154.10	133.65	2,355.08	-2,627.12	4,805.73	4,623.17	182.56	26.324		
7,850.00	7,706.21	7,729.21	7,729.21	35.64	155.05	132.92	2,355.08	-2,627.12	4,817.30	4,633.59	183.71	26.222		
7,900.00	7,751.82	7,774.82	7,774.82	35.93	155.96	131.98	2,355.08	-2,627.12	4,831.78	4,646.94	184.83	26.141		
7,950.00	7,795.49	7,818.49	7,818.49	36.26	156.84	130.79	2,355.08	-2,627.12	4,849.07	4,663.15	185.92	26.082		
8,000.00	7,836.86	7,859.86	7,859.86	36.62	157.67	129.35	2,355.08	-2,627.12	4,869.07	4,682.11	186.96	26.044		
8,050.00	7,875.64	7,901.36	7,898.64	37.00	158.51	127.62	2,355.08	-2,627.12	4,891.66	4,703.66	188.00	26.020 SF		
8,100.00	7,911.52	7,934.52	7,934.52	37.42	159.18	125.57	2,355.08	-2,627.12	4,916.70	4,727.83	188.87	26.033		
8,150.00	7,944.22	7,967.22	7,967.22	37.86	159.83	123.16	2,355.08	-2,627.12	4,944.03	4,754.31	189.72	26.059		
8,200.00	7,973.51	8,003.49	7,996.51	38.32	160.56	120.35	2,355.08	-2,627.12	4,973.47	4,782.83	190.64	26.088		
8,250.00	7,999.16	8,022.16	8,022.16	38.81	160.94	117.10	2,355.08	-2,627.12	5,004.82	4,813.62	191.20	26.176		
8,300.00	8,020.98	8,043.98	8,043.98	39.31	161.38	113.39	2,355.08	-2,627.12	5,037.87	4,846.06	191.80	26.266		
8,350.00	8,038.79	8,061.79	8,061.79	39.84	161.73	109.18	2,355.08	-2,627.12	5,072.38	4,880.06	192.32	26.375		
8,400.00	8,052.46	8,075.46	8,075.46	40.38	162.01	104.50	2,355.08	-2,627.12	5,108.11	4,915.37	192.74	26.502		
8,450.00	8,061.89	8,084.89	8,084.89	40.93	162.20	99.36	2,355.08	-2,627.12	5,144.80	4,951.74	193.06	26.648		
8,500.00	8,067.01	8,109.99	8,090.01	41.49	162.70	93.86	2,355.08	-2,627.12	5,182.17	4,988.49	193.69	26.755		
8,533.77	8,068.00	8,109.00	8,091.00	41.88	162.68	90.00	2,355.08	-2,627.12	5,207.66	5,013.92	193.74	26.880		
8,600.00	8,068.00	8,109.00	8,091.00	42.64	162.68	90.00	2,355.08	-2,627.12	5,257.94	5,064.06	193.88	27.120		
8,700.00	8,068.00	8,109.00	8,091.00	43.82	162.68	90.00	2,355.08	-2,627.12	5,334.52	5,140.42	194.10	27.483		
8,800.00	8,068.00	8,109.00	8,091.00	45.04	162.68	90.00	2,355.08	-2,627.12	5,411.87	5,217.53	194.33	27.849		
8,900.00	8,067.99	8,109.01	8,090.99	46.30	162.68	90.00	2,355.08	-2,627.12	5,489.94	5,295.37	194.57	28.215		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)						
9,000.00	8,067.99	8,109.01	8,090.99	47.59	162.68	90.00	2,355.08	-2,627.12	5,568.72	5,373.90	194.82	28.584		
9,100.00	8,067.99	8,109.01	8,090.99	48.91	162.68	90.00	2,355.08	-2,627.12	5,648.17	5,453.09	195.08	28.954		
9,200.00	8,067.99	8,109.01	8,090.99	50.26	162.68	90.00	2,355.08	-2,627.12	5,728.26	5,532.93	195.34	29.325		
9,300.00	8,067.99	8,109.01	8,090.99	51.63	162.68	90.00	2,355.08	-2,627.12	5,808.97	5,613.37	195.60	29.698		
9,400.00	8,067.99	8,109.01	8,090.99	53.03	162.68	90.00	2,355.08	-2,627.12	5,890.28	5,694.41	195.87	30.072		
9,500.00	8,067.98	8,109.02	8,090.98	54.44	162.68	90.00	2,355.08	-2,627.12	5,972.15	5,776.01	196.14	30.448		
9,600.00	8,067.98	8,109.02	8,090.98	55.88	162.68	90.00	2,355.08	-2,627.12	6,054.56	5,858.15	196.41	30.825		
9,700.00	8,067.98	8,109.02	8,090.98	57.34	162.68	90.00	2,355.08	-2,627.12	6,137.50	5,940.81	196.69	31.204		
9,800.00	8,067.98	8,109.02	8,090.98	58.81	162.68	90.00	2,355.08	-2,627.12	6,220.94	6,023.98	196.96	31.584		
9,900.00	8,067.98	8,109.02	8,090.98	60.31	162.68	90.00	2,355.08	-2,627.12	6,304.86	6,107.63	197.24	31.966		
10,000.00	8,067.98	8,109.02	8,090.98	61.81	162.68	90.00	2,355.08	-2,627.12	6,389.25	6,191.74	197.51	32.349		
10,100.00	8,067.98	8,109.02	8,090.98	63.33	162.68	90.00	2,355.08	-2,627.12	6,474.07	6,276.29	197.78	32.734		
10,200.00	8,067.97	8,109.03	8,090.97	64.86	162.68	90.00	2,355.08	-2,627.12	6,559.33	6,361.28	198.05	33.119		
10,300.00	8,067.97	8,109.03	8,090.97	66.41	162.68	90.00	2,355.08	-2,627.12	6,645.00	6,446.68	198.32	33.506		
10,400.00	8,067.97	8,109.03	8,090.97	67.96	162.68	90.00	2,355.08	-2,627.12	6,731.06	6,532.47	198.59	33.894		
10,500.00	8,067.97	8,109.03	8,090.97	69.53	162.68	90.00	2,355.08	-2,627.12	6,817.51	6,618.65	198.85	34.284		
10,600.00	8,067.97	8,109.03	8,090.97	71.10	162.68	90.00	2,355.08	-2,627.12	6,904.32	6,705.20	199.12	34.675		
10,700.00	8,067.97	8,109.03	8,090.97	72.69	162.68	90.00	2,355.08	-2,627.12	6,991.48	6,792.10	199.38	35.066		
10,800.00	8,067.97	8,109.03	8,090.97	74.28	162.68	90.00	2,355.08	-2,627.12	7,078.98	6,879.34	199.64	35.459		
10,900.00	8,067.97	8,109.03	8,090.97	75.88	162.68	90.00	2,355.08	-2,627.12	7,166.81	6,966.92	199.89	35.853		
11,000.00	8,067.97	8,109.03	8,090.97	77.49	162.68	90.00	2,355.08	-2,627.12	7,254.95	7,054.81	200.15	36.248		
11,100.00	8,067.97	8,109.04	8,090.97	79.10	162.68	90.00	2,355.08	-2,627.12	7,343.40	7,143.00	200.40	36.645		
11,200.00	8,067.96	8,109.04	8,090.96	80.73	162.68	90.00	2,355.08	-2,627.12	7,432.14	7,231.50	200.64	37.042		
11,300.00	8,067.96	8,109.04	8,090.96	82.35	162.68	90.00	2,355.08	-2,627.12	7,521.16	7,320.28	200.89	37.440		
11,400.00	8,067.96	8,109.04	8,090.96	83.99	162.68	90.00	2,355.08	-2,627.12	7,610.46	7,409.33	201.13	37.839		
11,500.00	8,067.96	8,109.04	8,090.96	85.63	162.68	90.00	2,355.08	-2,627.12	7,700.02	7,498.65	201.37	38.239		
11,600.00	8,067.96	8,109.04	8,090.96	87.27	162.68	90.00	2,355.08	-2,627.12	7,789.83	7,588.23	201.60	38.640		
11,700.00	8,067.96	8,109.04	8,090.96	88.92	162.68	90.00	2,355.08	-2,627.12	7,879.89	7,678.06	201.83	39.041		
11,800.00	8,067.96	8,109.04	8,090.96	90.58	162.68	90.00	2,355.08	-2,627.12	7,970.19	7,768.12	202.06	39.444		
11,900.00	8,067.96	8,109.04	8,090.96	92.23	162.68	90.00	2,355.08	-2,627.12	8,060.71	7,858.42	202.29	39.847		
12,000.00	8,067.96	8,109.04	8,090.96	93.90	162.68	90.00	2,355.08	-2,627.12	8,151.46	7,948.94	202.51	40.251		
12,100.00	8,067.96	8,109.04	8,090.96	95.56	162.68	90.00	2,355.08	-2,627.12	8,242.42	8,039.68	202.74	40.656		
12,200.00	8,067.96	8,109.04	8,090.96	97.23	162.68	90.00	2,355.08	-2,627.12	8,333.59	8,130.63	202.95	41.062		
12,300.00	8,067.96	8,109.04	8,090.96	98.91	162.68	90.00	2,355.08	-2,627.12	8,424.95	8,221.78	203.17	41.468		
12,400.00	8,067.96	8,109.04	8,090.96	100.59	162.68	90.00	2,355.08	-2,627.12	8,516.52	8,313.13	203.38	41.875		
12,500.00	8,067.96	8,109.04	8,090.96	102.27	162.68	90.00	2,355.08	-2,627.12	8,608.27	8,404.67	203.59	42.282		
12,600.00	8,067.96	8,109.04	8,090.96	103.95	162.68	90.00	2,355.08	-2,627.12	8,700.20	8,496.40	203.80	42.690		
12,700.00	8,067.96	8,109.04	8,090.96	105.64	162.68	90.00	2,355.08	-2,627.12	8,792.31	8,588.30	204.00	43.099		
12,800.00	8,067.96	8,109.04	8,090.96	107.33	162.68	90.00	2,355.08	-2,627.12	8,884.58	8,680.38	204.21	43.508		
12,900.00	8,067.96	8,109.04	8,090.96	109.02	162.68	90.00	2,355.08	-2,627.12	8,977.03	8,772.62	204.41	43.918		
13,000.00	8,067.96	8,109.04	8,090.96	110.71	162.68	90.00	2,355.08	-2,627.12	9,069.63	8,865.03	204.60	44.328		
13,100.00	8,067.96	8,109.04	8,090.96	112.41	162.68	90.00	2,355.08	-2,627.12	9,162.39	8,957.59	204.80	44.739		
13,200.00	8,067.96	8,109.04	8,090.96	114.11	162.68	90.00	2,355.08	-2,627.12	9,255.30	9,050.31	204.99	45.150		
13,300.00	8,067.96	8,109.05	8,090.96	115.81	162.68	90.00	2,355.08	-2,627.12	9,348.36	9,143.18	205.18	45.562		
13,400.00	8,067.96	8,109.05	8,090.96	117.52	162.68	90.00	2,355.08	-2,627.12	9,441.56	9,236.19	205.37	45.974		
13,500.00	8,067.96	8,109.04	8,090.96	119.22	162.68	90.00	2,355.08	-2,627.12	9,534.90	9,329.34	205.55	46.386		
13,600.00	8,067.96	8,109.04	8,090.96	120.93	162.68	90.00	2,355.08	-2,627.12	9,628.37	9,422.63	205.74	46.799		
13,700.00	8,067.96	8,109.04	8,090.96	122.64	162.68	90.00	2,355.08	-2,627.12	9,721.97	9,516.05	205.92	47.212		
13,800.00	8,067.96	8,109.04	8,090.96	124.35	162.68	90.00	2,355.08	-2,627.12	9,815.70	9,609.60	206.10	47.626		
13,900.00	8,067.96	8,109.04	8,090.96	126.06	162.68	90.00	2,355.08	-2,627.12	9,909.55	9,703.27	206.28	48.040		



# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design      Sec 28-T1N-R68W - EXIST VERT MEIKLE 2 - 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		
0.00	0.00	3.00	3.00	0.00	0.04	91.40	-14.66	600.27	600.45					
100.00	100.00	103.00	103.00	0.13	1.25	91.40	-14.66	600.27	600.45	599.06	1.39	432.567		
200.00	200.00	203.00	203.00	0.49	3.54	91.40	-14.66	600.27	600.45	596.42	4.03	148.893		
300.00	300.00	303.00	303.00	0.85	5.62	91.40	-14.66	600.27	600.45	593.98	6.47	92.824		
400.00	400.00	403.00	403.00	1.21	7.66	91.40	-14.66	600.27	600.45	591.58	8.87	67.702		
500.00	500.00	503.00	503.00	1.57	9.69	91.40	-14.66	600.27	600.45	589.20	11.26	53.343		
600.00	600.00	603.00	603.00	1.93	11.71	91.40	-14.66	600.27	600.45	586.82	13.64	44.029		
700.00	700.00	703.00	703.00	2.29	13.73	91.40	-14.66	600.27	600.45	584.44	16.02	37.493		
800.00	800.00	803.00	803.00	2.64	15.75	91.40	-14.66	600.27	600.45	582.06	18.39	32.650		
900.00	900.00	903.00	903.00	3.00	17.76	91.40	-14.66	600.27	600.45	579.69	20.76	28.917		
1,000.00	1,000.00	1,003.00	1,003.00	3.36	19.78	91.40	-14.66	600.27	600.45	577.31	23.14	25.951		
1,100.00	1,100.00	1,103.00	1,103.00	3.72	21.79	91.40	-14.66	600.27	600.45	574.94	25.51	23.537		
1,200.00	1,200.00	1,203.00	1,203.00	4.08	23.81	91.40	-14.66	600.27	600.45	572.57	27.88	21.535		
1,300.00	1,299.98	1,302.98	1,302.98	4.42	25.82	-49.89	-14.66	600.27	599.33	569.09	30.24	19.821		
1,400.00	1,399.84	1,402.84	1,402.84	4.75	27.83	-50.33	-14.66	600.27	595.97	563.39	32.58	18.294		
1,500.00	1,499.45	1,502.45	1,502.45	5.09	29.83	-51.07	-14.66	600.27	590.43	555.51	34.92	16.909		
1,600.00	1,598.70	1,601.70	1,601.70	5.44	31.83	-52.11	-14.66	600.27	582.83	545.57	37.26	15.642		
1,700.00	1,697.47	1,700.47	1,700.47	5.81	33.82	-53.49	-14.66	600.27	573.29	533.69	39.60	14.476		
1,800.00	1,795.62	1,801.38	1,798.62	6.19	35.85	-55.22	-14.66	600.27	562.04	520.03	42.01	13.380		
1,846.33	1,840.86	1,843.86	1,843.86	6.38	36.70	-56.15	-14.66	600.27	556.31	513.27	43.04	12.925		
1,900.00	1,893.17	1,903.83	1,896.17	6.60	37.91	-57.17	-14.66	600.27	549.59	505.13	44.46	12.362		
2,000.00	1,990.64	2,006.36	1,993.64	7.02	39.97	-59.14	-14.66	600.27	537.57	490.64	46.93	11.455		
2,100.00	2,088.10	2,108.90	2,091.10	7.46	42.03	-61.19	-14.66	600.27	526.22	476.80	49.42	10.648		
2,200.00	2,185.57	2,188.57	2,188.57	7.91	43.64	-63.32	-14.66	600.27	515.59	464.13	51.46	10.019		
2,300.00	2,283.03	2,286.03	2,286.03	8.37	45.60	-65.54	-14.66	600.27	505.73	451.86	53.88	9.387		
2,400.00	2,380.50	2,383.50	2,383.50	8.84	47.56	-67.84	-14.66	600.27	496.69	440.38	56.31	8.821		
2,500.00	2,477.97	2,480.97	2,480.97	9.32	49.52	-70.22	-14.66	600.27	488.50	429.75	58.75	8.315		
2,600.00	2,575.43	2,578.43	2,578.43	9.80	51.48	-72.66	-14.66	600.27	481.21	420.01	61.20	7.863		
2,700.00	2,672.90	2,675.90	2,675.90	10.28	53.44	-75.18	-14.66	600.27	474.87	411.21	63.66	7.460		
2,800.00	2,770.36	2,773.36	2,773.36	10.77	55.40	-77.76	-14.66	600.27	469.50	403.38	66.12	7.101		
2,900.00	2,867.83	2,870.83	2,870.83	11.26	57.36	-80.38	-14.66	600.27	465.15	396.56	68.59	6.782		
3,000.00	2,965.29	2,968.29	2,968.29	11.76	59.32	-83.05	-14.66	600.27	461.85	390.79	71.06	6.499		
3,100.00	3,062.76	3,065.76	3,065.76	12.26	61.28	-85.75	-14.66	600.27	459.61	386.08	73.53	6.250		
3,200.00	3,160.23	3,163.23	3,163.23	12.76	63.24	-88.47	-14.66	600.27	458.45	382.45	76.00	6.032		
3,256.10	3,214.90	3,217.90	3,217.90	13.04	64.34	-90.00	-14.66	600.27	458.28	380.90	77.38	5.922 CC		
3,300.00	3,257.69	3,260.69	3,260.69	13.27	65.20	-91.20	-14.66	600.27	458.39	379.92	78.47	5.842		
3,400.00	3,355.16	3,358.16	3,358.16	13.77	67.16	-93.92	-14.66	600.27	459.41	378.49	80.92	5.677		
3,500.00	3,452.62	3,455.62	3,455.62	14.28	69.12	-96.62	-14.66	600.27	461.52	378.15	83.37	5.536 ES		
3,600.00	3,550.09	3,553.09	3,553.09	14.79	71.08	-99.29	-14.66	600.27	464.69	378.88	85.81	5.415		
3,700.00	3,647.55	3,650.55	3,650.55	15.30	73.04	-101.93	-14.66	600.27	468.92	380.68	88.24	5.314		
3,800.00	3,745.02	3,748.02	3,748.02	15.81	75.00	-104.51	-14.66	600.27	474.16	383.50	90.65	5.230		
3,900.00	3,842.49	3,845.49	3,845.49	16.32	76.96	-107.03	-14.66	600.27	480.38	387.33	93.06	5.162		
4,000.00	3,939.95	3,942.95	3,942.95	16.84	78.92	-109.49	-14.66	600.27	487.56	392.11	95.45	5.108		
4,100.00	4,037.42	4,040.42	4,040.42	17.35	80.88	-111.88	-14.66	600.27	495.64	397.81	97.83	5.066		
4,200.00	4,134.88	4,137.88	4,137.88	17.87	82.84	-114.18	-14.66	600.27	504.59	404.38	100.20	5.036		
4,300.00	4,232.35	4,235.35	4,235.35	18.39	84.80	-116.41	-14.66	600.27	514.35	411.79	102.56	5.015		
4,400.00	4,329.81	4,332.81	4,332.81	18.90	86.76	-118.56	-14.66	600.27	524.88	419.97	104.91	5.003		
4,500.00	4,427.28	4,430.28	4,430.28	19.42	88.72	-120.62	-14.66	600.27	536.15	428.89	107.25	4.999 SF		
4,600.00	4,524.75	4,527.75	4,527.75	19.94	90.68	-122.59	-14.66	600.27	548.09	438.50	109.59	5.001		
4,700.00	4,622.21	4,625.21	4,625.21	20.46	92.64	-124.49	-14.66	600.27	560.67	448.76	111.91	5.010		
4,800.00	4,719.68	4,722.68	4,722.68	20.98	94.60	-126.30	-14.66	600.27	573.85	459.62	114.23	5.023		
4,900.00	4,817.14	4,820.14	4,820.14	21.50	96.56	-128.03	-14.66	600.27	587.59	471.04	116.55	5.041		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
5,000.00	4,914.61	4,917.61	4,917.61	22.02	98.52	-129.68	-14.66	600.27	601.84	482.98	118.86	5.063		
5,100.00	5,012.07	5,015.07	5,015.07	22.54	100.48	-131.26	-14.66	600.27	616.58	495.41	121.17	5.088		
5,200.00	5,109.54	5,112.54	5,112.54	23.06	102.44	-132.76	-14.66	600.27	631.76	508.29	123.48	5.116		
5,300.00	5,207.01	5,210.01	5,210.01	23.59	104.40	-134.20	-14.66	600.27	647.36	521.58	125.78	5.147		
5,400.00	5,304.47	5,307.47	5,307.47	24.11	106.36	-135.57	-14.66	600.27	663.35	535.27	128.08	5.179		
5,500.00	5,401.94	5,404.94	5,404.94	24.63	108.33	-136.87	-14.66	600.27	679.70	549.32	130.38	5.213		
5,600.00	5,499.40	5,502.40	5,502.40	25.16	110.29	-138.12	-14.66	600.27	696.39	563.70	132.68	5.249		
5,700.00	5,596.87	5,600.13	5,599.87	25.68	112.25	-139.30	-14.66	600.27	713.38	578.40	134.99	5.285		
5,800.00	5,694.33	5,702.67	5,697.33	26.20	114.31	-140.44	-14.66	600.27	730.67	593.28	137.39	5.318		
5,900.00	5,791.80	5,805.20	5,794.80	26.73	116.37	-141.52	-14.66	600.27	748.22	608.43	139.79	5.353		
6,000.00	5,889.27	5,907.74	5,892.27	27.25	118.44	-142.55	-14.66	600.27	766.03	623.84	142.19	5.387		
6,100.00	5,986.73	5,989.73	5,989.73	27.78	120.09	-143.53	-14.66	600.27	784.07	639.89	144.18	5.438		
6,200.00	6,084.20	6,087.20	6,087.20	28.30	122.05	-144.47	-14.66	600.27	802.33	655.85	146.48	5.477		
6,300.00	6,181.66	6,184.66	6,184.66	28.82	124.01	-145.37	-14.66	600.27	820.79	672.01	148.78	5.517		
6,400.00	6,279.13	6,282.13	6,282.13	29.35	125.97	-146.24	-14.66	600.27	839.44	688.36	151.08	5.556		
6,500.00	6,376.59	6,379.59	6,379.59	29.88	127.93	-147.06	-14.66	600.27	858.27	704.88	153.38	5.596		
6,600.00	6,474.06	6,477.06	6,477.06	30.40	129.89	-147.85	-14.66	600.27	877.26	721.58	155.69	5.635		
6,700.00	6,571.53	6,574.53	6,574.53	30.93	131.85	-148.60	-14.66	600.27	896.41	738.42	157.99	5.674		
6,800.00	6,668.99	6,671.99	6,671.99	31.45	133.81	-149.33	-14.66	600.27	915.71	755.41	160.30	5.713		
6,887.36	6,754.14	6,757.14	6,757.14	31.91	135.52	-149.94	-14.66	600.27	932.68	770.37	162.31	5.746		
6,900.00	6,766.46	6,769.46	6,769.46	31.98	135.77	-150.05	-14.66	600.27	935.12	772.52	162.60	5.751		
7,000.00	6,864.39	6,867.39	6,867.39	32.48	137.74	-150.83	-14.66	600.27	952.81	787.89	164.92	5.777		
7,100.00	6,962.96	6,965.96	6,965.96	32.94	139.72	-151.45	-14.66	600.27	967.58	800.34	167.24	5.786		
7,200.00	7,062.06	7,065.06	7,065.06	33.36	141.71	-151.94	-14.66	600.27	979.36	809.79	169.57	5.776		
7,300.00	7,161.57	7,164.57	7,164.57	33.74	143.71	-152.29	-14.66	600.27	988.11	816.20	171.90	5.748		
7,400.00	7,261.36	7,264.36	7,264.36	34.08	145.72	-152.51	-14.66	600.27	993.79	819.55	174.24	5.704		
7,500.00	7,361.31	7,364.31	7,364.31	34.39	147.73	-152.61	-14.66	600.27	996.38	819.81	176.57	5.643		
7,533.69	7,395.00	7,402.00	7,398.00	34.48	148.49	-11.47	-14.66	600.27	996.55	819.13	177.43	5.617		
7,600.00	7,461.31	7,464.31	7,464.31	34.65	149.74	-11.47	-14.66	600.27	996.55	817.68	178.88	5.571		
7,633.69	7,495.00	7,502.00	7,498.00	34.73	150.50	-11.47	-14.66	600.27	996.55	816.82	179.74	5.544		
7,650.00	7,511.31	7,514.31	7,514.31	34.78	150.74	168.86	-14.66	600.27	996.78	816.75	180.04	5.537		
7,700.00	7,561.16	7,564.16	7,564.16	34.94	151.75	168.84	-14.66	600.27	1,000.32	819.11	181.20	5.520		
7,750.00	7,610.51	7,613.51	7,613.51	35.14	152.74	168.77	-14.66	600.27	1,008.10	825.73	182.37	5.528		
7,800.00	7,658.98	7,661.98	7,661.98	35.37	153.71	168.66	-14.66	600.27	1,020.08	836.56	183.52	5.558		
7,850.00	7,706.21	7,709.21	7,709.21	35.64	154.66	168.51	-14.66	600.27	1,036.17	851.52	184.66	5.611		
7,900.00	7,751.82	7,754.82	7,754.82	35.93	155.58	168.29	-14.66	600.27	1,056.25	870.50	185.76	5.686		
7,950.00	7,795.49	7,801.51	7,798.49	36.26	156.52	168.00	-14.66	600.27	1,080.19	893.31	186.87	5.780		
8,000.00	7,836.86	7,839.86	7,839.86	36.62	157.29	167.60	-14.66	600.27	1,107.79	919.97	187.82	5.898		
8,050.00	7,875.64	7,878.64	7,878.64	37.00	158.07	167.08	-14.66	600.27	1,138.87	950.11	188.76	6.033		
8,100.00	7,911.52	7,914.52	7,914.52	37.42	158.79	166.39	-14.66	600.27	1,173.19	983.55	189.64	6.186		
8,150.00	7,944.22	7,947.22	7,947.22	37.86	159.45	165.46	-14.66	600.27	1,210.49	1,020.05	190.44	6.356		
8,200.00	7,973.51	7,976.51	7,976.51	38.32	160.04	164.19	-14.66	600.27	1,250.49	1,059.34	191.15	6.542		
8,250.00	7,999.16	8,002.16	8,002.16	38.81	160.56	162.43	-14.66	600.27	1,292.90	1,101.12	191.78	6.742		
8,300.00	8,020.98	8,023.98	8,023.98	39.31	160.99	159.87	-14.66	600.27	1,337.39	1,145.08	192.31	6.954		
8,350.00	8,038.79	8,041.79	8,041.79	39.84	161.35	155.99	-14.66	600.27	1,383.62	1,190.88	192.74	7.179		
8,400.00	8,052.46	8,055.46	8,055.46	40.38	161.63	149.61	-14.66	600.27	1,431.25	1,238.17	193.08	7.413		
8,450.00	8,061.89	8,064.89	8,064.89	40.93	161.82	138.00	-14.66	600.27	1,479.90	1,286.60	193.30	7.656		
8,500.00	8,067.01	8,070.01	8,070.01	41.49	161.92	114.90	-14.66	600.27	1,529.22	1,335.78	193.43	7.906		
8,533.77	8,068.00	8,071.00	8,071.00	41.88	161.94	89.99	-14.66	600.27	1,562.70	1,369.24	193.46	8.078		
8,600.00	8,068.00	8,071.00	8,071.00	42.64	161.94	89.99	-14.66	600.27	1,628.45	1,434.98	193.47	8.417		
8,700.00	8,068.00	8,071.00	8,071.00	43.82	161.94	89.99	-14.66	600.27	1,727.79	1,534.31	193.48	8.930		
8,800.00	8,068.00	8,071.00	8,071.00	45.04	161.94	89.99	-14.66	600.27	1,827.20	1,633.71	193.50	9.443		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Sec 28-T1N-R68W - EXIST VERT MEIKLE 2 - 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											
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning				
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	(usft)	(usft)	(usft)						
8,900.00	8,067.99	8,070.99	8,070.99	46.30	161.94	89.99	-14.66	600.27	1,926.67	1,733.16	193.51	9.956					
9,000.00	8,067.99	8,070.99	8,070.99	47.59	161.94	89.99	-14.66	600.27	2,026.20	1,832.67	193.53	10.470					
9,100.00	8,067.99	8,070.99	8,070.99	48.91	161.94	89.99	-14.66	600.27	2,125.77	1,932.22	193.55	10.983					
9,200.00	8,067.99	8,070.99	8,070.99	50.26	161.94	89.99	-14.66	600.27	2,225.38	2,031.81	193.57	11.497					
9,300.00	8,067.99	8,070.99	8,070.99	51.63	161.94	89.99	-14.66	600.27	2,325.02	2,131.43	193.59	12.010					
9,400.00	8,067.99	8,070.99	8,070.99	53.03	161.94	89.99	-14.66	600.27	2,424.69	2,231.08	193.61	12.524					
9,500.00	8,067.98	8,070.98	8,070.98	54.44	161.94	89.99	-14.66	600.27	2,524.39	2,330.76	193.63	13.037					
9,600.00	8,067.98	8,070.98	8,070.98	55.88	161.94	89.99	-14.66	600.27	2,624.11	2,430.46	193.65	13.551					
9,700.00	8,067.98	8,070.98	8,070.98	57.34	161.94	89.99	-14.66	600.27	2,723.85	2,530.17	193.67	14.064					
9,800.00	8,067.98	8,070.98	8,070.98	58.81	161.94	89.99	-14.66	600.27	2,823.61	2,629.91	193.70	14.577					
9,900.00	8,067.98	8,070.98	8,070.98	60.31	161.94	89.99	-14.66	600.27	2,923.38	2,729.66	193.72	15.090					
10,000.00	8,067.98	8,070.98	8,070.98	61.81	161.94	89.99	-14.66	600.27	3,023.17	2,829.42	193.75	15.603					
10,100.00	8,067.98	8,070.98	8,070.98	63.33	161.94	89.99	-14.66	600.27	3,122.98	2,929.20	193.78	16.116					
10,200.00	8,067.97	8,070.97	8,070.97	64.86	161.94	89.99	-14.66	600.27	3,222.79	3,028.99	193.81	16.629					
10,300.00	8,067.97	8,070.97	8,070.97	66.41	161.94	89.99	-14.66	600.27	3,322.62	3,128.78	193.83	17.142					
10,400.00	8,067.97	8,070.97	8,070.97	67.96	161.94	89.99	-14.66	600.27	3,422.46	3,228.59	193.86	17.654					
10,500.00	8,067.97	8,070.97	8,070.97	69.53	161.94	89.99	-14.66	600.27	3,522.30	3,328.41	193.90	18.166					
10,600.00	8,067.97	8,070.97	8,070.97	71.10	161.94	89.99	-14.66	600.27	3,622.16	3,428.23	193.93	18.678					
10,700.00	8,067.97	8,070.97	8,070.97	72.69	161.94	89.99	-14.66	600.27	3,722.02	3,528.06	193.96	19.190					
10,800.00	8,067.97	8,070.97	8,070.97	74.28	161.94	89.99	-14.66	600.27	3,821.89	3,627.90	193.99	19.701					
10,900.00	8,067.97	8,070.97	8,070.97	75.88	161.94	89.99	-14.66	600.27	3,921.77	3,727.74	194.03	20.212					
11,000.00	8,067.97	8,070.97	8,070.97	77.49	161.94	89.99	-14.66	600.27	4,021.65	3,827.59	194.06	20.723					
11,100.00	8,067.97	8,070.97	8,070.97	79.10	161.94	89.99	-14.66	600.27	4,121.54	3,927.44	194.10	21.234					
11,200.00	8,067.96	8,070.96	8,070.96	80.73	161.94	89.99	-14.66	600.27	4,221.43	4,027.29	194.14	21.745					
11,300.00	8,067.96	8,070.96	8,070.96	82.35	161.94	89.99	-14.66	600.27	4,321.33	4,127.16	194.17	22.255					
11,400.00	8,067.96	8,070.96	8,070.96	83.99	161.94	89.99	-14.66	600.27	4,421.23	4,227.02	194.21	22.765					
11,500.00	8,067.96	8,070.96	8,070.96	85.63	161.94	89.99	-14.66	600.27	4,521.14	4,326.89	194.25	23.275					
11,600.00	8,067.96	8,070.96	8,070.96	87.27	161.94	89.99	-14.66	600.27	4,621.05	4,426.76	194.29	23.784					
11,700.00	8,067.96	8,070.96	8,070.96	88.92	161.94	89.99	-14.66	600.27	4,720.97	4,526.63	194.33	24.293					
11,800.00	8,067.96	8,070.96	8,070.96	90.58	161.94	89.99	-14.66	600.27	4,820.88	4,626.51	194.37	24.802					
11,900.00	8,067.96	8,070.96	8,070.96	92.23	161.94	89.99	-14.66	600.27	4,920.81	4,726.39	194.42	25.311					
12,000.00	8,067.96	8,070.96	8,070.96	93.90	161.94	89.99	-14.66	600.27	5,020.73	4,826.27	194.46	25.819					
12,100.00	8,067.96	8,070.96	8,070.96	95.56	161.94	89.99	-14.66	600.27	5,120.66	4,926.15	194.50	26.327					
12,200.00	8,067.96	8,070.96	8,070.96	97.23	161.94	89.99	-14.66	600.27	5,220.59	5,026.04	194.55	26.834					
12,300.00	8,067.96	8,070.96	8,070.96	98.91	161.94	89.99	-14.66	600.27	5,320.52	5,125.93	194.60	27.341					
12,400.00	8,067.96	8,070.96	8,070.96	100.59	161.94	89.99	-14.66	600.27	5,420.46	5,225.82	194.64	27.848					
12,500.00	8,067.96	8,070.96	8,070.96	102.27	161.94	89.99	-14.66	600.27	5,520.40	5,325.71	194.69	28.355					
12,600.00	8,067.96	8,070.96	8,070.96	103.95	161.94	90.00	-14.66	600.27	5,620.34	5,425.60	194.74	28.861					
12,700.00	8,067.96	8,070.96	8,070.96	105.64	161.94	90.00	-14.66	600.27	5,720.28	5,525.49	194.79	29.367					
12,800.00	8,067.96	8,070.96	8,070.96	107.33	161.94	90.00	-14.66	600.27	5,820.23	5,625.39	194.84	29.872					
12,900.00	8,067.96	8,070.96	8,070.96	109.02	161.94	90.00	-14.66	600.27	5,920.17	5,725.28	194.89	30.377					
13,000.00	8,067.96	8,070.96	8,070.96	110.71	161.94	90.00	-14.66	600.27	6,020.12	5,825.18	194.94	30.882					
13,100.00	8,067.96	8,070.96	8,070.96	112.41	161.94	90.00	-14.66	600.27	6,120.07	5,925.08	194.99	31.386					
13,200.00	8,067.96	8,070.96	8,070.96	114.11	161.94	90.00	-14.66	600.27	6,220.02	6,024.98	195.04	31.890					
13,300.00	8,067.96	8,070.96	8,070.96	115.81	161.94	90.00	-14.66	600.27	6,319.97	6,124.88	195.10	32.394					
13,400.00	8,067.96	8,070.96	8,070.96	117.52	161.94	90.00	-14.66	600.27	6,419.93	6,224.78	195.15	32.897					
13,500.00	8,067.96	8,070.96	8,070.96	119.22	161.94	90.00	-14.66	600.27	6,519.88	6,324.68	195.21	33.400					
13,600.00	8,067.96	8,070.96	8,070.96	120.93	161.94	90.00	-14.66	600.27	6,619.84	6,424.58	195.26	33.902					
13,700.00	8,067.96	8,070.96	8,070.96	122.64	161.94	90.00	-14.66	600.27	6,719.80	6,524.48	195.32	34.404					
13,800.00	8,067.96	8,070.96	8,070.96	124.35	161.94	90.00	-14.66	600.27	6,819.76	6,624.38	195.38	34.905					
13,900.00	8,067.96	8,070.96	8,070.96	126.06	161.94	90.00	-14.66	600.27	6,919.72	6,724.28	195.44	35.407					
14,000.00	8,067.96	8,070.96	8,070.96	127.78	161.94	90.01	-14.66	600.27	7,019.68	6,824.19	195.50	35.907					

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	8,067.96	8,070.96	8,070.96	129.50	161.94	90.01	-14.66	600.27	7,119.65	6,924.09	195.55	36.407		
14,200.00	8,067.96	8,070.96	8,070.96	131.21	161.94	90.01	-14.66	600.27	7,219.61	7,023.99	195.62	36.907		
14,300.00	8,067.96	8,070.96	8,070.96	132.93	161.94	90.01	-14.66	600.27	7,319.57	7,123.90	195.68	37.407		
14,400.00	8,067.96	8,070.96	8,070.96	134.65	161.94	90.01	-14.66	600.27	7,419.54	7,223.80	195.74	37.905		
14,500.00	8,067.96	8,070.96	8,070.96	136.38	161.94	90.01	-14.66	600.27	7,519.51	7,323.71	195.80	38.404		
14,600.00	8,067.96	8,070.96	8,070.96	138.10	161.94	90.01	-14.66	600.27	7,619.48	7,423.61	195.86	38.902		
14,700.00	8,067.96	8,070.96	8,070.96	139.82	161.94	90.01	-14.66	600.27	7,719.44	7,523.52	195.93	39.399		
14,800.00	8,067.96	8,070.96	8,070.96	141.55	161.94	90.01	-14.66	600.27	7,819.41	7,623.42	195.99	39.897		
14,900.00	8,067.96	8,070.96	8,070.96	143.28	161.94	90.01	-14.66	600.27	7,919.38	7,723.33	196.06	40.393		
15,000.00	8,067.96	8,070.96	8,070.96	145.00	161.94	90.02	-14.66	600.27	8,019.35	7,823.23	196.12	40.889		
15,100.00	8,067.96	8,070.96	8,070.96	146.73	161.94	90.02	-14.66	600.27	8,119.33	7,923.14	196.19	41.385		
15,200.00	8,067.96	8,070.96	8,070.96	148.46	161.94	90.02	-14.66	600.27	8,219.30	8,023.04	196.26	41.880		
15,300.00	8,067.96	8,070.96	8,070.96	150.19	161.94	90.02	-14.66	600.27	8,319.27	8,122.95	196.33	42.375		
15,400.00	8,067.96	8,070.96	8,070.96	151.93	161.94	90.02	-14.66	600.27	8,419.24	8,222.85	196.39	42.869		
15,500.00	8,067.96	8,070.96	8,070.96	153.66	161.94	90.02	-14.66	600.27	8,519.22	8,322.76	196.46	43.363		
15,600.00	8,067.96	8,070.96	8,070.96	155.39	161.94	90.02	-14.66	600.27	8,619.19	8,422.66	196.53	43.856		
15,700.00	8,067.97	8,070.97	8,070.97	157.13	161.94	90.02	-14.66	600.27	8,719.17	8,522.56	196.60	44.349		
15,800.00	8,067.97	8,070.97	8,070.97	158.86	161.94	90.02	-14.66	600.27	8,819.15	8,622.47	196.68	44.841		
15,900.00	8,067.97	8,070.97	8,070.97	160.60	161.94	90.03	-14.66	600.27	8,919.12	8,722.37	196.75	45.333		
16,000.00	8,067.97	8,070.97	8,070.97	162.34	161.94	90.03	-14.66	600.27	9,019.10	8,822.28	196.82	45.824		
16,100.00	8,067.97	8,070.97	8,070.97	164.08	161.94	90.03	-14.66	600.27	9,119.08	8,922.18	196.89	46.315		
16,200.00	8,067.97	8,070.97	8,070.97	165.81	161.94	90.03	-14.66	600.27	9,219.05	9,022.09	196.97	46.805		
16,300.00	8,067.97	8,070.97	8,070.97	167.55	161.94	90.03	-14.66	600.27	9,319.03	9,121.99	197.04	47.295		
16,400.00	8,067.97	8,070.97	8,070.97	169.29	161.94	90.03	-14.66	600.27	9,419.01	9,221.89	197.12	47.784		
16,500.00	8,067.97	8,070.97	8,070.97	171.04	161.94	90.03	-14.66	600.27	9,518.99	9,321.80	197.19	48.272		
16,600.00	8,067.98	8,070.98	8,070.98	172.78	161.94	90.04	-14.66	600.27	9,618.97	9,421.70	197.27	48.760		
16,700.00	8,067.98	8,070.98	8,070.98	174.52	161.94	90.04	-14.66	600.27	9,718.95	9,521.60	197.35	49.248		
16,800.00	8,067.98	8,070.98	8,070.98	176.26	161.94	90.04	-14.66	600.27	9,818.93	9,621.51	197.42	49.735		
16,900.00	8,067.98	8,070.98	8,070.98	178.01	161.94	90.04	-14.66	600.27	9,918.91	9,721.41	197.50	50.222		

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
0.00	0.00	0.00	0.00	0.00	0.00	150.57	-433.58	244.58	498.09					
100.00	100.00	83.00	83.00	0.13	0.97	150.57	-433.58	244.58	497.80	496.70	1.11	449.749		
200.00	200.00	183.00	183.00	0.49	3.08	150.57	-433.58	244.58	497.80	494.23	3.57	139.448		
300.00	300.00	283.00	283.00	0.85	5.19	150.57	-433.58	244.58	497.80	491.76	6.04	82.364		
400.00	400.00	383.00	383.00	1.21	7.24	150.57	-433.58	244.58	497.80	489.35	8.45	58.905		
500.00	500.00	483.00	483.00	1.57	9.27	150.57	-433.58	244.58	497.80	486.96	10.84	45.920		
600.00	600.00	583.00	583.00	1.93	11.30	150.57	-433.58	244.58	497.80	484.58	13.22	37.647		
700.00	700.00	683.00	683.00	2.29	13.32	150.57	-433.58	244.58	497.80	482.20	15.60	31.908		
800.00	800.00	783.00	783.00	2.64	15.33	150.57	-433.58	244.58	497.80	479.83	17.98	27.691		
900.00	900.00	883.00	883.00	3.00	17.35	150.57	-433.58	244.58	497.80	477.45	20.35	24.460		
1,000.00	1,000.00	983.00	983.00	3.36	19.36	150.57	-433.58	244.58	497.80	475.08	22.73	21.905		
1,100.00	1,100.00	1,083.00	1,083.00	3.72	21.38	150.57	-433.58	244.58	497.80	472.71	25.10	19.835		
1,200.00	1,200.00	1,183.00	1,183.00	4.08	23.39	150.57	-433.58	244.58	497.80	470.33	27.47	18.122		
1,300.00	1,299.98	1,282.98	1,282.98	4.42	25.41	9.46	-433.58	244.58	496.08	466.26	29.83	16.633		
1,400.00	1,399.84	1,382.84	1,382.84	4.75	27.42	9.58	-433.58	244.58	490.92	458.75	32.17	15.261		
1,500.00	1,499.45	1,482.45	1,482.45	5.09	29.42	9.78	-433.58	244.58	482.33	447.82	34.51	13.977		
1,600.00	1,598.70	1,581.70	1,581.70	5.44	31.42	10.08	-433.58	244.58	470.32	433.48	36.85	12.765		
1,700.00	1,697.47	1,680.47	1,680.47	5.81	33.40	10.48	-433.58	244.58	454.93	415.75	39.18	11.613		
1,800.00	1,795.62	1,778.62	1,778.62	6.19	35.38	11.01	-433.58	244.58	436.17	394.67	41.50	10.511		
1,846.33	1,840.86	1,823.86	1,823.86	6.38	36.29	11.30	-433.58	244.58	426.35	383.78	42.57	10.015		
1,900.00	1,893.17	1,876.17	1,876.17	6.60	37.34	11.63	-433.58	244.58	414.57	370.76	43.81	9.463		
2,000.00	1,990.64	1,973.64	1,973.64	7.02	39.30	12.28	-433.58	244.58	392.66	346.54	46.12	8.514		
2,100.00	2,088.10	2,071.10	2,071.10	7.46	41.26	13.02	-433.58	244.58	370.81	322.37	48.43	7.656		
2,200.00	2,185.57	2,168.57	2,168.57	7.91	43.22	13.85	-433.58	244.58	349.02	298.27	50.75	6.877		
2,300.00	2,283.03	2,266.03	2,266.03	8.37	45.19	14.78	-433.58	244.58	327.31	274.23	53.08	6.166		
2,400.00	2,380.50	2,363.50	2,363.50	8.84	47.15	15.85	-433.58	244.58	305.70	250.29	55.41	5.517		
2,500.00	2,477.97	2,460.96	2,460.96	9.32	49.11	17.08	-433.58	244.58	284.20	226.45	57.75	4.921		
2,600.00	2,575.43	2,558.43	2,558.43	9.80	51.07	18.51	-433.58	244.58	262.85	202.75	60.09	4.374		
2,700.00	2,672.90	2,655.90	2,655.90	10.28	53.03	20.18	-433.58	244.58	241.68	179.23	62.44	3.870		
2,800.00	2,770.36	2,753.36	2,753.36	10.77	54.99	22.18	-433.58	244.58	220.75	155.94	64.81	3.406		
2,900.00	2,867.83	2,850.83	2,850.83	11.26	56.95	24.59	-433.58	244.58	200.13	132.94	67.19	2.978		
3,000.00	2,965.29	2,948.29	2,948.29	11.76	58.91	27.54	-433.58	244.58	179.93	110.33	69.60	2.585		
3,100.00	3,062.76	3,045.76	3,045.76	12.26	60.87	31.21	-433.58	244.58	160.31	88.27	72.04	2.225		
3,200.00	3,160.23	3,143.23	3,143.23	12.76	62.83	35.87	-433.58	244.58	141.50	66.98	74.52	1.899		
3,300.00	3,257.69	3,240.69	3,240.69	13.27	64.79	41.88	-433.58	244.58	123.89	46.81	77.08	1.607		
3,400.00	3,355.16	3,338.16	3,338.16	13.77	66.75	49.70	-433.58	244.58	108.05	28.33	79.73	1.355 Level 3		
3,500.00	3,452.62	3,435.62	3,435.62	14.28	68.71	59.87	-433.58	244.58	94.88	12.41	82.47	1.150 Level 2		
3,600.00	3,550.09	3,533.09	3,533.09	14.79	70.67	72.62	-433.58	244.58	85.62	0.36	85.26	1.004 Level 2		
3,700.00	3,647.55	3,630.55	3,630.55	15.30	72.63	87.39	-433.58	244.58	81.61	-6.31	87.92	0.928 Level 1		
3,717.03	3,664.15	3,647.15	3,647.15	15.39	72.96	90.00	-433.58	244.58	81.52	-6.83	88.35	0.923 Level 1, CC, ES, SF		
3,800.00	3,745.02	3,728.02	3,728.02	15.81	74.59	102.51	-433.58	244.58	83.61	-6.69	90.30	0.926 Level 1		
3,900.00	3,842.49	3,825.49	3,825.49	16.32	76.55	116.08	-433.58	244.58	91.22	-1.19	92.41	0.987 Level 1		
4,000.00	3,939.95	3,922.95	3,922.95	16.84	78.51	127.12	-433.58	244.58	103.21	8.80	94.41	1.093 Level 2		
4,100.00	4,037.42	4,020.42	4,020.42	17.35	80.47	135.69	-433.58	244.58	118.26	21.84	96.42	1.227 Level 2		
4,200.00	4,134.88	4,117.88	4,117.88	17.87	82.43	142.26	-433.58	244.58	135.35	36.86	98.49	1.374 Level 3		
4,300.00	4,232.35	4,215.35	4,215.35	18.39	84.39	147.33	-433.58	244.58	153.79	53.18	100.62	1.529		
4,400.00	4,329.81	4,312.81	4,312.81	18.90	86.35	151.30	-433.58	244.58	173.17	70.38	102.79	1.685		
4,500.00	4,427.28	4,410.28	4,410.28	19.42	88.31	154.47	-433.58	244.58	193.19	88.19	105.01	1.840		
4,600.00	4,524.75	4,507.75	4,507.75	19.94	90.27	157.05	-433.58	244.58	213.68	106.43	107.25	1.992		
4,700.00	4,622.21	4,605.21	4,605.21	20.46	92.23	159.18	-433.58	244.58	234.52	125.01	109.51	2.141		
4,800.00	4,719.68	4,702.68	4,702.68	20.98	94.19	160.95	-433.58	244.58	255.61	143.82	111.79	2.287		
4,900.00	4,817.14	4,800.14	4,800.14	21.50	96.15	162.46	-433.58	244.58	276.91	162.83	114.08	2.427		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
5,000.00	4,914.61	4,902.39	4,897.61	22.02	98.21	163.75	-433.58	244.58	298.36	181.88	116.47	2.562	
5,100.00	5,012.07	5,004.93	4,995.07	22.54	100.27	164.87	-433.58	244.58	319.94	201.05	118.88	2.691	
5,200.00	5,109.54	5,107.46	5,092.54	23.06	102.33	165.85	-433.58	244.58	341.61	220.32	121.30	2.816	
5,300.00	5,207.01	5,210.00	5,190.01	23.59	104.39	166.71	-433.58	244.58	363.38	239.67	123.71	2.937	
5,400.00	5,304.47	5,287.47	5,287.47	24.11	105.95	167.47	-433.58	244.58	385.21	259.58	125.63	3.066	
5,500.00	5,401.94	5,384.94	5,384.94	24.63	107.91	168.16	-433.58	244.58	407.10	279.15	127.95	3.182	
5,600.00	5,499.40	5,482.40	5,482.40	25.16	109.87	168.77	-433.58	244.58	429.04	298.77	130.28	3.293	
5,700.00	5,596.87	5,579.87	5,579.87	25.68	111.83	169.32	-433.58	244.58	451.03	318.42	132.60	3.401	
5,800.00	5,694.33	5,677.33	5,677.33	26.20	113.79	169.82	-433.58	244.58	473.05	338.11	134.93	3.506	
5,900.00	5,791.80	5,774.80	5,774.80	26.73	115.75	170.28	-433.58	244.58	495.10	357.83	137.26	3.607	
6,000.00	5,889.27	5,872.27	5,872.27	27.25	117.71	170.70	-433.58	244.58	517.17	377.58	139.59	3.705	
6,100.00	5,986.73	5,969.73	5,969.73	27.78	119.67	171.08	-433.58	244.58	539.28	397.35	141.93	3.800	
6,200.00	6,084.20	6,067.20	6,067.20	28.30	121.63	171.44	-433.58	244.58	561.40	417.14	144.26	3.892	
6,300.00	6,181.66	6,164.66	6,164.66	28.82	123.59	171.76	-433.58	244.58	583.54	436.95	146.59	3.981	
6,400.00	6,279.13	6,262.13	6,262.13	29.35	125.55	172.07	-433.58	244.58	605.70	456.77	148.93	4.067	
6,500.00	6,376.59	6,359.59	6,359.59	29.88	127.51	172.35	-433.58	244.58	627.88	476.61	151.26	4.151	
6,600.00	6,474.06	6,457.06	6,457.06	30.40	129.47	172.61	-433.58	244.58	650.06	496.46	153.60	4.232	
6,700.00	6,571.53	6,554.53	6,554.53	30.93	131.43	172.86	-433.58	244.58	672.26	516.32	155.94	4.311	
6,800.00	6,668.99	6,651.99	6,651.99	31.45	133.39	173.09	-433.58	244.58	694.47	536.20	158.28	4.388	
6,887.36	6,754.14	6,737.14	6,737.14	31.91	135.11	173.27	-433.58	244.58	713.88	553.57	160.32	4.453	
6,900.00	6,766.46	6,749.46	6,749.46	31.98	135.35	173.31	-433.58	244.58	716.67	556.05	160.61	4.462	
7,000.00	6,864.39	6,847.39	6,847.39	32.48	137.32	173.54	-433.58	244.58	736.77	573.81	162.96	4.521	
7,100.00	6,962.96	6,945.96	6,945.96	32.94	139.31	173.72	-433.58	244.58	753.47	588.16	165.31	4.558	
7,200.00	7,062.06	7,045.06	7,045.06	33.36	141.30	173.86	-433.58	244.58	766.75	599.09	167.67	4.573	
7,300.00	7,161.57	7,144.57	7,144.57	33.74	143.30	173.95	-433.58	244.58	776.58	606.56	170.02	4.568	
7,400.00	7,261.36	7,244.36	7,244.36	34.08	145.31	174.02	-433.58	244.58	782.95	610.58	172.38	4.542	
7,500.00	7,361.31	7,344.31	7,344.31	34.39	147.32	174.05	-433.58	244.58	785.86	611.13	174.73	4.498	
7,533.69	7,395.00	7,378.00	7,378.00	34.48	147.99	-44.80	-433.58	244.58	786.06	610.54	175.51	4.479	
7,600.00	7,461.31	7,444.31	7,444.31	34.65	149.33	-44.80	-433.58	244.58	786.06	609.00	177.05	4.440	
7,633.69	7,495.00	7,478.00	7,478.00	34.73	150.00	-44.80	-433.58	244.58	786.06	608.22	177.83	4.420	
7,650.00	7,511.31	7,505.69	7,494.31	34.78	150.56	135.54	-433.58	244.58	786.22	607.78	178.44	4.406	
7,700.00	7,561.16	7,544.16	7,544.16	34.94	151.34	135.54	-433.58	244.58	788.79	609.41	179.38	4.397	
7,750.00	7,610.51	7,606.49	7,593.51	35.14	152.59	135.54	-433.58	244.58	794.49	613.68	180.81	4.394	
7,800.00	7,658.98	7,641.98	7,641.98	35.37	153.30	135.51	-433.58	244.58	803.33	621.63	181.70	4.421	
7,850.00	7,706.21	7,689.21	7,689.21	35.64	154.25	135.43	-433.58	244.58	815.34	632.51	182.83	4.460	
7,900.00	7,751.82	7,734.82	7,734.82	35.93	155.17	135.27	-433.58	244.58	830.52	646.60	183.92	4.516	
7,950.00	7,795.49	7,778.49	7,778.49	36.26	156.05	134.98	-433.58	244.58	848.89	663.91	184.98	4.589	
8,000.00	7,836.86	7,819.86	7,819.86	36.62	156.88	134.50	-433.58	244.58	870.43	684.45	185.98	4.680	
8,050.00	7,875.64	7,858.64	7,858.64	37.00	157.66	133.77	-433.58	244.58	895.08	708.15	186.92	4.788	
8,100.00	7,911.52	7,905.49	7,894.52	37.42	158.60	132.72	-433.58	244.58	922.77	734.74	188.02	4.908	
8,150.00	7,944.22	7,927.22	7,927.22	37.86	159.04	131.27	-433.58	244.58	953.36	764.76	188.60	5.055	
8,200.00	7,973.51	7,956.51	7,956.51	38.32	159.63	129.28	-433.58	244.58	986.70	797.38	189.32	5.212	
8,250.00	7,999.16	7,982.16	7,982.16	38.81	160.14	126.64	-433.58	244.58	1,022.59	832.64	189.95	5.383	
8,300.00	8,020.98	8,003.98	8,003.98	39.31	160.58	123.16	-433.58	244.58	1,060.76	870.27	190.49	5.569	
8,350.00	8,038.79	8,021.79	8,021.79	39.84	160.94	118.63	-433.58	244.58	1,100.95	910.02	190.92	5.766	
8,400.00	8,052.46	8,035.46	8,035.46	40.38	161.22	112.82	-433.58	244.58	1,142.83	951.57	191.26	5.975	
8,450.00	8,061.89	8,044.89	8,044.89	40.93	161.40	105.53	-433.58	244.58	1,186.08	994.59	191.49	6.194	
8,500.00	8,067.01	8,050.01	8,050.01	41.49	161.51	96.71	-433.58	244.58	1,230.34	1,038.72	191.62	6.421	
8,533.77	8,068.00	8,051.00	8,051.00	41.88	161.53	90.00	-433.58	244.58	1,260.61	1,068.97	191.64	6.578	
8,600.00	8,068.00	8,051.00	8,051.00	42.64	161.53	90.00	-433.58	244.58	1,320.50	1,128.86	191.65	6.890	
8,700.00	8,068.00	8,051.00	8,051.00	43.82	161.53	90.00	-433.58	244.58	1,412.01	1,220.35	191.66	7.367	
8,800.00	8,068.00	8,051.00	8,051.00	45.04	161.53	90.00	-433.58	244.58	1,504.60	1,312.93	191.67	7.850	

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design      Sec 28-T1N-R68W - EXIST VERT MEIKLE 28-1 - Wellbore #1 - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,900.00	8,067.99	8,050.99	8,050.99	46.30	161.53	90.00	-433.58	244.58	1,598.08	1,406.40	191.69	8.337		
9,000.00	8,067.99	8,050.99	8,050.99	47.59	161.53	90.00	-433.58	244.58	1,692.31	1,500.61	191.71	8.828		
9,100.00	8,067.99	8,050.99	8,050.99	48.91	161.53	90.00	-433.58	244.58	1,787.17	1,595.44	191.73	9.322		
9,200.00	8,067.99	8,050.99	8,050.99	50.26	161.53	90.00	-433.58	244.58	1,882.56	1,690.81	191.75	9.818		
9,300.00	8,067.99	8,050.99	8,050.99	51.63	161.53	90.00	-433.58	244.58	1,978.40	1,786.63	191.77	10.317		
9,400.00	8,067.99	8,050.99	8,050.99	53.03	161.53	90.00	-433.58	244.58	2,074.64	1,882.85	191.79	10.817		
9,500.00	8,067.98	8,050.98	8,050.98	54.44	161.53	90.00	-433.58	244.58	2,171.21	1,979.40	191.81	11.319		
9,600.00	8,067.98	8,050.98	8,050.98	55.88	161.53	90.00	-433.58	244.58	2,268.08	2,076.25	191.84	11.823		
9,700.00	8,067.98	8,050.98	8,050.98	57.34	161.53	90.00	-433.58	244.58	2,365.22	2,173.35	191.86	12.328		
9,800.00	8,067.98	8,050.98	8,050.98	58.81	161.53	90.00	-433.58	244.58	2,462.58	2,270.69	191.89	12.833		
9,900.00	8,067.98	8,050.98	8,050.98	60.31	161.53	90.00	-433.58	244.58	2,560.15	2,368.23	191.92	13.340		
10,000.00	8,067.98	8,050.98	8,050.98	61.81	161.53	90.00	-433.58	244.58	2,657.89	2,465.95	191.95	13.847		
10,100.00	8,067.98	8,050.98	8,050.98	63.33	161.53	90.00	-433.58	244.58	2,755.80	2,563.83	191.98	14.355		
10,200.00	8,067.97	8,050.97	8,050.97	64.86	161.53	90.00	-433.58	244.58	2,853.86	2,661.85	192.01	14.863		
10,300.00	8,067.97	8,050.97	8,050.97	66.41	161.53	90.00	-433.58	244.58	2,952.04	2,760.00	192.04	15.372		
10,400.00	8,067.97	8,050.97	8,050.97	67.96	161.53	90.00	-433.58	244.58	3,050.34	2,858.27	192.07	15.881		
10,500.00	8,067.97	8,050.97	8,050.97	69.53	161.53	90.00	-433.58	244.58	3,148.75	2,956.65	192.11	16.391		
10,600.00	8,067.97	8,050.97	8,050.97	71.10	161.53	90.00	-433.58	244.58	3,247.26	3,055.12	192.14	16.900		
10,700.00	8,067.97	8,050.97	8,050.97	72.69	161.53	90.00	-433.58	244.58	3,345.85	3,153.68	192.18	17.410		
10,800.00	8,067.97	8,050.97	8,050.97	74.28	161.53	90.00	-433.58	244.58	3,444.53	3,252.32	192.21	17.921		
10,900.00	8,067.97	8,050.97	8,050.97	75.88	161.53	90.00	-433.58	244.58	3,543.28	3,351.03	192.25	18.431		
11,000.00	8,067.97	8,050.97	8,050.97	77.49	161.53	90.00	-433.58	244.58	3,642.10	3,449.81	192.29	18.941		
11,100.00	8,067.97	8,050.97	8,050.97	79.10	161.53	90.00	-433.58	244.58	3,740.98	3,548.66	192.32	19.451		
11,200.00	8,067.96	8,050.96	8,050.96	80.73	161.53	90.00	-433.58	244.58	3,839.92	3,647.56	192.36	19.962		
11,300.00	8,067.96	8,050.96	8,050.96	82.35	161.53	90.00	-433.58	244.58	3,938.91	3,746.51	192.40	20.472		
11,400.00	8,067.96	8,050.96	8,050.96	83.99	161.53	90.00	-433.58	244.58	4,037.96	3,845.51	192.45	20.982		
11,500.00	8,067.96	8,050.96	8,050.96	85.63	161.53	90.00	-433.58	244.58	4,137.04	3,944.56	192.49	21.492		
11,600.00	8,067.96	8,050.96	8,050.96	87.27	161.53	90.00	-433.58	244.58	4,236.18	4,043.65	192.53	22.003		
11,700.00	8,067.96	8,050.96	8,050.96	88.92	161.53	90.00	-433.58	244.58	4,335.35	4,142.77	192.57	22.513		
11,800.00	8,067.96	8,050.96	8,050.96	90.58	161.53	90.00	-433.58	244.58	4,434.56	4,241.94	192.62	23.022		
11,900.00	8,067.96	8,050.96	8,050.96	92.23	161.53	90.00	-433.58	244.58	4,533.80	4,341.14	192.66	23.532		
12,000.00	8,067.96	8,050.96	8,050.96	93.90	161.53	90.00	-433.58	244.58	4,633.08	4,440.37	192.71	24.042		
12,100.00	8,067.96	8,050.96	8,050.96	95.56	161.53	90.00	-433.58	244.58	4,732.38	4,539.62	192.76	24.551		
12,200.00	8,067.96	8,050.96	8,050.96	97.23	161.53	90.00	-433.58	244.58	4,831.72	4,638.91	192.80	25.060		
12,300.00	8,067.96	8,050.96	8,050.96	98.91	161.53	90.00	-433.58	244.58	4,931.08	4,738.23	192.85	25.569		
12,400.00	8,067.96	8,050.96	8,050.96	100.59	161.53	90.00	-433.58	244.58	5,030.47	4,837.56	192.90	26.078		
12,500.00	8,067.96	8,050.96	8,050.96	102.27	161.53	90.00	-433.58	244.58	5,129.88	4,936.92	192.95	26.586		
12,600.00	8,067.96	8,050.96	8,050.96	103.95	161.53	90.00	-433.58	244.58	5,229.31	5,036.31	193.00	27.094		
12,700.00	8,067.96	8,050.96	8,050.96	105.64	161.53	90.00	-433.58	244.58	5,328.77	5,135.71	193.06	27.602		
12,800.00	8,067.96	8,050.96	8,050.96	107.33	161.53	90.00	-433.58	244.58	5,428.24	5,235.13	193.11	28.110		
12,900.00	8,067.96	8,050.96	8,050.96	109.02	161.53	90.00	-433.58	244.58	5,527.73	5,334.57	193.16	28.617		
13,000.00	8,067.96	8,050.96	8,050.96	110.71	161.53	90.00	-433.58	244.58	5,627.25	5,434.03	193.22	29.124		
13,100.00	8,067.96	8,050.96	8,050.96	112.41	161.53	90.00	-433.58	244.58	5,726.78	5,533.50	193.27	29.631		
13,200.00	8,067.96	8,050.96	8,050.96	114.11	161.53	90.00	-433.58	244.58	5,826.32	5,632.99	193.33	30.137		
13,300.00	8,067.96	8,050.96	8,050.96	115.81	161.53	90.00	-433.58	244.58	5,925.88	5,732.50	193.38	30.643		
13,400.00	8,067.96	8,050.96	8,050.96	117.52	161.53	90.00	-433.58	244.58	6,025.45	5,832.02	193.44	31.149		
13,500.00	8,067.96	8,050.96	8,050.96	119.22	161.53	90.00	-433.58	244.58	6,125.04	5,931.55	193.50	31.654		
13,600.00	8,067.96	8,050.96	8,050.96	120.93	161.53	90.00	-433.58	244.58	6,224.65	6,031.09	193.56	32.159		
13,700.00	8,067.96	8,050.96	8,050.96	122.64	161.53	90.00	-433.58	244.58	6,324.26	6,130.64	193.62	32.664		
13,800.00	8,067.96	8,050.96	8,050.96	124.35	161.53	90.00	-433.58	244.58	6,423.89	6,230.21	193.68	33.168		
13,900.00	8,067.96	8,050.96	8,050.96	126.06	161.53	90.00	-433.58	244.58	6,523.52	6,329.79	193.74	33.672		
14,000.00	8,067.96	8,050.96	8,050.96	127.78	161.53	90.00	-433.58	244.58	6,623.17	6,429.37	193.80	34.176		

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



# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 0-INC												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,100.00	8,067.96	8,050.96	8,050.96	129.50	161.53	90.00	-433.58	244.58	6,722.83	6,528.97	193.86	34.679	
14,200.00	8,067.96	8,050.96	8,050.96	131.21	161.53	90.00	-433.58	244.58	6,822.50	6,628.58	193.92	35.181	
14,300.00	8,067.96	8,050.96	8,050.96	132.93	161.53	90.00	-433.58	244.58	6,922.18	6,728.19	193.99	35.684	
14,400.00	8,067.96	8,050.96	8,050.96	134.65	161.53	90.00	-433.58	244.58	7,021.87	6,827.82	194.05	36.185	
14,500.00	8,067.96	8,050.96	8,050.96	136.38	161.53	90.00	-433.58	244.58	7,121.56	6,927.45	194.12	36.687	
14,600.00	8,067.96	8,050.96	8,050.96	138.10	161.53	90.00	-433.58	244.58	7,221.27	7,027.09	194.18	37.188	
14,700.00	8,067.96	8,050.96	8,050.96	139.82	161.53	90.00	-433.58	244.58	7,320.98	7,126.73	194.25	37.688	
14,800.00	8,067.96	8,050.96	8,050.96	141.55	161.53	90.00	-433.58	244.58	7,420.70	7,226.39	194.32	38.188	
14,900.00	8,067.96	8,050.96	8,050.96	143.28	161.53	90.00	-433.58	244.58	7,520.43	7,326.05	194.39	38.688	
15,000.00	8,067.96	8,050.96	8,050.96	145.00	161.53	90.01	-433.58	244.58	7,620.17	7,425.71	194.46	39.187	
15,100.00	8,067.96	8,050.96	8,050.96	146.73	161.53	90.01	-433.58	244.58	7,719.91	7,525.38	194.52	39.686	
15,200.00	8,067.96	8,050.96	8,050.96	148.46	161.53	90.01	-433.58	244.58	7,819.66	7,625.06	194.60	40.184	
15,300.00	8,067.96	8,050.96	8,050.96	150.19	161.53	90.01	-433.58	244.58	7,919.41	7,724.75	194.67	40.682	
15,400.00	8,067.96	8,050.96	8,050.96	151.93	161.53	90.01	-433.58	244.58	8,019.17	7,824.44	194.74	41.179	
15,500.00	8,067.96	8,050.96	8,050.96	153.66	161.53	90.01	-433.58	244.58	8,118.94	7,924.13	194.81	41.676	
15,600.00	8,067.96	8,050.96	8,050.96	155.39	161.53	90.01	-433.58	244.58	8,218.71	8,023.83	194.88	42.173	
15,700.00	8,067.97	8,050.97	8,050.97	157.13	161.53	90.01	-433.58	244.58	8,318.49	8,123.54	194.96	42.668	
15,800.00	8,067.97	8,050.97	8,050.97	158.86	161.53	90.01	-433.58	244.58	8,418.28	8,223.25	195.03	43.164	
15,900.00	8,067.97	8,050.97	8,050.97	160.60	161.53	90.01	-433.58	244.58	8,518.07	8,322.96	195.11	43.659	
16,000.00	8,067.97	8,050.97	8,050.97	162.34	161.53	90.01	-433.58	244.58	8,617.86	8,422.68	195.18	44.153	
16,100.00	8,067.97	8,050.97	8,050.97	164.08	161.53	90.01	-433.58	244.58	8,717.66	8,522.40	195.26	44.647	
16,200.00	8,067.97	8,050.97	8,050.97	165.81	161.53	90.01	-433.58	244.58	8,817.46	8,622.13	195.33	45.140	
16,300.00	8,067.97	8,050.97	8,050.97	167.55	161.53	90.01	-433.58	244.58	8,917.27	8,721.86	195.41	45.633	
16,400.00	8,067.97	8,050.97	8,050.97	169.29	161.53	90.01	-433.58	244.58	9,017.08	8,821.59	195.49	46.126	
16,500.00	8,067.97	8,050.97	8,050.97	171.04	161.53	90.01	-433.58	244.58	9,116.89	8,921.33	195.57	46.617	
16,600.00	8,067.98	8,050.98	8,050.98	172.78	161.53	90.01	-433.58	244.58	9,216.71	9,021.07	195.65	47.109	
16,700.00	8,067.98	8,050.98	8,050.98	174.52	161.53	90.01	-433.58	244.58	9,316.54	9,120.81	195.73	47.599	
16,800.00	8,067.98	8,050.98	8,050.98	176.26	161.53	90.01	-433.58	244.58	9,416.36	9,220.56	195.81	48.090	
16,900.00	8,067.98	8,050.98	8,050.98	178.01	161.53	90.01	-433.58	244.58	9,516.20	9,320.31	195.89	48.579	
17,000.00	8,067.98	8,050.98	8,050.98	179.75	161.53	90.01	-433.58	244.58	9,616.03	9,420.06	195.97	49.068	
17,100.00	8,067.98	8,050.98	8,050.98	181.49	161.53	90.01	-433.58	244.58	9,715.87	9,519.81	196.05	49.557	
17,200.00	8,067.98	8,050.98	8,050.98	183.24	161.53	90.02	-433.58	244.58	9,815.71	9,619.57	196.14	50.045	
17,300.00	8,067.99	8,050.99	8,050.99	184.99	161.53	90.02	-433.58	244.58	9,915.55	9,719.33	196.22	50.533	

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1500-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	36.00	-36.00	0.00	0.06	154.32	-3,282.15	1,577.96	3,641.77					
100.00	100.00	64.00	64.00	0.13	0.11	154.32	-3,282.15	1,577.96	3,641.77	3,641.52	0.25	N/A		
200.00	200.00	164.00	164.00	0.49	0.29	154.32	-3,282.15	1,577.96	3,641.77	3,640.99	0.78	4,645.674		
300.00	300.00	264.00	264.00	0.85	0.47	154.32	-3,282.15	1,577.96	3,641.77	3,640.45	1.32	2,759.292		
400.00	400.00	364.00	364.00	1.21	0.65	154.32	-3,282.15	1,577.96	3,641.77	3,639.91	1.86	1,962.440		
500.00	500.00	464.00	464.00	1.57	0.82	154.32	-3,282.15	1,577.96	3,641.77	3,639.38	2.39	1,522.702		
600.00	600.00	564.00	564.00	1.93	1.00	154.32	-3,282.15	1,577.96	3,641.77	3,638.84	2.93	1,243.959		
700.00	700.00	664.00	664.00	2.29	1.18	154.32	-3,282.15	1,577.96	3,641.77	3,638.31	3.46	1,051.477		
800.00	800.00	764.00	764.00	2.64	1.36	154.32	-3,282.15	1,577.96	3,641.77	3,637.77	4.00	910.580		
900.00	900.00	864.00	864.00	3.00	1.53	154.32	-3,282.15	1,577.96	3,641.77	3,637.23	4.54	802.981		
1,000.00	1,000.00	964.00	964.00	3.36	1.71	154.32	-3,282.15	1,577.96	3,641.77	3,636.70	5.07	718.124		
1,100.00	1,100.00	1,064.00	1,064.00	3.72	1.89	154.32	-3,282.15	1,577.96	3,641.77	3,636.16	5.61	649.488		
1,200.00	1,200.00	1,164.00	1,164.00	4.08	2.07	154.32	-3,282.15	1,577.96	3,641.77	3,635.63	6.14	592.827		
1,300.00	1,299.98	1,263.98	1,263.98	4.42	2.24	13.19	-3,282.15	1,577.96	3,640.07	3,633.41	6.66	546.279		
1,400.00	1,399.84	1,363.84	1,363.84	4.75	2.42	13.23	-3,282.15	1,577.96	3,634.98	3,627.80	7.17	506.799		
1,500.00	1,499.45	1,463.45	1,463.45	5.09	2.60	13.30	-3,282.15	1,577.96	3,626.49	3,618.81	7.69	471.866		
1,600.00	1,598.70	1,562.70	1,562.70	5.44	2.77	13.40	-3,282.15	1,577.96	3,614.63	3,606.43	8.20	440.728		
1,700.00	1,697.47	1,620.45	1,620.42	5.81	3.24	13.54	-3,283.82	1,576.06	3,600.33	3,591.32	9.01	399.660		
1,800.00	1,795.62	1,693.54	1,693.39	6.19	3.61	13.74	-3,286.46	1,573.04	3,583.24	3,573.52	9.72	368.651		
1,846.33	1,840.86	1,727.16	1,726.92	6.38	3.78	13.85	-3,288.08	1,571.19	3,574.43	3,564.37	10.05	355.532		
1,900.00	1,893.17	1,765.96	1,765.58	6.60	3.98	13.94	-3,290.28	1,568.68	3,564.01	3,553.57	10.44	341.397		
2,000.00	1,990.64	1,838.02	1,837.23	7.02	4.36	14.12	-3,295.27	1,562.98	3,545.15	3,533.99	11.16	317.582		
2,100.00	2,088.10	1,909.68	1,908.28	7.46	4.75	14.33	-3,301.42	1,555.96	3,527.06	3,515.17	11.89	296.557		
2,200.00	2,185.57	1,980.86	1,978.61	7.91	5.13	14.57	-3,308.68	1,547.67	3,509.76	3,497.13	12.63	277.924		
2,300.00	2,283.03	2,051.49	2,048.09	8.37	5.52	14.84	-3,317.01	1,538.15	3,493.28	3,479.91	13.37	261.347		
2,400.00	2,380.50	2,121.47	2,116.61	8.84	5.90	15.13	-3,326.39	1,527.44	3,477.66	3,463.55	14.11	246.543		
2,500.00	2,477.97	2,190.74	2,184.07	9.32	6.28	15.45	-3,336.75	1,515.61	3,462.94	3,448.09	14.84	233.275		
2,600.00	2,575.43	2,259.24	2,250.38	9.80	6.66	15.79	-3,348.04	1,502.71	3,449.16	3,433.58	15.58	221.346		
2,700.00	2,672.90	2,326.88	2,315.45	10.28	7.04	16.15	-3,360.22	1,488.80	3,436.37	3,420.05	16.32	210.588		
2,800.00	2,770.36	2,393.62	2,379.20	10.77	7.41	16.53	-3,373.23	1,473.94	3,424.61	3,407.56	17.05	200.859		
2,900.00	2,867.83	2,459.41	2,441.57	11.26	7.78	16.93	-3,387.00	1,458.21	3,413.94	3,396.16	17.78	192.041		
3,000.00	2,965.29	2,524.19	2,502.51	11.76	8.15	17.35	-3,401.48	1,441.68	3,404.40	3,385.90	18.50	184.031		
3,100.00	3,062.76	2,587.93	2,561.96	12.26	8.50	17.78	-3,416.61	1,424.40	3,396.04	3,376.83	19.21	176.742		
3,200.00	3,160.23	2,650.58	2,619.89	12.76	8.86	18.23	-3,432.32	1,406.44	3,388.92	3,369.00	19.92	170.101		
3,300.00	3,257.69	2,712.12	2,676.28	13.27	9.20	18.69	-3,448.57	1,387.89	3,383.09	3,362.46	20.62	164.042		
3,400.00	3,355.16	2,772.52	2,731.08	13.77	9.54	19.16	-3,465.29	1,368.79	3,378.59	3,357.28	21.31	158.509		
3,500.00	3,452.62	2,831.76	2,784.31	14.28	9.88	19.63	-3,482.42	1,349.22	3,375.49	3,353.49	22.00	153.456		
3,558.38	3,509.53	2,865.81	2,814.65	14.58	10.07	19.91	-3,492.60	1,337.60	3,374.34	3,351.95	22.39	150.709		
3,600.00	3,550.09	3,024.96	2,953.95	14.79	10.97	21.30	-3,543.27	1,279.73	3,377.90	3,354.46	23.44	144.125		
3,638.37	3,587.48	3,196.21	2,806.40	14.98	12.64	19.75	-3,486.02	1,345.12	3,372.10	3,347.09	25.02	134.792		
3,700.00	3,647.55	3,144.17	2,851.24	15.30	12.13	20.22	-3,503.42	1,325.25	3,372.92	3,348.15	24.78	136.142		
3,800.00	3,745.02	3,059.72	2,924.00	15.81	11.31	20.99	-3,531.65	1,293.00	3,374.94	3,350.55	24.39	138.363		
3,900.00	3,842.49	3,074.64	2,996.76	16.32	11.46	21.76	-3,559.88	1,260.75	3,377.81	3,352.91	24.90	135.671		
4,000.00	3,939.95	3,159.09	3,069.52	16.84	12.28	22.52	-3,588.12	1,228.51	3,381.52	3,355.51	26.01	129.995		
4,100.00	4,037.42	3,243.53	3,142.28	17.35	13.10	23.29	-3,616.35	1,196.26	3,386.08	3,358.95	27.12	124.847		
4,200.00	4,134.88	3,327.98	3,215.04	17.87	13.93	24.05	-3,644.58	1,164.02	3,391.47	3,363.25	28.22	120.163		
4,300.00	4,232.35	3,412.43	3,287.80	18.39	14.76	24.81	-3,672.81	1,131.77	3,397.70	3,368.38	29.32	115.890		
4,400.00	4,329.81	3,496.87	3,360.56	18.90	15.58	25.57	-3,701.05	1,099.52	3,404.76	3,374.36	30.40	111.981		
4,500.00	4,427.28	3,581.32	3,433.32	19.42	16.41	26.33	-3,729.28	1,067.28	3,412.65	3,381.17	31.48	108.397		
4,600.00	4,524.75	3,665.76	3,506.08	19.94	17.24	27.08	-3,757.51	1,035.03	3,421.36	3,388.81	32.55	105.104		
4,700.00	4,622.21	3,750.21	3,578.85	20.46	18.07	27.83	-3,785.75	1,002.79	3,430.89	3,397.27	33.61	102.072		
4,800.00	4,719.68	3,834.65	3,651.61	20.98	18.90	28.58	-3,813.98	970.54	3,441.22	3,406.55	34.66	99.274		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1500-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,900.00	4,817.14	3,919.10	3,724.37	21.50	19.74	29.32	-3,842.21	938.29	3,452.35	3,416.64	35.71	96.689		
5,000.00	4,914.61	4,003.54	3,797.13	22.02	20.57	30.07	-3,870.45	906.05	3,464.27	3,427.53	36.74	94.297		
5,100.00	5,012.07	4,087.99	3,869.89	22.54	21.40	30.80	-3,898.68	873.80	3,476.98	3,439.22	37.76	92.080		
5,200.00	5,109.54	4,172.43	3,942.65	23.06	22.23	31.54	-3,926.91	841.55	3,490.46	3,451.69	38.77	90.022		
5,300.00	5,207.01	4,256.88	4,015.41	23.59	23.07	32.27	-3,955.14	809.31	3,504.71	3,464.94	39.78	88.109		
5,400.00	5,304.47	4,341.32	4,088.17	24.11	23.90	32.99	-3,983.38	777.06	3,519.72	3,478.95	40.77	86.330		
5,500.00	5,401.94	4,425.77	4,160.93	24.63	24.74	33.71	-4,011.61	744.82	3,535.48	3,493.72	41.75	84.674		
5,600.00	5,499.40	4,510.21	4,233.69	25.16	25.57	34.43	-4,039.84	712.57	3,551.97	3,509.24	42.73	83.130		
5,700.00	5,596.87	4,594.66	4,306.45	25.68	26.40	35.14	-4,068.08	680.32	3,569.19	3,525.50	43.69	81.689		
5,800.00	5,694.33	4,679.10	4,379.21	26.20	27.24	35.84	-4,096.31	648.08	3,587.13	3,542.49	44.65	80.345		
5,900.00	5,791.80	4,763.55	4,451.97	26.73	28.07	36.54	-4,124.54	615.83	3,605.78	3,560.19	45.59	79.088		
6,000.00	5,889.27	4,847.99	4,524.73	27.25	28.91	37.23	-4,152.77	583.59	3,625.12	3,578.59	46.53	77.913		
6,100.00	5,986.73	5,164.98	4,804.98	27.78	31.77	39.65	-4,250.12	472.40	3,641.65	3,592.15	49.50	73.565		
6,200.00	6,084.20	6,445.87	6,048.20	28.30	37.87	45.61	-4,422.12	275.95	3,627.13	3,571.79	55.33	65.551		
6,300.00	6,181.66	6,543.33	6,145.66	28.82	38.04	45.86	-4,422.12	275.95	3,611.31	3,555.36	55.95	64.544		
6,400.00	6,279.13	6,640.80	6,243.13	29.35	38.21	46.11	-4,422.12	275.95	3,595.56	3,538.99	56.57	63.558		
6,500.00	6,376.59	6,738.27	6,340.59	29.88	38.38	46.37	-4,422.12	275.95	3,579.88	3,522.69	57.19	62.593		
6,600.00	6,474.06	6,835.73	6,438.06	30.40	38.54	46.62	-4,422.12	275.95	3,564.27	3,506.46	57.82	61.649		
6,700.00	6,571.53	6,933.20	6,535.53	30.93	38.71	46.88	-4,422.12	275.95	3,548.74	3,490.30	58.44	60.724		
6,800.00	6,668.99	7,030.66	6,632.99	31.45	38.88	47.14	-4,422.12	275.95	3,533.28	3,474.21	59.07	59.818		
6,887.36	6,754.14	7,115.81	6,718.14	31.91	39.03	47.37	-4,422.12	275.95	3,519.83	3,460.22	59.62	59.042		
6,900.00	6,766.46	7,128.13	6,730.46	31.98	39.05	47.38	-4,422.12	275.95	3,517.91	3,458.21	59.70	58.931		
7,000.00	6,864.39	7,226.06	6,828.39	32.48	39.22	47.41	-4,422.12	275.95	3,504.06	3,443.74	60.31	58.097		
7,100.00	6,962.96	7,178.00	6,780.33	32.94	39.14	47.18	-4,422.12	275.95	3,495.68	3,434.87	60.80	57.490		
7,200.00	7,062.06	7,178.00	6,780.33	33.36	39.14	47.13	-4,422.12	275.95	3,492.18	3,430.92	61.26	57.002		
7,216.73	7,078.68	7,178.00	6,780.33	33.42	39.14	47.12	-4,422.12	275.95	3,492.11	3,430.78	61.33	56.936		
7,300.00	7,161.57	7,178.00	6,780.33	33.74	39.14	47.15	-4,422.12	275.95	3,493.93	3,432.26	61.66	56.662		
7,400.00	7,261.36	7,178.00	6,780.33	34.08	39.14	47.25	-4,422.12	275.95	3,500.89	3,438.89	62.00	56.466		
7,500.00	7,361.31	7,178.00	6,780.33	34.39	39.14	47.43	-4,422.12	275.95	3,513.05	3,450.78	62.27	56.413		
7,533.69	7,395.00	7,178.00	6,780.33	34.48	39.14	-171.34	-4,422.12	275.95	3,518.30	3,455.95	62.35	56.428		
7,600.00	7,461.31	7,178.00	6,780.33	34.65	39.14	-171.34	-4,422.12	275.95	3,529.81	3,467.33	62.48	56.497		
7,633.69	7,495.00	7,178.00	6,780.33	34.73	39.14	-171.34	-4,422.12	275.95	3,536.12	3,473.59	62.54	56.545		
7,650.00	7,511.31	7,178.00	6,780.33	34.78	39.14	8.95	-4,422.12	275.95	3,539.07	3,476.50	62.56	56.567		
7,700.00	7,561.16	7,178.00	6,780.33	34.94	39.14	8.85	-4,422.12	275.95	3,545.72	3,483.06	62.65	56.593		
7,750.00	7,610.51	7,178.00	6,780.33	35.14	39.14	8.80	-4,422.12	275.95	3,548.77	3,486.03	62.74	56.562		
7,800.00	7,658.98	7,178.00	6,780.33	35.37	39.14	8.81	-4,422.12	275.95	3,548.23	3,485.40	62.83	56.474		
7,850.00	7,706.21	7,178.00	6,780.33	35.64	39.14	8.87	-4,422.12	275.95	3,544.08	3,481.16	62.92	56.330		
7,900.00	7,751.82	7,178.00	6,780.33	35.93	39.14	9.00	-4,422.12	275.95	3,536.35	3,473.35	63.00	56.133		
7,950.00	7,795.49	7,178.00	6,780.33	36.26	39.14	9.18	-4,422.12	275.95	3,525.07	3,461.99	63.08	55.885		
8,000.00	7,836.86	7,178.00	6,780.33	36.62	39.14	9.43	-4,422.12	275.95	3,510.30	3,447.14	63.15	55.586		
8,050.00	7,875.64	7,178.00	6,780.33	37.00	39.14	9.76	-4,422.12	275.95	3,492.09	3,428.88	63.22	55.240		
8,100.00	7,911.52	7,178.00	6,780.33	37.42	39.14	10.17	-4,422.12	275.95	3,470.55	3,407.27	63.28	54.847		
8,150.00	7,944.22	7,178.00	6,780.33	37.86	39.14	10.69	-4,422.12	275.95	3,445.77	3,382.44	63.33	54.410		
8,200.00	7,973.51	7,178.00	6,780.33	38.32	39.14	11.33	-4,422.12	275.95	3,417.87	3,354.50	63.38	53.931		
8,250.00	7,999.16	7,178.00	6,780.33	38.81	39.14	12.13	-4,422.12	275.95	3,386.99	3,323.58	63.41	53.411		
8,300.00	8,020.98	7,178.00	6,780.33	39.31	39.14	13.12	-4,422.12	275.95	3,353.29	3,289.84	63.45	52.852		
8,350.00	8,038.79	7,178.00	6,780.33	39.84	39.14	14.38	-4,422.12	275.95	3,316.94	3,253.47	63.47	52.257		
8,400.00	8,052.46	7,178.00	6,780.33	40.38	39.14	16.00	-4,422.12	275.95	3,278.13	3,214.64	63.50	51.627		
8,450.00	8,061.89	7,178.00	6,780.33	40.93	39.14	18.11	-4,422.12	275.95	3,237.08	3,173.57	63.52	50.964		
8,500.00	8,067.01	7,178.00	6,780.33	41.49	39.14	20.94	-4,422.12	275.95	3,194.02	3,130.48	63.54	50.271		
8,533.77	8,068.00	7,178.00	6,780.33	41.88	39.14	23.45	-4,422.12	275.95	3,163.93	3,100.38	63.55	49.786		
8,600.00	8,068.00	7,178.00	6,780.33	42.64	39.14	23.45	-4,422.12	275.95	3,104.30	3,040.73	63.57	48.830		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1500-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,700.00	8,068.00	7,178.00	6,780.33	43.82	39.14	23.45	-4,422.12	275.95	3,014.80	2,951.19	63.60	47.400		
8,800.00	8,068.00	7,178.00	6,780.33	45.04	39.14	23.45	-4,422.12	275.95	2,925.97	2,862.34	63.63	45.982		
8,900.00	8,067.99	7,178.00	6,780.33	46.30	39.14	23.45	-4,422.12	275.95	2,837.89	2,774.23	63.66	44.579		
9,000.00	8,067.99	7,178.00	6,780.33	47.59	39.14	23.45	-4,422.12	275.95	2,750.62	2,686.94	63.69	43.191		
9,100.00	8,067.99	7,178.00	6,780.33	48.91	39.14	23.45	-4,422.12	275.95	2,664.25	2,600.54	63.71	41.819		
9,200.00	8,067.99	7,178.00	6,780.33	50.26	39.14	23.45	-4,422.12	275.95	2,578.87	2,515.14	63.73	40.467		
9,300.00	8,067.99	7,178.00	6,780.33	51.63	39.14	23.45	-4,422.12	275.95	2,494.57	2,430.83	63.74	39.135		
9,400.00	8,067.99	7,178.00	6,780.33	53.03	39.14	23.45	-4,422.12	275.95	2,411.47	2,347.72	63.75	37.826		
9,500.00	8,067.98	7,178.00	6,780.33	54.44	39.14	23.45	-4,422.12	275.95	2,329.70	2,265.95	63.75	36.543		
9,600.00	8,067.98	7,178.00	6,780.33	55.88	39.14	23.45	-4,422.12	275.95	2,249.40	2,185.66	63.74	35.288		
9,700.00	8,067.98	7,178.00	6,780.33	57.34	39.14	23.45	-4,422.12	275.95	2,170.74	2,107.02	63.72	34.064		
9,800.00	8,067.98	7,178.00	6,780.33	58.81	39.14	23.45	-4,422.12	275.95	2,093.90	2,030.21	63.69	32.875		
9,900.00	8,067.98	7,178.00	6,780.33	60.31	39.14	23.45	-4,422.12	275.95	2,019.10	1,955.45	63.64	31.725		
10,000.00	8,067.98	7,178.00	6,780.33	61.81	39.14	23.45	-4,422.12	275.95	1,946.55	1,882.98	63.58	30.618		
10,100.00	8,067.98	7,178.00	6,780.33	63.33	39.14	23.45	-4,422.12	275.95	1,876.53	1,813.05	63.49	29.557		
10,200.00	8,067.97	7,178.00	6,780.33	64.86	39.14	23.45	-4,422.12	275.95	1,809.33	1,745.96	63.38	28.549		
10,300.00	8,067.97	7,178.00	6,780.33	66.41	39.14	23.45	-4,422.12	275.95	1,745.28	1,682.04	63.24	27.599		
10,400.00	8,067.97	7,178.00	6,780.33	67.96	39.14	23.45	-4,422.12	275.95	1,684.73	1,621.66	63.07	26.711		
10,500.00	8,067.97	7,178.00	6,780.33	69.53	39.14	23.45	-4,422.12	275.95	1,628.08	1,565.19	62.88	25.891		
10,600.00	8,067.97	7,178.00	6,780.33	71.10	39.14	23.45	-4,422.12	275.95	1,575.74	1,513.07	62.67	25.143		
10,700.00	8,067.97	7,178.00	6,780.33	72.69	39.14	23.45	-4,422.12	275.95	1,528.16	1,465.71	62.44	24.473		
10,800.00	8,067.97	7,178.00	6,780.33	74.28	39.14	23.45	-4,422.12	275.95	1,485.79	1,423.58	62.21	23.882		
10,900.00	8,067.97	7,178.00	6,780.33	75.88	39.14	23.45	-4,422.12	275.95	1,449.10	1,387.11	62.00	23.374		
11,000.00	8,067.97	7,178.00	6,780.33	77.49	39.14	23.45	-4,422.12	275.95	1,418.53	1,356.71	61.81	22.948		
11,100.00	8,067.97	7,178.00	6,780.33	79.10	39.14	23.45	-4,422.12	275.95	1,394.46	1,332.78	61.69	22.606		
11,200.00	8,067.96	7,178.00	6,780.33	80.73	39.14	23.45	-4,422.12	275.95	1,377.26	1,315.63	61.63	22.346		
11,300.00	8,067.96	7,178.00	6,780.33	82.35	39.14	23.45	-4,422.12	275.95	1,367.17	1,305.51	61.66	22.172		
11,388.42	8,067.96	7,178.00	6,780.33	83.80	39.14	23.45	-4,422.12	275.95	1,364.31	1,302.55	61.76	22.092 CC, ES		
11,400.00	8,067.96	7,178.00	6,780.33	83.99	39.14	23.45	-4,422.12	275.95	1,364.36	1,302.59	61.77	22.087 SF		
11,500.00	8,067.96	7,178.00	6,780.33	85.63	39.14	23.45	-4,422.12	275.95	1,368.87	1,306.91	61.96	22.094		
11,600.00	8,067.96	7,178.00	6,780.33	87.27	39.14	23.45	-4,422.12	275.95	1,380.62	1,318.43	62.19	22.201		
11,700.00	8,067.96	7,178.00	6,780.33	88.92	39.14	23.45	-4,422.12	275.95	1,399.44	1,336.99	62.45	22.410		
11,800.00	8,067.96	7,178.00	6,780.33	90.58	39.14	23.45	-4,422.12	275.95	1,425.04	1,362.33	62.71	22.724		
11,900.00	8,067.96	7,178.00	6,780.33	92.23	39.14	23.45	-4,422.12	275.95	1,457.07	1,394.11	62.96	23.142		
12,000.00	8,067.96	7,178.00	6,780.33	93.90	39.14	23.45	-4,422.12	275.95	1,495.12	1,431.93	63.19	23.661		
12,100.00	8,067.96	7,178.00	6,780.33	95.56	39.14	23.45	-4,422.12	275.95	1,538.73	1,475.35	63.39	24.275		
12,200.00	8,067.96	7,178.00	6,780.33	97.23	39.14	23.45	-4,422.12	275.95	1,587.46	1,523.91	63.55	24.979		
12,300.00	8,067.96	7,178.00	6,780.33	98.91	39.14	23.45	-4,422.12	275.95	1,640.84	1,577.15	63.69	25.764		
12,400.00	8,067.96	7,178.00	6,780.33	100.59	39.14	23.45	-4,422.12	275.95	1,698.43	1,634.63	63.79	26.623		
12,500.00	8,067.96	7,178.00	6,780.33	102.27	39.14	23.45	-4,422.12	275.95	1,759.82	1,695.94	63.88	27.548		
12,600.00	8,067.96	7,178.00	6,780.33	103.95	39.14	23.45	-4,422.12	275.95	1,824.64	1,760.69	63.95	28.532		
12,700.00	8,067.96	7,178.00	6,780.33	105.64	39.14	23.45	-4,422.12	275.95	1,892.52	1,828.51	64.01	29.568		
12,800.00	8,067.96	7,178.00	6,780.33	107.33	39.14	23.45	-4,422.12	275.95	1,963.14	1,899.09	64.05	30.649		
12,900.00	8,067.96	7,178.00	6,780.33	109.02	39.14	23.45	-4,422.12	275.95	2,036.24	1,972.14	64.09	31.770		
13,000.00	8,067.96	7,178.00	6,780.33	110.71	39.14	23.45	-4,422.12	275.95	2,111.53	2,047.40	64.13	32.926		
13,100.00	8,067.96	7,178.00	6,780.33	112.41	39.14	23.45	-4,422.12	275.95	2,188.81	2,124.65	64.16	34.112		
13,200.00	8,067.96	7,178.00	6,780.33	114.11	39.14	23.45	-4,422.12	275.95	2,267.87	2,203.67	64.20	35.326		
13,300.00	8,067.96	7,178.00	6,780.33	115.81	39.14	23.45	-4,422.12	275.95	2,348.52	2,284.28	64.23	36.563		
13,400.00	8,067.96	7,178.00	6,780.33	117.52	39.14	23.45	-4,422.12	275.95	2,430.61	2,366.34	64.27	37.820		
13,500.00	8,067.96	7,178.00	6,780.33	119.22	39.14	23.45	-4,422.12	275.95	2,514.00	2,449.69	64.31	39.094		
13,600.00	8,067.96	7,178.00	6,780.33	120.93	39.14	23.45	-4,422.12	275.95	2,598.56	2,534.21	64.35	40.385		
13,700.00	8,067.96	7,178.00	6,780.33	122.64	39.14	23.45	-4,422.12	275.95	2,684.18	2,619.79	64.39	41.688		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1500-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,800.00	8,067.96	7,178.00	6,780.33	124.35	39.14	23.45	-4,422.12	275.95	2,770.77	2,706.33	64.43	43.004		
13,900.00	8,067.96	7,178.00	6,780.33	126.06	39.14	23.45	-4,422.12	275.95	2,858.23	2,793.75	64.48	44.329		
14,000.00	8,067.96	7,178.00	6,780.33	127.78	39.14	23.45	-4,422.12	275.95	2,946.49	2,881.96	64.53	45.663		
14,100.00	8,067.96	7,178.00	6,780.33	129.50	39.14	23.45	-4,422.12	275.95	3,035.47	2,970.90	64.58	47.005		
14,200.00	8,067.96	7,178.00	6,780.33	131.21	39.14	23.45	-4,422.12	275.95	3,125.13	3,060.50	64.63	48.354		
14,300.00	8,067.96	7,178.00	6,780.33	132.93	39.14	23.45	-4,422.12	275.95	3,215.39	3,150.71	64.69	49.708		
14,400.00	8,067.96	7,178.00	6,780.33	134.65	39.14	23.45	-4,422.12	275.95	3,306.22	3,241.47	64.74	51.066		
14,500.00	8,067.96	7,178.00	6,780.33	136.38	39.14	23.45	-4,422.12	275.95	3,397.56	3,332.75	64.80	52.429		
14,600.00	8,067.96	7,178.00	6,780.33	138.10	39.14	23.45	-4,422.12	275.95	3,489.37	3,424.51	64.86	53.795		
14,700.00	8,067.96	7,178.00	6,780.33	139.82	39.14	23.45	-4,422.12	275.95	3,581.63	3,516.70	64.93	55.164		
14,800.00	8,067.96	7,178.00	6,780.33	141.55	39.14	23.45	-4,422.12	275.95	3,674.28	3,609.29	64.99	56.535		
14,900.00	8,067.96	7,178.00	6,780.33	143.28	39.14	23.45	-4,422.12	275.95	3,767.32	3,702.26	65.06	57.907		
15,000.00	8,067.96	7,178.00	6,780.33	145.00	39.14	23.45	-4,422.12	275.95	3,860.70	3,795.58	65.13	59.281		
15,100.00	8,067.96	7,178.00	6,780.33	146.73	39.14	23.45	-4,422.12	275.95	3,954.41	3,889.21	65.19	60.656		
15,200.00	8,067.96	7,178.00	6,780.33	148.46	39.14	23.45	-4,422.12	275.95	4,048.41	3,983.15	65.26	62.031		
15,300.00	8,067.96	7,178.00	6,780.33	150.19	39.14	23.45	-4,422.12	275.95	4,142.70	4,077.37	65.34	63.406		
15,400.00	8,067.96	7,178.00	6,780.33	151.93	39.14	23.45	-4,422.12	275.95	4,237.25	4,171.84	65.41	64.781		
15,500.00	8,067.96	7,178.00	6,780.33	153.66	39.14	23.45	-4,422.12	275.95	4,332.05	4,266.56	65.48	66.156		
15,600.00	8,067.96	7,178.00	6,780.33	155.39	39.14	23.45	-4,422.12	275.95	4,427.07	4,361.51	65.56	67.530		
15,700.00	8,067.97	7,178.00	6,780.33	157.13	39.14	23.45	-4,422.12	275.95	4,522.31	4,456.68	65.63	68.903		
15,800.00	8,067.97	7,178.00	6,780.33	158.86	39.14	23.45	-4,422.12	275.95	4,617.75	4,552.04	65.71	70.274		
15,900.00	8,067.97	7,178.00	6,780.33	160.60	39.14	23.45	-4,422.12	275.95	4,713.38	4,647.59	65.79	71.645		
16,000.00	8,067.97	7,178.00	6,780.33	162.34	39.14	23.45	-4,422.12	275.95	4,809.19	4,743.32	65.87	73.014		
16,100.00	8,067.97	7,178.00	6,780.33	164.08	39.14	23.45	-4,422.12	275.95	4,905.16	4,839.21	65.95	74.381		
16,200.00	8,067.97	7,178.00	6,780.33	165.81	39.14	23.45	-4,422.12	275.95	5,001.29	4,935.26	66.03	75.746		
16,300.00	8,067.97	7,178.00	6,780.33	167.55	39.14	23.45	-4,422.12	275.95	5,097.57	5,031.46	66.11	77.110		
16,400.00	8,067.97	7,178.00	6,780.33	169.29	39.14	23.45	-4,422.12	275.95	5,193.99	5,127.80	66.19	78.471		
16,500.00	8,067.97	7,178.00	6,780.33	171.04	39.14	23.45	-4,422.12	275.95	5,290.55	5,224.27	66.27	79.830		
16,600.00	8,067.98	7,178.00	6,780.33	172.78	39.14	23.45	-4,422.12	275.95	5,387.23	5,320.87	66.36	81.186		
16,700.00	8,067.98	7,178.00	6,780.33	174.52	39.14	23.45	-4,422.12	275.95	5,484.03	5,417.59	66.44	82.540		
16,800.00	8,067.98	7,178.00	6,780.33	176.26	39.14	23.45	-4,422.12	275.95	5,580.94	5,514.41	66.53	83.892		
16,900.00	8,067.98	7,178.00	6,780.33	178.01	39.14	23.45	-4,422.12	275.95	5,677.96	5,611.35	66.61	85.240		
17,000.00	8,067.98	7,178.00	6,780.33	179.75	39.14	23.45	-4,422.12	275.95	5,775.08	5,708.38	66.70	86.586		
17,100.00	8,067.98	7,178.00	6,780.33	181.49	39.14	23.44	-4,422.12	275.95	5,872.30	5,805.51	66.78	87.929		
17,200.00	8,067.98	7,178.00	6,780.33	183.24	39.14	23.44	-4,422.12	275.95	5,969.61	5,902.73	66.87	89.269		
17,300.00	8,067.99	7,178.00	6,780.33	184.99	39.14	23.44	-4,422.12	275.95	6,067.00	6,000.04	66.96	90.606		
17,400.00	8,067.99	7,178.00	6,780.33	186.73	39.14	23.44	-4,422.12	275.95	6,164.48	6,097.43	67.05	91.939		
17,500.00	8,067.99	7,178.00	6,780.33	188.48	39.14	23.44	-4,422.12	275.95	6,262.04	6,194.90	67.14	93.270		
17,600.00	8,067.99	7,178.00	6,780.33	190.23	39.14	23.44	-4,422.12	275.95	6,359.68	6,292.45	67.23	94.597		
17,700.00	8,067.99	7,178.00	6,780.33	191.97	39.14	23.44	-4,422.12	275.95	6,457.39	6,390.07	67.32	95.921		
17,800.00	8,067.99	7,178.00	6,780.33	193.72	39.14	23.44	-4,422.12	275.95	6,555.16	6,487.75	67.41	97.242		
17,900.00	8,068.00	7,178.00	6,780.33	195.47	39.14	23.44	-4,422.12	275.95	6,653.01	6,585.50	67.50	98.559		
18,000.00	8,068.00	7,178.00	6,780.33	197.22	39.14	23.44	-4,422.12	275.95	6,750.91	6,683.32	67.60	99.873		
18,100.00	8,068.00	7,178.00	6,780.33	198.97	39.14	23.44	-4,422.12	275.95	6,848.88	6,781.19	67.69	101.183		
18,184.63	8,068.00	7,178.00	6,780.33	200.45	39.14	23.44	-4,422.12	275.95	6,931.84	6,864.07	67.77	102.289		
18,185.16	8,068.00	7,178.00	6,780.33	200.47	39.14	23.44	-4,422.12	275.95	6,932.35	6,861.29	71.06	97.554		

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
0.00	0.00	0.00	0.00	0.00	0.00	154.08	-3,282.88	1,595.33	3,650.18					
100.00	100.00	62.00	62.00	0.13	0.72	154.08	-3,282.88	1,595.33	3,649.99	3,649.13	0.85	4,281.201		
200.00	200.00	162.00	162.00	0.49	2.58	154.08	-3,282.88	1,595.33	3,649.99	3,646.91	3.08	1,186.489		
300.00	300.00	262.00	262.00	0.85	4.75	154.08	-3,282.88	1,595.33	3,649.99	3,644.39	5.60	652.109		
400.00	400.00	362.00	362.00	1.21	6.80	154.08	-3,282.88	1,595.33	3,649.99	3,641.98	8.01	455.567		
500.00	500.00	462.00	462.00	1.57	8.84	154.08	-3,282.88	1,595.33	3,649.99	3,639.58	10.40	350.806		
600.00	600.00	562.00	562.00	1.93	10.86	154.08	-3,282.88	1,595.33	3,649.99	3,637.20	12.79	285.417		
700.00	700.00	662.00	662.00	2.29	12.88	154.08	-3,282.88	1,595.33	3,649.99	3,634.82	15.17	240.648		
800.00	800.00	762.00	762.00	2.64	14.90	154.08	-3,282.88	1,595.33	3,649.99	3,632.44	17.54	208.050		
900.00	900.00	862.00	862.00	3.00	16.92	154.08	-3,282.88	1,595.33	3,649.99	3,630.07	19.92	183.246		
1,000.00	1,000.00	962.00	962.00	3.36	18.93	154.08	-3,282.88	1,595.33	3,649.99	3,627.69	22.29	163.734		
1,100.00	1,100.00	1,062.00	1,062.00	3.72	20.95	154.08	-3,282.88	1,595.33	3,649.99	3,625.32	24.66	147.983		
1,200.00	1,200.00	1,162.00	1,162.00	4.08	22.96	154.08	-3,282.88	1,595.33	3,649.99	3,622.95	27.04	134.999		
1,300.00	1,299.98	1,261.98	1,261.98	4.42	24.97	12.95	-3,282.88	1,595.33	3,648.29	3,618.89	29.39	124.121		
1,400.00	1,399.84	1,361.84	1,361.84	4.75	26.98	12.99	-3,282.88	1,595.33	3,643.19	3,611.45	31.73	114.801		
1,500.00	1,499.45	1,461.45	1,461.45	5.09	28.99	13.06	-3,282.88	1,595.33	3,634.69	3,600.62	34.08	106.665		
1,600.00	1,598.70	1,560.70	1,560.70	5.44	30.98	13.16	-3,282.88	1,595.33	3,622.82	3,586.41	36.41	99.492		
1,700.00	1,697.47	1,659.47	1,659.47	5.81	32.97	13.28	-3,282.88	1,595.33	3,607.58	3,568.84	38.74	93.114		
1,800.00	1,795.62	1,757.62	1,757.62	6.19	34.95	13.44	-3,282.88	1,595.33	3,589.00	3,547.93	41.07	87.397		
1,846.33	1,840.86	1,802.86	1,802.86	6.38	35.86	13.52	-3,282.88	1,595.33	3,579.26	3,537.13	42.14	84.939		
1,900.00	1,893.17	1,855.17	1,855.17	6.60	36.91	13.57	-3,282.88	1,595.33	3,567.58	3,524.20	43.38	82.243		
2,000.00	1,990.64	1,952.64	1,952.64	7.02	38.87	13.65	-3,282.88	1,595.33	3,545.80	3,500.12	45.69	77.608		
2,100.00	2,088.10	2,050.10	2,050.10	7.46	40.83	13.74	-3,282.88	1,595.33	3,524.04	3,476.04	48.00	73.413		
2,200.00	2,185.57	2,147.57	2,147.57	7.91	42.79	13.83	-3,282.88	1,595.33	3,502.28	3,451.96	50.32	69.599		
2,300.00	2,283.03	2,245.03	2,245.03	8.37	44.75	13.92	-3,282.88	1,595.33	3,480.53	3,427.89	52.64	66.116		
2,400.00	2,380.50	2,342.50	2,342.50	8.84	46.71	14.00	-3,282.88	1,595.33	3,458.79	3,403.82	54.97	62.925		
2,500.00	2,477.97	2,439.96	2,439.96	9.32	48.67	14.09	-3,282.88	1,595.33	3,437.06	3,379.76	57.29	59.990		
2,600.00	2,575.43	2,537.43	2,537.43	9.80	50.63	14.19	-3,282.88	1,595.33	3,415.33	3,355.71	59.62	57.282		
2,700.00	2,672.90	2,634.90	2,634.90	10.28	52.59	14.28	-3,282.88	1,595.33	3,393.62	3,331.66	61.95	54.776		
2,800.00	2,770.36	2,732.36	2,732.36	10.77	54.56	14.37	-3,282.88	1,595.33	3,371.91	3,307.62	64.29	52.450		
2,900.00	2,867.83	2,829.83	2,829.83	11.26	56.52	14.47	-3,282.88	1,595.33	3,350.21	3,283.59	66.62	50.286		
3,000.00	2,965.29	2,927.29	2,927.29	11.76	58.48	14.56	-3,282.88	1,595.33	3,328.52	3,259.56	68.96	48.268		
3,100.00	3,062.76	3,024.76	3,024.76	12.26	60.44	14.66	-3,282.88	1,595.33	3,306.84	3,235.54	71.30	46.381		
3,200.00	3,160.23	3,122.23	3,122.23	12.76	62.40	14.76	-3,282.88	1,595.33	3,285.16	3,211.53	73.64	44.613		
3,300.00	3,257.69	3,219.69	3,219.69	13.27	64.36	14.86	-3,282.88	1,595.33	3,263.50	3,187.52	75.98	42.954		
3,400.00	3,355.16	3,317.16	3,317.16	13.77	66.32	14.96	-3,282.88	1,595.33	3,241.85	3,163.53	78.32	41.393		
3,500.00	3,452.62	3,414.62	3,414.62	14.28	68.28	15.06	-3,282.88	1,595.33	3,220.21	3,139.54	80.66	39.923		
3,600.00	3,550.09	3,512.09	3,512.09	14.79	70.24	15.17	-3,282.88	1,595.33	3,198.57	3,115.57	83.00	38.535		
3,700.00	3,647.55	3,609.55	3,609.55	15.30	72.20	15.27	-3,282.88	1,595.33	3,176.95	3,091.60	85.35	37.223		
3,800.00	3,745.02	3,707.02	3,707.02	15.81	74.16	15.38	-3,282.88	1,595.33	3,155.34	3,067.64	87.70	35.981		
3,900.00	3,842.49	3,804.49	3,804.49	16.32	76.12	15.49	-3,282.88	1,595.33	3,133.73	3,043.69	90.04	34.803		
4,000.00	3,939.95	3,901.95	3,901.95	16.84	78.08	15.60	-3,282.88	1,595.33	3,112.14	3,019.75	92.39	33.685		
4,100.00	4,037.42	4,000.58	3,999.42	17.35	80.06	15.71	-3,282.88	1,595.33	3,090.56	2,995.80	94.76	32.614		
4,200.00	4,134.88	4,103.12	4,096.88	17.87	82.12	15.82	-3,282.88	1,595.33	3,068.99	2,971.78	97.21	31.570		
4,300.00	4,232.35	4,205.65	4,194.35	18.39	84.19	15.93	-3,282.88	1,595.33	3,047.44	2,947.77	99.66	30.577		
4,400.00	4,329.81	4,308.19	4,291.81	18.90	86.25	16.05	-3,282.88	1,595.33	3,025.89	2,923.77	102.12	29.632		
4,500.00	4,427.28	4,389.28	4,389.28	19.42	87.88	16.17	-3,282.88	1,595.33	3,004.36	2,900.22	104.14	28.850		
4,600.00	4,524.75	4,486.75	4,486.75	19.94	89.84	16.29	-3,282.88	1,595.33	2,982.84	2,876.34	106.49	28.010		
4,700.00	4,622.21	4,584.21	4,584.21	20.46	91.80	16.41	-3,282.88	1,595.33	2,961.33	2,852.48	108.84	27.207		
4,800.00	4,719.68	4,681.68	4,681.68	20.98	93.76	16.53	-3,282.88	1,595.33	2,939.83	2,828.63	111.20	26.438		
4,900.00	4,817.14	4,779.14	4,779.14	21.50	95.72	16.66	-3,282.88	1,595.33	2,918.35	2,804.80	113.55	25.701		
5,000.00	4,914.61	4,876.61	4,876.61	22.02	97.68	16.78	-3,282.88	1,595.33	2,896.88	2,780.97	115.91	24.993		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
5,100.00	5,012.07	4,974.07	4,974.07	22.54	99.64	16.91	-3,282.88	1,595.33	2,875.42	2,757.16	118.26	24.314		
5,200.00	5,109.54	5,071.54	5,071.54	23.06	101.60	17.04	-3,282.88	1,595.33	2,853.98	2,733.36	120.62	23.661		
5,300.00	5,207.01	5,169.01	5,169.01	23.59	103.56	17.17	-3,282.88	1,595.33	2,832.56	2,709.58	122.98	23.033		
5,400.00	5,304.47	5,266.47	5,266.47	24.11	105.52	17.31	-3,282.88	1,595.33	2,811.14	2,685.81	125.33	22.429		
5,500.00	5,401.94	5,363.94	5,363.94	24.63	107.48	17.44	-3,282.88	1,595.33	2,789.75	2,662.05	127.69	21.847		
5,600.00	5,499.40	5,461.40	5,461.40	25.16	109.44	17.58	-3,282.88	1,595.33	2,768.36	2,638.31	130.05	21.287		
5,700.00	5,596.87	5,558.87	5,558.87	25.68	111.40	17.72	-3,282.88	1,595.33	2,747.00	2,614.58	132.41	20.746		
5,800.00	5,694.33	5,656.33	5,656.33	26.20	113.36	17.87	-3,282.88	1,595.33	2,725.65	2,590.87	134.77	20.224		
5,900.00	5,791.80	5,753.80	5,753.80	26.73	115.32	18.01	-3,282.88	1,595.33	2,704.31	2,567.18	137.14	19.720		
6,000.00	5,889.27	5,851.27	5,851.27	27.25	117.28	18.16	-3,282.88	1,595.33	2,683.00	2,543.50	139.50	19.233		
6,100.00	5,986.73	5,948.73	5,948.73	27.78	119.24	18.31	-3,282.88	1,595.33	2,661.70	2,519.84	141.86	18.763		
6,200.00	6,084.20	6,046.20	6,046.20	28.30	121.20	18.46	-3,282.88	1,595.33	2,640.42	2,496.19	144.23	18.307		
6,300.00	6,181.66	6,143.66	6,143.66	28.82	123.16	18.62	-3,282.88	1,595.33	2,619.15	2,472.56	146.59	17.867		
6,400.00	6,279.13	6,241.13	6,241.13	29.35	125.12	18.77	-3,282.88	1,595.33	2,597.91	2,448.95	148.96	17.440		
6,500.00	6,376.59	6,338.59	6,338.59	29.88	127.08	18.93	-3,282.88	1,595.33	2,576.68	2,425.36	151.33	17.027		
6,600.00	6,474.06	6,436.06	6,436.06	30.40	129.04	19.09	-3,282.88	1,595.33	2,555.48	2,401.78	153.69	16.627		
6,700.00	6,571.53	6,533.53	6,533.53	30.93	131.00	19.26	-3,282.88	1,595.33	2,534.29	2,378.23	156.06	16.239		
6,800.00	6,668.99	6,630.99	6,630.99	31.45	132.96	19.43	-3,282.88	1,595.33	2,513.12	2,354.69	158.43	15.862		
6,887.36	6,754.14	6,716.14	6,716.14	31.91	134.67	19.58	-3,282.88	1,595.33	2,494.65	2,334.15	160.50	15.543		
6,900.00	6,766.46	6,728.46	6,728.46	31.98	134.92	19.58	-3,282.88	1,595.33	2,492.00	2,331.20	160.80	15.497		
7,000.00	6,864.39	6,826.39	6,826.39	32.48	136.89	19.61	-3,282.88	1,595.33	2,472.90	2,309.72	163.18	15.155		
7,100.00	6,962.96	6,924.96	6,924.96	32.94	138.87	19.63	-3,282.88	1,595.33	2,457.05	2,291.50	165.55	14.842		
7,200.00	7,062.06	7,024.06	7,024.06	33.36	140.87	19.65	-3,282.88	1,595.33	2,444.46	2,276.53	167.92	14.557		
7,300.00	7,161.57	7,123.57	7,123.57	33.74	142.87	19.66	-3,282.88	1,595.33	2,435.14	2,264.85	170.29	14.300		
7,400.00	7,261.36	7,223.36	7,223.36	34.08	144.87	19.67	-3,282.88	1,595.33	2,429.11	2,256.46	172.65	14.070		
7,500.00	7,361.31	7,323.31	7,323.31	34.39	146.88	19.68	-3,282.88	1,595.33	2,426.36	2,251.36	174.99	13.866		
7,533.69	7,395.00	7,357.00	7,357.00	34.48	147.56	160.83	-3,282.88	1,595.33	2,426.17	2,250.39	175.77	13.803		
7,600.00	7,461.31	7,423.31	7,423.31	34.65	148.89	160.83	-3,282.88	1,595.33	2,426.17	2,248.86	177.31	13.683		
7,633.69	7,495.00	7,457.00	7,457.00	34.73	149.57	160.83	-3,282.88	1,595.33	2,426.17	2,248.08	178.09	13.623		
7,650.00	7,511.31	7,473.31	7,473.31	34.78	149.90	-18.84	-3,282.88	1,595.33	2,425.95	2,247.48	178.47	13.593		
7,700.00	7,561.16	7,523.16	7,523.16	34.94	150.90	-18.98	-3,282.88	1,595.33	2,422.54	2,242.91	179.63	13.486		
7,750.00	7,610.51	7,572.51	7,572.51	35.14	151.90	-19.29	-3,282.88	1,595.33	2,415.04	2,234.25	180.79	13.358		
7,800.00	7,658.98	7,620.98	7,620.98	35.37	152.87	-19.79	-3,282.88	1,595.33	2,403.50	2,221.57	181.92	13.212		
7,850.00	7,706.21	7,668.21	7,668.21	35.64	153.82	-20.48	-3,282.88	1,595.33	2,388.02	2,204.99	183.03	13.047		
7,900.00	7,751.82	7,713.82	7,713.82	35.93	154.74	-21.40	-3,282.88	1,595.33	2,368.73	2,184.63	184.10	12.867		
7,950.00	7,795.49	7,757.49	7,757.49	36.26	155.62	-22.59	-3,282.88	1,595.33	2,345.78	2,160.66	185.12	12.672		
8,000.00	7,836.86	7,801.14	7,798.86	36.62	156.49	-24.09	-3,282.88	1,595.33	2,319.36	2,133.24	186.12	12.462		
8,050.00	7,875.64	7,837.64	7,837.64	37.00	157.23	-25.97	-3,282.88	1,595.33	2,289.70	2,102.72	186.97	12.246		
8,100.00	7,911.52	7,873.52	7,873.52	37.42	157.95	-28.32	-3,282.88	1,595.33	2,257.03	2,069.23	187.80	12.019		
8,150.00	7,944.22	7,906.22	7,906.22	37.86	158.61	-31.25	-3,282.88	1,595.33	2,221.62	2,033.08	188.54	11.783		
8,200.00	7,973.51	7,935.51	7,935.51	38.32	159.20	-34.93	-3,282.88	1,595.33	2,183.76	1,994.56	189.20	11.542		
8,250.00	7,999.16	7,961.16	7,961.16	38.81	159.71	-39.55	-3,282.88	1,595.33	2,143.77	1,954.00	189.77	11.297		
8,300.00	8,020.98	7,982.98	7,982.98	39.31	160.15	-45.34	-3,282.88	1,595.33	2,101.97	1,911.72	190.25	11.049		
8,350.00	8,038.79	8,000.79	8,000.79	39.84	160.51	-52.54	-3,282.88	1,595.33	2,058.70	1,868.07	190.63	10.800		
8,400.00	8,052.46	8,014.46	8,014.46	40.38	160.78	-61.27	-3,282.88	1,595.33	2,014.32	1,823.41	190.91	10.551		
8,450.00	8,061.89	8,023.89	8,023.89	40.93	160.97	-71.43	-3,282.88	1,595.33	1,969.19	1,778.09	191.11	10.304		
8,500.00	8,067.01	8,029.01	8,029.01	41.49	161.08	-82.48	-3,282.88	1,595.33	1,923.67	1,732.47	191.20	10.061		
8,533.77	8,068.00	8,030.00	8,030.00	41.88	161.10	-90.00	-3,282.88	1,595.33	1,892.90	1,701.68	191.22	9.899		
8,600.00	8,068.00	8,030.00	8,030.00	42.64	161.10	-90.00	-3,282.88	1,595.33	1,832.81	1,641.59	191.22	9.585		
8,700.00	8,068.00	8,030.00	8,030.00	43.82	161.10	-90.00	-3,282.88	1,595.33	1,742.92	1,551.64	191.28	9.112		
8,800.00	8,068.00	8,030.00	8,030.00	45.04	161.10	-90.00	-3,282.88	1,595.33	1,654.20	1,462.76	191.44	8.641		
8,900.00	8,067.99	8,029.99	8,029.99	46.30	161.10	-90.00	-3,282.88	1,595.33	1,566.83	1,375.11	191.73	8.172		

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



# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,000.00	8,067.99	8,029.99	8,029.99	47.59	161.10	-90.00	-3,282.88	1,595.33	1,481.07	1,288.89	192.18	7.707		
9,100.00	8,067.99	8,029.99	8,029.99	48.91	161.10	-90.00	-3,282.88	1,595.33	1,397.20	1,204.36	192.84	7.245		
9,200.00	8,067.99	8,029.99	8,029.99	50.26	161.10	-90.00	-3,282.88	1,595.33	1,315.58	1,121.82	193.76	6.790		
9,300.00	8,067.99	8,029.99	8,029.99	51.63	161.10	-90.00	-3,282.88	1,595.33	1,236.67	1,041.66	195.01	6.342		
9,400.00	8,067.99	8,029.99	8,029.99	53.03	161.10	-90.00	-3,282.88	1,595.33	1,161.01	964.37	196.64	5.904		
9,500.00	8,067.98	8,029.98	8,029.98	54.44	161.09	-90.00	-3,282.88	1,595.33	1,089.28	890.57	198.71	5.482		
9,600.00	8,067.98	8,029.98	8,029.98	55.88	161.09	-90.00	-3,282.88	1,595.33	1,022.31	821.03	201.28	5.079		
9,700.00	8,067.98	8,029.98	8,029.98	57.34	161.09	-90.00	-3,282.88	1,595.33	961.10	756.75	204.35	4.703		
9,800.00	8,067.98	8,029.98	8,029.98	58.81	161.09	-90.00	-3,282.88	1,595.33	906.81	698.91	207.90	4.362		
9,900.00	8,067.98	8,029.98	8,029.98	60.31	161.09	-90.00	-3,282.88	1,595.33	860.76	648.93	211.83	4.063		
10,000.00	8,067.98	8,029.98	8,029.98	61.81	161.09	-90.00	-3,282.88	1,595.33	824.31	608.36	215.96	3.817		
10,100.00	8,067.98	8,029.98	8,029.98	63.33	161.09	-90.00	-3,282.88	1,595.33	798.80	578.78	220.03	3.630		
10,200.00	8,067.97	8,029.97	8,029.97	64.86	161.09	-90.00	-3,282.88	1,595.33	785.29	561.56	223.73	3.510		
10,257.04	8,067.97	8,029.97	8,029.97	65.74	161.09	-90.00	-3,282.88	1,595.33	783.21	557.64	225.57	3.472 CC		
10,300.00	8,067.97	8,029.97	8,029.97	66.41	161.09	-90.00	-3,282.88	1,595.33	784.39	557.60	226.80	3.459 ES, SF		
10,400.00	8,067.97	8,029.97	8,029.97	67.96	161.09	-90.00	-3,282.88	1,595.33	796.15	567.13	229.03	3.476		
10,500.00	8,067.97	8,029.97	8,029.97	69.53	161.09	-90.00	-3,282.88	1,595.33	820.03	589.66	230.38	3.560		
10,600.00	8,067.97	8,029.97	8,029.97	71.10	161.09	-90.00	-3,282.88	1,595.33	855.01	624.10	230.91	3.703		
10,700.00	8,067.97	8,029.97	8,029.97	72.69	161.09	-90.00	-3,282.88	1,595.33	899.80	669.01	230.79	3.899		
10,800.00	8,067.97	8,029.97	8,029.97	74.28	161.09	-90.00	-3,282.88	1,595.33	953.01	722.83	230.18	4.140		
10,900.00	8,067.97	8,029.97	8,029.97	75.88	161.09	-90.00	-3,282.88	1,595.33	1,013.32	784.06	229.26	4.420		
11,000.00	8,067.97	8,029.97	8,029.97	77.49	161.09	-90.00	-3,282.88	1,595.33	1,079.54	851.39	228.15	4.732		
11,100.00	8,067.97	8,029.97	8,029.97	79.10	161.09	-90.00	-3,282.88	1,595.33	1,150.65	923.69	226.97	5.070		
11,200.00	8,067.96	8,029.96	8,029.96	80.73	161.09	-90.00	-3,282.88	1,595.33	1,225.80	1,000.05	225.76	5.430		
11,300.00	8,067.96	8,029.96	8,029.96	82.35	161.09	-90.00	-3,282.88	1,595.33	1,304.29	1,079.72	224.57	5.808		
11,400.00	8,067.96	8,029.96	8,029.96	83.99	161.09	-90.00	-3,282.88	1,595.33	1,385.56	1,162.12	223.44	6.201		
11,500.00	8,067.96	8,029.96	8,029.96	85.63	161.09	-90.00	-3,282.88	1,595.33	1,469.14	1,246.77	222.37	6.607		
11,600.00	8,067.96	8,029.96	8,029.96	87.27	161.09	-90.00	-3,282.88	1,595.33	1,554.66	1,333.29	221.37	7.023		
11,700.00	8,067.96	8,029.96	8,029.96	88.92	161.09	-90.00	-3,282.88	1,595.33	1,641.81	1,421.38	220.43	7.448		
11,800.00	8,067.96	8,029.96	8,029.96	90.58	161.09	-90.00	-3,282.88	1,595.33	1,730.36	1,510.79	219.57	7.881		
11,900.00	8,067.96	8,029.96	8,029.96	92.23	161.09	-90.00	-3,282.88	1,595.33	1,820.09	1,601.32	218.77	8.320		
12,000.00	8,067.96	8,029.96	8,029.96	93.90	161.09	-90.00	-3,282.88	1,595.33	1,910.84	1,692.81	218.03	8.764		
12,100.00	8,067.96	8,029.96	8,029.96	95.56	161.09	-90.00	-3,282.88	1,595.33	2,002.47	1,785.12	217.35	9.213		
12,200.00	8,067.96	8,029.96	8,029.96	97.23	161.09	-90.00	-3,282.88	1,595.33	2,094.87	1,878.15	216.73	9.666		
12,300.00	8,067.96	8,029.96	8,029.96	98.91	161.09	-90.00	-3,282.88	1,595.33	2,187.94	1,971.79	216.15	10.123		
12,400.00	8,067.96	8,029.96	8,029.96	100.59	161.09	-90.00	-3,282.88	1,595.33	2,281.59	2,065.98	215.61	10.582		
12,500.00	8,067.96	8,029.96	8,029.96	102.27	161.09	-90.00	-3,282.88	1,595.33	2,375.76	2,160.65	215.11	11.044		
12,600.00	8,067.96	8,029.96	8,029.96	103.95	161.09	-90.00	-3,282.88	1,595.33	2,470.39	2,255.74	214.66	11.509		
12,700.00	8,067.96	8,029.96	8,029.96	105.64	161.09	-90.00	-3,282.88	1,595.33	2,565.43	2,351.20	214.23	11.975		
12,800.00	8,067.96	8,029.96	8,029.96	107.33	161.09	-90.00	-3,282.88	1,595.33	2,660.83	2,446.99	213.84	12.443		
12,900.00	8,067.96	8,029.96	8,029.96	109.02	161.09	-90.00	-3,282.88	1,595.33	2,756.56	2,543.09	213.47	12.913		
13,000.00	8,067.96	8,029.96	8,029.96	110.71	161.09	-90.00	-3,282.88	1,595.33	2,852.58	2,639.45	213.13	13.384		
13,100.00	8,067.96	8,029.96	8,029.96	112.41	161.09	-90.00	-3,282.88	1,595.33	2,948.86	2,736.05	212.81	13.856		
13,200.00	8,067.96	8,029.96	8,029.96	114.11	161.09	-90.00	-3,282.88	1,595.33	3,045.39	2,832.87	212.52	14.330		
13,300.00	8,067.96	8,029.96	8,029.96	115.81	161.09	-90.00	-3,282.88	1,595.33	3,142.13	2,929.88	212.25	14.804		
13,400.00	8,067.96	8,029.96	8,029.96	117.52	161.09	-90.00	-3,282.88	1,595.33	3,239.07	3,027.08	211.99	15.279		
13,500.00	8,067.96	8,029.96	8,029.96	119.22	161.09	-90.00	-3,282.88	1,595.33	3,336.19	3,124.43	211.75	15.755		
13,600.00	8,067.96	8,029.96	8,029.96	120.93	161.09	-90.00	-3,282.88	1,595.33	3,433.47	3,221.94	211.53	16.232		
13,700.00	8,067.96	8,029.96	8,029.96	122.64	161.09	-90.00	-3,282.88	1,595.33	3,530.91	3,319.59	211.32	16.709		
13,800.00	8,067.96	8,029.96	8,029.96	124.35	161.09	-90.00	-3,282.88	1,595.33	3,628.48	3,417.36	211.13	17.186		
13,900.00	8,067.96	8,029.96	8,029.96	126.06	161.09	-90.00	-3,282.88	1,595.33	3,726.19	3,515.24	210.95	17.664		
14,000.00	8,067.96	8,029.96	8,029.96	127.78	161.09	-90.00	-3,282.88	1,595.33	3,824.01	3,613.24	210.78	18.143		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	8,067.96	8,029.96	8,029.96	129.50	161.09	-90.00	-3,282.88	1,595.33	3,921.95	3,711.33	210.62	18.621		
14,200.00	8,067.96	8,029.96	8,029.96	131.21	161.09	-90.00	-3,282.88	1,595.33	4,019.98	3,809.51	210.47	19.100		
14,300.00	8,067.96	8,029.96	8,029.96	132.93	161.09	-90.00	-3,282.88	1,595.33	4,118.11	3,907.78	210.33	19.579		
14,400.00	8,067.96	8,029.96	8,029.96	134.65	161.09	-90.00	-3,282.88	1,595.33	4,216.33	4,006.13	210.20	20.058		
14,500.00	8,067.96	8,029.96	8,029.96	136.38	161.09	-90.00	-3,282.88	1,595.33	4,314.63	4,104.55	210.08	20.538		
14,600.00	8,067.96	8,029.96	8,029.96	138.10	161.09	-90.00	-3,282.88	1,595.33	4,413.00	4,203.03	209.97	21.017		
14,700.00	8,067.96	8,029.96	8,029.96	139.82	161.09	-90.00	-3,282.88	1,595.33	4,511.45	4,301.59	209.86	21.497		
14,800.00	8,067.96	8,029.96	8,029.96	141.55	161.09	-90.00	-3,282.88	1,595.33	4,609.96	4,400.20	209.77	21.977		
14,900.00	8,067.96	8,029.96	8,029.96	143.28	161.09	-90.00	-3,282.88	1,595.33	4,708.54	4,498.87	209.67	22.456		
15,000.00	8,067.96	8,029.96	8,029.96	145.00	161.09	-90.00	-3,282.88	1,595.33	4,807.18	4,597.59	209.59	22.936		
15,100.00	8,067.96	8,029.96	8,029.96	146.73	161.09	-90.00	-3,282.88	1,595.33	4,905.87	4,696.36	209.51	23.416		
15,200.00	8,067.96	8,029.96	8,029.96	148.46	161.09	-90.00	-3,282.88	1,595.33	5,004.61	4,795.17	209.44	23.895		
15,300.00	8,067.96	8,029.96	8,029.96	150.19	161.09	-90.00	-3,282.88	1,595.33	5,103.40	4,894.03	209.37	24.375		
15,400.00	8,067.96	8,029.96	8,029.96	151.93	161.09	-90.00	-3,282.88	1,595.33	5,202.24	4,992.93	209.31	24.854		
15,500.00	8,067.96	8,029.96	8,029.96	153.66	161.09	-90.00	-3,282.88	1,595.33	5,301.12	5,091.87	209.25	25.334		
15,600.00	8,067.96	8,029.96	8,029.96	155.39	161.09	-90.00	-3,282.88	1,595.33	5,400.04	5,190.84	209.20	25.813		
15,700.00	8,067.97	8,029.97	8,029.97	157.13	161.09	-90.00	-3,282.88	1,595.33	5,499.00	5,289.85	209.15	26.292		
15,800.00	8,067.97	8,029.97	8,029.97	158.86	161.09	-90.00	-3,282.88	1,595.33	5,598.00	5,388.90	209.11	26.771		
15,900.00	8,067.97	8,029.97	8,029.97	160.60	161.09	-90.00	-3,282.88	1,595.33	5,697.03	5,487.97	209.07	27.250		
16,000.00	8,067.97	8,029.97	8,029.97	162.34	161.09	-90.00	-3,282.88	1,595.33	5,796.10	5,587.07	209.03	27.729		
16,100.00	8,067.97	8,029.97	8,029.97	164.08	161.09	-90.00	-3,282.88	1,595.33	5,895.20	5,686.20	209.00	28.207		
16,200.00	8,067.97	8,029.97	8,029.97	165.81	161.09	-90.00	-3,282.88	1,595.33	5,994.33	5,785.36	208.97	28.685		
16,300.00	8,067.97	8,029.97	8,029.97	167.55	161.09	-90.01	-3,282.88	1,595.33	6,093.48	5,884.54	208.94	29.163		
16,400.00	8,067.97	8,029.97	8,029.97	169.29	161.09	-90.01	-3,282.88	1,595.33	6,192.67	5,983.75	208.92	29.641		
16,500.00	8,067.97	8,029.97	8,029.97	171.04	161.09	-90.01	-3,282.88	1,595.33	6,291.88	6,082.97	208.90	30.119		
16,600.00	8,067.98	8,029.98	8,029.98	172.78	161.09	-90.01	-3,282.88	1,595.33	6,391.11	6,182.22	208.89	30.596		
16,700.00	8,067.98	8,029.98	8,029.98	174.52	161.09	-90.01	-3,282.88	1,595.33	6,490.37	6,281.49	208.87	31.073		
16,800.00	8,067.98	8,029.98	8,029.98	176.26	161.09	-90.01	-3,282.88	1,595.33	6,589.65	6,380.78	208.86	31.550		
16,900.00	8,067.98	8,029.98	8,029.98	178.01	161.09	-90.01	-3,282.88	1,595.33	6,688.95	6,480.09	208.86	32.027		
17,000.00	8,067.98	8,029.98	8,029.98	179.75	161.09	-90.01	-3,282.88	1,595.33	6,788.27	6,579.42	208.85	32.503		
17,100.00	8,067.98	8,029.98	8,029.98	181.49	161.09	-90.01	-3,282.88	1,595.33	6,887.61	6,678.76	208.85	32.979		
17,200.00	8,067.98	8,029.98	8,029.98	183.24	161.09	-90.01	-3,282.88	1,595.33	6,986.97	6,778.12	208.85	33.455		
17,300.00	8,067.99	8,029.99	8,029.99	184.99	161.10	-90.01	-3,282.88	1,595.33	7,086.35	6,877.50	208.85	33.930		
17,400.00	8,067.99	8,029.99	8,029.99	186.73	161.10	-90.01	-3,282.88	1,595.33	7,185.75	6,976.89	208.86	34.405		
17,500.00	8,067.99	8,029.99	8,029.99	188.48	161.10	-90.01	-3,282.88	1,595.33	7,285.16	7,076.30	208.86	34.880		
17,600.00	8,067.99	8,029.99	8,029.99	190.23	161.10	-90.01	-3,282.88	1,595.33	7,384.59	7,175.71	208.87	35.355		
17,700.00	8,067.99	8,029.99	8,029.99	191.97	161.10	-90.01	-3,282.88	1,595.33	7,484.03	7,275.15	208.88	35.829		
17,800.00	8,067.99	8,029.99	8,029.99	193.72	161.10	-90.01	-3,282.88	1,595.33	7,583.49	7,374.59	208.90	36.303		
17,900.00	8,068.00	8,030.00	8,030.00	195.47	161.10	-90.01	-3,282.88	1,595.33	7,682.96	7,474.05	208.91	36.776		
18,000.00	8,068.00	8,030.00	8,030.00	197.22	161.10	-90.01	-3,282.88	1,595.33	7,782.44	7,573.52	208.93	37.249		
18,100.00	8,068.00	8,030.00	8,030.00	198.97	161.10	-90.01	-3,282.88	1,595.33	7,881.94	7,673.00	208.95	37.722		
18,184.63	8,068.00	8,030.00	8,030.00	200.45	161.10	-90.01	-3,282.88	1,595.33	7,966.16	7,757.20	208.96	38.122		
18,185.16	8,068.00	8,030.00	8,030.00	200.47	161.10	-90.01	-3,282.88	1,595.33	7,966.68	7,754.50	212.18	37.547		

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 16-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	0.00	0.00	0.00	0.00	154.73	-3,285.80	1,550.79	3,633.42					
100.00	100.00	1,272.75	1,247.91	0.13	5.62	155.62	-3,131.85	1,419.67	3,631.20	3,625.76	5.44	667.959		
200.00	200.00	1,323.42	1,295.85	0.49	5.94	155.68	-3,118.98	1,409.50	3,599.67	3,593.90	5.76	624.490		
300.00	300.00	1,406.09	1,374.40	0.85	6.45	155.78	-3,098.47	1,393.92	3,569.18	3,562.84	6.34	562.879		
400.00	400.00	1,576.17	1,535.26	1.21	7.54	156.01	-3,055.06	1,359.77	3,537.61	3,530.25	7.36	480.892		
500.00	500.00	1,722.51	1,672.56	1.57	8.52	156.21	-3,014.92	1,328.90	3,503.65	3,495.36	8.29	422.479		
600.00	600.00	1,787.77	1,733.83	1.93	8.96	156.30	-2,996.79	1,315.63	3,469.97	3,461.08	8.89	390.276		
700.00	700.00	1,849.05	1,791.58	2.29	9.37	156.38	-2,980.28	1,303.46	3,437.22	3,427.73	9.48	362.385		
800.00	800.00	1,916.12	1,854.94	2.64	9.81	156.47	-2,962.83	1,290.08	3,405.29	3,395.18	10.11	336.741		
900.00	900.00	2,009.50	1,943.22	3.00	10.43	156.62	-2,939.33	1,270.76	3,373.85	3,362.99	10.86	310.673		
1,000.00	1,000.00	2,064.83	1,995.55	3.36	10.79	156.72	-2,925.87	1,258.82	3,342.85	3,331.39	11.46	291.806		
1,100.00	1,100.00	2,116.00	2,044.12	3.72	11.12	156.82	-2,914.20	1,247.75	3,313.16	3,301.13	12.04	275.189		
1,200.00	1,200.00	2,281.68	2,201.20	4.08	12.20	157.17	-2,876.45	1,210.99	3,283.49	3,270.38	13.11	250.437		
1,300.00	1,299.98	2,358.05	2,273.38	4.42	12.71	16.37	-2,857.84	1,194.38	3,250.89	3,237.09	13.80	235.605		
1,400.00	1,399.84	2,431.40	2,342.97	4.75	13.19	16.75	-2,840.48	1,179.01	3,216.05	3,201.58	14.47	222.329		
1,500.00	1,499.45	2,518.65	2,425.75	5.09	13.75	17.21	-2,820.03	1,160.50	3,178.27	3,163.08	15.19	209.221		
1,600.00	1,598.70	2,596.91	2,500.13	5.44	14.26	17.69	-2,801.89	1,144.34	3,137.90	3,122.02	15.88	197.584		
1,700.00	1,697.47	2,712.16	2,609.48	5.81	15.01	18.36	-2,774.37	1,120.50	3,093.87	3,077.15	16.72	185.037		
1,800.00	1,795.62	2,772.00	2,666.30	6.19	15.40	18.90	-2,760.27	1,108.09	3,047.33	3,029.98	17.34	175.711		
1,846.33	1,840.86	2,805.58	2,698.24	6.38	15.61	19.20	-2,752.49	1,101.25	3,025.02	3,007.36	17.66	171.322		
1,900.00	1,893.17	2,840.83	2,731.82	6.60	15.84	19.33	-2,744.37	1,094.30	2,999.00	2,981.00	18.00	166.607		
2,000.00	1,990.64	2,916.45	2,804.03	7.02	16.31	19.62	-2,727.00	1,080.06	2,950.94	2,932.26	18.68	158.013		
2,100.00	2,088.10	3,002.24	2,886.06	7.46	16.84	19.93	-2,707.12	1,064.65	2,903.10	2,883.71	19.39	149.711		
2,200.00	2,185.57	3,091.61	2,971.47	7.91	17.39	20.27	-2,686.42	1,048.43	2,855.27	2,835.14	20.13	141.849		
2,300.00	2,283.03	3,210.28	3,084.57	8.37	18.14	20.79	-2,659.27	1,024.90	2,807.28	2,786.29	20.99	133.745		
2,400.00	2,380.50	3,315.65	3,184.50	8.84	18.83	21.28	-2,634.17	1,002.85	2,758.13	2,736.31	21.82	126.432		
2,500.00	2,477.97	3,404.99	3,269.17	9.32	19.42	21.72	-2,612.60	984.24	2,708.88	2,686.30	22.59	119.919		
2,600.00	2,575.43	3,475.40	3,335.94	9.80	19.88	22.07	-2,595.64	969.68	2,659.86	2,636.55	23.30	114.133		
2,700.00	2,672.90	3,561.82	3,418.03	10.28	20.44	22.52	-2,575.42	951.77	2,611.51	2,587.43	24.08	108.434		
2,800.00	2,770.36	3,669.09	3,519.73	10.77	21.14	23.08	-2,549.08	930.10	2,562.44	2,537.50	24.94	102.763		
2,900.00	2,867.83	3,764.43	3,610.00	11.26	21.78	23.60	-2,525.46	910.51	2,513.25	2,487.50	25.76	97.578		
3,000.00	2,965.29	3,835.10	3,676.81	11.76	22.24	24.02	-2,507.87	895.62	2,464.00	2,437.49	26.51	92.947		
3,100.00	3,062.76	3,897.00	3,735.61	12.26	22.65	24.38	-2,493.17	883.07	2,415.97	2,388.72	27.24	88.678		
3,200.00	3,160.23	3,974.27	3,809.14	12.76	23.15	24.86	-2,475.36	867.36	2,368.71	2,340.67	28.04	84.484		
3,300.00	3,257.69	4,057.58	3,888.30	13.27	23.69	25.40	-2,456.23	849.79	2,321.53	2,292.66	28.87	80.426		
3,400.00	3,355.16	4,145.57	3,971.92	13.77	24.26	26.01	-2,436.11	831.23	2,274.62	2,244.90	29.72	76.535		
3,500.00	3,452.62	4,233.33	4,055.31	14.28	24.83	26.63	-2,415.86	812.80	2,227.76	2,197.18	30.58	72.841		
3,600.00	3,550.09	4,310.19	4,128.40	14.79	25.32	27.18	-2,398.08	797.02	2,181.19	2,149.77	31.42	69.415		
3,700.00	3,647.55	4,383.26	4,198.12	15.30	25.78	27.70	-2,381.44	782.85	2,135.40	2,103.15	32.26	66.200		
3,800.00	3,745.02	4,469.07	4,279.97	15.81	26.32	28.36	-2,362.30	765.64	2,090.11	2,056.96	33.14	63.063		
3,900.00	3,842.49	4,570.20	4,376.27	16.32	26.97	29.18	-2,339.36	744.95	2,044.62	2,010.52	34.09	59.974		
4,000.00	3,939.95	4,651.11	4,453.27	16.84	27.49	29.87	-2,320.96	728.23	1,999.31	1,964.31	35.00	57.119		
4,100.00	4,037.42	4,779.58	4,575.17	17.35	28.33	31.04	-2,290.83	701.12	1,953.67	1,917.61	36.06	54.182		
4,200.00	4,134.88	4,874.18	4,664.33	17.87	28.97	31.96	-2,266.86	680.49	1,906.46	1,869.41	37.05	51.461		
4,300.00	4,232.35	4,937.15	4,723.95	18.39	29.39	32.57	-2,251.35	667.44	1,860.45	1,822.48	37.98	48.988		
4,400.00	4,329.81	5,028.51	4,810.63	18.90	29.99	33.49	-2,229.10	649.10	1,815.16	1,776.18	38.98	46.566		
4,500.00	4,427.28	5,150.91	4,926.20	19.42	30.82	34.81	-2,197.74	623.76	1,768.98	1,728.91	40.07	44.149		
4,600.00	4,524.75	5,241.68	5,011.55	19.94	31.44	35.85	-2,173.41	604.67	1,722.17	1,681.05	41.13	41.874		
4,700.00	4,622.21	5,316.26	5,081.63	20.46	31.96	36.77	-2,153.63	588.58	1,676.02	1,633.82	42.19	39.721		
4,800.00	4,719.68	5,384.69	5,146.10	20.98	32.43	37.64	-2,136.01	573.90	1,631.03	1,587.75	43.28	37.684		
4,900.00	4,817.14	5,479.16	5,235.18	21.50	33.07	38.91	-2,111.92	553.68	1,586.84	1,542.39	44.45	35.703		
5,000.00	4,914.61	5,556.77	5,308.31	22.02	33.60	40.00	-2,091.93	537.05	1,543.00	1,497.38	45.61	33.827		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 16-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	5,012.07	5,634.61	5,381.89	22.54	34.12	41.12	-2,072.23	521.03	1,500.23	1,453.43	46.81	32.052		
5,200.00	5,109.54	5,718.87	5,461.67	23.06	34.69	42.38	-2,051.14	503.99	1,458.40	1,410.36	48.04	30.356		
5,300.00	5,207.01	5,808.19	5,545.89	23.59	35.29	43.84	-2,028.66	484.54	1,417.14	1,367.78	49.35	28.714		
5,400.00	5,304.47	5,891.68	5,624.57	24.11	35.86	45.28	-2,007.41	466.40	1,376.47	1,325.77	50.70	27.150		
5,500.00	5,401.94	5,965.04	5,693.97	24.63	36.35	46.57	-1,989.16	451.18	1,337.19	1,285.14	52.06	25.688		
5,600.00	5,499.40	6,034.01	5,759.45	25.16	36.80	47.82	-1,972.72	437.03	1,299.77	1,246.34	53.43	24.325		
5,700.00	5,596.87	6,110.00	5,831.83	25.68	37.29	49.24	-1,955.44	421.67	1,264.30	1,209.45	54.85	23.049		
5,800.00	5,694.33	6,185.82	5,904.39	26.20	37.76	50.67	-1,938.80	407.31	1,230.49	1,174.20	56.29	21.861		
5,900.00	5,791.80	6,262.61	5,978.02	26.73	38.22	52.18	-1,922.71	392.61	1,198.67	1,140.92	57.75	20.757		
6,000.00	5,889.27	6,348.15	6,060.51	27.25	38.71	53.84	-1,905.41	377.98	1,168.37	1,109.15	59.22	19.729		
6,100.00	5,986.73	6,432.73	6,142.43	27.78	39.18	55.47	-1,888.85	365.01	1,139.45	1,078.77	60.68	18.779		
6,200.00	6,084.20	6,514.18	6,221.49	28.30	39.62	57.08	-1,873.43	352.97	1,112.12	1,049.99	62.13	17.900		
6,300.00	6,181.66	6,594.29	6,289.75	28.82	39.98	58.49	-1,861.07	342.78	1,087.04	1,023.48	63.56	17.102		
6,400.00	6,279.13	6,657.56	6,361.40	29.35	40.34	59.97	-1,849.65	332.60	1,064.77	999.79	64.97	16.388		
6,500.00	6,376.59	6,739.98	6,442.33	29.88	40.73	61.61	-1,838.27	321.94	1,044.93	978.54	66.38	15.741		
6,600.00	6,474.06	6,834.20	6,535.01	30.40	41.15	63.49	-1,825.68	310.59	1,026.39	958.59	67.80	15.139		
6,700.00	6,571.53	6,928.41	6,627.98	30.93	41.55	65.33	-1,813.65	301.23	1,008.75	939.59	69.17	14.585		
6,800.00	6,668.99	7,014.98	6,713.56	31.45	41.90	67.00	-1,803.11	293.51	992.33	921.85	70.48	14.080		
6,887.36	6,754.14	7,082.95	6,780.83	31.91	42.17	68.34	-1,795.66	287.31	979.83	908.24	71.58	13.688		
6,900.00	6,766.46	7,092.75	6,790.54	31.98	42.21	68.50	-1,794.66	286.40	978.19	906.45	71.74	13.635		
7,000.00	6,864.39	7,171.62	6,868.80	32.48	42.50	69.72	-1,787.71	279.50	967.39	894.49	72.90	13.270		
7,100.00	6,962.96	7,257.48	6,954.22	32.94	42.79	70.88	-1,782.10	273.01	959.91	885.98	73.94	12.983		
7,200.00	7,062.06	7,344.49	7,040.98	33.36	43.05	71.84	-1,778.27	267.64	955.19	880.36	74.83	12.765		
7,300.00	7,161.57	7,426.59	7,122.93	33.74	43.28	72.57	-1,776.28	263.03	953.23	877.66	75.57	12.614		
7,312.23	7,173.75	7,436.48	7,132.79	33.78	43.31	72.64	-1,776.14	262.44	953.21	877.56	75.65	12.600		
7,400.00	7,261.36	7,526.64	7,222.83	34.08	43.54	73.23	-1,775.54	257.59	953.78	877.49	76.29	12.502		
7,500.00	7,361.31	7,647.13	7,343.27	34.39	43.82	73.61	-1,774.91	254.45	954.01	877.05	76.97	12.395		
7,533.69	7,395.00	7,680.76	7,376.89	34.48	43.89	-145.20	-1,774.59	254.03	953.93	876.79	77.14	12.366		
7,600.00	7,461.31	7,747.71	7,443.84	34.65	44.05	-145.15	-1,774.11	253.49	953.85	876.37	77.48	12.311		
7,633.69	7,495.00	7,780.62	7,476.75	34.73	44.11	-145.14	-1,773.94	253.30	953.81	876.18	77.64	12.286		
7,650.00	7,511.31	7,796.67	7,492.80	34.78	44.15	35.23	-1,773.87	253.22	953.61	875.90	77.72	12.270		
7,700.00	7,561.16	7,845.73	7,541.85	34.94	44.25	35.54	-1,773.72	253.02	950.67	872.67	78.00	12.187		
7,750.00	7,610.51	7,894.30	7,590.43	35.14	44.36	36.20	-1,773.67	252.89	944.25	865.91	78.34	12.053		
7,800.00	7,658.98	7,942.43	7,638.56	35.37	44.46	37.24	-1,773.71	252.81	934.43	855.71	78.72	11.870		
7,850.00	7,706.21	7,990.10	7,686.23	35.64	44.55	38.69	-1,773.80	252.83	921.30	842.16	79.14	11.641		
7,900.00	7,751.82	8,036.19	7,732.32	35.93	44.65	40.57	-1,773.93	252.95	905.04	825.43	79.60	11.369		
7,950.00	7,795.49	8,080.37	7,776.50	36.26	44.74	42.93	-1,774.10	253.16	885.85	805.74	80.11	11.058		
8,000.00	7,836.86	8,122.30	7,818.43	36.62	44.82	45.80	-1,774.31	253.43	864.02	783.38	80.64	10.714		
8,050.00	7,875.64	8,161.41	7,857.53	37.00	44.90	49.20	-1,774.49	253.70	839.89	758.68	81.22	10.342		
8,100.00	7,911.52	8,197.63	7,893.75	37.42	44.97	53.15	-1,774.65	253.95	813.84	732.02	81.81	9.947		
8,150.00	7,944.22	8,230.64	7,926.77	37.86	45.04	57.61	-1,774.77	254.17	786.30	703.86	82.43	9.538		
8,200.00	7,973.51	8,260.21	7,956.33	38.32	45.10	62.48	-1,774.88	254.37	757.76	674.70	83.07	9.122		
8,250.00	7,999.16	8,286.10	7,982.21	38.81	45.15	67.60	-1,774.96	254.54	728.77	645.08	83.69	8.708		
8,300.00	8,020.98	8,308.18	8,004.30	39.31	45.20	72.74	-1,775.02	254.68	699.91	615.62	84.29	8.303		
8,350.00	8,038.79	8,326.34	8,022.45	39.84	45.24	77.67	-1,775.06	254.79	671.83	586.99	84.84	7.919		
8,400.00	8,052.46	8,340.24	8,036.36	40.38	45.27	82.12	-1,775.09	254.88	645.19	559.90	85.29	7.565		
8,450.00	8,061.89	8,349.82	8,045.94	40.93	45.29	85.89	-1,775.10	254.94	620.67	535.07	85.60	7.251		
8,500.00	8,067.01	8,355.02	8,051.14	41.49	45.30	88.84	-1,775.10	254.97	598.94	513.23	85.71	6.988		
8,533.77	8,068.00	8,356.04	8,052.16	41.88	45.30	90.33	-1,775.10	254.97	586.15	500.51	85.65	6.844		
8,600.00	8,068.00	8,356.09	8,052.21	42.64	45.30	90.34	-1,775.10	254.97	566.10	480.94	85.16	6.647		
8,700.00	8,068.00	8,356.16	8,052.28	43.82	45.30	90.34	-1,775.10	254.97	549.73	466.29	83.44	6.588 SF		
8,741.32	8,068.00	8,356.19	8,052.31	44.32	45.30	90.35	-1,775.10	254.97	548.17	465.78	82.40	6.653 CC, ES		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Sec 33-T1N-R68W - GRAEBER 31-33D - Wellbore #1 - Wellbore #1		Offset Site Error:		0.00 usft
Survey Program:		16-MWD											Offset Well Error:		0.00 usft		
Reference		Offset		Semi Major Axis		Distance								Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
8,800.00	8,068.00	8,356.24	8,052.35	45.04	45.30	90.35	-1,775.10	254.97	551.31	470.67	80.63	6.837					
8,900.00	8,067.99	8,356.31	8,052.42	46.30	45.30	90.36	-1,775.10	254.97	570.68	493.46	77.22	7.390					
9,000.00	8,067.99	8,356.38	8,052.49	47.59	45.30	90.37	-1,775.10	254.98	606.14	532.30	73.85	8.208					
9,100.00	8,067.99	8,356.45	8,052.56	48.91	45.30	90.37	-1,775.10	254.98	655.09	584.11	70.98	9.229					
9,200.00	8,067.99	8,356.52	8,052.63	50.26	45.30	90.38	-1,775.10	254.98	714.76	645.96	68.80	10.389					
9,300.00	8,067.99	8,356.59	8,052.70	51.63	45.30	90.39	-1,775.10	254.98	782.70	715.44	67.26	11.637					
9,400.00	8,067.99	8,356.65	8,052.77	53.03	45.30	90.39	-1,775.10	254.98	856.94	790.72	66.22	12.940					
9,500.00	8,067.98	8,356.72	8,052.84	54.44	45.30	90.40	-1,775.10	254.98	935.99	870.43	65.56	14.277					
9,600.00	8,067.98	8,356.79	8,052.91	55.88	45.30	90.41	-1,775.10	254.98	1,018.74	953.58	65.16	15.635					
9,700.00	8,067.98	8,356.86	8,052.97	57.34	45.30	90.42	-1,775.10	254.98	1,104.34	1,039.40	64.93	17.007					
9,800.00	8,067.98	8,356.92	8,053.04	58.81	45.30	90.42	-1,775.10	254.98	1,192.18	1,127.35	64.83	18.390					
9,900.00	8,067.98	8,356.99	8,053.11	60.31	45.30	90.43	-1,775.10	254.98	1,281.81	1,217.00	64.81	19.779					
10,000.00	8,067.98	8,357.06	8,053.17	61.81	45.30	90.44	-1,775.10	254.98	1,372.87	1,308.03	64.84	21.175					
10,100.00	8,067.98	8,357.12	8,053.24	63.33	45.30	90.44	-1,775.10	254.98	1,465.09	1,400.19	64.90	22.574					
10,200.00	8,067.97	8,357.19	8,053.30	64.86	45.30	90.45	-1,775.10	254.98	1,558.28	1,493.29	64.99	23.976					
10,300.00	8,067.97	8,357.25	8,053.37	66.41	45.30	90.46	-1,775.10	254.98	1,652.26	1,587.16	65.10	25.381					
10,400.00	8,067.97	8,357.31	8,053.43	67.96	45.30	90.46	-1,775.10	254.98	1,746.91	1,681.70	65.22	26.787					
10,500.00	8,067.97	8,357.38	8,053.50	69.53	45.30	90.47	-1,775.10	254.98	1,842.13	1,776.80	65.34	28.195					
10,600.00	8,067.97	8,357.44	8,053.56	71.10	45.30	90.48	-1,775.10	254.98	1,937.83	1,872.37	65.46	29.603					
10,700.00	8,067.97	8,357.50	8,053.62	72.69	45.31	90.48	-1,775.10	254.98	2,033.94	1,968.36	65.59	31.012					
10,800.00	8,067.97	8,357.57	8,053.68	74.28	45.31	90.49	-1,775.10	254.98	2,130.41	2,064.70	65.71	32.421					
10,900.00	8,067.97	8,357.63	8,053.75	75.88	45.31	90.50	-1,775.10	254.98	2,227.19	2,161.36	65.83	33.830					
11,000.00	8,067.97	8,357.69	8,053.81	77.49	45.31	90.50	-1,775.10	254.98	2,324.25	2,258.29	65.96	35.239					
11,100.00	8,067.97	8,357.75	8,053.87	79.10	45.31	90.51	-1,775.10	254.98	2,421.54	2,355.47	66.08	36.647					
11,200.00	8,067.96	8,357.81	8,053.93	80.73	45.31	90.52	-1,775.10	254.98	2,519.05	2,452.85	66.20	38.054					
11,300.00	8,067.96	8,357.87	8,053.99	82.35	45.31	90.52	-1,775.10	254.98	2,616.74	2,550.43	66.31	39.461					
11,400.00	8,067.96	8,357.93	8,054.05	83.99	45.31	90.53	-1,775.10	254.98	2,714.61	2,648.18	66.43	40.866					
11,500.00	8,067.96	8,357.99	8,054.11	85.63	45.31	90.54	-1,775.10	254.98	2,812.62	2,746.08	66.54	42.270					
11,600.00	8,067.96	8,358.05	8,054.17	87.27	45.31	90.54	-1,775.10	254.99	2,910.77	2,844.12	66.65	43.673					
11,700.00	8,067.96	8,358.11	8,054.23	88.92	45.31	90.55	-1,775.10	254.99	3,009.04	2,942.28	66.76	45.074					
11,800.00	8,067.96	8,358.17	8,054.28	90.58	45.31	90.55	-1,775.10	254.99	3,107.42	3,040.55	66.86	46.474					
11,900.00	8,067.96	8,358.22	8,054.34	92.23	45.31	90.56	-1,775.10	254.99	3,205.90	3,138.93	66.97	47.872					
12,000.00	8,067.96	8,358.28	8,054.40	93.90	45.31	90.57	-1,775.10	254.99	3,304.47	3,237.40	67.07	49.268					
12,100.00	8,067.96	8,358.34	8,054.46	95.56	45.31	90.57	-1,775.10	254.99	3,403.12	3,335.95	67.17	50.662					
12,200.00	8,067.96	8,358.40	8,054.51	97.23	45.31	90.58	-1,775.10	254.99	3,501.85	3,434.58	67.27	52.055					
12,300.00	8,067.96	8,358.45	8,054.57	98.91	45.31	90.59	-1,775.10	254.99	3,600.66	3,533.28	67.37	53.445					
12,400.00	8,067.96	8,358.51	8,054.63	100.59	45.31	90.59	-1,775.10	254.99	3,699.52	3,632.05	67.47	54.833					
12,500.00	8,067.96	8,358.56	8,054.68	102.27	45.31	90.60	-1,775.10	254.99	3,798.45	3,730.88	67.57	56.219					
12,600.00	8,067.96	8,358.62	8,054.74	103.95	45.31	90.60	-1,775.10	254.99	3,897.43	3,829.77	67.66	57.603					
12,700.00	8,067.96	8,358.68	8,054.79	105.64	45.31	90.61	-1,775.10	254.99	3,996.46	3,928.70	67.75	58.984					
12,800.00	8,067.96	8,358.73	8,054.85	107.33	45.31	90.61	-1,775.10	254.99	4,095.54	4,027.69	67.85	60.363					
12,900.00	8,067.96	8,358.78	8,054.90	109.02	45.31	90.62	-1,775.10	254.99	4,194.66	4,126.72	67.94	61.740					
13,000.00	8,067.96	8,358.84	8,054.96	110.71	45.31	90.63	-1,775.10	254.99	4,293.82	4,225.79	68.03	63.114					
13,100.00	8,067.96	8,358.89	8,055.01	112.41	45.31	90.63	-1,775.10	254.99	4,393.02	4,324.90	68.12	64.485					
13,200.00	8,067.96	8,358.95	8,055.06	114.11	45.31	90.64	-1,775.10	254.99	4,492.26	4,424.04	68.22	65.854					
13,300.00	8,067.96	8,359.00	8,055.12	115.81	45.31	90.64	-1,775.10	254.99	4,591.53	4,523.22	68.31	67.220					
13,400.00	8,067.96	8,359.05	8,055.17	117.52	45.31	90.65	-1,775.11	254.99	4,690.83	4,622.43	68.40	68.584					
13,500.00	8,067.96	8,359.10	8,055.22	119.22	45.31	90.66	-1,775.11	254.99	4,790.16	4,721.67	68.49	69.944					
13,600.00	8,067.96	8,359.16	8,055.27	120.93	45.31	90.66	-1,775.11	254.99	4,889.51	4,820.94	68.57	71.302					
13,700.00	8,067.96	8,359.21	8,055.33	122.64	45.31	90.67	-1,775.11	254.99	4,988.89	4,920.23	68.66	72.657					
13,800.00	8,067.96	8,359.26	8,055.38	124.35	45.31	90.67	-1,775.11	254.99	5,088.30	5,019.55	68.75	74.009					
13,900.00	8,067.96	8,359.31	8,055.43	126.06	45.31	90.68	-1,775.11	254.99	5,187.73	5,118.89	68.84	75.358					

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> Sec 33-T1N-R68W - GRAEBER 31-33D - Wellbore #1 - Wellbore #1												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 16-MWD												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,000.00	8,067.96	8,359.36	8,055.48	127.78	45.31	90.68	-1,775.11	254.99	5,287.18	5,218.25	68.93	76.704	
14,100.00	8,067.96	8,359.41	8,055.53	129.50	45.31	90.69	-1,775.11	254.99	5,386.65	5,317.64	69.02	78.047	
14,200.00	8,067.96	8,359.46	8,055.58	131.21	45.31	90.69	-1,775.11	254.99	5,486.14	5,417.04	69.11	79.387	
14,300.00	8,067.96	8,359.51	8,055.63	132.93	45.31	90.70	-1,775.11	254.99	5,585.65	5,516.46	69.19	80.724	
14,400.00	8,067.96	8,359.56	8,055.68	134.65	45.31	90.71	-1,775.11	254.99	5,685.18	5,615.90	69.28	82.058	
14,500.00	8,067.96	8,359.61	8,055.73	136.38	45.31	90.71	-1,775.11	254.99	5,784.72	5,715.35	69.37	83.389	
14,600.00	8,067.96	8,359.66	8,055.78	138.10	45.31	90.72	-1,775.11	254.99	5,884.28	5,814.82	69.46	84.716	
14,700.00	8,067.96	8,359.71	8,055.83	139.82	45.31	90.72	-1,775.11	255.00	5,983.85	5,914.30	69.55	86.041	
14,800.00	8,067.96	8,359.76	8,055.88	141.55	45.31	90.73	-1,775.11	255.00	6,083.44	6,013.80	69.64	87.361	
14,900.00	8,067.96	8,359.81	8,055.92	143.28	45.31	90.73	-1,775.11	255.00	6,183.04	6,113.31	69.72	88.679	
15,000.00	8,067.96	8,359.85	8,055.97	145.00	45.31	90.74	-1,775.11	255.00	6,282.65	6,212.84	69.81	89.993	
15,100.00	8,067.96	8,359.90	8,056.02	146.73	45.31	90.74	-1,775.11	255.00	6,382.27	6,312.37	69.90	91.304	
15,200.00	8,067.96	8,359.95	8,056.07	148.46	45.31	90.75	-1,775.11	255.00	6,481.91	6,411.92	69.99	92.612	
15,300.00	8,067.96	8,360.00	8,056.11	150.19	45.31	90.75	-1,775.11	255.00	6,581.56	6,511.48	70.08	93.916	
15,400.00	8,067.96	8,360.04	8,056.16	151.93	45.31	90.76	-1,775.11	255.00	6,681.22	6,611.05	70.17	95.217	
15,500.00	8,067.96	8,360.09	8,056.21	153.66	45.31	90.76	-1,775.11	255.00	6,780.88	6,710.63	70.26	96.514	
15,600.00	8,067.96	8,360.14	8,056.26	155.39	45.31	90.77	-1,775.11	255.00	6,880.56	6,810.22	70.35	97.808	
15,700.00	8,067.97	8,360.18	8,056.30	157.13	45.31	90.77	-1,775.11	255.00	6,980.25	6,909.81	70.44	99.099	
15,800.00	8,067.97	8,360.23	8,056.35	158.86	45.31	90.78	-1,775.11	255.00	7,079.95	7,009.42	70.53	100.386	
15,900.00	8,067.97	8,360.28	8,056.39	160.60	45.31	90.78	-1,775.11	255.00	7,179.65	7,109.03	70.62	101.669	
16,000.00	8,067.97	8,360.32	8,056.44	162.34	45.31	90.79	-1,775.11	255.00	7,279.36	7,208.65	70.71	102.949	
16,100.00	8,067.97	8,360.37	8,056.48	164.08	45.31	90.79	-1,775.11	255.00	7,379.08	7,308.28	70.80	104.225	
16,200.00	8,067.97	8,360.41	8,056.53	165.81	45.31	90.80	-1,775.11	255.00	7,478.81	7,407.92	70.89	105.497	
16,300.00	8,067.97	8,360.46	8,056.57	167.55	45.31	90.80	-1,775.11	255.00	7,578.54	7,507.56	70.98	106.766	
16,400.00	8,067.97	8,360.50	8,056.62	169.29	45.31	90.81	-1,775.11	255.00	7,678.29	7,607.21	71.07	108.032	
16,500.00	8,067.97	8,360.54	8,056.66	171.04	45.31	90.81	-1,775.11	255.00	7,778.03	7,706.87	71.17	109.293	
16,600.00	8,067.98	8,360.59	8,056.71	172.78	45.31	90.82	-1,775.11	255.00	7,877.79	7,806.53	71.26	110.552	
16,700.00	8,067.98	8,360.63	8,056.75	174.52	45.31	90.82	-1,775.11	255.00	7,977.55	7,906.20	71.35	111.806	
16,800.00	8,067.98	8,360.68	8,056.79	176.26	45.31	90.83	-1,775.11	255.00	8,077.32	8,005.87	71.44	113.056	
16,900.00	8,067.98	8,360.72	8,056.84	178.01	45.31	90.83	-1,775.11	255.00	8,177.09	8,105.55	71.54	114.303	
17,000.00	8,067.98	8,360.76	8,056.88	179.75	45.31	90.84	-1,775.11	255.00	8,276.87	8,205.23	71.63	115.547	
17,100.00	8,067.98	8,360.80	8,056.92	181.49	45.31	90.84	-1,775.11	255.00	8,376.65	8,304.92	71.73	116.786	
17,200.00	8,067.98	8,360.85	8,056.97	183.24	45.31	90.85	-1,775.11	255.00	8,476.44	8,404.62	71.82	118.022	
17,300.00	8,067.99	8,360.89	8,057.01	184.99	45.31	90.85	-1,775.11	255.00	8,576.23	8,504.32	71.92	119.254	
17,400.00	8,067.99	8,360.93	8,057.05	186.73	45.31	90.86	-1,775.11	255.00	8,676.03	8,604.02	72.01	120.482	
17,500.00	8,067.99	8,360.97	8,057.09	188.48	45.31	90.86	-1,775.11	255.00	8,775.83	8,703.73	72.11	121.706	
17,600.00	8,067.99	8,361.02	8,057.13	190.23	45.31	90.87	-1,775.11	255.00	8,875.64	8,803.44	72.20	122.927	
17,700.00	8,067.99	8,361.06	8,057.17	191.97	45.31	90.87	-1,775.11	255.00	8,975.45	8,903.15	72.30	124.144	
17,800.00	8,067.99	8,361.10	8,057.22	193.72	45.31	90.88	-1,775.11	255.00	9,075.27	9,002.87	72.40	125.357	
17,900.00	8,068.00	8,361.14	8,057.26	195.47	45.31	90.88	-1,775.11	255.00	9,175.09	9,102.59	72.49	126.566	
18,000.00	8,068.00	8,361.18	8,057.30	197.22	45.31	90.89	-1,775.11	255.00	9,274.91	9,202.32	72.59	127.771	
18,100.00	8,068.00	8,361.22	8,057.34	198.97	45.31	90.89	-1,775.11	255.00	9,374.74	9,302.05	72.69	128.973	
18,184.63	8,068.00	8,361.26	8,057.37	200.45	45.31	90.89	-1,775.11	255.00	9,459.23	9,386.46	72.77	129.987	
18,185.16	8,068.00	8,361.26	8,057.37	200.47	45.31	90.89	-1,775.11	255.00	9,459.75	9,382.78	76.97	122.899	

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1200-MVWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	20.00	-20.00	0.00	0.04	153.69	-3,285.43	1,624.18	3,664.97					
100.00	100.00	80.00	80.00	0.13	0.14	153.69	-3,285.43	1,624.18	3,664.97	3,664.69	0.28	N/A		
200.00	200.00	180.00	180.00	0.49	0.32	153.69	-3,285.43	1,624.18	3,664.97	3,664.16	0.81	4,517.842		
300.00	300.00	280.00	280.00	0.85	0.50	153.69	-3,285.43	1,624.18	3,664.97	3,663.62	1.35	2,721.771		
400.00	400.00	380.00	380.00	1.21	0.67	153.69	-3,285.43	1,624.18	3,664.97	3,663.09	1.88	1,947.529		
500.00	500.00	480.00	480.00	1.57	0.85	153.69	-3,285.43	1,624.18	3,664.97	3,662.55	2.42	1,516.221		
600.00	600.00	580.00	580.00	1.93	1.03	153.69	-3,285.43	1,624.18	3,664.97	3,662.02	2.95	1,241.314		
700.00	700.00	680.00	680.00	2.29	1.20	153.69	-3,285.43	1,624.18	3,664.97	3,661.48	3.49	1,050.794		
800.00	800.00	780.00	780.00	2.64	1.38	153.69	-3,285.43	1,624.18	3,664.97	3,660.95	4.02	910.976		
900.00	900.00	880.00	880.00	3.00	1.56	153.69	-3,285.43	1,624.18	3,664.97	3,660.41	4.56	803.996		
1,000.00	1,000.00	980.00	980.00	3.36	1.73	153.69	-3,285.43	1,624.18	3,664.97	3,659.88	5.09	719.502		
1,100.00	1,100.00	1,080.00	1,080.00	3.72	1.91	153.69	-3,285.43	1,624.18	3,664.97	3,659.34	5.63	651.078		
1,200.00	1,200.00	1,180.00	1,180.00	4.08	2.09	153.69	-3,285.43	1,624.18	3,664.97	3,658.81	6.16	594.538		
1,300.00	1,299.98	1,279.98	1,279.98	4.42	2.26	12.56	-3,285.43	1,624.18	3,663.27	3,656.58	6.68	548.054		
1,400.00	1,399.84	1,283.82	1,283.81	4.75	2.43	12.58	-3,286.65	1,624.18	3,660.52	3,653.34	7.17	510.249		
1,500.00	1,499.45	1,330.34	1,330.29	5.09	2.59	12.63	-3,288.39	1,624.18	3,655.36	3,647.68	7.67	476.293		
1,600.00	1,598.70	1,376.80	1,376.69	5.44	2.76	12.70	-3,290.88	1,624.18	3,648.25	3,640.07	8.18	446.128		
1,700.00	1,697.47	1,450.00	1,449.68	5.81	3.03	12.82	-3,296.33	1,624.18	3,639.42	3,630.64	8.78	414.467		
1,800.00	1,795.62	1,485.82	1,485.35	6.19	3.18	12.92	-3,299.57	1,624.00	3,628.15	3,618.88	9.27	391.521		
1,846.33	1,840.86	1,525.08	1,524.42	6.38	3.35	13.02	-3,303.41	1,623.37	3,622.09	3,612.50	9.59	377.718		
1,900.00	1,893.17	1,570.38	1,569.44	6.60	3.54	13.10	-3,308.19	1,622.08	3,614.77	3,604.81	9.96	362.821		
2,000.00	1,990.64	1,654.33	1,652.72	7.02	3.91	13.30	-3,318.08	1,618.14	3,601.46	3,590.80	10.66	337.737		
2,100.00	2,088.10	1,737.61	1,735.03	7.46	4.28	13.53	-3,329.20	1,612.21	3,588.61	3,577.24	11.37	315.585		
2,200.00	2,185.57	1,820.07	1,816.20	7.91	4.65	13.80	-3,341.47	1,604.38	3,576.24	3,564.16	12.08	295.950		
2,300.00	2,283.03	1,901.60	1,896.03	8.37	5.02	14.10	-3,354.84	1,594.71	3,564.42	3,551.62	12.80	278.486		
2,400.00	2,380.50	1,982.08	1,974.39	8.84	5.39	14.44	-3,369.23	1,583.30	3,553.17	3,539.65	13.52	262.897		
2,500.00	2,477.97	2,580.86	2,008.73	9.32	8.77	14.37	-3,368.02	1,589.67	3,540.61	3,523.51	17.10	207.031		
2,600.00	2,575.43	2,488.45	2,095.57	9.80	8.14	14.93	-3,390.37	1,567.33	3,531.69	3,514.82	16.87	209.375		
2,700.00	2,672.90	2,396.05	2,182.40	10.28	7.51	15.49	-3,412.72	1,544.98	3,523.15	3,506.51	16.64	211.694		
2,800.00	2,770.36	2,303.64	2,269.24	10.77	6.89	16.06	-3,435.07	1,522.63	3,515.01	3,498.58	16.43	213.975		
2,900.00	2,867.83	2,382.77	2,356.07	11.26	7.42	16.62	-3,457.42	1,500.29	3,507.26	3,489.95	17.31	202.590		
3,000.00	2,965.29	2,475.18	2,442.91	11.76	8.05	17.19	-3,479.77	1,477.94	3,499.92	3,481.63	18.28	191.411		
3,100.00	3,062.76	2,567.58	2,529.74	12.26	8.68	17.76	-3,502.12	1,455.59	3,492.98	3,473.72	19.26	181.362		
3,200.00	3,160.23	2,659.99	2,616.57	12.76	9.31	18.34	-3,524.47	1,433.25	3,486.44	3,466.21	20.24	172.292		
3,300.00	3,257.69	2,752.40	2,703.41	13.27	9.94	18.91	-3,546.82	1,410.90	3,480.31	3,459.10	21.21	164.070		
3,400.00	3,355.16	2,844.81	2,790.24	13.77	10.58	19.49	-3,569.17	1,388.55	3,474.60	3,452.41	22.19	156.590		
3,500.00	3,452.62	2,937.22	2,877.08	14.28	11.22	20.07	-3,591.52	1,366.20	3,469.29	3,446.12	23.17	149.761		
3,600.00	3,550.09	3,029.62	2,963.91	14.79	11.86	20.65	-3,613.87	1,343.86	3,464.39	3,440.25	24.14	143.505		
3,700.00	3,647.55	3,122.03	3,050.75	15.30	12.51	21.23	-3,636.22	1,321.51	3,459.92	3,434.80	25.12	137.758		
3,800.00	3,745.02	3,214.44	3,137.58	15.81	13.15	21.82	-3,658.57	1,299.16	3,455.86	3,429.77	26.09	132.463		
3,900.00	3,842.49	3,306.85	3,224.42	16.32	13.80	22.40	-3,680.92	1,276.82	3,452.21	3,425.15	27.06	127.571		
4,000.00	3,939.95	3,399.25	3,311.25	16.84	14.44	22.98	-3,703.27	1,254.47	3,448.99	3,420.96	28.03	123.040		
4,100.00	4,037.42	3,491.66	3,398.09	17.35	15.09	23.57	-3,725.62	1,232.12	3,446.19	3,417.19	29.00	118.835		
4,200.00	4,134.88	3,584.07	3,484.92	17.87	15.73	24.16	-3,747.97	1,209.78	3,443.81	3,413.84	29.97	114.924		
4,300.00	4,232.35	3,676.48	3,571.76	18.39	16.38	24.74	-3,770.32	1,187.43	3,441.85	3,410.92	30.93	111.279		
4,400.00	4,329.81	3,768.89	3,658.59	18.90	17.03	25.33	-3,792.67	1,165.08	3,440.31	3,408.42	31.89	107.875		
4,500.00	4,427.28	3,861.29	3,745.43	19.42	17.68	25.92	-3,815.02	1,142.74	3,439.20	3,406.35	32.85	104.691		
4,600.00	4,524.75	3,953.70	3,832.26	19.94	18.33	26.51	-3,837.37	1,120.39	3,438.52	3,404.71	33.81	101.708		
4,700.00	4,622.21	4,046.11	3,919.10	20.46	18.98	27.10	-3,859.72	1,098.04	3,438.26	3,403.50	34.76	98.909		
4,711.36	4,633.28	4,056.60	3,928.96	20.52	19.05	27.16	-3,862.26	1,095.50	3,438.26	3,403.39	34.87	98.602		
4,800.00	4,719.68	4,138.52	4,005.93	20.98	19.62	27.69	-3,882.07	1,075.70	3,438.42	3,402.71	35.71	96.279		
4,900.00	4,817.14	4,230.92	4,092.77	21.50	20.27	28.27	-3,904.42	1,053.35	3,439.01	3,402.35	36.66	93.804		

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



# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1200-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		
5,000.00	4,914.61	4,323.33	4,179.60	22.02	20.92	28.86	-3,926.77	1,031.00	3,440.03	3,402.42	37.61	91.472		
5,100.00	5,012.07	4,415.74	4,266.44	22.54	21.57	29.45	-3,949.12	1,008.65	3,441.46	3,402.91	38.55	89.273		
5,200.00	5,109.54	4,508.15	4,353.27	23.06	22.22	30.04	-3,971.47	986.31	3,443.32	3,403.84	39.49	87.196		
5,300.00	5,207.01	4,600.56	4,440.11	23.59	22.88	30.62	-3,993.82	963.96	3,445.61	3,405.18	40.43	85.232		
5,400.00	5,304.47	4,692.96	4,526.94	24.11	23.53	31.21	-4,016.17	941.61	3,448.32	3,406.96	41.36	83.374		
5,500.00	5,401.94	4,785.37	4,613.78	24.63	24.18	31.80	-4,038.52	919.27	3,451.44	3,409.15	42.29	81.614		
5,600.00	5,499.40	4,877.78	4,700.61	25.16	24.83	32.38	-4,060.87	896.92	3,454.99	3,411.77	43.22	79.945		
5,700.00	5,596.87	4,970.19	4,787.45	25.68	25.48	32.96	-4,083.22	874.57	3,458.96	3,414.82	44.14	78.362		
5,800.00	5,694.33	5,062.59	4,874.28	26.20	26.13	33.54	-4,105.57	852.23	3,463.34	3,418.28	45.06	76.858		
5,900.00	5,791.80	5,155.00	4,961.12	26.73	26.78	34.12	-4,127.92	829.88	3,468.14	3,422.16	45.98	75.429		
6,000.00	5,889.27	5,247.41	5,047.95	27.25	27.43	34.70	-4,150.27	807.53	3,473.35	3,426.46	46.89	74.070		
6,100.00	5,986.73	5,339.82	5,134.79	27.78	28.08	35.28	-4,172.62	785.19	3,478.98	3,431.18	47.80	72.776		
6,200.00	6,084.20	5,432.23	5,221.62	28.30	28.74	35.86	-4,194.97	762.84	3,485.01	3,436.30	48.71	71.544		
6,300.00	6,181.66	5,524.63	5,308.46	28.82	29.39	36.43	-4,217.32	740.49	3,491.46	3,441.84	49.62	70.370		
6,400.00	6,279.13	5,617.04	5,395.29	29.35	30.04	37.00	-4,239.67	718.15	3,498.31	3,447.79	50.52	69.250		
6,500.00	6,376.59	5,709.45	5,482.13	29.88	30.69	37.57	-4,262.02	695.80	3,505.56	3,454.15	51.41	68.182		
6,600.00	6,474.06	5,801.86	5,568.96	30.40	31.34	38.14	-4,284.36	673.45	3,513.21	3,460.90	52.31	67.163		
6,700.00	6,571.53	5,894.33	5,656.32	30.93	32.10	38.72	-4,306.71	651.10	3,521.44	3,468.15	53.21	66.144		
6,800.00	6,669.00	5,986.80	5,743.79	31.45	32.88	39.30	-4,329.06	628.75	3,529.67	3,475.40	54.11	65.125		
6,887.36	6,754.14	6,291.15	6,035.10	31.91	33.57	40.92	-4,389.21	568.62	3,529.29	3,473.63	55.65	63.416		
6,900.00	6,766.46	6,313.57	6,056.74	31.98	33.67	41.04	-4,393.33	564.50	3,529.67	3,473.87	55.80	63.254		
7,000.00	6,864.39	6,493.04	6,230.82	32.48	34.48	41.94	-4,424.20	533.63	3,533.05	3,476.09	56.97	62.018		
7,100.00	6,962.96	6,675.98	6,409.57	32.94	35.30	42.74	-4,451.68	506.16	3,536.93	3,478.82	58.11	60.865		
7,200.00	7,062.06	6,861.94	6,592.46	33.36	36.14	43.42	-4,475.47	482.38	3,541.12	3,481.90	59.22	59.794		
7,300.00	7,161.57	7,050.43	6,778.85	33.74	36.99	43.98	-4,495.28	462.57	3,545.47	3,485.17	60.30	58.800		
7,400.00	7,261.36	7,240.93	6,968.06	34.08	37.85	44.41	-4,510.88	446.96	3,549.86	3,488.53	61.33	57.883		
7,500.00	7,361.31	7,432.88	7,159.34	34.39	38.72	44.69	-4,522.10	435.74	3,554.19	3,491.88	62.31	57.038		
7,533.69	7,395.00	7,497.78	7,224.12	34.48	39.01	-174.09	-4,524.87	432.98	3,555.63	3,493.00	62.63	56.771		
7,600.00	7,461.31	7,625.72	7,351.93	34.65	39.59	-174.04	-4,528.80	429.04	3,557.87	3,494.63	63.24	56.260		
7,633.69	7,495.00	7,690.80	7,417.00	34.73	39.88	-174.02	-4,530.03	427.82	3,558.57	3,495.02	63.54	56.001		
7,650.00	7,511.31	7,722.32	7,448.51	34.78	40.02	6.33	-4,530.44	427.41	3,558.57	3,494.87	63.69	55.872		
7,700.00	7,561.16	7,818.68	7,544.86	34.94	40.46	6.38	-4,530.92	426.93	3,555.26	3,491.11	64.15	55.424		
7,750.00	7,610.51	7,913.79	7,639.97	35.14	40.89	6.49	-4,530.27	427.58	3,547.01	3,482.41	64.60	54.907		
7,800.00	7,658.98	8,006.61	7,732.75	35.37	41.30	6.67	-4,528.56	429.29	3,533.90	3,468.86	65.04	54.330		
7,850.00	7,706.21	8,096.12	7,822.19	35.64	41.71	6.91	-4,525.91	431.94	3,516.09	3,450.62	65.48	53.701		
7,900.00	7,751.82	8,181.41	7,907.34	35.93	42.09	7.24	-4,522.46	435.39	3,493.78	3,427.89	65.89	53.026		
7,950.00	7,795.49	8,049.30	7,775.49	36.26	40.98	7.61	-4,530.92	426.93	3,474.50	3,408.85	65.65	52.928		
8,000.00	7,836.86	8,090.68	7,816.86	36.62	41.07	8.13	-4,530.92	426.93	3,446.63	3,380.70	65.93	52.274		
8,050.00	7,875.64	8,129.45	7,855.64	37.00	41.16	8.80	-4,530.92	426.93	3,415.30	3,349.09	66.21	51.583		
8,100.00	7,911.52	8,165.33	7,891.52	37.42	41.25	9.66	-4,530.92	426.93	3,380.73	3,314.26	66.47	50.860		
8,150.00	7,944.22	8,198.04	7,924.22	37.86	41.32	10.78	-4,530.92	426.93	3,343.19	3,276.48	66.71	50.112		
8,200.00	7,973.51	8,227.33	7,953.51	38.32	41.39	12.28	-4,530.92	426.93	3,302.97	3,236.03	66.94	49.344		
8,250.00	7,999.16	8,252.98	7,979.16	38.81	41.45	14.32	-4,530.92	426.93	3,260.38	3,193.24	67.14	48.561		
8,300.00	8,020.98	8,274.79	8,000.98	39.31	41.50	17.22	-4,530.92	426.93	3,215.74	3,148.42	67.32	47.768		
8,350.00	8,038.79	8,292.60	8,018.79	39.84	41.54	21.60	-4,530.92	426.93	3,169.39	3,101.91	67.48	46.971		
8,400.00	8,052.46	8,306.27	8,032.46	40.38	41.58	28.72	-4,530.92	426.93	3,121.69	3,054.08	67.61	46.174		
8,450.00	8,061.89	8,315.70	8,041.89	40.93	41.60	41.49	-4,530.92	426.93	3,072.99	3,005.28	67.72	45.381		
8,500.00	8,067.01	8,320.82	8,047.01	41.49	41.61	65.79	-4,530.92	426.93	3,023.69	2,955.89	67.80	44.596		
8,533.77	8,068.00	8,321.82	8,048.00	41.88	41.61	90.01	-4,530.92	426.93	2,990.23	2,922.38	67.85	44.073		
8,600.00	8,068.00	8,321.81	8,048.00	42.64	41.61	90.01	-4,530.92	426.93	2,924.58	2,856.65	67.93	43.053		
8,700.00	8,068.00	8,321.81	8,048.00	43.82	41.61	90.01	-4,530.92	426.93	2,825.52	2,757.46	68.06	41.513		
8,800.00	8,068.00	8,321.81	8,048.00	45.04	41.61	90.01	-4,530.92	426.93	2,726.52	2,658.32	68.21	39.974		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1200-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		
8,900.00	8,067.99	8,321.81	8,047.99	46.30	41.61	90.01	-4,530.92	426.93	2,627.61	2,559.24	68.37	38.434		
9,000.00	8,067.99	8,321.81	8,047.99	47.59	41.61	90.01	-4,530.92	426.93	2,528.77	2,460.23	68.54	36.894		
9,100.00	8,067.99	8,321.81	8,047.99	48.91	41.61	90.01	-4,530.92	426.93	2,430.03	2,361.30	68.74	35.353		
9,200.00	8,067.99	8,321.80	8,047.99	50.26	41.61	90.01	-4,530.92	426.93	2,331.40	2,262.45	68.95	33.813		
9,300.00	8,067.99	8,321.80	8,047.99	51.63	41.61	90.01	-4,530.92	426.93	2,232.89	2,163.71	69.19	32.273		
9,400.00	8,067.99	8,321.80	8,047.99	53.03	41.61	90.00	-4,530.92	426.93	2,134.52	2,065.07	69.45	30.734		
9,500.00	8,067.98	8,321.80	8,047.98	54.44	41.61	90.00	-4,530.92	426.93	2,036.31	1,966.56	69.75	29.195		
9,600.00	8,067.98	8,321.80	8,047.98	55.88	41.61	90.00	-4,530.92	426.93	1,938.29	1,868.20	70.09	27.656		
9,700.00	8,067.98	8,321.80	8,047.98	57.34	41.61	90.00	-4,530.92	426.93	1,840.47	1,770.00	70.47	26.119		
9,800.00	8,067.98	8,321.80	8,047.98	58.81	41.61	90.00	-4,530.92	426.93	1,742.90	1,672.00	70.90	24.583		
9,900.00	8,067.98	8,321.79	8,047.98	60.31	41.61	90.00	-4,530.92	426.93	1,645.63	1,574.23	71.40	23.049		
10,000.00	8,067.98	8,321.79	8,047.98	61.81	41.61	90.00	-4,530.92	426.93	1,548.70	1,476.72	71.97	21.518		
10,100.00	8,067.98	8,321.79	8,047.98	63.33	41.61	90.00	-4,530.92	426.93	1,452.18	1,379.54	72.64	19.991		
10,200.00	8,067.97	8,321.79	8,047.97	64.86	41.61	90.00	-4,530.92	426.93	1,356.18	1,282.75	73.43	18.469		
10,300.00	8,067.97	8,321.79	8,047.97	66.41	41.61	90.00	-4,530.92	426.93	1,260.79	1,186.43	74.37	16.954		
10,400.00	8,067.97	8,321.79	8,047.97	67.96	41.61	90.00	-4,530.92	426.93	1,166.18	1,090.69	75.48	15.449		
10,500.00	8,067.97	8,321.79	8,047.97	69.53	41.61	90.00	-4,530.92	426.93	1,072.54	995.71	76.84	13.959		
10,600.00	8,067.97	8,321.79	8,047.97	71.10	41.61	90.00	-4,530.92	426.93	980.17	901.67	78.49	12.487		
10,700.00	8,067.97	8,321.78	8,047.97	72.69	41.61	90.00	-4,530.92	426.93	889.44	808.90	80.55	11.043		
10,800.00	8,067.97	8,321.78	8,047.97	74.28	41.61	90.00	-4,530.92	426.93	800.93	717.81	83.11	9.637		
10,900.00	8,067.97	8,321.78	8,047.97	75.88	41.61	90.00	-4,530.92	426.93	715.45	629.08	86.36	8.284		
11,000.00	8,067.97	8,321.78	8,047.97	77.49	41.61	90.00	-4,530.92	426.93	634.22	543.72	90.51	7.008		
11,100.00	8,067.97	8,321.78	8,047.97	79.10	41.61	90.00	-4,530.92	426.93	559.12	463.36	95.77	5.838		
11,200.00	8,067.96	8,321.78	8,047.96	80.73	41.61	90.00	-4,530.92	426.93	492.95	390.66	102.28	4.819		
11,300.00	8,067.96	8,321.78	8,047.96	82.35	41.61	90.00	-4,530.92	426.93	439.75	330.01	109.73	4.007		
11,400.00	8,067.96	8,321.78	8,047.96	83.99	41.61	90.00	-4,530.92	426.93	404.67	287.94	116.73	3.467		
11,498.11	8,067.96	8,321.78	8,047.96	85.60	41.61	90.00	-4,530.92	426.93	392.59	271.89	120.70	3.253 CC		
11,500.00	8,067.96	8,321.78	8,047.96	85.63	41.61	90.00	-4,530.92	426.93	392.60	271.86	120.74	3.252 ES, SF		
11,600.00	8,067.96	8,321.78	8,047.96	87.27	41.61	90.00	-4,530.92	426.93	405.60	285.73	119.88	3.384		
11,700.00	8,067.96	8,321.78	8,047.96	88.92	41.61	90.00	-4,530.92	426.93	441.47	326.61	114.86	3.844		
11,800.00	8,067.96	8,321.78	8,047.96	90.58	41.61	90.00	-4,530.92	426.93	495.25	387.26	107.98	4.586		
11,900.00	8,067.96	8,321.78	8,047.96	92.23	41.61	90.00	-4,530.92	426.93	561.83	460.70	101.12	5.556		
12,000.00	8,067.96	8,321.77	8,047.96	93.90	41.61	90.00	-4,530.92	426.93	637.20	542.08	95.13	6.698		
12,100.00	8,067.96	8,321.77	8,047.96	95.56	41.61	90.00	-4,530.92	426.93	718.62	628.42	90.19	7.968		
12,200.00	8,067.96	8,321.77	8,047.96	97.23	41.61	90.00	-4,530.92	426.93	804.23	718.00	86.23	9.326		
12,300.00	8,067.96	8,321.77	8,047.96	98.91	41.61	90.00	-4,530.92	426.93	892.84	809.76	83.08	10.746		
12,400.00	8,067.96	8,321.77	8,047.96	100.59	41.61	90.00	-4,530.92	426.93	983.64	903.06	80.58	12.207		
12,500.00	8,067.96	8,321.77	8,047.96	102.27	41.61	90.00	-4,530.92	426.93	1,076.07	997.48	78.59	13.693		
12,600.00	8,067.96	8,321.77	8,047.96	103.95	41.61	90.00	-4,530.92	426.93	1,169.75	1,092.76	76.99	15.194		
12,700.00	8,067.96	8,321.77	8,047.96	105.64	41.61	90.00	-4,530.92	426.93	1,264.39	1,188.70	75.69	16.704		
12,800.00	8,067.96	8,321.77	8,047.96	107.33	41.61	90.00	-4,530.92	426.93	1,359.80	1,285.16	74.64	18.217		
12,900.00	8,067.96	8,321.77	8,047.96	109.02	41.61	90.00	-4,530.92	426.93	1,455.83	1,382.05	73.79	19.731		
13,000.00	8,067.96	8,321.77	8,047.96	110.71	41.61	90.00	-4,530.92	426.93	1,552.36	1,479.28	73.08	21.242		
13,100.00	8,067.96	8,321.77	8,047.96	112.41	41.61	90.00	-4,530.92	426.93	1,649.30	1,576.81	72.50	22.750		
13,200.00	8,067.96	8,321.77	8,047.96	114.11	41.61	90.00	-4,530.92	426.93	1,746.59	1,674.58	72.01	24.255		
13,300.00	8,067.96	8,321.77	8,047.96	115.81	41.61	90.00	-4,530.92	426.93	1,844.17	1,772.56	71.61	25.754		
13,400.00	8,067.96	8,321.77	8,047.96	117.52	41.61	90.00	-4,530.92	426.93	1,942.00	1,870.73	71.27	27.249		
13,500.00	8,067.96	8,321.77	8,047.96	119.22	41.61	90.00	-4,530.92	426.93	2,040.03	1,969.04	70.99	28.738		
13,600.00	8,067.96	8,321.77	8,047.96	120.93	41.61	90.00	-4,530.92	426.93	2,138.25	2,067.50	70.75	30.223		
13,700.00	8,067.96	8,321.77	8,047.96	122.64	41.61	90.00	-4,530.92	426.93	2,236.62	2,166.07	70.55	31.702		
13,800.00	8,067.96	8,321.77	8,047.96	124.35	41.61	90.00	-4,530.92	426.93	2,335.14	2,264.75	70.38	33.177		
13,900.00	8,067.96	8,321.77	8,047.96	126.06	41.61	90.00	-4,530.92	426.93	2,433.77	2,363.53	70.25	34.646		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design      Sec 33-T1N-R68W - GRAEBER 33-33DX - Wellbore #1 - Wellbore #1													Offset Site Error:	0.00 usft
Survey Program:      1200-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
14,000.00	8,067.96	8,321.77	8,047.96	127.78	41.61	90.00	-4,530.92	426.93	2,532.51	2,462.38	70.13	36.111		
14,100.00	8,067.96	8,321.77	8,047.96	129.50	41.61	90.00	-4,530.92	426.93	2,631.35	2,561.31	70.04	37.570		
14,200.00	8,067.96	8,321.77	8,047.96	131.21	41.61	90.00	-4,530.92	426.93	2,730.27	2,660.31	69.96	39.025		
14,300.00	8,067.96	8,321.77	8,047.96	132.93	41.61	90.00	-4,530.92	426.93	2,829.27	2,759.37	69.90	40.476		
14,400.00	8,067.96	8,321.77	8,047.96	134.65	41.61	90.00	-4,530.92	426.93	2,928.34	2,858.48	69.85	41.922		
14,500.00	8,067.96	8,321.77	8,047.96	136.38	41.61	90.00	-4,530.92	426.93	3,027.46	2,957.65	69.82	43.363		
14,600.00	8,067.96	8,321.77	8,047.96	138.10	41.61	90.00	-4,530.92	426.93	3,126.65	3,056.85	69.79	44.800		
14,700.00	8,067.96	8,321.77	8,047.96	139.82	41.61	90.00	-4,530.92	426.93	3,225.88	3,156.10	69.77	46.233		
14,800.00	8,067.96	8,321.77	8,047.96	141.55	41.61	90.00	-4,530.92	426.93	3,325.16	3,255.39	69.77	47.661		
14,900.00	8,067.96	8,321.78	8,047.96	143.28	41.61	90.00	-4,530.92	426.93	3,424.48	3,354.71	69.77	49.085		
15,000.00	8,067.96	8,321.78	8,047.96	145.00	41.61	90.00	-4,530.92	426.93	3,523.84	3,454.07	69.77	50.505		
15,100.00	8,067.96	8,321.78	8,047.96	146.73	41.61	90.00	-4,530.92	426.93	3,623.23	3,553.45	69.78	51.920		
15,200.00	8,067.96	8,321.78	8,047.96	148.46	41.61	90.00	-4,530.92	426.93	3,722.66	3,652.86	69.80	53.332		
15,300.00	8,067.96	8,321.78	8,047.96	150.19	41.61	90.00	-4,530.92	426.93	3,822.12	3,752.29	69.82	54.739		
15,400.00	8,067.96	8,321.78	8,047.96	151.93	41.61	90.00	-4,530.92	426.93	3,921.60	3,851.75	69.85	56.143		
15,500.00	8,067.96	8,321.78	8,047.96	153.66	41.61	90.00	-4,530.92	426.93	4,021.11	3,951.23	69.88	57.542		
15,600.00	8,067.96	8,321.78	8,047.96	155.39	41.61	90.01	-4,530.92	426.93	4,120.65	4,050.73	69.92	58.937		
15,700.00	8,067.97	8,321.78	8,047.97	157.13	41.61	90.01	-4,530.92	426.93	4,220.20	4,150.25	69.95	60.328		
15,800.00	8,067.97	8,321.78	8,047.97	158.86	41.61	90.01	-4,530.92	426.93	4,319.78	4,249.78	70.00	61.715		
15,900.00	8,067.97	8,321.78	8,047.97	160.60	41.61	90.01	-4,530.92	426.93	4,419.37	4,349.33	70.04	63.098		
16,000.00	8,067.97	8,321.78	8,047.97	162.34	41.61	90.01	-4,530.92	426.93	4,518.99	4,448.90	70.09	64.477		
16,100.00	8,067.97	8,321.79	8,047.97	164.08	41.61	90.01	-4,530.92	426.93	4,618.62	4,548.48	70.14	65.852		
16,200.00	8,067.97	8,321.79	8,047.97	165.81	41.61	90.01	-4,530.92	426.93	4,718.26	4,648.08	70.19	67.223		
16,300.00	8,067.97	8,321.79	8,047.97	167.55	41.61	90.01	-4,530.92	426.93	4,817.92	4,747.68	70.24	68.590		
16,400.00	8,067.97	8,321.79	8,047.97	169.29	41.61	90.01	-4,530.92	426.93	4,917.60	4,847.30	70.30	69.953		
16,500.00	8,067.97	8,321.79	8,047.97	171.04	41.61	90.01	-4,530.92	426.93	5,017.29	4,946.93	70.36	71.312		
16,600.00	8,067.98	8,321.79	8,047.98	172.78	41.61	90.01	-4,530.92	426.93	5,116.99	5,046.57	70.42	72.667		
16,700.00	8,067.98	8,321.79	8,047.98	174.52	41.61	90.01	-4,530.92	426.93	5,216.70	5,146.22	70.48	74.018		
16,800.00	8,067.98	8,321.79	8,047.98	176.26	41.61	90.01	-4,530.92	426.93	5,316.42	5,245.88	70.54	75.365		
16,900.00	8,067.98	8,321.80	8,047.98	178.01	41.61	90.01	-4,530.92	426.93	5,416.15	5,345.54	70.61	76.708		
17,000.00	8,067.98	8,321.80	8,047.98	179.75	41.61	90.01	-4,530.92	426.93	5,515.89	5,445.22	70.67	78.047		
17,100.00	8,067.98	8,321.80	8,047.98	181.49	41.61	90.01	-4,530.92	426.93	5,615.64	5,544.90	70.74	79.382		
17,200.00	8,067.98	8,321.80	8,047.98	183.24	41.61	90.01	-4,530.92	426.93	5,715.40	5,644.59	70.81	80.713		
17,300.00	8,067.99	8,321.80	8,047.99	184.99	41.61	90.01	-4,530.92	426.93	5,815.17	5,744.29	70.88	82.040		
17,400.00	8,067.99	8,321.80	8,047.99	186.73	41.61	90.01	-4,530.92	426.93	5,914.95	5,843.99	70.95	83.363		
17,500.00	8,067.99	8,321.80	8,047.99	188.48	41.61	90.01	-4,530.92	426.93	6,014.73	5,943.70	71.03	84.682		
17,600.00	8,067.99	8,321.81	8,047.99	190.23	41.61	90.01	-4,530.92	426.93	6,114.52	6,043.42	71.10	85.996		
17,700.00	8,067.99	8,321.81	8,047.99	191.97	41.61	90.02	-4,530.92	426.93	6,214.32	6,143.14	71.18	87.307		
17,800.00	8,067.99	8,321.81	8,047.99	193.72	41.61	90.02	-4,530.92	426.93	6,314.12	6,242.87	71.25	88.614		
17,900.00	8,068.00	8,321.81	8,048.00	195.47	41.61	90.02	-4,530.92	426.93	6,413.93	6,342.60	71.33	89.917		
18,000.00	8,068.00	8,321.81	8,048.00	197.22	41.61	90.02	-4,530.92	426.93	6,513.75	6,442.34	71.41	91.216		
18,100.00	8,068.00	8,321.81	8,048.00	198.97	41.61	90.02	-4,530.92	426.93	6,613.57	6,542.08	71.49	92.510		
18,184.63	8,068.00	8,321.82	8,048.00	200.45	41.61	90.02	-4,530.92	426.93	6,698.05	6,626.50	71.56	93.603		
18,185.16	8,068.00	8,321.82	8,048.00	200.47	41.61	90.02	-4,530.92	426.93	6,698.58	6,622.82	75.76	88.422		

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
0.00	0.00	0.00	0.00	0.00	0.00	146.67	-4,922.68	3,237.87	5,892.39					
100.00	100.00	40.00	40.00	0.13	0.47	146.67	-4,922.68	3,237.87	5,892.08	5,891.47	0.61	9,684.702		
200.00	200.00	140.00	140.00	0.49	2.10	146.67	-4,922.68	3,237.87	5,892.08	5,889.48	2.59	2,270.683		
300.00	300.00	240.00	240.00	0.85	4.31	146.67	-4,922.68	3,237.87	5,892.08	5,886.92	5.16	1,141.808		
400.00	400.00	340.00	340.00	1.21	6.37	146.67	-4,922.68	3,237.87	5,892.08	5,884.50	7.58	777.031		
500.00	500.00	440.00	440.00	1.57	8.41	146.67	-4,922.68	3,237.87	5,892.08	5,882.10	9.98	590.492		
600.00	600.00	540.00	540.00	1.93	10.44	146.67	-4,922.68	3,237.87	5,892.08	5,879.72	12.36	476.578		
700.00	700.00	640.00	640.00	2.29	12.46	146.67	-4,922.68	3,237.87	5,892.08	5,877.34	14.74	399.649		
800.00	800.00	740.00	740.00	2.64	14.48	146.67	-4,922.68	3,237.87	5,892.08	5,874.96	17.12	344.162		
900.00	900.00	840.00	840.00	3.00	16.49	146.67	-4,922.68	3,237.87	5,892.08	5,872.58	19.50	302.234		
1,000.00	1,000.00	940.00	940.00	3.36	18.51	146.67	-4,922.68	3,237.87	5,892.08	5,870.21	21.87	269.427		
1,100.00	1,100.00	1,040.00	1,040.00	3.72	20.52	146.67	-4,922.68	3,237.87	5,892.08	5,867.84	24.24	243.054		
1,200.00	1,200.00	1,140.00	1,140.00	4.08	22.54	146.67	-4,922.68	3,237.87	5,892.08	5,865.47	26.61	221.389		
1,300.00	1,299.98	1,239.98	1,239.98	4.42	24.55	5.52	-4,922.68	3,237.87	5,890.34	5,861.37	28.97	203.326		
1,400.00	1,399.84	1,339.84	1,339.84	4.75	26.56	5.54	-4,922.68	3,237.87	5,885.13	5,853.82	31.31	187.953		
1,500.00	1,499.45	1,439.45	1,439.45	5.09	28.56	5.56	-4,922.68	3,237.87	5,876.46	5,842.81	33.65	174.622		
1,600.00	1,598.70	1,538.70	1,538.70	5.44	30.56	5.60	-4,922.68	3,237.87	5,864.33	5,828.34	35.99	162.948		
1,700.00	1,697.47	1,637.47	1,637.47	5.81	32.55	5.64	-4,922.68	3,237.87	5,848.76	5,810.44	38.32	152.636		
1,800.00	1,795.62	1,735.62	1,735.62	6.19	34.52	5.70	-4,922.68	3,237.87	5,829.77	5,789.13	40.64	143.456		
1,846.33	1,840.86	1,780.86	1,780.86	6.38	35.43	5.73	-4,922.68	3,237.87	5,819.82	5,778.11	41.71	139.529		
1,900.00	1,893.17	1,833.17	1,833.17	6.60	36.49	5.74	-4,922.68	3,237.87	5,807.87	5,764.92	42.95	135.231		
2,000.00	1,990.64	1,930.64	1,930.64	7.02	38.45	5.76	-4,922.68	3,237.87	5,785.61	5,740.35	45.25	127.847		
2,100.00	2,088.10	2,028.10	2,028.10	7.46	40.41	5.79	-4,922.68	3,237.87	5,763.34	5,715.78	47.56	121.169		
2,200.00	2,185.57	2,125.57	2,125.57	7.91	42.37	5.81	-4,922.68	3,237.87	5,741.08	5,691.20	49.88	115.103		
2,300.00	2,283.03	2,223.03	2,223.03	8.37	44.33	5.83	-4,922.68	3,237.87	5,718.82	5,666.63	52.19	109.568		
2,400.00	2,380.50	2,320.50	2,320.50	8.84	46.29	5.85	-4,922.68	3,237.87	5,696.56	5,642.05	54.51	104.498		
2,500.00	2,477.97	2,417.96	2,417.96	9.32	48.25	5.88	-4,922.68	3,237.87	5,674.30	5,617.47	56.83	99.839		
2,600.00	2,575.43	2,515.43	2,515.43	9.80	50.21	5.90	-4,922.68	3,237.87	5,652.04	5,592.89	59.16	95.542		
2,700.00	2,672.90	2,612.90	2,612.90	10.28	52.17	5.92	-4,922.68	3,237.87	5,629.79	5,568.30	61.48	91.567		
2,800.00	2,770.36	2,710.36	2,710.36	10.77	54.13	5.95	-4,922.68	3,237.87	5,607.53	5,543.72	63.81	87.880		
2,900.00	2,867.83	2,807.83	2,807.83	11.26	56.09	5.97	-4,922.68	3,237.87	5,585.28	5,519.14	66.14	84.450		
3,000.00	2,965.29	2,905.29	2,905.29	11.76	58.05	6.00	-4,922.68	3,237.87	5,563.02	5,494.55	68.47	81.252		
3,100.00	3,062.76	3,002.76	3,002.76	12.26	60.01	6.02	-4,922.68	3,237.87	5,540.77	5,469.97	70.80	78.264		
3,200.00	3,160.23	3,100.23	3,100.23	12.76	61.97	6.04	-4,922.68	3,237.87	5,518.51	5,445.39	73.13	75.464		
3,300.00	3,257.69	3,202.31	3,197.69	13.27	64.03	6.07	-4,922.68	3,237.87	5,496.26	5,420.71	75.55	72.748		
3,400.00	3,355.16	3,304.84	3,295.16	13.77	66.09	6.09	-4,922.68	3,237.87	5,474.01	5,396.02	77.99	70.191		
3,500.00	3,452.62	3,407.38	3,392.62	14.28	68.15	6.12	-4,922.68	3,237.87	5,451.76	5,371.34	80.42	67.788		
3,600.00	3,550.09	3,509.91	3,490.09	14.79	70.21	6.14	-4,922.68	3,237.87	5,429.51	5,346.65	82.86	65.527		
3,700.00	3,647.55	3,587.55	3,587.55	15.30	71.78	6.17	-4,922.68	3,237.87	5,407.27	5,322.47	84.80	63.768		
3,800.00	3,745.02	3,685.02	3,685.02	15.81	73.74	6.19	-4,922.68	3,237.87	5,385.02	5,297.89	87.13	61.803		
3,900.00	3,842.49	3,782.49	3,782.49	16.32	75.70	6.22	-4,922.68	3,237.87	5,362.77	5,273.30	89.47	59.941		
4,000.00	3,939.95	3,879.95	3,879.95	16.84	77.66	6.25	-4,922.68	3,237.87	5,340.53	5,248.72	91.81	58.173		
4,100.00	4,037.42	3,977.42	3,977.42	17.35	79.62	6.27	-4,922.68	3,237.87	5,318.28	5,224.14	94.14	56.492		
4,200.00	4,134.88	4,074.88	4,074.88	17.87	81.58	6.30	-4,922.68	3,237.87	5,296.04	5,199.56	96.48	54.893		
4,300.00	4,232.35	4,172.35	4,172.35	18.39	83.54	6.33	-4,922.68	3,237.87	5,273.80	5,174.98	98.82	53.369		
4,400.00	4,329.81	4,269.81	4,269.81	18.90	85.50	6.35	-4,922.68	3,237.87	5,251.56	5,150.40	101.16	51.915		
4,500.00	4,427.28	4,367.28	4,367.28	19.42	87.46	6.38	-4,922.68	3,237.87	5,229.32	5,125.82	103.50	50.527		
4,600.00	4,524.75	4,464.75	4,464.75	19.94	89.42	6.41	-4,922.68	3,237.87	5,207.08	5,101.25	105.84	49.200		
4,700.00	4,622.21	4,562.21	4,562.21	20.46	91.38	6.43	-4,922.68	3,237.87	5,184.85	5,076.67	108.18	47.930		
4,800.00	4,719.68	4,659.68	4,659.68	20.98	93.34	6.46	-4,922.68	3,237.87	5,162.61	5,052.09	110.52	46.714		
4,900.00	4,817.14	4,757.14	4,757.14	21.50	95.30	6.49	-4,922.68	3,237.87	5,140.37	5,027.52	112.86	45.548		
5,000.00	4,914.61	4,854.61	4,854.61	22.02	97.26	6.52	-4,922.68	3,237.87	5,118.14	5,002.94	115.20	44.430		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)						
5,100.00	5,012.07	4,952.07	4,952.07	22.54	99.22	6.55	-4,922.68	3,237.87	5,095.91	4,978.37	117.54	43.356		
5,200.00	5,109.54	5,049.54	5,049.54	23.06	101.18	6.58	-4,922.68	3,237.87	5,073.68	4,953.80	119.88	42.323		
5,300.00	5,207.01	5,147.01	5,147.01	23.59	103.14	6.60	-4,922.68	3,237.87	5,051.45	4,929.23	122.22	41.331		
5,400.00	5,304.47	5,244.47	5,244.47	24.11	105.10	6.63	-4,922.68	3,237.87	5,029.22	4,904.66	124.56	40.375		
5,500.00	5,401.94	5,341.94	5,341.94	24.63	107.06	6.66	-4,922.68	3,237.87	5,006.99	4,880.09	126.90	39.455		
5,600.00	5,499.40	5,439.40	5,439.40	25.16	109.02	6.69	-4,922.68	3,237.87	4,984.77	4,855.52	129.25	38.568		
5,700.00	5,596.87	5,536.87	5,536.87	25.68	110.98	6.72	-4,922.68	3,237.87	4,962.54	4,830.95	131.59	37.712		
5,800.00	5,694.33	5,634.33	5,634.33	26.20	112.94	6.75	-4,922.68	3,237.87	4,940.32	4,806.39	133.93	36.887		
5,900.00	5,791.80	5,731.80	5,731.80	26.73	114.90	6.78	-4,922.68	3,237.87	4,918.10	4,781.82	136.27	36.090		
6,000.00	5,889.27	5,829.27	5,829.27	27.25	116.86	6.82	-4,922.68	3,237.87	4,895.87	4,757.26	138.62	35.319		
6,100.00	5,986.73	5,926.73	5,926.73	27.78	118.82	6.85	-4,922.68	3,237.87	4,873.65	4,732.69	140.96	34.574		
6,200.00	6,084.20	6,024.20	6,024.20	28.30	120.78	6.88	-4,922.68	3,237.87	4,851.44	4,708.13	143.30	33.854		
6,300.00	6,181.66	6,121.66	6,121.66	28.82	122.74	6.91	-4,922.68	3,237.87	4,829.22	4,683.57	145.65	33.157		
6,400.00	6,279.13	6,219.13	6,219.13	29.35	124.70	6.94	-4,922.68	3,237.87	4,807.00	4,659.01	147.99	32.481		
6,500.00	6,376.59	6,316.59	6,316.59	29.88	126.66	6.97	-4,922.68	3,237.87	4,784.79	4,634.45	150.34	31.827		
6,600.00	6,474.06	6,414.06	6,414.06	30.40	128.62	7.01	-4,922.68	3,237.87	4,762.58	4,609.90	152.68	31.193		
6,700.00	6,571.53	6,511.53	6,511.53	30.93	130.58	7.04	-4,922.68	3,237.87	4,740.37	4,585.34	155.03	30.578		
6,800.00	6,668.99	6,608.99	6,608.99	31.45	132.54	7.07	-4,922.68	3,237.87	4,718.16	4,560.79	157.37	29.981		
6,887.36	6,754.14	6,705.86	6,694.14	31.91	134.49	7.10	-4,922.68	3,237.87	4,698.76	4,539.10	159.66	29.431		
6,900.00	6,766.46	6,706.46	6,706.46	31.98	134.50	7.10	-4,922.68	3,237.87	4,695.98	4,536.26	159.72	29.402		
7,000.00	6,864.39	6,804.39	6,804.39	32.48	136.47	7.08	-4,922.68	3,237.87	4,675.89	4,513.83	162.07	28.852		
7,100.00	6,962.96	6,902.96	6,902.96	32.94	138.45	7.06	-4,922.68	3,237.87	4,659.21	4,494.79	164.42	28.337		
7,200.00	7,062.06	7,002.06	7,002.06	33.36	140.44	7.05	-4,922.68	3,237.87	4,645.96	4,479.18	166.78	27.857		
7,300.00	7,161.57	7,101.57	7,101.57	33.74	142.44	7.04	-4,922.68	3,237.87	4,636.15	4,467.01	169.14	27.410		
7,400.00	7,261.36	7,201.36	7,201.36	34.08	144.45	7.04	-4,922.68	3,237.87	4,629.79	4,458.29	171.50	26.997		
7,500.00	7,361.31	7,301.31	7,301.31	34.39	146.46	7.03	-4,922.68	3,237.87	4,626.89	4,453.05	173.84	26.615		
7,533.69	7,395.00	7,335.00	7,335.00	34.48	147.14	148.18	-4,922.68	3,237.87	4,626.69	4,452.06	174.63	26.494		
7,600.00	7,461.31	7,401.31	7,401.31	34.65	148.47	148.18	-4,922.68	3,237.87	4,626.69	4,450.52	176.17	26.263		
7,633.69	7,495.00	7,435.00	7,435.00	34.73	149.15	148.18	-4,922.68	3,237.87	4,626.69	4,449.74	176.95	26.146		
7,650.00	7,511.31	7,451.31	7,451.31	34.78	149.48	-31.49	-4,922.68	3,237.87	4,626.50	4,449.16	177.33	26.089		
7,700.00	7,561.16	7,501.16	7,501.16	34.94	150.48	-31.68	-4,922.68	3,237.87	4,623.43	4,444.92	178.51	25.901		
7,750.00	7,610.51	7,550.51	7,550.51	35.14	151.47	-32.09	-4,922.68	3,237.87	4,616.67	4,436.99	179.67	25.695		
7,800.00	7,658.98	7,601.02	7,598.98	35.37	152.49	-32.74	-4,922.68	3,237.87	4,606.27	4,425.41	180.86	25.468		
7,850.00	7,706.21	7,646.21	7,646.21	35.64	153.40	-33.64	-4,922.68	3,237.87	4,592.33	4,410.38	181.95	25.240		
7,900.00	7,751.82	7,708.18	7,691.82	35.93	154.64	-34.83	-4,922.68	3,237.87	4,574.97	4,391.60	183.37	24.949		
7,950.00	7,795.49	7,735.49	7,735.49	36.26	155.19	-36.31	-4,922.68	3,237.87	4,554.33	4,370.23	184.09	24.739		
8,000.00	7,836.86	7,776.86	7,776.86	36.62	156.02	-38.15	-4,922.68	3,237.87	4,530.58	4,345.48	185.09	24.477		
8,050.00	7,875.64	7,815.64	7,815.64	37.00	156.80	-40.38	-4,922.68	3,237.87	4,503.93	4,317.89	186.04	24.210		
8,100.00	7,911.52	7,851.52	7,851.52	37.42	157.53	-43.05	-4,922.68	3,237.87	4,474.59	4,287.68	186.92	23.939		
8,150.00	7,944.22	7,884.22	7,884.22	37.86	158.18	-46.23	-4,922.68	3,237.87	4,442.83	4,255.10	187.72	23.667		
8,200.00	7,973.51	7,913.51	7,913.51	38.32	158.77	-49.98	-4,922.68	3,237.87	4,408.89	4,220.44	188.46	23.395		
8,250.00	7,999.16	7,939.16	7,939.16	38.81	159.29	-54.36	-4,922.68	3,237.87	4,373.07	4,183.96	189.11	23.124		
8,300.00	8,020.98	7,960.98	7,960.98	39.31	159.73	-59.41	-4,922.68	3,237.87	4,335.65	4,145.97	189.68	22.858		
8,350.00	8,038.79	7,978.79	7,978.79	39.84	160.09	-65.13	-4,922.68	3,237.87	4,296.95	4,106.79	190.17	22.596		
8,400.00	8,052.46	8,007.54	7,992.46	40.38	160.66	-71.45	-4,922.68	3,237.87	4,257.28	4,066.41	190.87	22.305		
8,450.00	8,061.89	8,001.89	8,001.89	40.93	160.55	-78.23	-4,922.68	3,237.87	4,216.96	4,026.08	190.87	22.093		
8,500.00	8,067.01	8,007.01	8,007.01	41.49	160.65	-85.25	-4,922.68	3,237.87	4,176.30	3,985.20	191.10	21.854		
8,533.77	8,068.00	8,008.00	8,008.00	41.88	160.67	-90.00	-4,922.68	3,237.87	4,148.82	3,957.62	191.20	21.699		
8,600.00	8,068.00	8,008.00	8,008.00	42.64	160.67	-90.00	-4,922.68	3,237.87	4,095.16	3,903.78	191.38	21.398		
8,700.00	8,068.00	8,008.00	8,008.00	43.82	160.67	-90.00	-4,922.68	3,237.87	4,014.85	3,823.14	191.71	20.942		
8,800.00	8,068.00	8,008.00	8,008.00	45.04	160.67	-90.00	-4,922.68	3,237.87	3,935.44	3,743.31	192.13	20.483		
8,900.00	8,067.99	8,007.99	8,007.99	46.30	160.67	-90.00	-4,922.68	3,237.87	3,856.99	3,664.35	192.65	20.021		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design      Sec 34-T1N-R68W - ABND VERT BICKLER A UNIT 2 - 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		
9,000.00	8,067.99	8,007.99	8,007.99	47.59	160.67	-90.00	-4,922.68	3,237.87	3,779.56	3,586.30	193.26	19.557		
9,100.00	8,067.99	8,007.99	8,007.99	48.91	160.67	-90.00	-4,922.68	3,237.87	3,703.21	3,509.24	193.97	19.092		
9,200.00	8,067.99	8,007.99	8,007.99	50.26	160.67	-90.00	-4,922.68	3,237.87	3,628.01	3,433.22	194.79	18.625		
9,300.00	8,067.99	8,007.99	8,007.99	51.63	160.67	-90.00	-4,922.68	3,237.87	3,554.03	3,358.31	195.73	18.158		
9,400.00	8,067.99	8,007.99	8,007.99	53.03	160.67	-90.00	-4,922.68	3,237.87	3,481.36	3,284.58	196.77	17.692		
9,500.00	8,067.98	8,007.98	8,007.98	54.44	160.67	-90.00	-4,922.68	3,237.87	3,410.06	3,212.12	197.94	17.228		
9,600.00	8,067.98	8,007.98	8,007.98	55.88	160.67	-90.00	-4,922.68	3,237.87	3,340.24	3,141.01	199.23	16.766		
9,700.00	8,067.98	8,007.98	8,007.98	57.34	160.67	-90.00	-4,922.68	3,237.87	3,271.99	3,071.35	200.64	16.308		
9,800.00	8,067.98	8,007.98	8,007.98	58.81	160.67	-90.00	-4,922.68	3,237.87	3,205.40	3,003.23	202.17	15.855		
9,900.00	8,067.98	8,007.98	8,007.98	60.31	160.67	-90.00	-4,922.68	3,237.87	3,140.59	2,936.76	203.83	15.408		
10,000.00	8,067.98	8,007.98	8,007.98	61.81	160.67	-90.00	-4,922.68	3,237.87	3,077.66	2,872.05	205.61	14.969		
10,100.00	8,067.98	8,007.98	8,007.98	63.33	160.67	-90.00	-4,922.68	3,237.87	3,016.73	2,809.23	207.50	14.538		
10,200.00	8,067.97	8,007.97	8,007.97	64.86	160.67	-90.00	-4,922.68	3,237.87	2,957.93	2,748.42	209.51	14.118		
10,300.00	8,067.97	8,007.97	8,007.97	66.41	160.67	-90.00	-4,922.68	3,237.87	2,901.38	2,689.75	211.63	13.709		
10,400.00	8,067.97	8,007.97	8,007.97	67.96	160.67	-90.00	-4,922.68	3,237.87	2,847.23	2,633.37	213.86	13.313		
10,500.00	8,067.97	8,007.97	8,007.97	69.53	160.67	-90.00	-4,922.68	3,237.87	2,795.60	2,579.42	216.19	12.931		
10,600.00	8,067.97	8,007.97	8,007.97	71.10	160.67	-90.00	-4,922.68	3,237.87	2,746.65	2,528.05	218.60	12.565		
10,700.00	8,067.97	8,007.97	8,007.97	72.69	160.67	-90.00	-4,922.68	3,237.87	2,700.51	2,479.41	221.10	12.214		
10,800.00	8,067.97	8,007.97	8,007.97	74.28	160.67	-90.00	-4,922.68	3,237.87	2,657.34	2,433.67	223.67	11.881		
10,900.00	8,067.97	8,007.97	8,007.97	75.88	160.67	-90.00	-4,922.68	3,237.87	2,617.28	2,390.99	226.29	11.566		
11,000.00	8,067.97	8,007.97	8,007.97	77.49	160.67	-90.00	-4,922.68	3,237.87	2,580.47	2,351.51	228.95	11.271		
11,100.00	8,067.97	8,007.97	8,007.97	79.10	160.67	-90.00	-4,922.68	3,237.87	2,547.06	2,315.41	231.65	10.995		
11,200.00	8,067.96	8,007.96	8,007.96	80.73	160.67	-90.00	-4,922.68	3,237.87	2,517.18	2,282.83	234.35	10.741		
11,300.00	8,067.96	8,007.96	8,007.96	82.35	160.67	-90.00	-4,922.68	3,237.87	2,490.95	2,253.92	237.04	10.509		
11,400.00	8,067.96	8,007.96	8,007.96	83.99	160.67	-90.00	-4,922.68	3,237.87	2,468.51	2,228.80	239.70	10.298		
11,500.00	8,067.96	8,007.96	8,007.96	85.63	160.67	-90.00	-4,922.68	3,237.87	2,449.94	2,207.62	242.32	10.110		
11,600.00	8,067.96	8,007.96	8,007.96	87.27	160.67	-90.00	-4,922.68	3,237.87	2,435.34	2,190.47	244.88	9.945		
11,700.00	8,067.96	8,007.96	8,007.96	88.92	160.67	-90.00	-4,922.68	3,237.87	2,424.78	2,177.44	247.35	9.803		
11,800.00	8,067.96	8,007.96	8,007.96	90.58	160.67	-90.00	-4,922.68	3,237.87	2,418.32	2,168.60	249.71	9.684		
11,900.00	8,067.96	8,007.96	8,007.96	92.23	160.67	-90.00	-4,922.68	3,237.87	2,415.97	2,164.01	251.97	9.588		
11,906.61	8,067.96	8,007.96	8,007.96	92.34	160.67	-90.00	-4,922.68	3,237.87	2,415.97	2,163.85	252.11	9.583 CC		
12,000.00	8,067.96	8,007.96	8,007.96	93.90	160.67	-90.00	-4,922.68	3,237.87	2,417.77	2,163.68	254.09	9.516 ES		
12,100.00	8,067.96	8,007.96	8,007.96	95.56	160.67	-90.00	-4,922.68	3,237.87	2,423.69	2,167.63	256.06	9.465		
12,200.00	8,067.96	8,007.96	8,007.96	97.23	160.67	-90.00	-4,922.68	3,237.87	2,433.71	2,175.82	257.89	9.437		
12,300.00	8,067.96	8,007.96	8,007.96	98.91	160.67	-90.00	-4,922.68	3,237.87	2,447.78	2,188.23	259.56	9.431 SF		
12,400.00	8,067.96	8,007.96	8,007.96	100.59	160.67	-90.00	-4,922.68	3,237.87	2,465.83	2,204.77	261.06	9.445		
12,500.00	8,067.96	8,007.96	8,007.96	102.27	160.67	-90.00	-4,922.68	3,237.87	2,487.77	2,225.37	262.40	9.481		
12,600.00	8,067.96	8,007.96	8,007.96	103.95	160.67	-90.00	-4,922.68	3,237.87	2,513.50	2,249.92	263.58	9.536		
12,700.00	8,067.96	8,007.96	8,007.96	105.64	160.67	-90.00	-4,922.68	3,237.87	2,542.90	2,278.30	264.60	9.610		
12,800.00	8,067.96	8,007.96	8,007.96	107.33	160.67	-90.00	-4,922.68	3,237.87	2,575.85	2,310.39	265.47	9.703		
12,900.00	8,067.96	8,007.96	8,007.96	109.02	160.67	-90.00	-4,922.68	3,237.87	2,612.22	2,346.03	266.19	9.813		
13,000.00	8,067.96	8,007.96	8,007.96	110.71	160.67	-90.00	-4,922.68	3,237.87	2,651.86	2,385.09	266.77	9.941		
13,100.00	8,067.96	8,007.96	8,007.96	112.41	160.67	-90.00	-4,922.68	3,237.87	2,694.63	2,427.41	267.22	10.084		
13,200.00	8,067.96	8,007.96	8,007.96	114.11	160.67	-90.00	-4,922.68	3,237.87	2,740.39	2,472.83	267.55	10.242		
13,300.00	8,067.96	8,007.96	8,007.96	115.81	160.67	-90.00	-4,922.68	3,237.87	2,788.98	2,521.20	267.78	10.415		
13,400.00	8,067.96	8,007.96	8,007.96	117.52	160.67	-90.00	-4,922.68	3,237.87	2,840.26	2,572.36	267.90	10.602		
13,500.00	8,067.96	8,007.96	8,007.96	119.22	160.67	-90.00	-4,922.68	3,237.87	2,894.08	2,626.15	267.94	10.801		
13,600.00	8,067.96	8,007.96	8,007.96	120.93	160.67	-90.00	-4,922.68	3,237.87	2,950.32	2,682.43	267.89	11.013		
13,700.00	8,067.96	8,007.96	8,007.96	122.64	160.67	-90.00	-4,922.68	3,237.87	3,008.83	2,741.06	267.77	11.237		
13,800.00	8,067.96	8,007.96	8,007.96	124.35	160.67	-90.00	-4,922.68	3,237.87	3,069.49	2,801.89	267.59	11.471		
13,900.00	8,067.96	8,007.96	8,007.96	126.06	160.67	-90.00	-4,922.68	3,237.87	3,132.16	2,864.80	267.36	11.715		
14,000.00	8,067.96	8,007.96	8,007.96	127.78	160.67	-90.00	-4,922.68	3,237.87	3,196.73	2,929.65	267.08	11.969		

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



# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 0-INC												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,100.00	8,067.96	8,007.96	8,007.96	129.50	160.67	-90.00	-4,922.68	3,237.87	3,263.09	2,996.33	266.76	12.232	
14,200.00	8,067.96	8,007.96	8,007.96	131.21	160.67	-90.00	-4,922.68	3,237.87	3,331.13	3,064.73	266.40	12.504	
14,300.00	8,067.96	8,007.96	8,007.96	132.93	160.67	-90.00	-4,922.68	3,237.87	3,400.75	3,134.73	266.02	12.784	
14,400.00	8,067.96	8,007.96	8,007.96	134.65	160.67	-90.00	-4,922.68	3,237.87	3,471.85	3,206.24	265.61	13.071	
14,500.00	8,067.96	8,007.96	8,007.96	136.38	160.67	-90.00	-4,922.68	3,237.87	3,544.35	3,279.17	265.18	13.366	
14,600.00	8,067.96	8,007.96	8,007.96	138.10	160.67	-90.00	-4,922.68	3,237.87	3,618.16	3,353.42	264.74	13.667	
14,700.00	8,067.96	8,007.96	8,007.96	139.82	160.67	-90.00	-4,922.68	3,237.87	3,693.20	3,428.92	264.28	13.974	
14,800.00	8,067.96	8,007.96	8,007.96	141.55	160.67	-90.00	-4,922.68	3,237.87	3,769.41	3,505.59	263.82	14.288	
14,900.00	8,067.96	8,007.96	8,007.96	143.28	160.67	-90.00	-4,922.68	3,237.87	3,846.70	3,583.35	263.35	14.607	
15,000.00	8,067.96	8,007.96	8,007.96	145.00	160.67	-90.00	-4,922.68	3,237.87	3,925.02	3,662.14	262.87	14.931	
15,100.00	8,067.96	8,007.96	8,007.96	146.73	160.67	-90.00	-4,922.68	3,237.87	4,004.30	3,741.90	262.40	15.260	
15,200.00	8,067.96	8,007.96	8,007.96	148.46	160.67	-90.00	-4,922.68	3,237.87	4,084.49	3,822.57	261.92	15.594	
15,300.00	8,067.96	8,007.96	8,007.96	150.19	160.67	-90.00	-4,922.68	3,237.87	4,165.54	3,904.09	261.45	15.933	
15,400.00	8,067.96	8,007.96	8,007.96	151.93	160.67	-90.00	-4,922.68	3,237.87	4,247.40	3,986.42	260.98	16.275	
15,500.00	8,067.96	8,007.96	8,007.96	153.66	160.67	-90.00	-4,922.68	3,237.87	4,330.02	4,069.51	260.51	16.621	
15,600.00	8,067.96	8,007.96	8,007.96	155.39	160.67	-90.00	-4,922.68	3,237.87	4,413.36	4,153.31	260.05	16.971	
15,700.00	8,067.97	8,007.97	8,007.97	157.13	160.67	-90.00	-4,922.68	3,237.87	4,497.38	4,237.79	259.59	17.325	
15,800.00	8,067.97	8,007.97	8,007.97	158.86	160.67	-90.00	-4,922.68	3,237.87	4,582.04	4,322.90	259.14	17.682	
15,900.00	8,067.97	8,007.97	8,007.97	160.60	160.67	-90.00	-4,922.68	3,237.87	4,667.30	4,408.61	258.69	18.042	
16,000.00	8,067.97	8,007.97	8,007.97	162.34	160.67	-90.00	-4,922.68	3,237.87	4,753.14	4,494.89	258.26	18.405	
16,100.00	8,067.97	8,007.97	8,007.97	164.08	160.67	-90.00	-4,922.68	3,237.87	4,839.53	4,581.70	257.83	18.770	
16,200.00	8,067.97	8,007.97	8,007.97	165.81	160.67	-90.00	-4,922.68	3,237.87	4,926.43	4,669.02	257.41	19.139	
16,300.00	8,067.97	8,007.97	8,007.97	167.55	160.67	-90.00	-4,922.68	3,237.87	5,013.82	4,756.82	256.99	19.510	
16,400.00	8,067.97	8,007.97	8,007.97	169.29	160.67	-90.00	-4,922.68	3,237.87	5,101.67	4,845.08	256.59	19.883	
16,500.00	8,067.97	8,007.97	8,007.97	171.04	160.67	-90.00	-4,922.68	3,237.87	5,189.96	4,933.77	256.19	20.258	
16,600.00	8,067.98	8,007.98	8,007.98	172.78	160.67	-90.00	-4,922.68	3,237.87	5,278.67	5,022.86	255.80	20.636	
16,700.00	8,067.98	8,007.98	8,007.98	174.52	160.67	-90.00	-4,922.68	3,237.87	5,367.77	5,112.35	255.42	21.015	
16,800.00	8,067.98	8,007.98	8,007.98	176.26	160.67	-90.00	-4,922.68	3,237.87	5,457.26	5,202.20	255.05	21.397	
16,900.00	8,067.98	8,007.98	8,007.98	178.01	160.67	-90.00	-4,922.68	3,237.87	5,547.10	5,292.41	254.69	21.780	
17,000.00	8,067.98	8,007.98	8,007.98	179.75	160.67	-90.00	-4,922.68	3,237.87	5,637.28	5,382.95	254.34	22.165	
17,100.00	8,067.98	8,007.98	8,007.98	181.49	160.67	-90.00	-4,922.68	3,237.87	5,727.79	5,473.80	253.99	22.551	
17,200.00	8,067.98	8,007.98	8,007.98	183.24	160.67	-90.00	-4,922.68	3,237.87	5,818.61	5,564.96	253.65	22.939	
17,300.00	8,067.99	8,007.99	8,007.99	184.99	160.67	-90.00	-4,922.68	3,237.87	5,909.73	5,656.41	253.32	23.329	
17,400.00	8,067.99	8,007.99	8,007.99	186.73	160.67	-90.00	-4,922.68	3,237.87	6,001.13	5,748.13	253.00	23.720	
17,500.00	8,067.99	8,007.99	8,007.99	188.48	160.67	-90.00	-4,922.68	3,237.87	6,092.80	5,840.12	252.69	24.112	
17,600.00	8,067.99	8,007.99	8,007.99	190.23	160.67	-90.00	-4,922.68	3,237.87	6,184.73	5,932.35	252.38	24.506	
17,700.00	8,067.99	8,007.99	8,007.99	191.97	160.67	-90.00	-4,922.68	3,237.87	6,276.90	6,024.82	252.08	24.900	
17,800.00	8,067.99	8,007.99	8,007.99	193.72	160.67	-90.00	-4,922.68	3,237.87	6,369.32	6,117.53	251.79	25.296	
17,900.00	8,068.00	8,008.00	8,008.00	195.47	160.67	-90.00	-4,922.68	3,237.87	6,461.95	6,210.45	251.51	25.693	
18,000.00	8,068.00	8,008.00	8,008.00	197.22	160.67	-90.00	-4,922.68	3,237.87	6,554.81	6,303.58	251.23	26.091	
18,100.00	8,068.00	8,008.00	8,008.00	198.97	160.67	-90.00	-4,922.68	3,237.87	6,647.87	6,396.91	250.96	26.490	
18,184.63	8,068.00	8,008.00	8,008.00	200.45	160.67	-90.00	-4,922.68	3,237.87	6,726.78	6,476.05	250.74	26.828	
18,185.16	8,068.00	8,008.00	8,008.00	200.47	160.67	-90.00	-4,922.68	3,237.87	6,727.27	6,474.95	252.32	26.661	



# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
0.00	0.00	0.00	0.00	0.00	0.00	123.32	-4,406.91	6,704.41	8,023.47					
100.00	100.00	22.00	22.00	0.13	0.26	123.32	-4,406.91	6,704.41	8,023.09	8,022.69	0.40	N/A		
200.00	200.00	122.00	122.00	0.49	1.70	123.32	-4,406.91	6,704.41	8,023.09	8,020.89	2.19	3,655.425		
300.00	300.00	222.00	222.00	0.85	3.95	123.32	-4,406.91	6,704.41	8,023.09	8,018.29	4.80	1,672.705		
400.00	400.00	322.00	322.00	1.21	6.02	123.32	-4,406.91	6,704.41	8,023.09	8,015.86	7.23	1,110.413		
500.00	500.00	422.00	422.00	1.57	8.05	123.32	-4,406.91	6,704.41	8,023.09	8,013.46	9.62	833.733		
600.00	600.00	522.00	522.00	1.93	10.08	123.32	-4,406.91	6,704.41	8,023.09	8,011.08	12.01	668.076		
700.00	700.00	622.00	622.00	2.29	12.10	123.32	-4,406.91	6,704.41	8,023.09	8,008.70	14.39	557.557		
800.00	800.00	722.00	722.00	2.64	14.12	123.32	-4,406.91	6,704.41	8,023.09	8,006.32	16.77	478.504		
900.00	900.00	822.00	822.00	3.00	16.14	123.32	-4,406.91	6,704.41	8,023.09	8,003.94	19.14	419.128		
1,000.00	1,000.00	922.00	922.00	3.36	18.16	123.32	-4,406.91	6,704.41	8,023.09	8,001.57	21.52	372.884		
1,100.00	1,100.00	1,022.00	1,022.00	3.72	20.17	123.32	-4,406.91	6,704.41	8,023.09	7,999.20	23.89	335.843		
1,200.00	1,200.00	1,122.00	1,122.00	4.08	22.18	123.32	-4,406.91	6,704.41	8,023.09	7,996.82	26.26	305.504		
1,300.00	1,299.98	1,221.98	1,221.98	4.42	24.20	-17.84	-4,406.91	6,704.41	8,021.43	7,992.81	28.62	280.299		
1,400.00	1,399.84	1,321.84	1,321.84	4.75	26.21	-17.89	-4,406.91	6,704.41	8,016.44	7,985.49	30.96	258.942		
1,500.00	1,499.45	1,421.45	1,421.45	5.09	28.21	-17.96	-4,406.91	6,704.41	8,008.15	7,974.85	33.30	240.495		
1,600.00	1,598.70	1,520.70	1,520.70	5.44	30.21	-18.06	-4,406.91	6,704.41	7,996.55	7,960.92	35.64	224.401		
1,700.00	1,697.47	1,619.47	1,619.47	5.81	32.20	-18.18	-4,406.91	6,704.41	7,981.67	7,943.70	37.97	210.234		
1,800.00	1,795.62	1,717.62	1,717.62	6.19	34.17	-18.34	-4,406.91	6,704.41	7,963.51	7,923.23	40.29	197.665		
1,846.33	1,840.86	1,762.86	1,762.86	6.38	35.08	-18.43	-4,406.91	6,704.41	7,954.00	7,912.64	41.36	192.302		
1,900.00	1,893.17	1,815.17	1,815.17	6.60	36.13	-18.45	-4,406.91	6,704.41	7,942.59	7,899.98	42.60	186.435		
2,000.00	1,990.64	1,912.64	1,912.64	7.02	38.10	-18.51	-4,406.91	6,704.41	7,921.32	7,876.40	44.92	176.360		
2,100.00	2,088.10	2,010.10	2,010.10	7.46	40.06	-18.56	-4,406.91	6,704.41	7,900.05	7,852.82	47.23	167.253		
2,200.00	2,185.57	2,107.57	2,107.57	7.91	42.02	-18.61	-4,406.91	6,704.41	7,878.79	7,829.24	49.56	158.984		
2,300.00	2,283.03	2,205.03	2,205.03	8.37	43.98	-18.66	-4,406.91	6,704.41	7,857.54	7,805.66	51.88	151.445		
2,400.00	2,380.50	2,302.50	2,302.50	8.84	45.94	-18.71	-4,406.91	6,704.41	7,836.30	7,782.08	54.21	144.543		
2,500.00	2,477.97	2,400.04	2,399.96	9.32	47.90	-18.77	-4,406.91	6,704.41	7,815.06	7,758.51	56.55	138.200		
2,600.00	2,575.43	2,502.57	2,497.43	9.80	49.96	-18.82	-4,406.91	6,704.41	7,793.82	7,734.84	58.99	132.128		
2,700.00	2,672.90	2,605.10	2,594.90	10.28	52.03	-18.87	-4,406.91	6,704.41	7,772.60	7,711.17	61.43	126.534		
2,800.00	2,770.36	2,707.64	2,692.36	10.77	54.09	-18.92	-4,406.91	6,704.41	7,751.38	7,687.51	63.87	121.363		
2,900.00	2,867.83	2,789.83	2,789.83	11.26	55.74	-18.98	-4,406.91	6,704.41	7,730.16	7,664.26	65.90	117.293		
3,000.00	2,965.29	2,887.29	2,887.29	11.76	57.70	-19.03	-4,406.91	6,704.41	7,708.95	7,640.71	68.25	112.954		
3,100.00	3,062.76	2,984.76	2,984.76	12.26	59.66	-19.09	-4,406.91	6,704.41	7,687.75	7,617.16	70.59	108.900		
3,200.00	3,160.23	3,082.23	3,082.23	12.76	61.62	-19.14	-4,406.91	6,704.41	7,666.56	7,593.62	72.94	105.105		
3,300.00	3,257.69	3,179.69	3,179.69	13.27	63.58	-19.20	-4,406.91	6,704.41	7,645.37	7,570.08	75.29	101.545		
3,400.00	3,355.16	3,277.16	3,277.16	13.77	65.54	-19.25	-4,406.91	6,704.41	7,624.19	7,546.55	77.64	98.199		
3,500.00	3,452.62	3,374.62	3,374.62	14.28	67.50	-19.31	-4,406.91	6,704.41	7,603.02	7,523.03	79.99	95.049		
3,600.00	3,550.09	3,472.09	3,472.09	14.79	69.46	-19.36	-4,406.91	6,704.41	7,581.85	7,499.51	82.34	92.077		
3,700.00	3,647.55	3,569.55	3,569.55	15.30	71.42	-19.42	-4,406.91	6,704.41	7,560.69	7,476.00	84.70	89.269		
3,800.00	3,745.02	3,667.02	3,667.02	15.81	73.38	-19.47	-4,406.91	6,704.41	7,539.54	7,452.49	87.05	86.612		
3,900.00	3,842.49	3,764.49	3,764.49	16.32	75.34	-19.53	-4,406.91	6,704.41	7,518.39	7,428.99	89.40	84.094		
4,000.00	3,939.95	3,861.95	3,861.95	16.84	77.30	-19.59	-4,406.91	6,704.41	7,497.25	7,405.49	91.76	81.705		
4,100.00	4,037.42	3,959.42	3,959.42	17.35	79.26	-19.65	-4,406.91	6,704.41	7,476.12	7,382.01	94.12	79.435		
4,200.00	4,134.88	4,056.88	4,056.88	17.87	81.22	-19.70	-4,406.91	6,704.41	7,455.00	7,358.52	96.47	77.275		
4,300.00	4,232.35	4,154.35	4,154.35	18.39	83.18	-19.76	-4,406.91	6,704.41	7,433.88	7,335.05	98.83	75.218		
4,400.00	4,329.81	4,251.81	4,251.81	18.90	85.14	-19.82	-4,406.91	6,704.41	7,412.77	7,311.58	101.19	73.256		
4,500.00	4,427.28	4,349.28	4,349.28	19.42	87.11	-19.88	-4,406.91	6,704.41	7,391.67	7,288.12	103.55	71.384		
4,600.00	4,524.75	4,446.75	4,446.75	19.94	89.07	-19.94	-4,406.91	6,704.41	7,370.57	7,264.66	105.91	69.594		
4,700.00	4,622.21	4,544.21	4,544.21	20.46	91.03	-20.00	-4,406.91	6,704.41	7,349.49	7,241.22	108.27	67.882		
4,800.00	4,719.68	4,641.68	4,641.68	20.98	92.99	-20.06	-4,406.91	6,704.41	7,328.41	7,217.78	110.63	66.243		
4,900.00	4,817.14	4,739.14	4,739.14	21.50	94.95	-20.12	-4,406.91	6,704.41	7,307.33	7,194.34	112.99	64.672		
5,000.00	4,914.61	4,836.61	4,836.61	22.02	96.91	-20.18	-4,406.91	6,704.41	7,286.27	7,170.92	115.35	63.165		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
5,100.00	5,012.07	4,934.07	4,934.07	22.54	98.87	-20.24	-4,406.91	6,704.41	7,265.21	7,147.50	117.72	61.718		
5,200.00	5,109.54	5,031.54	5,031.54	23.06	100.83	-20.30	-4,406.91	6,704.41	7,244.16	7,124.08	120.08	60.328		
5,300.00	5,207.01	5,129.01	5,129.01	23.59	102.79	-20.36	-4,406.91	6,704.41	7,223.12	7,100.68	122.44	58.992		
5,400.00	5,304.47	5,226.47	5,226.47	24.11	104.75	-20.42	-4,406.91	6,704.41	7,202.09	7,077.28	124.81	57.706		
5,500.00	5,401.94	5,323.94	5,323.94	24.63	106.71	-20.48	-4,406.91	6,704.41	7,181.07	7,053.89	127.17	56.467		
5,600.00	5,499.40	5,421.40	5,421.40	25.16	108.67	-20.55	-4,406.91	6,704.41	7,160.05	7,030.51	129.54	55.274		
5,700.00	5,596.87	5,503.00	5,503.00	25.68	110.31	-20.60	-4,406.91	6,704.41	7,139.06	7,007.47	131.59	54.252		
5,800.00	5,694.33	5,503.00	5,503.00	26.20	110.31	-20.60	-4,406.91	6,704.41	7,118.94	6,986.92	132.02	53.924		
5,900.00	5,791.80	5,503.00	5,503.00	26.73	110.31	-20.60	-4,406.91	6,704.41	7,100.18	6,967.75	132.43	53.616		
6,000.00	5,889.27	5,503.00	5,503.00	27.25	110.31	-20.60	-4,406.91	6,704.41	7,082.78	6,949.97	132.81	53.330		
6,100.00	5,986.73	5,503.00	5,503.00	27.78	110.31	-20.60	-4,406.91	6,704.41	7,066.75	6,933.58	133.17	53.066		
6,200.00	6,084.20	5,503.00	5,503.00	28.30	110.31	-20.60	-4,406.91	6,704.41	7,052.10	6,918.59	133.51	52.822		
6,300.00	6,181.66	5,503.00	5,503.00	28.82	110.31	-20.60	-4,406.91	6,704.41	7,038.84	6,905.03	133.82	52.600		
6,400.00	6,279.13	5,503.00	5,503.00	29.35	110.31	-20.60	-4,406.91	6,704.41	7,026.99	6,892.88	134.11	52.398		
6,500.00	6,376.59	5,503.00	5,503.00	29.88	110.31	-20.60	-4,406.91	6,704.41	7,016.53	6,882.16	134.37	52.218		
6,600.00	6,474.06	5,503.00	5,503.00	30.40	110.31	-20.60	-4,406.91	6,704.41	7,007.49	6,872.88	134.61	52.059		
6,700.00	6,571.53	5,503.00	5,503.00	30.93	110.31	-20.60	-4,406.91	6,704.41	6,999.86	6,865.05	134.82	51.921		
6,800.00	6,668.99	5,503.00	5,503.00	31.45	110.31	-20.60	-4,406.91	6,704.41	6,993.66	6,858.66	135.00	51.804		
6,887.36	6,754.14	5,503.00	5,503.00	31.91	110.31	-20.60	-4,406.91	6,704.41	6,989.41	6,854.27	135.14	51.718		
6,900.00	6,766.46	5,503.00	5,503.00	31.98	110.31	-20.59	-4,406.91	6,704.41	6,988.91	6,853.75	135.16	51.708		
6,977.73	6,842.52	5,503.00	5,503.00	32.37	110.31	-20.58	-4,406.91	6,704.41	6,987.49	6,852.23	135.26	51.659		
7,000.00	6,864.39	5,503.00	5,503.00	32.48	110.31	-20.59	-4,406.91	6,704.41	6,987.61	6,852.32	135.29	51.651		
7,100.00	6,962.96	5,503.00	5,503.00	32.94	110.31	-20.61	-4,406.91	6,704.41	6,991.00	6,855.63	135.37	51.644		
7,200.00	7,062.06	5,503.00	5,503.00	33.36	110.31	-20.67	-4,406.91	6,704.41	6,999.08	6,863.67	135.41	51.687		
7,300.00	7,161.57	5,503.00	5,503.00	33.74	110.31	-20.76	-4,406.91	6,704.41	7,011.82	6,876.41	135.42	51.780		
7,400.00	7,261.36	5,503.00	5,503.00	34.08	110.31	-20.88	-4,406.91	6,704.41	7,029.18	6,893.81	135.38	51.922		
7,500.00	7,361.31	5,503.00	5,503.00	34.39	110.31	-21.04	-4,406.91	6,704.41	7,051.11	6,915.81	135.30	52.113		
7,533.69	7,395.00	5,503.00	5,503.00	34.48	110.31	120.04	-4,406.91	6,704.41	7,059.51	6,924.25	135.27	52.189		
7,600.00	7,461.31	5,503.00	5,503.00	34.65	110.31	120.04	-4,406.91	6,704.41	7,076.84	6,941.66	135.18	52.353		
7,633.69	7,495.00	5,503.00	5,503.00	34.73	110.31	120.04	-4,406.91	6,704.41	7,085.87	6,950.74	135.13	52.439		
7,650.00	7,511.31	5,503.00	5,503.00	34.78	110.31	-59.23	-4,406.91	6,704.41	7,090.16	6,955.07	135.10	52.479		
7,700.00	7,561.16	5,503.00	5,503.00	34.94	110.31	-58.18	-4,406.91	6,704.41	7,102.16	6,967.11	135.05	52.588		
7,750.00	7,610.51	5,503.00	5,503.00	35.14	110.31	-57.31	-4,406.91	6,704.41	7,112.24	6,977.22	135.02	52.676		
7,800.00	7,658.98	5,503.00	5,503.00	35.37	110.31	-56.62	-4,406.91	6,704.41	7,120.35	6,985.34	135.00	52.742		
7,850.00	7,706.21	5,503.00	5,503.00	35.64	110.31	-56.11	-4,406.91	6,704.41	7,126.42	6,991.41	135.01	52.786		
7,900.00	7,751.82	5,503.00	5,503.00	35.93	110.31	-55.78	-4,406.91	6,704.41	7,130.42	6,995.38	135.03	52.805		
7,950.00	7,795.49	5,503.00	5,503.00	36.26	110.31	-55.62	-4,406.91	6,704.41	7,132.32	6,997.24	135.08	52.800		
8,000.00	7,836.86	5,503.00	5,503.00	36.62	110.31	-55.64	-4,406.91	6,704.41	7,132.11	6,996.95	135.16	52.769		
8,050.00	7,875.64	5,503.00	5,503.00	37.00	110.31	-55.83	-4,406.91	6,704.41	7,129.79	6,994.53	135.26	52.713		
8,100.00	7,911.52	5,503.00	5,503.00	37.42	110.31	-56.20	-4,406.91	6,704.41	7,125.37	6,989.99	135.39	52.630		
8,150.00	7,944.22	5,503.00	5,503.00	37.86	110.31	-56.74	-4,406.91	6,704.41	7,118.89	6,983.35	135.54	52.521		
8,200.00	7,973.51	5,503.00	5,503.00	38.32	110.31	-57.47	-4,406.91	6,704.41	7,110.39	6,974.65	135.73	52.385		
8,250.00	7,999.16	5,503.00	5,503.00	38.81	110.31	-58.37	-4,406.91	6,704.41	7,099.92	6,963.97	135.96	52.222		
8,300.00	8,020.98	5,503.00	5,503.00	39.31	110.31	-59.47	-4,406.91	6,704.41	7,087.56	6,951.35	136.21	52.033		
8,350.00	8,038.79	5,503.00	5,503.00	39.84	110.31	-60.75	-4,406.91	6,704.41	7,073.40	6,936.90	136.50	51.819		
8,400.00	8,052.46	5,503.00	5,503.00	40.38	110.31	-62.22	-4,406.91	6,704.41	7,057.52	6,920.70	136.83	51.580		
8,450.00	8,061.89	5,503.00	5,503.00	40.93	110.31	-63.88	-4,406.91	6,704.41	7,040.04	6,902.86	137.18	51.319		
8,500.00	8,067.01	5,503.00	5,503.00	41.49	110.31	-65.73	-4,406.91	6,704.41	7,021.09	6,883.52	137.57	51.036		
8,533.77	8,068.00	5,503.00	5,503.00	41.88	110.31	-67.09	-4,406.91	6,704.41	7,007.51	6,869.66	137.85	50.834		
8,600.00	8,068.00	5,503.00	5,503.00	42.64	110.31	-67.09	-4,406.91	6,704.41	6,980.58	6,842.15	138.43	50.428		
8,700.00	8,068.00	5,503.00	5,503.00	43.82	110.31	-67.09	-4,406.91	6,704.41	6,940.90	6,801.55	139.36	49.806		
8,800.00	8,068.00	5,503.00	5,503.00	45.04	110.31	-67.09	-4,406.91	6,704.41	6,902.45	6,762.09	140.36	49.176		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,900.00	8,067.99	5,503.00	5,503.00	46.30	110.31	-67.09	-4,406.91	6,704.41	6,865.25	6,723.81	141.43	48.541		
9,000.00	8,067.99	5,503.00	5,503.00	47.59	110.31	-67.09	-4,406.91	6,704.41	6,829.30	6,686.73	142.57	47.903		
9,100.00	8,067.99	5,503.00	5,503.00	48.91	110.31	-67.09	-4,406.91	6,704.41	6,794.63	6,650.88	143.76	47.264		
9,200.00	8,067.99	5,503.00	5,503.00	50.26	110.31	-67.09	-4,406.91	6,704.41	6,761.27	6,616.26	145.01	46.627		
9,300.00	8,067.99	5,503.00	5,503.00	51.63	110.31	-67.09	-4,406.91	6,704.41	6,729.23	6,582.92	146.31	45.994		
9,400.00	8,067.99	5,503.00	5,503.00	53.03	110.31	-67.09	-4,406.91	6,704.41	6,698.52	6,550.87	147.66	45.366		
9,500.00	8,067.98	5,503.00	5,503.00	54.44	110.31	-67.09	-4,406.91	6,704.41	6,669.18	6,520.13	149.05	44.745		
9,600.00	8,067.98	5,503.00	5,503.00	55.88	110.31	-67.09	-4,406.91	6,704.41	6,641.21	6,490.72	150.48	44.132		
9,700.00	8,067.98	5,503.00	5,503.00	57.34	110.31	-67.09	-4,406.91	6,704.41	6,614.63	6,462.68	151.96	43.530		
9,800.00	8,067.98	5,503.00	5,503.00	58.81	110.31	-67.09	-4,406.91	6,704.41	6,589.47	6,436.00	153.46	42.938		
9,900.00	8,067.98	5,503.00	5,503.00	60.31	110.31	-67.09	-4,406.91	6,704.41	6,565.73	6,410.73	155.00	42.359		
10,000.00	8,067.98	5,503.00	5,503.00	61.81	110.31	-67.09	-4,406.91	6,704.41	6,543.43	6,386.86	156.57	41.792		
10,100.00	8,067.98	5,503.00	5,503.00	63.33	110.31	-67.09	-4,406.91	6,704.41	6,522.59	6,364.43	158.17	41.239		
10,200.00	8,067.97	5,503.00	5,503.00	64.86	110.31	-67.09	-4,406.91	6,704.41	6,503.22	6,343.44	159.78	40.700		
10,300.00	8,067.97	5,503.00	5,503.00	66.41	110.31	-67.09	-4,406.91	6,704.41	6,485.34	6,323.92	161.42	40.176		
10,400.00	8,067.97	5,503.00	5,503.00	67.96	110.31	-67.09	-4,406.91	6,704.41	6,468.95	6,305.87	163.08	39.668		
10,500.00	8,067.97	5,503.00	5,503.00	69.53	110.31	-67.09	-4,406.91	6,704.41	6,454.07	6,289.32	164.75	39.175		
10,600.00	8,067.97	5,503.00	5,503.00	71.10	110.31	-67.09	-4,406.91	6,704.41	6,440.71	6,274.28	166.44	38.698		
10,700.00	8,067.97	5,503.00	5,503.00	72.69	110.31	-67.09	-4,406.91	6,704.41	6,428.88	6,260.75	168.13	38.237		
10,800.00	8,067.97	5,503.00	5,503.00	74.28	110.31	-67.09	-4,406.91	6,704.41	6,418.58	6,248.74	169.84	37.792		
10,900.00	8,067.97	5,503.00	5,503.00	75.88	110.31	-67.09	-4,406.91	6,704.41	6,409.83	6,238.28	171.55	37.364		
11,000.00	8,067.97	5,503.00	5,503.00	77.49	110.31	-67.09	-4,406.91	6,704.41	6,402.62	6,229.36	173.27	36.952		
11,100.00	8,067.97	5,503.00	5,503.00	79.10	110.31	-67.09	-4,406.91	6,704.41	6,396.98	6,221.99	174.99	36.557		
11,200.00	8,067.96	5,503.00	5,503.00	80.73	110.31	-67.09	-4,406.91	6,704.41	6,392.89	6,216.18	176.70	36.178		
11,300.00	8,067.96	5,503.00	5,503.00	82.35	110.31	-67.09	-4,406.91	6,704.41	6,390.36	6,211.94	178.42	35.816		
11,400.00	8,067.96	5,503.00	5,503.00	83.99	110.31	-67.09	-4,406.91	6,704.41	6,389.40	6,209.26	180.13	35.470		
11,411.49	8,067.96	5,503.00	5,503.00	84.18	110.31	-67.09	-4,406.91	6,704.41	6,389.39	6,209.06	180.33	35.431 CC		
11,500.00	8,067.96	5,503.00	5,503.00	85.63	110.31	-67.09	-4,406.91	6,704.41	6,390.00	6,208.16	181.84	35.140 ES		
11,600.00	8,067.96	5,503.00	5,503.00	87.27	110.31	-67.09	-4,406.91	6,704.41	6,392.17	6,208.63	183.54	34.827		
11,700.00	8,067.96	5,503.00	5,503.00	88.92	110.31	-67.09	-4,406.91	6,704.41	6,395.90	6,210.67	185.23	34.529		
11,800.00	8,067.96	5,503.00	5,503.00	90.58	110.31	-67.09	-4,406.91	6,704.41	6,401.19	6,214.28	186.91	34.247		
11,900.00	8,067.96	5,503.00	5,503.00	92.23	110.31	-67.09	-4,406.91	6,704.41	6,408.03	6,219.45	188.58	33.980		
12,000.00	8,067.96	5,503.00	5,503.00	93.90	110.31	-67.09	-4,406.91	6,704.41	6,416.43	6,226.20	190.23	33.729		
12,100.00	8,067.96	5,503.00	5,503.00	95.56	110.31	-67.09	-4,406.91	6,704.41	6,426.38	6,234.50	191.87	33.493		
12,200.00	8,067.96	5,503.00	5,503.00	97.23	110.31	-67.09	-4,406.91	6,704.41	6,437.86	6,244.36	193.50	33.271		
12,300.00	8,067.96	5,503.00	5,503.00	98.91	110.31	-67.09	-4,406.91	6,704.41	6,450.87	6,255.77	195.10	33.065		
12,400.00	8,067.96	5,503.00	5,503.00	100.59	110.31	-67.09	-4,406.91	6,704.41	6,465.40	6,268.72	196.68	32.872		
12,500.00	8,067.96	5,503.00	5,503.00	102.27	110.31	-67.09	-4,406.91	6,704.41	6,481.44	6,283.19	198.25	32.694		
12,600.00	8,067.96	5,503.00	5,503.00	103.95	110.31	-67.09	-4,406.91	6,704.41	6,498.98	6,299.19	199.79	32.529		
12,700.00	8,067.96	5,503.00	5,503.00	105.64	110.31	-67.09	-4,406.91	6,704.41	6,518.01	6,316.70	201.31	32.378		
12,800.00	8,067.96	5,503.00	5,503.00	107.33	110.31	-67.09	-4,406.91	6,704.41	6,538.51	6,335.71	202.81	32.240		
12,900.00	8,067.96	5,503.00	5,503.00	109.02	110.31	-67.09	-4,406.91	6,704.41	6,560.48	6,356.20	204.28	32.115		
13,000.00	8,067.96	5,503.00	5,503.00	110.71	110.31	-67.09	-4,406.91	6,704.41	6,583.88	6,378.16	205.72	32.003		
13,100.00	8,067.96	5,503.00	5,503.00	112.41	110.31	-67.09	-4,406.91	6,704.41	6,608.72	6,401.58	207.15	31.904		
13,200.00	8,067.96	5,503.00	5,503.00	114.11	110.31	-67.09	-4,406.91	6,704.41	6,634.98	6,426.43	208.54	31.816		
13,300.00	8,067.96	5,503.00	5,503.00	115.81	110.31	-67.09	-4,406.91	6,704.41	6,662.63	6,452.72	209.91	31.741		
13,400.00	8,067.96	5,503.00	5,503.00	117.52	110.31	-67.09	-4,406.91	6,704.41	6,691.66	6,480.41	211.25	31.677		
13,500.00	8,067.96	5,503.00	5,503.00	119.22	110.31	-67.09	-4,406.91	6,704.41	6,722.05	6,509.49	212.56	31.624		
13,600.00	8,067.96	5,503.00	5,503.00	120.93	110.31	-67.09	-4,406.91	6,704.41	6,753.79	6,539.94	213.85	31.582		
13,700.00	8,067.96	5,503.00	5,503.00	122.64	110.31	-67.09	-4,406.91	6,704.41	6,786.85	6,571.75	215.10	31.552		
13,800.00	8,067.96	5,503.00	5,503.00	124.35	110.31	-67.09	-4,406.91	6,704.41	6,821.22	6,604.89	216.33	31.532		
13,900.00	8,067.96	5,503.00	5,503.00	126.06	110.31	-67.09	-4,406.91	6,704.41	6,856.87	6,639.34	217.53	31.522 SF		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,000.00	8,067.96	5,503.00	5,503.00	127.78	110.31	-67.09	-4,406.91	6,704.41	6,893.79	6,675.09	218.70	31.522		
14,100.00	8,067.96	5,503.00	5,503.00	129.50	110.31	-67.09	-4,406.91	6,704.41	6,931.96	6,712.12	219.84	31.532		
14,200.00	8,067.96	5,503.00	5,503.00	131.21	110.31	-67.09	-4,406.91	6,704.41	6,971.35	6,750.40	220.95	31.551		
14,300.00	8,067.96	5,503.00	5,503.00	132.93	110.31	-67.09	-4,406.91	6,704.41	7,011.95	6,789.91	222.04	31.580		
14,400.00	8,067.96	5,503.00	5,503.00	134.65	110.31	-67.09	-4,406.91	6,704.41	7,053.73	6,830.64	223.09	31.618		
14,500.00	8,067.96	5,503.00	5,503.00	136.38	110.31	-67.09	-4,406.91	6,704.41	7,096.67	6,872.55	224.12	31.665		
14,600.00	8,067.96	5,503.00	5,503.00	138.10	110.31	-67.09	-4,406.91	6,704.41	7,140.76	6,915.64	225.12	31.720		
14,700.00	8,067.96	5,503.00	5,503.00	139.82	110.31	-67.09	-4,406.91	6,704.41	7,185.96	6,959.88	226.09	31.784		
14,800.00	8,067.96	5,503.00	5,503.00	141.55	110.31	-67.09	-4,406.91	6,704.41	7,232.27	7,005.24	227.03	31.856		
14,900.00	8,067.96	5,503.00	5,503.00	143.28	110.31	-67.09	-4,406.91	6,704.41	7,279.66	7,051.71	227.95	31.935		
15,000.00	8,067.96	5,503.00	5,503.00	145.00	110.31	-67.09	-4,406.91	6,704.41	7,328.10	7,099.26	228.84	32.023		
15,100.00	8,067.96	5,503.00	5,503.00	146.73	110.31	-67.09	-4,406.91	6,704.41	7,377.59	7,147.88	229.70	32.118		
15,200.00	8,067.96	5,503.00	5,503.00	148.46	110.31	-67.09	-4,406.91	6,704.41	7,428.08	7,197.54	230.54	32.220		
15,300.00	8,067.96	5,503.00	5,503.00	150.19	110.31	-67.09	-4,406.91	6,704.41	7,479.58	7,248.23	231.35	32.330		
15,400.00	8,067.96	5,503.00	5,503.00	151.93	110.31	-67.09	-4,406.91	6,704.41	7,532.05	7,299.91	232.14	32.446		
15,500.00	8,067.96	5,503.00	5,503.00	153.66	110.31	-67.09	-4,406.91	6,704.41	7,585.48	7,352.57	232.90	32.569		
15,600.00	8,067.96	5,503.00	5,503.00	155.39	110.31	-67.09	-4,406.91	6,704.41	7,639.84	7,406.20	233.64	32.699		
15,700.00	8,067.97	5,503.00	5,503.00	157.13	110.31	-67.09	-4,406.91	6,704.41	7,695.11	7,460.76	234.35	32.835		
15,800.00	8,067.97	5,503.00	5,503.00	158.86	110.31	-67.09	-4,406.91	6,704.41	7,751.29	7,516.24	235.05	32.978		
15,900.00	8,067.97	5,503.00	5,503.00	160.60	110.31	-67.09	-4,406.91	6,704.41	7,808.34	7,572.62	235.71	33.126		
16,000.00	8,067.97	5,503.00	5,503.00	162.34	110.31	-67.09	-4,406.91	6,704.41	7,866.24	7,629.88	236.36	33.281		
16,100.00	8,067.97	5,503.00	5,503.00	164.08	110.31	-67.09	-4,406.91	6,704.41	7,924.99	7,688.00	236.99	33.441		
16,200.00	8,067.97	5,503.00	5,503.00	165.81	110.31	-67.09	-4,406.91	6,704.41	7,984.55	7,746.96	237.59	33.607		
16,300.00	8,067.97	5,503.00	5,503.00	167.55	110.31	-67.09	-4,406.91	6,704.41	8,044.92	7,806.75	238.17	33.778		
16,400.00	8,067.97	5,503.00	5,503.00	169.29	110.31	-67.09	-4,406.91	6,704.41	8,106.07	7,867.34	238.74	33.954		
16,500.00	8,067.97	5,503.00	5,503.00	171.04	110.31	-67.09	-4,406.91	6,704.41	8,167.99	7,928.71	239.28	34.136		
16,600.00	8,067.98	5,503.00	5,503.00	172.78	110.31	-67.09	-4,406.91	6,704.41	8,230.66	7,990.85	239.81	34.322		
16,700.00	8,067.98	5,503.00	5,503.00	174.52	110.31	-67.09	-4,406.91	6,704.41	8,294.06	8,053.74	240.31	34.514		
16,800.00	8,067.98	5,503.00	5,503.00	176.26	110.31	-67.09	-4,406.91	6,704.41	8,358.17	8,117.37	240.80	34.710		
16,900.00	8,067.98	5,503.00	5,503.00	178.01	110.31	-67.09	-4,406.91	6,704.41	8,422.99	8,181.71	241.27	34.911		
17,000.00	8,067.98	5,503.00	5,503.00	179.75	110.31	-67.09	-4,406.91	6,704.41	8,488.48	8,246.76	241.73	35.116		
17,100.00	8,067.98	5,503.00	5,503.00	181.49	110.31	-67.09	-4,406.91	6,704.41	8,554.65	8,312.48	242.17	35.326		
17,200.00	8,067.98	5,503.00	5,503.00	183.24	110.31	-67.09	-4,406.91	6,704.41	8,621.46	8,378.88	242.59	35.539		
17,300.00	8,067.99	5,503.00	5,503.00	184.99	110.31	-67.09	-4,406.91	6,704.41	8,688.92	8,445.92	243.00	35.758		
17,400.00	8,067.99	5,503.00	5,503.00	186.73	110.31	-67.09	-4,406.91	6,704.41	8,756.99	8,513.61	243.39	35.980		
17,500.00	8,067.99	5,503.00	5,503.00	188.48	110.31	-67.09	-4,406.91	6,704.41	8,825.68	8,581.91	243.77	36.206		
17,600.00	8,067.99	5,503.00	5,503.00	190.23	110.31	-67.09	-4,406.91	6,704.41	8,894.96	8,650.83	244.13	36.435		
17,700.00	8,067.99	5,503.00	5,503.00	191.97	110.31	-67.09	-4,406.91	6,704.41	8,964.81	8,720.33	244.48	36.669		
17,800.00	8,067.99	5,503.00	5,503.00	193.72	110.31	-67.09	-4,406.91	6,704.41	9,035.24	8,790.42	244.82	36.906		
17,900.00	8,068.00	5,503.00	5,503.00	195.47	110.31	-67.09	-4,406.91	6,704.41	9,106.22	8,861.08	245.14	37.147		
18,000.00	8,068.00	5,503.00	5,503.00	197.22	110.31	-67.09	-4,406.91	6,704.41	9,177.74	8,932.28	245.45	37.391		
18,100.00	8,068.00	5,503.00	5,503.00	198.97	110.31	-67.09	-4,406.91	6,704.41	9,249.78	9,004.03	245.75	37.639		
18,184.63	8,068.00	5,503.00	5,503.00	200.45	110.31	-67.09	-4,406.91	6,704.41	9,311.16	9,065.16	246.00	37.851		
18,185.16	8,068.00	5,503.00	5,503.00	200.47	110.31	-67.09	-4,406.91	6,704.41	9,311.54	9,065.14	246.40	37.790		

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
0.00	0.00	0.00	0.00	0.00	0.00	129.54	-5,394.86	6,535.19	8,474.91					
100.00	100.00	4.00	-4.00	0.13	0.05	129.54	-5,394.86	6,535.19	8,474.27	8,474.09	0.18	N/A		
200.00	200.00	104.00	96.00	0.49	1.29	129.54	-5,394.86	6,535.19	8,474.27	8,472.49	1.78	4,753.597		
300.00	300.00	204.00	196.00	0.85	3.57	129.54	-5,394.86	6,535.19	8,474.27	8,469.85	4.42	1,916.226		
400.00	400.00	304.00	296.00	1.21	5.65	129.54	-5,394.86	6,535.19	8,474.27	8,467.41	6.86	1,235.726		
500.00	500.00	404.00	396.00	1.57	7.69	129.54	-5,394.86	6,535.19	8,474.27	8,465.01	9.26	915.360		
600.00	600.00	504.00	496.00	1.93	9.72	129.54	-5,394.86	6,535.19	8,474.27	8,462.62	11.65	727.709		
700.00	700.00	604.00	596.00	2.29	11.74	129.54	-5,394.86	6,535.19	8,474.27	8,460.24	14.03	604.172		
800.00	800.00	704.00	696.00	2.64	13.76	129.54	-5,394.86	6,535.19	8,474.27	8,457.87	16.40	516.600		
900.00	900.00	804.00	796.00	3.00	15.78	129.54	-5,394.86	6,535.19	8,474.27	8,455.49	18.78	451.252		
1,000.00	1,000.00	904.00	896.00	3.36	17.79	129.54	-5,394.86	6,535.19	8,474.27	8,453.12	21.15	400.606		
1,100.00	1,100.00	1,004.00	996.00	3.72	19.81	129.54	-5,394.86	6,535.19	8,474.27	8,450.74	23.53	360.196		
1,200.00	1,200.00	1,104.00	1,096.00	4.08	21.82	129.54	-5,394.86	6,535.19	8,474.27	8,448.37	25.90	327.200		
1,300.00	1,299.98	1,204.02	1,195.98	4.42	23.84	-11.62	-5,394.86	6,535.19	8,472.56	8,444.30	28.26	299.851		
1,400.00	1,399.84	1,304.16	1,295.84	4.75	25.85	-11.65	-5,394.86	6,535.19	8,467.43	8,436.83	30.60	276.687		
1,500.00	1,499.45	1,404.55	1,395.45	5.09	27.87	-11.69	-5,394.86	6,535.19	8,458.90	8,425.94	32.96	256.651		
1,600.00	1,598.70	1,505.30	1,494.70	5.44	29.90	-11.76	-5,394.86	6,535.19	8,446.96	8,411.64	35.33	239.121		
1,700.00	1,697.47	1,606.53	1,593.47	5.81	31.94	-11.84	-5,394.86	6,535.19	8,431.64	8,393.94	37.70	223.626		
1,800.00	1,795.62	1,708.38	1,691.62	6.19	33.99	-11.95	-5,394.86	6,535.19	8,412.96	8,372.86	40.10	209.806		
1,846.33	1,840.86	1,736.86	1,736.86	6.38	34.56	-12.00	-5,394.86	6,535.19	8,403.17	8,362.33	40.83	205.785		
1,900.00	1,893.17	1,789.17	1,789.17	6.60	35.61	-12.02	-5,394.86	6,535.19	8,391.41	8,349.34	42.07	199.449		
2,000.00	1,990.64	1,886.64	1,886.64	7.02	37.57	-12.05	-5,394.86	6,535.19	8,369.51	8,325.13	44.38	188.580		
2,100.00	2,088.10	1,984.10	1,984.10	7.46	39.53	-12.08	-5,394.86	6,535.19	8,347.61	8,300.91	46.69	178.769		
2,200.00	2,185.57	2,081.57	2,081.57	7.91	41.49	-12.12	-5,394.86	6,535.19	8,325.71	8,276.70	49.01	169.870		
2,300.00	2,283.03	2,179.03	2,179.03	8.37	43.46	-12.15	-5,394.86	6,535.19	8,303.82	8,252.48	51.33	161.765		
2,400.00	2,380.50	2,276.50	2,276.50	8.84	45.42	-12.18	-5,394.86	6,535.19	8,281.92	8,228.27	53.66	154.352		
2,500.00	2,477.97	2,373.96	2,373.96	9.32	47.38	-12.21	-5,394.86	6,535.19	8,260.03	8,204.05	55.98	147.548		
2,600.00	2,575.43	2,471.43	2,471.43	9.80	49.34	-12.25	-5,394.86	6,535.19	8,238.15	8,179.84	58.31	141.281		
2,700.00	2,672.90	2,568.90	2,568.90	10.28	51.30	-12.28	-5,394.86	6,535.19	8,216.26	8,155.62	60.64	135.491		
2,800.00	2,770.36	2,666.36	2,666.36	10.77	53.26	-12.31	-5,394.86	6,535.19	8,194.38	8,131.41	62.97	130.125		
2,900.00	2,867.83	2,763.83	2,763.83	11.26	55.22	-12.35	-5,394.86	6,535.19	8,172.50	8,107.19	65.31	125.140		
3,000.00	2,965.29	2,861.29	2,861.29	11.76	57.18	-12.38	-5,394.86	6,535.19	8,150.62	8,082.98	67.64	120.497		
3,100.00	3,062.76	2,958.76	2,958.76	12.26	59.14	-12.41	-5,394.86	6,535.19	8,128.75	8,058.77	69.98	116.161		
3,200.00	3,160.23	3,056.23	3,056.23	12.76	61.10	-12.45	-5,394.86	6,535.19	8,106.88	8,034.56	72.32	112.103		
3,300.00	3,257.69	3,153.69	3,153.69	13.27	63.06	-12.48	-5,394.86	6,535.19	8,085.01	8,010.35	74.66	108.298		
3,400.00	3,355.16	3,251.16	3,251.16	13.77	65.02	-12.52	-5,394.86	6,535.19	8,063.14	7,986.15	77.00	104.723		
3,500.00	3,452.62	3,348.62	3,348.62	14.28	66.98	-12.55	-5,394.86	6,535.19	8,041.28	7,961.94	79.34	101.357		
3,600.00	3,550.09	3,446.09	3,446.09	14.79	68.94	-12.59	-5,394.86	6,535.19	8,019.42	7,937.74	81.68	98.184		
3,700.00	3,647.55	3,543.55	3,543.55	15.30	70.90	-12.62	-5,394.86	6,535.19	7,997.56	7,913.54	84.02	95.186		
3,800.00	3,745.02	3,641.02	3,641.02	15.81	72.86	-12.66	-5,394.86	6,535.19	7,975.71	7,889.34	86.36	92.350		
3,900.00	3,842.49	3,738.49	3,738.49	16.32	74.82	-12.69	-5,394.86	6,535.19	7,953.86	7,865.15	88.71	89.664		
4,000.00	3,939.95	3,835.95	3,835.95	16.84	76.78	-12.73	-5,394.86	6,535.19	7,932.01	7,840.96	91.05	87.115		
4,100.00	4,037.42	3,933.42	3,933.42	17.35	78.74	-12.76	-5,394.86	6,535.19	7,910.16	7,816.76	93.40	84.694		
4,200.00	4,134.88	4,030.88	4,030.88	17.87	80.70	-12.80	-5,394.86	6,535.19	7,888.32	7,792.58	95.74	82.391		
4,300.00	4,232.35	4,128.35	4,128.35	18.39	82.66	-12.83	-5,394.86	6,535.19	7,866.48	7,768.39	98.09	80.197		
4,400.00	4,329.81	4,225.81	4,225.81	18.90	84.62	-12.87	-5,394.86	6,535.19	7,844.64	7,744.21	100.44	78.106		
4,500.00	4,427.28	4,323.28	4,323.28	19.42	86.58	-12.91	-5,394.86	6,535.19	7,822.81	7,720.02	102.78	76.110		
4,600.00	4,524.75	4,420.75	4,420.75	19.94	88.54	-12.94	-5,394.86	6,535.19	7,800.98	7,695.85	105.13	74.202		
4,700.00	4,622.21	4,518.21	4,518.21	20.46	90.50	-12.98	-5,394.86	6,535.19	7,779.15	7,671.67	107.48	72.378		
4,800.00	4,719.68	4,615.68	4,615.68	20.98	92.46	-13.02	-5,394.86	6,535.19	7,757.32	7,647.50	109.83	70.631		
4,900.00	4,817.14	4,713.14	4,713.14	21.50	94.42	-13.05	-5,394.86	6,535.19	7,735.50	7,623.33	112.18	68.958		
5,000.00	4,914.61	4,810.61	4,810.61	22.02	96.38	-13.09	-5,394.86	6,535.19	7,713.68	7,599.16	114.53	67.353		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
5,100.00	5,012.07	4,908.07	4,908.07	22.54	98.34	-13.13	-5,394.86	6,535.19	7,691.87	7,574.99	116.88	65.812		
5,200.00	5,109.54	5,005.54	5,005.54	23.06	100.30	-13.17	-5,394.86	6,535.19	7,670.06	7,550.83	119.23	64.331		
5,300.00	5,207.01	5,103.01	5,103.01	23.59	102.26	-13.21	-5,394.86	6,535.19	7,648.25	7,526.67	121.58	62.908		
5,400.00	5,304.47	5,200.47	5,200.47	24.11	104.22	-13.24	-5,394.86	6,535.19	7,626.44	7,502.51	123.93	61.539		
5,500.00	5,401.94	5,302.06	5,297.94	24.63	106.27	-13.28	-5,394.86	6,535.19	7,604.64	7,478.28	126.36	60.181		
5,600.00	5,499.40	5,404.60	5,395.40	25.16	108.33	-13.32	-5,394.86	6,535.19	7,582.84	7,454.02	128.82	58.865		
5,700.00	5,596.87	5,507.13	5,492.87	25.68	110.39	-13.36	-5,394.86	6,535.19	7,561.04	7,429.77	131.27	57.599		
5,800.00	5,694.33	5,609.67	5,590.33	26.20	112.45	-13.40	-5,394.86	6,535.19	7,539.25	7,405.53	133.73	56.379		
5,900.00	5,791.80	5,687.80	5,687.80	26.73	114.02	-13.44	-5,394.86	6,535.19	7,517.46	7,381.77	135.69	55.402		
6,000.00	5,889.27	5,785.27	5,785.27	27.25	115.98	-13.48	-5,394.86	6,535.19	7,495.68	7,357.64	138.04	54.300		
6,100.00	5,986.73	5,882.73	5,882.73	27.78	117.94	-13.52	-5,394.86	6,535.19	7,473.90	7,333.50	140.40	53.235		
6,200.00	6,084.20	5,980.20	5,980.20	28.30	119.90	-13.56	-5,394.86	6,535.19	7,452.12	7,309.37	142.75	52.204		
6,300.00	6,181.66	6,077.66	6,077.66	28.82	121.86	-13.60	-5,394.86	6,535.19	7,430.34	7,285.24	145.10	51.207		
6,400.00	6,279.13	6,175.13	6,175.13	29.35	123.82	-13.64	-5,394.86	6,535.19	7,408.57	7,261.11	147.46	50.242		
6,500.00	6,376.59	6,272.59	6,272.59	29.88	125.78	-13.68	-5,394.86	6,535.19	7,386.80	7,236.99	149.81	49.307		
6,600.00	6,474.06	6,370.06	6,370.06	30.40	127.74	-13.72	-5,394.86	6,535.19	7,365.04	7,212.87	152.17	48.401		
6,700.00	6,571.53	6,467.53	6,467.53	30.93	129.70	-13.76	-5,394.86	6,535.19	7,343.28	7,188.76	154.52	47.523		
6,800.00	6,668.99	6,564.99	6,564.99	31.45	131.66	-13.80	-5,394.86	6,535.19	7,321.52	7,164.64	156.88	46.671		
6,887.36	6,754.14	6,650.14	6,650.14	31.91	133.38	-13.84	-5,394.86	6,535.19	7,302.52	7,143.58	158.93	45.947		
6,900.00	6,766.46	6,662.46	6,662.46	31.98	133.62	-13.83	-5,394.86	6,535.19	7,299.79	7,140.56	159.23	45.844		
7,000.00	6,864.39	6,760.39	6,760.39	32.48	135.59	-13.78	-5,394.86	6,535.19	7,280.12	7,118.53	161.59	45.053		
7,100.00	6,962.96	6,858.96	6,858.96	32.94	137.58	-13.73	-5,394.86	6,535.19	7,263.79	7,099.83	163.95	44.304		
7,200.00	7,062.06	6,958.06	6,958.06	33.36	139.57	-13.69	-5,394.86	6,535.19	7,250.81	7,084.49	166.32	43.596		
7,300.00	7,161.57	7,057.57	7,057.57	33.74	141.57	-13.66	-5,394.86	6,535.19	7,241.20	7,072.52	168.68	42.929		
7,400.00	7,261.36	7,157.36	7,157.36	34.08	143.58	-13.65	-5,394.86	6,535.19	7,234.97	7,063.94	171.04	42.301		
7,500.00	7,361.31	7,257.31	7,257.31	34.39	145.59	-13.64	-5,394.86	6,535.19	7,232.13	7,058.75	173.38	41.711		
7,533.69	7,395.00	7,309.00	7,291.00	34.48	146.63	127.51	-5,394.86	6,535.19	7,231.94	7,057.41	174.53	41.436		
7,600.00	7,461.31	7,357.31	7,357.31	34.65	147.60	127.51	-5,394.86	6,535.19	7,231.94	7,056.24	175.71	41.160		
7,633.69	7,495.00	7,409.00	7,391.00	34.73	148.64	127.51	-5,394.86	6,535.19	7,231.94	7,055.09	176.85	40.894		
7,650.00	7,511.31	7,407.31	7,407.31	34.78	148.60	-52.16	-5,394.86	6,535.19	7,231.80	7,054.93	176.87	40.889		
7,700.00	7,561.16	7,457.16	7,457.16	34.94	149.61	-52.36	-5,394.86	6,535.19	7,229.59	7,051.54	178.05	40.605		
7,750.00	7,610.51	7,506.51	7,506.51	35.14	150.60	-52.80	-5,394.86	6,535.19	7,224.73	7,045.49	179.24	40.308		
7,800.00	7,658.98	7,554.98	7,554.98	35.37	151.57	-53.48	-5,394.86	6,535.19	7,217.26	7,036.83	180.43	40.001		
7,850.00	7,706.21	7,602.21	7,602.21	35.64	152.52	-54.41	-5,394.86	6,535.19	7,207.26	7,025.65	181.61	39.686		
7,900.00	7,751.82	7,647.82	7,647.82	35.93	153.44	-55.58	-5,394.86	6,535.19	7,194.81	7,012.04	182.77	39.366		
7,950.00	7,795.49	7,708.51	7,691.49	36.26	154.66	-57.02	-5,394.86	6,535.19	7,180.03	6,995.79	184.25	38.970		
8,000.00	7,836.86	7,732.86	7,732.86	36.62	155.15	-58.71	-5,394.86	6,535.19	7,163.07	6,978.06	185.01	38.718		
8,050.00	7,875.64	7,771.64	7,771.64	37.00	155.93	-60.67	-5,394.86	6,535.19	7,144.07	6,958.00	186.07	38.395		
8,100.00	7,911.52	7,807.52	7,807.52	37.42	156.65	-62.88	-5,394.86	6,535.19	7,123.21	6,936.13	187.09	38.074		
8,150.00	7,944.22	7,840.22	7,840.22	37.86	157.31	-65.36	-5,394.86	6,535.19	7,100.68	6,912.63	188.05	37.759		
8,200.00	7,973.51	7,869.51	7,869.51	38.32	157.90	-68.07	-5,394.86	6,535.19	7,076.69	6,887.73	188.96	37.450		
8,250.00	7,999.16	7,904.84	7,895.16	38.81	158.61	-71.00	-5,394.86	6,535.19	7,051.43	6,861.43	190.00	37.112		
8,300.00	8,020.98	7,916.98	7,916.98	39.31	158.85	-74.13	-5,394.86	6,535.19	7,025.14	6,834.55	190.59	36.860		
8,350.00	8,038.79	7,934.79	7,934.79	39.84	159.21	-77.41	-5,394.86	6,535.19	6,998.04	6,806.74	191.30	36.581		
8,400.00	8,052.46	7,948.46	7,948.46	40.38	159.49	-80.80	-5,394.86	6,535.19	6,970.36	6,778.42	191.94	36.314		
8,450.00	8,061.89	7,957.89	7,957.89	40.93	159.68	-84.25	-5,394.86	6,535.19	6,942.33	6,749.82	192.51	36.062		
8,500.00	8,067.01	7,963.01	7,963.01	41.49	159.78	-87.70	-5,394.86	6,535.19	6,914.18	6,721.18	193.00	35.826		
8,533.77	8,068.00	7,964.00	7,964.00	41.88	159.80	-90.00	-5,394.86	6,535.19	6,895.20	6,701.93	193.28	35.675		
8,600.00	8,068.00	7,964.00	7,964.00	42.64	159.80	-90.00	-5,394.86	6,535.19	6,858.30	6,664.49	193.82	35.385		
8,700.00	8,068.00	7,964.00	7,964.00	43.82	159.80	-90.00	-5,394.86	6,535.19	6,803.43	6,608.73	194.70	34.943		
8,800.00	8,068.00	7,964.00	7,964.00	45.04	159.80	-90.00	-5,394.86	6,535.19	6,749.60	6,553.92	195.67	34.495		
8,900.00	8,067.99	7,963.99	7,963.99	46.30	159.80	-90.00	-5,394.86	6,535.19	6,696.82	6,500.10	196.72	34.042		

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



# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,000.00	8,067.99	7,963.99	7,963.99	47.59	159.80	-90.00	-5,394.86	6,535.19	6,645.13	6,447.28	197.85	33.587		
9,100.00	8,067.99	7,963.99	7,963.99	48.91	159.80	-90.00	-5,394.86	6,535.19	6,594.55	6,395.50	199.05	33.130		
9,200.00	8,067.99	7,963.99	7,963.99	50.26	159.80	-90.00	-5,394.86	6,535.19	6,545.11	6,344.78	200.32	32.673		
9,300.00	8,067.99	7,963.99	7,963.99	51.63	159.80	-90.00	-5,394.86	6,535.19	6,496.83	6,295.16	201.66	32.216		
9,400.00	8,067.99	7,963.99	7,963.99	53.03	159.80	-90.00	-5,394.86	6,535.19	6,449.74	6,246.67	203.07	31.762		
9,500.00	8,067.98	7,963.98	7,963.98	54.44	159.80	-90.00	-5,394.86	6,535.19	6,403.86	6,199.33	204.53	31.310		
9,600.00	8,067.98	7,963.98	7,963.98	55.88	159.80	-90.00	-5,394.86	6,535.19	6,359.23	6,153.17	206.05	30.862		
9,700.00	8,067.98	7,963.98	7,963.98	57.34	159.80	-90.00	-5,394.86	6,535.19	6,315.86	6,108.23	207.63	30.419		
9,800.00	8,067.98	7,963.98	7,963.98	58.81	159.80	-90.00	-5,394.86	6,535.19	6,273.79	6,064.53	209.26	29.982		
9,900.00	8,067.98	7,963.98	7,963.98	60.31	159.80	-90.00	-5,394.86	6,535.19	6,233.04	6,022.11	210.93	29.550		
10,000.00	8,067.98	7,963.98	7,963.98	61.81	159.80	-90.00	-5,394.86	6,535.19	6,193.63	5,980.99	212.65	29.126		
10,100.00	8,067.98	7,963.98	7,963.98	63.33	159.80	-90.00	-5,394.86	6,535.19	6,155.60	5,941.20	214.41	28.710		
10,200.00	8,067.97	7,963.97	7,963.97	64.86	159.80	-90.00	-5,394.86	6,535.19	6,118.97	5,902.76	216.20	28.302		
10,300.00	8,067.97	7,963.97	7,963.97	66.41	159.80	-90.00	-5,394.86	6,535.19	6,083.76	5,865.72	218.04	27.903		
10,400.00	8,067.97	7,963.97	7,963.97	67.96	159.80	-90.00	-5,394.86	6,535.19	6,049.99	5,830.09	219.90	27.512		
10,500.00	8,067.97	7,963.97	7,963.97	69.53	159.80	-90.00	-5,394.86	6,535.19	6,017.70	5,795.91	221.79	27.132		
10,600.00	8,067.97	7,963.97	7,963.97	71.10	159.80	-90.00	-5,394.86	6,535.19	5,986.91	5,763.20	223.71	26.762		
10,700.00	8,067.97	7,963.97	7,963.97	72.69	159.80	-90.00	-5,394.86	6,535.19	5,957.64	5,731.98	225.66	26.401		
10,800.00	8,067.97	7,963.97	7,963.97	74.28	159.80	-90.00	-5,394.86	6,535.19	5,929.90	5,702.28	227.62	26.052		
10,900.00	8,067.97	7,963.97	7,963.97	75.88	159.80	-90.00	-5,394.86	6,535.19	5,903.73	5,674.13	229.60	25.713		
11,000.00	8,067.97	7,963.97	7,963.97	77.49	159.80	-90.00	-5,394.86	6,535.19	5,879.15	5,647.55	231.60	25.385		
11,100.00	8,067.97	7,963.97	7,963.97	79.10	159.80	-90.00	-5,394.86	6,535.19	5,856.17	5,622.56	233.60	25.069		
11,200.00	8,067.96	7,963.96	7,963.96	80.73	159.80	-90.00	-5,394.86	6,535.19	5,834.81	5,599.19	235.62	24.764		
11,300.00	8,067.96	7,963.96	7,963.96	82.35	159.80	-90.00	-5,394.86	6,535.19	5,815.10	5,577.45	237.64	24.470		
11,400.00	8,067.96	7,963.96	7,963.96	83.99	159.80	-90.00	-5,394.86	6,535.19	5,797.04	5,557.37	239.67	24.187		
11,500.00	8,067.96	7,963.96	7,963.96	85.63	159.80	-90.00	-5,394.86	6,535.19	5,780.66	5,538.96	241.70	23.917		
11,600.00	8,067.96	7,963.96	7,963.96	87.27	159.80	-90.00	-5,394.86	6,535.19	5,765.96	5,522.24	243.73	23.658		
11,700.00	8,067.96	7,963.96	7,963.96	88.92	159.80	-90.00	-5,394.86	6,535.19	5,752.97	5,507.22	245.75	23.410		
11,800.00	8,067.96	7,963.96	7,963.96	90.58	159.80	-90.00	-5,394.86	6,535.19	5,741.68	5,493.92	247.76	23.174		
11,900.00	8,067.96	7,963.96	7,963.96	92.23	159.80	-90.00	-5,394.86	6,535.19	5,732.13	5,482.36	249.77	22.950		
12,000.00	8,067.96	7,963.96	7,963.96	93.90	159.80	-90.00	-5,394.86	6,535.19	5,724.30	5,472.54	251.76	22.737		
12,100.00	8,067.96	7,963.96	7,963.96	95.56	159.80	-90.00	-5,394.86	6,535.19	5,718.21	5,464.47	253.73	22.536		
12,200.00	8,067.96	7,963.96	7,963.96	97.23	159.80	-90.00	-5,394.86	6,535.19	5,713.86	5,458.17	255.69	22.346		
12,300.00	8,067.96	7,963.96	7,963.96	98.91	159.80	-90.00	-5,394.86	6,535.19	5,711.26	5,453.63	257.64	22.168		
12,398.45	8,067.96	7,963.96	7,963.96	100.56	159.80	-90.00	-5,394.86	6,535.19	5,710.41	5,450.89	259.52	22.003 CC		
12,400.00	8,067.96	7,963.96	7,963.96	100.59	159.80	-90.00	-5,394.86	6,535.19	5,710.41	5,450.86	259.55	22.001		
12,500.00	8,067.96	7,963.96	7,963.96	102.27	159.80	-90.00	-5,394.86	6,535.19	5,711.32	5,449.87	261.45	21.845 ES		
12,600.00	8,067.96	7,963.96	7,963.96	103.95	159.80	-90.00	-5,394.86	6,535.19	5,713.97	5,450.65	263.32	21.700		
12,700.00	8,067.96	7,963.96	7,963.96	105.64	159.80	-90.00	-5,394.86	6,535.19	5,718.37	5,453.21	265.16	21.566		
12,800.00	8,067.96	7,963.96	7,963.96	107.33	159.80	-90.00	-5,394.86	6,535.19	5,724.51	5,457.54	266.97	21.443		
12,900.00	8,067.96	7,963.96	7,963.96	109.02	159.80	-90.00	-5,394.86	6,535.19	5,732.39	5,463.64	268.75	21.330		
13,000.00	8,067.96	7,963.96	7,963.96	110.71	159.80	-90.00	-5,394.86	6,535.19	5,742.01	5,471.51	270.50	21.228		
13,100.00	8,067.96	7,963.96	7,963.96	112.41	159.80	-90.00	-5,394.86	6,535.19	5,753.34	5,481.13	272.21	21.136		
13,200.00	8,067.96	7,963.96	7,963.96	114.11	159.80	-90.00	-5,394.86	6,535.19	5,766.39	5,492.51	273.88	21.054		
13,300.00	8,067.96	7,963.96	7,963.96	115.81	159.80	-90.00	-5,394.86	6,535.19	5,781.14	5,505.61	275.52	20.982		
13,400.00	8,067.96	7,963.96	7,963.96	117.52	159.80	-90.00	-5,394.86	6,535.19	5,797.57	5,520.45	277.12	20.920		
13,500.00	8,067.96	7,963.96	7,963.96	119.22	159.80	-90.00	-5,394.86	6,535.19	5,815.68	5,537.00	278.69	20.868		
13,600.00	8,067.96	7,963.96	7,963.96	120.93	159.80	-90.00	-5,394.86	6,535.19	5,835.45	5,555.24	280.21	20.825		
13,700.00	8,067.96	7,963.96	7,963.96	122.64	159.80	-90.00	-5,394.86	6,535.19	5,856.85	5,575.17	281.69	20.792		
13,800.00	8,067.96	7,963.96	7,963.96	124.35	159.80	-90.00	-5,394.86	6,535.19	5,879.88	5,596.76	283.13	20.768		
13,900.00	8,067.96	7,963.96	7,963.96	126.06	159.80	-90.00	-5,394.86	6,535.19	5,904.52	5,619.99	284.53	20.752		
14,000.00	8,067.96	7,963.96	7,963.96	127.78	159.80	-90.00	-5,394.86	6,535.19	5,930.74	5,644.85	285.88	20.745 SF		

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



# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design      Sec 34-T1N-R68W - ABND VERT KATS B UNIT 1 - Wellbore #1 - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	8,067.96	7,963.96	7,963.96	129.50	159.80	-90.00	-5,394.86	6,535.19	5,958.52	5,671.32	287.20	20.747		
14,200.00	8,067.96	7,963.96	7,963.96	131.21	159.80	-90.00	-5,394.86	6,535.19	5,987.84	5,699.37	288.47	20.757		
14,300.00	8,067.96	7,963.96	7,963.96	132.93	159.80	-90.00	-5,394.86	6,535.19	6,018.68	5,728.98	289.70	20.776		
14,400.00	8,067.96	7,963.96	7,963.96	134.65	159.80	-90.00	-5,394.86	6,535.19	6,051.02	5,760.13	290.88	20.802		
14,500.00	8,067.96	7,963.96	7,963.96	136.38	159.80	-90.00	-5,394.86	6,535.19	6,084.82	5,792.79	292.03	20.836		
14,600.00	8,067.96	7,963.96	7,963.96	138.10	159.80	-90.00	-5,394.86	6,535.19	6,120.08	5,826.95	293.13	20.878		
14,700.00	8,067.96	7,963.96	7,963.96	139.82	159.80	-90.00	-5,394.86	6,535.19	6,156.76	5,862.56	294.19	20.927		
14,800.00	8,067.96	7,963.96	7,963.96	141.55	159.80	-90.00	-5,394.86	6,535.19	6,194.83	5,899.61	295.22	20.984		
14,900.00	8,067.96	7,963.96	7,963.96	143.28	159.80	-90.00	-5,394.86	6,535.19	6,234.28	5,938.08	296.20	21.048		
15,000.00	8,067.96	7,963.96	7,963.96	145.00	159.80	-90.00	-5,394.86	6,535.19	6,275.07	5,977.93	297.14	21.118		
15,100.00	8,067.96	7,963.96	7,963.96	146.73	159.80	-90.00	-5,394.86	6,535.19	6,317.18	6,019.14	298.04	21.195		
15,200.00	8,067.96	7,963.96	7,963.96	148.46	159.80	-90.00	-5,394.86	6,535.19	6,360.59	6,061.68	298.91	21.279		
15,300.00	8,067.96	7,963.96	7,963.96	150.19	159.80	-90.00	-5,394.86	6,535.19	6,405.26	6,105.52	299.74	21.370		
15,400.00	8,067.96	7,963.96	7,963.96	151.93	159.80	-90.00	-5,394.86	6,535.19	6,451.17	6,150.64	300.53	21.466		
15,500.00	8,067.96	7,963.96	7,963.96	153.66	159.80	-90.00	-5,394.86	6,535.19	6,498.30	6,197.02	301.28	21.569		
15,600.00	8,067.96	7,963.96	7,963.96	155.39	159.80	-90.00	-5,394.86	6,535.19	6,546.62	6,244.61	302.00	21.677		
15,700.00	8,067.97	7,963.97	7,963.97	157.13	159.80	-90.00	-5,394.86	6,535.19	6,596.09	6,293.40	302.69	21.791		
15,800.00	8,067.97	7,963.97	7,963.97	158.86	159.80	-90.00	-5,394.86	6,535.19	6,646.71	6,343.36	303.35	21.911		
15,900.00	8,067.97	7,963.97	7,963.97	160.60	159.80	-90.00	-5,394.86	6,535.19	6,698.43	6,394.46	303.97	22.037		
16,000.00	8,067.97	7,963.97	7,963.97	162.34	159.80	-90.00	-5,394.86	6,535.19	6,751.24	6,446.68	304.56	22.167		
16,100.00	8,067.97	7,963.97	7,963.97	164.08	159.80	-90.00	-5,394.86	6,535.19	6,805.11	6,499.99	305.12	22.303		
16,200.00	8,067.97	7,963.97	7,963.97	165.81	159.80	-90.00	-5,394.86	6,535.19	6,860.01	6,554.36	305.65	22.444		
16,300.00	8,067.97	7,963.97	7,963.97	167.55	159.80	-90.00	-5,394.86	6,535.19	6,915.93	6,609.78	306.15	22.590		
16,400.00	8,067.97	7,963.97	7,963.97	169.29	159.80	-90.00	-5,394.86	6,535.19	6,972.83	6,666.20	306.63	22.740		
16,500.00	8,067.97	7,963.97	7,963.97	171.04	159.80	-90.00	-5,394.86	6,535.19	7,030.69	6,723.61	307.08	22.895		
16,600.00	8,067.98	7,963.98	7,963.98	172.78	159.80	-90.00	-5,394.86	6,535.19	7,089.49	6,781.99	307.50	23.055		
16,700.00	8,067.98	7,963.98	7,963.98	174.52	159.80	-90.00	-5,394.86	6,535.19	7,149.21	6,841.30	307.90	23.219		
16,800.00	8,067.98	7,963.98	7,963.98	176.26	159.80	-90.00	-5,394.86	6,535.19	7,209.81	6,901.53	308.28	23.387		
16,900.00	8,067.98	7,963.98	7,963.98	178.01	159.80	-90.00	-5,394.86	6,535.19	7,271.29	6,962.66	308.63	23.560		
17,000.00	8,067.98	7,963.98	7,963.98	179.75	159.80	-90.00	-5,394.86	6,535.19	7,333.62	7,024.65	308.97	23.736		
17,100.00	8,067.98	7,963.98	7,963.98	181.49	159.80	-90.00	-5,394.86	6,535.19	7,396.77	7,087.49	309.28	23.916		
17,200.00	8,067.98	7,963.98	7,963.98	183.24	159.80	-90.00	-5,394.86	6,535.19	7,460.73	7,151.16	309.57	24.100		
17,300.00	8,067.99	7,963.99	7,963.99	184.99	159.80	-90.00	-5,394.86	6,535.19	7,525.47	7,215.63	309.84	24.288		
17,400.00	8,067.99	7,963.99	7,963.99	186.73	159.80	-90.00	-5,394.86	6,535.19	7,590.98	7,280.89	310.09	24.480		
17,500.00	8,067.99	7,963.99	7,963.99	188.48	159.80	-90.00	-5,394.86	6,535.19	7,657.23	7,346.91	310.33	24.675		
17,600.00	8,067.99	7,963.99	7,963.99	190.23	159.80	-90.00	-5,394.86	6,535.19	7,724.21	7,413.67	310.55	24.873		
17,700.00	8,067.99	7,963.99	7,963.99	191.97	159.80	-90.00	-5,394.86	6,535.19	7,791.90	7,481.15	310.75	25.075		
17,800.00	8,067.99	7,963.99	7,963.99	193.72	159.80	-90.00	-5,394.86	6,535.19	7,860.28	7,549.35	310.93	25.280		
17,900.00	8,068.00	7,964.00	7,964.00	195.47	159.80	-90.00	-5,394.86	6,535.19	7,929.33	7,618.22	311.11	25.488		
18,000.00	8,068.00	7,964.00	7,964.00	197.22	159.80	-90.00	-5,394.86	6,535.19	7,999.03	7,687.77	311.26	25.699		
18,100.00	8,068.00	7,964.00	7,964.00	198.97	159.80	-90.00	-5,394.86	6,535.19	8,069.37	7,757.96	311.41	25.913		
18,184.63	8,068.00	7,964.00	7,964.00	200.45	159.80	-90.00	-5,394.86	6,535.19	8,129.39	7,817.87	311.52	26.096		
18,185.16	8,068.00	7,964.00	7,964.00	200.47	159.80	-90.00	-5,394.86	6,535.19	8,129.76	7,817.65	312.11	26.048		

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
0.00	0.00	0.00	0.00	0.00	0.00	107.26	-1,737.78	5,593.09	5,857.20					
100.00	100.00	35.00	35.00	0.13	0.42	107.26	-1,737.78	5,593.09	5,856.84	5,856.29	0.55	N/A		
200.00	200.00	135.00	135.00	0.49	2.00	107.26	-1,737.78	5,593.09	5,856.84	5,854.35	2.49	2,349.787		
300.00	300.00	235.00	235.00	0.85	4.22	107.26	-1,737.78	5,593.09	5,856.84	5,851.77	5.07	1,155.958		
400.00	400.00	335.00	335.00	1.21	6.28	107.26	-1,737.78	5,593.09	5,856.84	5,849.35	7.49	781.871		
500.00	500.00	435.00	435.00	1.57	8.32	107.26	-1,737.78	5,593.09	5,856.84	5,846.95	9.89	592.386		
600.00	600.00	535.00	535.00	1.93	10.35	107.26	-1,737.78	5,593.09	5,856.84	5,844.57	12.27	477.245		
700.00	700.00	635.00	635.00	2.29	12.37	107.26	-1,737.78	5,593.09	5,856.84	5,842.19	14.65	399.724		
800.00	800.00	735.00	735.00	2.64	14.39	107.26	-1,737.78	5,593.09	5,856.84	5,839.81	17.03	343.929		
900.00	900.00	835.00	835.00	3.00	16.40	107.26	-1,737.78	5,593.09	5,856.84	5,837.44	19.40	301.831		
1,000.00	1,000.00	935.00	935.00	3.36	18.42	107.26	-1,737.78	5,593.09	5,856.84	5,835.06	21.78	268.931		
1,100.00	1,100.00	1,035.00	1,035.00	3.72	20.43	107.26	-1,737.78	5,593.09	5,856.84	5,832.69	24.15	242.507		
1,200.00	1,200.00	1,135.00	1,135.00	4.08	22.45	107.26	-1,737.78	5,593.09	5,856.84	5,830.32	26.52	220.817		
1,300.00	1,299.98	1,234.98	1,234.98	4.42	24.46	-33.91	-1,737.78	5,593.09	5,855.39	5,826.51	28.88	202.757		
1,400.00	1,399.84	1,334.84	1,334.84	4.75	26.47	-33.99	-1,737.78	5,593.09	5,851.05	5,819.83	31.22	187.416		
1,500.00	1,499.45	1,434.45	1,434.45	5.09	28.47	-34.12	-1,737.78	5,593.09	5,843.82	5,810.26	33.56	174.130		
1,600.00	1,598.70	1,533.70	1,533.70	5.44	30.47	-34.30	-1,737.78	5,593.09	5,833.72	5,797.82	35.90	162.506		
1,700.00	1,697.47	1,632.47	1,632.47	5.81	32.46	-34.54	-1,737.78	5,593.09	5,820.76	5,782.53	38.23	152.242		
1,800.00	1,795.62	1,730.62	1,730.62	6.19	34.43	-34.82	-1,737.78	5,593.09	5,804.98	5,764.41	40.56	143.104		
1,846.33	1,840.86	1,775.86	1,775.86	6.38	35.34	-34.98	-1,737.78	5,593.09	5,796.71	5,755.07	41.64	139.195		
1,900.00	1,893.17	1,828.17	1,828.17	6.60	36.40	-35.04	-1,737.78	5,593.09	5,786.80	5,743.90	42.89	134.912		
2,000.00	1,990.64	1,925.64	1,925.64	7.02	38.36	-35.17	-1,737.78	5,593.09	5,768.34	5,723.12	45.22	127.548		
2,100.00	2,088.10	2,023.10	2,023.10	7.46	40.32	-35.30	-1,737.78	5,593.09	5,749.92	5,702.35	47.56	120.886		
2,200.00	2,185.57	2,120.57	2,120.57	7.91	42.28	-35.43	-1,737.78	5,593.09	5,731.52	5,681.61	49.91	114.834		
2,300.00	2,283.03	2,218.03	2,218.03	8.37	44.24	-35.55	-1,737.78	5,593.09	5,713.15	5,660.88	52.26	109.314		
2,400.00	2,380.50	2,315.50	2,315.50	8.84	46.20	-35.68	-1,737.78	5,593.09	5,694.81	5,640.19	54.62	104.259		
2,500.00	2,477.97	2,412.96	2,412.96	9.32	48.16	-35.81	-1,737.78	5,593.09	5,676.49	5,619.51	56.98	99.616		
2,600.00	2,575.43	2,510.43	2,510.43	9.80	50.12	-35.95	-1,737.78	5,593.09	5,658.21	5,598.86	59.35	95.336		
2,700.00	2,672.90	2,607.90	2,607.90	10.28	52.08	-36.08	-1,737.78	5,593.09	5,639.96	5,578.24	61.72	91.379		
2,800.00	2,770.36	2,705.36	2,705.36	10.77	54.04	-36.21	-1,737.78	5,593.09	5,621.73	5,557.64	64.09	87.711		
2,900.00	2,867.83	2,802.83	2,802.83	11.26	56.00	-36.35	-1,737.78	5,593.09	5,603.54	5,537.07	66.47	84.301		
3,000.00	2,965.29	2,900.29	2,900.29	11.76	57.96	-36.48	-1,737.78	5,593.09	5,585.38	5,516.53	68.85	81.124		
3,100.00	3,062.76	3,002.24	2,997.76	12.26	60.01	-36.62	-1,737.78	5,593.09	5,567.24	5,495.92	71.32	78.058		
3,200.00	3,160.23	3,104.78	3,095.23	12.76	62.08	-36.75	-1,737.78	5,593.09	5,549.14	5,475.33	73.81	75.183		
3,300.00	3,257.69	3,207.31	3,192.69	13.27	64.14	-36.89	-1,737.78	5,593.09	5,531.07	5,454.77	76.30	72.494		
3,400.00	3,355.16	3,309.84	3,290.16	13.77	66.20	-37.03	-1,737.78	5,593.09	5,513.03	5,434.24	78.79	69.973		
3,500.00	3,452.62	3,387.62	3,387.62	14.28	67.76	-37.17	-1,737.78	5,593.09	5,495.02	5,414.24	80.78	68.023		
3,600.00	3,550.09	3,485.09	3,485.09	14.79	69.72	-37.31	-1,737.78	5,593.09	5,477.05	5,393.87	83.17	65.850		
3,700.00	3,647.55	3,582.55	3,582.55	15.30	71.68	-37.45	-1,737.78	5,593.09	5,459.10	5,373.54	85.57	63.798		
3,800.00	3,745.02	3,680.02	3,680.02	15.81	73.65	-37.59	-1,737.78	5,593.09	5,441.19	5,353.23	87.96	61.857		
3,900.00	3,842.49	3,777.49	3,777.49	16.32	75.61	-37.73	-1,737.78	5,593.09	5,423.32	5,332.96	90.36	60.018		
4,000.00	3,939.95	3,874.95	3,874.95	16.84	77.57	-37.88	-1,737.78	5,593.09	5,405.47	5,312.71	92.76	58.273		
4,100.00	4,037.42	3,972.42	3,972.42	17.35	79.53	-38.02	-1,737.78	5,593.09	5,387.66	5,292.50	95.16	56.616		
4,200.00	4,134.88	4,069.88	4,069.88	17.87	81.49	-38.17	-1,737.78	5,593.09	5,369.89	5,272.33	97.56	55.040		
4,300.00	4,232.35	4,167.35	4,167.35	18.39	83.45	-38.31	-1,737.78	5,593.09	5,352.15	5,252.18	99.97	53.539		
4,400.00	4,329.81	4,264.81	4,264.81	18.90	85.41	-38.46	-1,737.78	5,593.09	5,334.44	5,232.07	102.37	52.108		
4,500.00	4,427.28	4,362.28	4,362.28	19.42	87.37	-38.61	-1,737.78	5,593.09	5,316.77	5,211.99	104.78	50.743		
4,600.00	4,524.75	4,459.75	4,459.75	19.94	89.33	-38.76	-1,737.78	5,593.09	5,299.14	5,191.95	107.19	49.439		
4,700.00	4,622.21	4,557.21	4,557.21	20.46	91.29	-38.91	-1,737.78	5,593.09	5,281.54	5,171.94	109.59	48.192		
4,800.00	4,719.68	4,654.68	4,654.68	20.98	93.25	-39.06	-1,737.78	5,593.09	5,263.97	5,151.97	112.00	46.998		
4,900.00	4,817.14	4,752.14	4,752.14	21.50	95.21	-39.21	-1,737.78	5,593.09	5,246.45	5,132.03	114.42	45.854		
5,000.00	4,914.61	4,849.61	4,849.61	22.02	97.17	-39.37	-1,737.78	5,593.09	5,228.96	5,112.13	116.83	44.758		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
5,100.00	5,012.07	4,947.07	4,947.07	22.54	99.13	-39.52	-1,737.78	5,593.09	5,211.50	5,092.26	119.24	43.705		
5,200.00	5,109.54	5,044.54	5,044.54	23.06	101.09	-39.68	-1,737.78	5,593.09	5,194.09	5,072.43	121.66	42.695		
5,300.00	5,207.01	5,142.01	5,142.01	23.59	103.04	-39.83	-1,737.78	5,593.09	5,176.71	5,052.64	124.07	41.724		
5,400.00	5,304.47	5,145.00	5,145.00	24.11	103.10	-39.84	-1,737.78	5,593.09	5,160.24	5,035.63	124.60	41.414		
5,500.00	5,401.94	5,145.00	5,145.00	24.63	103.10	-39.84	-1,737.78	5,593.09	5,145.65	5,020.62	125.04	41.153		
5,600.00	5,499.40	5,145.00	5,145.00	25.16	103.10	-39.84	-1,737.78	5,593.09	5,132.98	5,007.55	125.43	40.924		
5,700.00	5,596.87	5,145.00	5,145.00	25.68	103.10	-39.84	-1,737.78	5,593.09	5,122.22	4,996.45	125.77	40.725		
5,800.00	5,694.33	5,145.00	5,145.00	26.20	103.10	-39.84	-1,737.78	5,593.09	5,113.40	4,987.32	126.08	40.557		
5,900.00	5,791.80	5,145.00	5,145.00	26.73	103.10	-39.84	-1,737.78	5,593.09	5,106.52	4,980.19	126.34	40.420		
6,000.00	5,889.27	5,145.00	5,145.00	27.25	103.10	-39.84	-1,737.78	5,593.09	5,101.60	4,975.04	126.55	40.313		
6,100.00	5,986.73	5,145.00	5,145.00	27.78	103.10	-39.84	-1,737.78	5,593.09	5,098.63	4,971.91	126.72	40.236		
6,200.00	6,084.20	5,145.00	5,145.00	28.30	103.10	-39.84	-1,737.78	5,593.09	5,097.62	4,970.78	126.84	40.190		
6,201.48	6,085.63	5,145.00	5,145.00	28.31	103.10	-39.84	-1,737.78	5,593.09	5,097.62	4,970.77	126.84	40.189 CC, ES		
6,300.00	6,181.66	5,145.00	5,145.00	28.82	103.10	-39.84	-1,737.78	5,593.09	5,098.57	4,971.65	126.91	40.173		
6,400.00	6,279.13	5,145.00	5,145.00	29.35	103.10	-39.84	-1,737.78	5,593.09	5,101.48	4,974.54	126.94	40.187		
6,500.00	6,376.59	5,145.00	5,145.00	29.88	103.10	-39.84	-1,737.78	5,593.09	5,106.35	4,979.42	126.93	40.231		
6,600.00	6,474.06	5,145.00	5,145.00	30.40	103.10	-39.84	-1,737.78	5,593.09	5,113.17	4,986.31	126.86	40.305		
6,700.00	6,571.53	5,145.00	5,145.00	30.93	103.10	-39.84	-1,737.78	5,593.09	5,121.93	4,995.18	126.75	40.408		
6,800.00	6,668.99	5,145.00	5,145.00	31.45	103.10	-39.84	-1,737.78	5,593.09	5,132.63	5,006.03	126.60	40.541		
6,887.36	6,754.14	5,145.00	5,145.00	31.91	103.10	-39.84	-1,737.78	5,593.09	5,143.55	5,017.12	126.43	40.682		
6,900.00	6,766.46	5,145.00	5,145.00	31.98	103.10	-39.86	-1,737.78	5,593.09	5,145.27	5,018.87	126.41	40.704		
7,000.00	6,864.39	5,145.00	5,145.00	32.48	103.10	-40.07	-1,737.78	5,593.09	5,161.46	5,035.30	126.15	40.914		
7,100.00	6,962.96	5,145.00	5,145.00	32.94	103.10	-40.34	-1,737.78	5,593.09	5,182.13	5,056.30	125.83	41.183		
7,200.00	7,062.06	5,145.00	5,145.00	33.36	103.10	-40.68	-1,737.78	5,593.09	5,207.23	5,081.77	125.45	41.508		
7,300.00	7,161.57	5,145.00	5,145.00	33.74	103.10	-41.08	-1,737.78	5,593.09	5,236.64	5,111.63	125.01	41.889		
7,400.00	7,261.36	5,145.00	5,145.00	34.08	103.10	-41.56	-1,737.78	5,593.09	5,270.28	5,145.76	124.52	42.324		
7,500.00	7,361.31	5,145.00	5,145.00	34.39	103.10	-42.10	-1,737.78	5,593.09	5,308.00	5,184.02	123.98	42.813		
7,533.69	7,395.00	5,145.00	5,145.00	34.48	103.10	98.85	-1,737.78	5,593.09	5,321.61	5,197.83	123.79	42.990		
7,600.00	7,461.31	5,145.00	5,145.00	34.65	103.10	98.85	-1,737.78	5,593.09	5,349.18	5,225.80	123.39	43.354		
7,633.69	7,495.00	5,145.00	5,145.00	34.73	103.10	98.85	-1,737.78	5,593.09	5,363.45	5,240.27	123.18	43.543		
7,650.00	7,511.31	5,145.00	5,145.00	34.78	103.10	-80.06	-1,737.78	5,593.09	5,370.38	5,247.30	123.08	43.634		
7,700.00	7,561.16	5,145.00	5,145.00	34.94	103.10	-77.78	-1,737.78	5,593.09	5,391.42	5,268.62	122.80	43.904		
7,750.00	7,610.51	5,145.00	5,145.00	35.14	103.10	-75.58	-1,737.78	5,593.09	5,412.00	5,289.44	122.55	44.160		
7,800.00	7,658.98	5,145.00	5,145.00	35.37	103.10	-73.48	-1,737.78	5,593.09	5,431.97	5,309.63	122.34	44.400		
7,850.00	7,706.21	5,145.00	5,145.00	35.64	103.10	-71.50	-1,737.78	5,593.09	5,451.19	5,329.03	122.16	44.622		
7,900.00	7,751.82	5,145.00	5,145.00	35.93	103.10	-69.64	-1,737.78	5,593.09	5,469.53	5,347.50	122.03	44.822		
7,950.00	7,795.49	5,145.00	5,145.00	36.26	103.10	-67.92	-1,737.78	5,593.09	5,486.84	5,364.91	121.93	44.998		
8,000.00	7,836.86	5,145.00	5,145.00	36.62	103.10	-66.34	-1,737.78	5,593.09	5,503.02	5,381.13	121.89	45.149		
8,050.00	7,875.64	5,145.00	5,145.00	37.00	103.10	-64.92	-1,737.78	5,593.09	5,517.94	5,396.05	121.89	45.271		
8,100.00	7,911.52	5,145.00	5,145.00	37.42	103.10	-63.65	-1,737.78	5,593.09	5,531.51	5,409.57	121.94	45.362		
8,150.00	7,944.22	5,145.00	5,145.00	37.86	103.10	-62.54	-1,737.78	5,593.09	5,543.63	5,421.58	122.05	45.422		
8,200.00	7,973.51	5,145.00	5,145.00	38.32	103.10	-61.58	-1,737.78	5,593.09	5,554.21	5,432.00	122.21	45.448		
8,250.00	7,999.16	5,145.00	5,145.00	38.81	103.10	-60.78	-1,737.78	5,593.09	5,563.20	5,440.77	122.43	45.440		
8,300.00	8,020.98	5,145.00	5,145.00	39.31	103.10	-60.13	-1,737.78	5,593.09	5,570.52	5,447.81	122.71	45.396		
8,350.00	8,038.79	5,145.00	5,145.00	39.84	103.10	-59.65	-1,737.78	5,593.09	5,576.13	5,453.09	123.05	45.317		
8,400.00	8,052.46	5,145.00	5,145.00	40.38	103.10	-59.31	-1,737.78	5,593.09	5,579.99	5,456.55	123.44	45.204		
8,450.00	8,061.89	5,145.00	5,145.00	40.93	103.10	-59.13	-1,737.78	5,593.09	5,582.08	5,458.19	123.89	45.057		
8,500.00	8,067.01	5,145.00	5,145.00	41.49	103.10	-59.11	-1,737.78	5,593.09	5,582.37	5,457.98	124.39	44.877		
8,533.77	8,068.00	5,145.00	5,145.00	41.88	103.10	-59.18	-1,737.78	5,593.09	5,581.56	5,456.80	124.76	44.738		
8,600.00	8,068.00	5,145.00	5,145.00	42.64	103.10	-59.18	-1,737.78	5,593.09	5,579.56	5,454.04	125.52	44.452		
8,700.00	8,068.00	5,145.00	5,145.00	43.82	103.10	-59.18	-1,737.78	5,593.09	5,578.02	5,451.31	126.71	44.022		
8,735.71	8,068.00	5,145.00	5,145.00	44.25	103.10	-59.18	-1,737.78	5,593.09	5,577.91	5,450.75	127.15	43.868		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,800.00	8,068.00	5,145.00	5,145.00	45.04	103.10	-59.18	-1,737.78	5,593.09	5,578.28	5,450.33	127.95	43.597		
8,900.00	8,067.99	5,145.00	5,145.00	46.30	103.10	-59.18	-1,737.78	5,593.09	5,580.32	5,451.09	129.24	43.180		
9,000.00	8,067.99	5,145.00	5,145.00	47.59	103.10	-59.18	-1,737.78	5,593.09	5,584.16	5,453.61	130.56	42.772		
9,100.00	8,067.99	5,145.00	5,145.00	48.91	103.10	-59.18	-1,737.78	5,593.09	5,589.79	5,457.88	131.91	42.375		
9,200.00	8,067.99	5,145.00	5,145.00	50.26	103.10	-59.18	-1,737.78	5,593.09	5,597.20	5,463.90	133.30	41.991		
9,300.00	8,067.99	5,145.00	5,145.00	51.63	103.10	-59.18	-1,737.78	5,593.09	5,606.38	5,471.67	134.70	41.621		
9,400.00	8,067.99	5,145.00	5,145.00	53.03	103.10	-59.18	-1,737.78	5,593.09	5,617.32	5,481.19	136.13	41.265		
9,500.00	8,067.98	5,145.00	5,145.00	54.44	103.10	-59.18	-1,737.78	5,593.09	5,630.02	5,492.46	137.57	40.926		
9,600.00	8,067.98	5,145.00	5,145.00	55.88	103.10	-59.18	-1,737.78	5,593.09	5,644.47	5,505.45	139.02	40.602		
9,700.00	8,067.98	5,145.00	5,145.00	57.34	103.10	-59.18	-1,737.78	5,593.09	5,660.64	5,520.16	140.48	40.296		
9,800.00	8,067.98	5,145.00	5,145.00	58.81	103.10	-59.18	-1,737.78	5,593.09	5,678.53	5,536.59	141.94	40.006		
9,900.00	8,067.98	5,145.00	5,145.00	60.31	103.10	-59.18	-1,737.78	5,593.09	5,698.12	5,554.71	143.40	39.734		
10,000.00	8,067.98	5,145.00	5,145.00	61.81	103.10	-59.18	-1,737.78	5,593.09	5,719.39	5,574.52	144.87	39.480		
10,100.00	8,067.98	5,145.00	5,145.00	63.33	103.10	-59.18	-1,737.78	5,593.09	5,742.32	5,595.99	146.33	39.243		
10,200.00	8,067.97	5,145.00	5,145.00	64.86	103.10	-59.18	-1,737.78	5,593.09	5,766.90	5,619.12	147.78	39.024		
10,300.00	8,067.97	5,145.00	5,145.00	66.41	103.10	-59.18	-1,737.78	5,593.09	5,793.10	5,643.87	149.22	38.822		
10,400.00	8,067.97	5,145.00	5,145.00	67.96	103.10	-59.18	-1,737.78	5,593.09	5,820.89	5,670.24	150.66	38.637		
10,500.00	8,067.97	5,145.00	5,145.00	69.53	103.10	-59.18	-1,737.78	5,593.09	5,850.27	5,698.19	152.08	38.469		
10,600.00	8,067.97	5,145.00	5,145.00	71.10	103.10	-59.18	-1,737.78	5,593.09	5,881.20	5,727.72	153.48	38.318		
10,700.00	8,067.97	5,145.00	5,145.00	72.69	103.10	-59.18	-1,737.78	5,593.09	5,913.66	5,758.78	154.87	38.184		
10,800.00	8,067.97	5,145.00	5,145.00	74.28	103.10	-59.18	-1,737.78	5,593.09	5,947.62	5,791.37	156.25	38.066		
10,900.00	8,067.97	5,145.00	5,145.00	75.88	103.10	-59.18	-1,737.78	5,593.09	5,983.06	5,825.46	157.60	37.964		
11,000.00	8,067.97	5,145.00	5,145.00	77.49	103.10	-59.18	-1,737.78	5,593.09	6,019.96	5,861.02	158.93	37.877		
11,100.00	8,067.97	5,145.00	5,145.00	79.10	103.10	-59.18	-1,737.78	5,593.09	6,058.28	5,898.03	160.25	37.806		
11,200.00	8,067.96	5,145.00	5,145.00	80.73	103.10	-59.18	-1,737.78	5,593.09	6,098.00	5,936.46	161.54	37.749		
11,300.00	8,067.96	5,145.00	5,145.00	82.35	103.10	-59.18	-1,737.78	5,593.09	6,139.09	5,976.28	162.81	37.707		
11,400.00	8,067.96	5,145.00	5,145.00	83.99	103.10	-59.18	-1,737.78	5,593.09	6,181.52	6,017.47	164.06	37.679		
11,500.00	8,067.96	5,145.00	5,145.00	85.63	103.10	-59.18	-1,737.78	5,593.09	6,225.28	6,060.00	165.28	37.665		
11,600.00	8,067.96	5,145.00	5,145.00	87.27	103.10	-59.18	-1,737.78	5,593.09	6,270.32	6,103.84	166.48	37.664 SF		
11,700.00	8,067.96	5,145.00	5,145.00	88.92	103.10	-59.18	-1,737.78	5,593.09	6,316.63	6,148.97	167.65	37.677		
11,800.00	8,067.96	5,145.00	5,145.00	90.58	103.10	-59.18	-1,737.78	5,593.09	6,364.16	6,195.36	168.80	37.702		
11,900.00	8,067.96	5,145.00	5,145.00	92.23	103.10	-59.18	-1,737.78	5,593.09	6,412.91	6,242.98	169.93	37.739		
12,000.00	8,067.96	5,145.00	5,145.00	93.90	103.10	-59.18	-1,737.78	5,593.09	6,462.84	6,291.81	171.03	37.788		
12,100.00	8,067.96	5,145.00	5,145.00	95.56	103.10	-59.18	-1,737.78	5,593.09	6,513.92	6,341.81	172.11	37.848		
12,200.00	8,067.96	5,145.00	5,145.00	97.23	103.10	-59.18	-1,737.78	5,593.09	6,566.12	6,392.96	173.16	37.920		
12,300.00	8,067.96	5,145.00	5,145.00	98.91	103.10	-59.18	-1,737.78	5,593.09	6,619.42	6,445.24	174.18	38.003		
12,400.00	8,067.96	5,145.00	5,145.00	100.59	103.10	-59.18	-1,737.78	5,593.09	6,673.80	6,498.62	175.18	38.096		
12,500.00	8,067.96	5,145.00	5,145.00	102.27	103.10	-59.18	-1,737.78	5,593.09	6,729.22	6,553.06	176.16	38.199		
12,600.00	8,067.96	5,145.00	5,145.00	103.95	103.10	-59.18	-1,737.78	5,593.09	6,785.67	6,608.55	177.11	38.313		
12,700.00	8,067.96	5,145.00	5,145.00	105.64	103.10	-59.18	-1,737.78	5,593.09	6,843.11	6,665.07	178.04	38.436		
12,800.00	8,067.96	5,145.00	5,145.00	107.33	103.10	-59.18	-1,737.78	5,593.09	6,901.52	6,722.57	178.95	38.568		
12,900.00	8,067.96	5,145.00	5,145.00	109.02	103.10	-59.18	-1,737.78	5,593.09	6,960.87	6,781.05	179.83	38.709		
13,000.00	8,067.96	5,145.00	5,145.00	110.71	103.10	-59.18	-1,737.78	5,593.09	7,021.15	6,840.47	180.68	38.859		
13,100.00	8,067.96	5,145.00	5,145.00	112.41	103.10	-59.18	-1,737.78	5,593.09	7,082.33	6,900.81	181.52	39.017		
13,200.00	8,067.96	5,145.00	5,145.00	114.11	103.10	-59.18	-1,737.78	5,593.09	7,144.39	6,962.05	182.33	39.183		
13,300.00	8,067.96	5,145.00	5,145.00	115.81	103.10	-59.18	-1,737.78	5,593.09	7,207.29	7,024.17	183.13	39.357		
13,400.00	8,067.96	5,145.00	5,145.00	117.52	103.10	-59.18	-1,737.78	5,593.09	7,271.03	7,087.14	183.90	39.539		
13,500.00	8,067.96	5,145.00	5,145.00	119.22	103.10	-59.18	-1,737.78	5,593.09	7,335.58	7,150.94	184.64	39.728		
13,600.00	8,067.96	5,145.00	5,145.00	120.93	103.10	-59.18	-1,737.78	5,593.09	7,400.92	7,215.54	185.37	39.924		
13,700.00	8,067.96	5,145.00	5,145.00	122.64	103.10	-59.18	-1,737.78	5,593.09	7,467.02	7,280.94	186.08	40.128		
13,800.00	8,067.96	5,145.00	5,145.00	124.35	103.10	-59.18	-1,737.78	5,593.09	7,533.87	7,347.10	186.77	40.338		
13,900.00	8,067.96	5,145.00	5,145.00	126.06	103.10	-59.18	-1,737.78	5,593.09	7,601.45	7,414.01	187.44	40.554		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,000.00	8,067.96	5,145.00	5,145.00	127.78	103.10	-59.18	-1,737.78	5,593.09	7,669.74	7,481.65	188.09	40.777		
14,100.00	8,067.96	5,145.00	5,145.00	129.50	103.10	-59.18	-1,737.78	5,593.09	7,738.71	7,549.99	188.72	41.005		
14,200.00	8,067.96	5,145.00	5,145.00	131.21	103.10	-59.18	-1,737.78	5,593.09	7,808.36	7,619.02	189.34	41.240		
14,300.00	8,067.96	5,145.00	5,145.00	132.93	103.10	-59.18	-1,737.78	5,593.09	7,878.66	7,688.73	189.94	41.480		
14,400.00	8,067.96	5,145.00	5,145.00	134.65	103.10	-59.18	-1,737.78	5,593.09	7,949.60	7,759.08	190.52	41.726		
14,500.00	8,067.96	5,145.00	5,145.00	136.38	103.10	-59.18	-1,737.78	5,593.09	8,021.16	7,830.08	191.08	41.977		
14,600.00	8,067.96	5,145.00	5,145.00	138.10	103.10	-59.18	-1,737.78	5,593.09	8,093.32	7,901.69	191.63	42.234		
14,700.00	8,067.96	5,145.00	5,145.00	139.82	103.10	-59.18	-1,737.78	5,593.09	8,166.07	7,973.90	192.17	42.495		
14,800.00	8,067.96	5,145.00	5,145.00	141.55	103.10	-59.18	-1,737.78	5,593.09	8,239.38	8,046.70	192.68	42.761		
14,900.00	8,067.96	5,145.00	5,145.00	143.28	103.10	-59.18	-1,737.78	5,593.09	8,313.26	8,120.07	193.19	43.032		
15,000.00	8,067.96	5,145.00	5,145.00	145.00	103.10	-59.18	-1,737.78	5,593.09	8,387.67	8,194.00	193.68	43.307		
15,100.00	8,067.96	5,145.00	5,145.00	146.73	103.10	-59.18	-1,737.78	5,593.09	8,462.62	8,268.46	194.15	43.587		
15,200.00	8,067.96	5,145.00	5,145.00	148.46	103.10	-59.18	-1,737.78	5,593.09	8,538.07	8,343.46	194.62	43.871		
15,300.00	8,067.96	5,145.00	5,145.00	150.19	103.10	-59.18	-1,737.78	5,593.09	8,614.03	8,418.96	195.07	44.159		
15,400.00	8,067.96	5,145.00	5,145.00	151.93	103.10	-59.18	-1,737.78	5,593.09	8,690.47	8,494.97	195.50	44.452		
15,500.00	8,067.96	5,145.00	5,145.00	153.66	103.10	-59.18	-1,737.78	5,593.09	8,767.39	8,571.46	195.93	44.748		
15,600.00	8,067.96	5,145.00	5,145.00	155.39	103.10	-59.18	-1,737.78	5,593.09	8,844.77	8,648.43	196.34	45.048		
15,700.00	8,067.97	5,145.00	5,145.00	157.13	103.10	-59.18	-1,737.78	5,593.09	8,922.60	8,725.85	196.74	45.351		
15,800.00	8,067.97	5,145.00	5,145.00	158.86	103.10	-59.18	-1,737.78	5,593.09	9,000.87	8,803.73	197.14	45.658		
15,900.00	8,067.97	5,145.00	5,145.00	160.60	103.10	-59.18	-1,737.78	5,593.09	9,079.56	8,882.04	197.52	45.969		
16,000.00	8,067.97	5,145.00	5,145.00	162.34	103.10	-59.18	-1,737.78	5,593.09	9,158.67	8,960.78	197.89	46.283		
16,100.00	8,067.97	5,145.00	5,145.00	164.08	103.10	-59.18	-1,737.78	5,593.09	9,238.18	9,039.94	198.25	46.600		
16,200.00	8,067.97	5,145.00	5,145.00	165.81	103.10	-59.18	-1,737.78	5,593.09	9,318.09	9,119.50	198.60	46.920		
16,300.00	8,067.97	5,145.00	5,145.00	167.55	103.10	-59.18	-1,737.78	5,593.09	9,398.39	9,199.45	198.94	47.243		
16,400.00	8,067.97	5,145.00	5,145.00	169.29	103.10	-59.18	-1,737.78	5,593.09	9,479.05	9,279.79	199.27	47.569		
16,500.00	8,067.97	5,145.00	5,145.00	171.04	103.10	-59.18	-1,737.78	5,593.09	9,560.09	9,360.50	199.59	47.899		
16,600.00	8,067.98	5,145.00	5,145.00	172.78	103.10	-59.18	-1,737.78	5,593.09	9,641.48	9,441.57	199.90	48.230		
16,700.00	8,067.98	5,145.00	5,145.00	174.52	103.10	-59.18	-1,737.78	5,593.09	9,723.21	9,523.00	200.21	48.565		
16,800.00	8,067.98	5,145.00	5,145.00	176.26	103.10	-59.18	-1,737.78	5,593.09	9,805.29	9,604.78	200.51	48.902		
16,900.00	8,067.98	5,145.00	5,145.00	178.01	103.10	-59.18	-1,737.78	5,593.09	9,887.69	9,686.90	200.80	49.242		
17,000.00	8,067.98	5,145.00	5,145.00	179.75	103.10	-59.18	-1,737.78	5,593.09	9,970.42	9,769.34	201.08	49.584		

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 89-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		
0.00	0.00	0.00	0.00	0.00	0.00	130.40	-3,970.24	4,664.98	6,126.32					
100.00	100.00	13.31	13.31	0.13	0.02	130.40	-3,970.24	4,664.99	6,125.76	6,125.61	0.15	N/A		
200.00	200.00	92.94	92.94	0.49	0.15	130.40	-3,970.08	4,665.37	6,126.00	6,125.36	0.64	9,575.350		
300.00	300.00	199.19	199.18	0.85	0.53	130.39	-3,969.67	4,666.22	6,126.35	6,124.97	1.38	4,442.785		
400.00	400.00	292.00	291.99	1.21	0.86	130.38	-3,969.08	4,667.05	6,126.63	6,124.56	2.07	2,959.766		
500.00	500.00	413.00	412.98	1.57	1.29	130.37	-3,968.22	4,668.14	6,126.85	6,123.99	2.86	2,140.893		
600.00	600.00	490.67	490.65	1.93	1.57	130.36	-3,967.60	4,668.97	6,127.14	6,123.64	3.50	1,751.277		
700.00	700.00	700.00	741.42	2.29	2.30	130.36	-3,966.92	4,667.97	6,127.14	6,122.56	4.58	1,336.749		
800.00	800.00	908.00	907.54	2.64	3.01	130.45	-3,971.46	4,657.90	6,124.12	6,118.47	5.64	1,085.276		
900.00	900.00	985.13	984.18	3.00	3.28	130.53	-3,976.49	4,650.76	6,121.27	6,115.00	6.27	975.709		
1,000.00	1,000.00	1,110.36	1,108.46	3.36	3.74	130.67	-3,985.30	4,638.22	6,118.20	6,111.11	7.09	863.042		
1,100.00	1,100.00	1,260.79	1,257.59	3.72	4.31	130.85	-3,996.29	4,621.86	6,114.72	6,106.70	8.02	762.559		
1,200.00	1,200.00	1,327.90	1,324.02	4.08	4.58	130.93	-4,001.65	4,614.00	6,111.06	6,102.42	8.64	707.196		
1,300.00	1,299.98	1,464.68	1,459.37	4.42	5.13	-10.06	-4,012.77	4,597.65	6,105.61	6,096.08	9.53	640.599		
1,400.00	1,399.84	1,536.09	1,529.98	4.75	5.42	-10.00	-4,018.79	4,588.88	6,096.73	6,086.58	10.15	600.393		
1,500.00	1,499.45	1,624.12	1,617.06	5.09	5.78	-9.93	-4,026.26	4,578.40	6,084.77	6,073.92	10.85	560.729		
1,600.00	1,598.70	1,729.31	1,721.11	5.44	6.22	-9.86	-4,035.27	4,565.84	6,069.46	6,057.83	11.63	522.083		
1,700.00	1,697.47	1,816.25	1,807.13	5.81	6.58	-9.83	-4,042.61	4,555.59	6,050.81	6,038.48	12.33	490.788		
1,800.00	1,795.62	1,921.60	1,911.44	6.19	7.02	-9.80	-4,051.12	4,543.53	6,028.83	6,015.72	13.11	459.872		
1,846.33	1,840.86	1,957.79	1,947.28	6.38	7.17	-9.81	-4,054.01	4,539.43	6,017.52	6,004.10	13.42	448.326		
1,900.00	1,893.17	2,001.43	1,990.52	6.60	7.36	-9.77	-4,057.41	4,534.61	6,004.08	5,990.29	13.79	435.454		
2,000.00	1,990.64	2,090.36	2,078.69	7.02	7.73	-9.69	-4,064.12	4,525.17	5,979.17	5,964.67	14.50	412.368		
2,100.00	2,088.10	2,179.18	2,166.77	7.46	8.09	-9.61	-4,070.85	4,515.85	5,954.38	5,939.17	15.22	391.319		
2,200.00	2,185.57	2,306.19	2,292.59	7.91	8.63	-9.49	-4,081.01	4,501.84	5,929.50	5,913.41	16.10	368.363		
2,300.00	2,283.03	2,432.96	2,418.06	8.37	9.17	-9.36	-4,091.07	4,486.83	5,903.99	5,887.00	16.98	347.611		
2,400.00	2,380.50	2,515.22	2,499.49	8.84	9.52	-9.27	-4,097.43	4,477.05	5,878.35	5,860.65	17.69	332.240		
2,500.00	2,477.97	2,581.00	2,564.59	9.32	9.80	-9.20	-4,102.94	4,469.33	5,853.22	5,834.88	18.34	319.190		
2,600.00	2,575.43	2,641.23	2,624.22	9.80	10.05	-9.14	-4,108.08	4,462.64	5,828.65	5,809.69	18.96	307.416		
2,700.00	2,672.90	2,764.05	2,746.03	10.28	10.57	-9.03	-4,117.65	4,450.17	5,804.39	5,784.56	19.83	292.653		
2,800.00	2,770.36	2,839.11	2,820.46	10.77	10.88	-8.96	-4,123.43	4,442.32	5,779.82	5,759.30	20.52	281.690		
2,900.00	2,867.83	2,927.62	2,908.13	11.26	11.26	-8.87	-4,130.94	4,432.87	5,755.60	5,734.34	21.26	270.694		
3,000.00	2,965.29	3,038.95	3,018.39	11.76	11.73	-8.75	-4,140.54	4,420.71	5,731.31	5,709.21	22.10	259.311		
3,100.00	3,062.76	3,184.93	3,162.92	12.26	12.36	-8.59	-4,152.44	4,404.03	5,706.34	5,683.26	23.08	247.207		
3,200.00	3,160.23	3,268.07	3,245.22	12.76	12.71	-8.50	-4,159.11	4,394.34	5,681.18	5,657.37	23.81	238.575		
3,300.00	3,257.69	3,343.00	3,319.45	13.27	13.03	-8.42	-4,165.08	4,386.01	5,656.38	5,631.87	24.51	230.785		
3,400.00	3,355.16	3,484.10	3,459.16	13.77	13.64	-8.27	-4,175.94	4,369.53	5,630.86	5,605.38	25.47	221.067		
3,500.00	3,452.62	3,553.84	3,528.16	14.28	13.94	-8.19	-4,181.77	4,361.24	5,605.79	5,579.63	26.15	214.343		
3,600.00	3,550.09	3,657.64	3,630.87	14.79	14.39	-8.07	-4,190.36	4,348.99	5,580.75	5,553.78	26.97	206.914		
3,700.00	3,647.55	3,724.00	3,696.64	15.30	14.67	-8.00	-4,195.42	4,341.66	5,555.91	5,528.27	27.64	201.020		
3,800.00	3,745.02	3,786.11	3,758.23	15.81	14.93	-7.93	-4,200.23	4,335.24	5,531.65	5,503.36	28.29	195.554		
3,900.00	3,842.49	3,900.00	3,861.40	16.32	15.42	-7.82	-4,209.02	4,324.42	5,507.78	5,478.64	29.14	188.985		
4,000.00	3,939.95	3,995.41	3,965.60	16.84	15.82	-7.70	-4,217.73	4,313.04	5,483.51	5,453.59	29.92	183.248		
4,100.00	4,037.42	4,094.58	4,063.98	17.35	16.24	-7.60	-4,225.36	4,303.08	5,459.43	5,428.71	30.72	177.742		
4,200.00	4,134.88	4,241.77	4,209.95	17.87	16.86	-7.44	-4,236.16	4,287.63	5,434.78	5,403.09	31.69	171.499		
4,300.00	4,232.35	4,340.40	4,307.64	18.39	17.28	-7.33	-4,243.70	4,276.29	5,409.68	5,377.20	32.49	166.528		
4,400.00	4,329.81	4,422.38	4,388.93	18.90	17.63	-7.24	-4,249.53	4,267.47	5,384.76	5,351.55	33.21	162.120		
4,500.00	4,427.28	4,486.00	4,452.07	19.42	17.89	-7.18	-4,253.96	4,260.98	5,360.19	5,326.32	33.87	158.242		
4,600.00	4,524.75	4,546.59	4,512.18	19.94	18.15	-7.11	-4,258.58	4,254.94	5,336.27	5,301.74	34.52	154.571		
4,700.00	4,622.21	4,602.92	4,568.01	20.46	18.38	-7.05	-4,263.57	4,249.40	5,313.18	5,278.02	35.16	151.125		
4,800.00	4,719.68	4,676.00	4,640.46	20.98	18.69	-6.96	-4,270.29	4,242.62	5,290.73	5,254.88	35.86	147.552		
4,900.00	4,817.14	4,828.65	4,791.88	21.50	19.33	-6.79	-4,283.49	4,228.47	5,267.98	5,231.13	36.85	142.950		
5,000.00	4,914.61	4,960.22	4,922.42	22.02	19.88	-6.65	-4,293.85	4,215.64	5,244.36	5,206.60	37.77	138.867		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 89-MWDD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	5,012.07	5,063.72	5,024.99	22.54	20.32	-6.52	-4,302.25	4,204.73	5,220.39	5,181.81	38.58	135.311		
5,200.00	5,109.54	5,161.76	5,122.21	23.06	20.73	-6.41	-4,309.84	4,194.59	5,196.33	5,156.96	39.37	131.979		
5,300.00	5,207.01	5,345.96	5,305.02	23.59	21.50	-6.21	-4,322.28	4,175.79	5,171.89	5,131.43	40.46	127.825		
5,400.00	5,304.47	5,457.64	5,415.80	24.11	21.97	-6.08	-4,328.91	4,163.23	5,145.99	5,104.70	41.29	124.618		
5,500.00	5,401.94	5,554.47	5,511.77	24.63	22.38	-5.97	-4,335.03	4,151.93	5,120.11	5,078.03	42.08	121.680		
5,600.00	5,499.40	5,653.39	5,609.94	25.16	22.79	-5.86	-4,340.48	4,141.08	5,094.16	5,051.30	42.87	118.842		
5,700.00	5,596.87	5,713.12	5,669.24	25.68	23.03	-5.79	-4,343.78	4,134.77	5,068.54	5,025.02	43.52	116.469		
5,800.00	5,694.33	5,773.13	5,728.84	26.20	23.28	-5.73	-4,347.45	4,128.76	5,043.68	4,999.50	44.17	114.181		
5,900.00	5,791.80	5,842.92	5,798.13	26.73	23.57	-5.65	-4,352.22	4,121.85	5,019.41	4,974.55	44.86	111.887		
6,000.00	5,889.27	5,955.56	5,909.84	27.25	24.05	-5.51	-4,360.67	4,110.16	4,995.32	4,949.61	45.70	109.297		
6,100.00	5,986.73	6,043.64	5,997.22	27.78	24.41	-5.41	-4,366.99	4,101.21	4,971.14	4,924.68	46.46	106.999		
6,200.00	6,084.20	6,132.56	6,085.62	28.30	24.77	-5.31	-4,372.50	4,093.23	4,947.12	4,899.91	47.21	104.797		
6,300.00	6,181.66	6,216.76	6,169.45	28.82	25.10	-5.24	-4,376.96	4,086.71	4,923.31	4,875.38	47.93	102.724		
6,400.00	6,279.13	6,300.80	6,253.20	29.35	25.43	-5.18	-4,380.93	4,081.02	4,899.76	4,851.12	48.64	100.733		
6,500.00	6,376.59	6,371.97	6,324.16	29.88	25.70	-5.13	-4,384.14	4,076.70	4,876.56	4,827.25	49.31	98.892		
6,600.00	6,474.06	6,439.14	6,391.14	30.40	25.95	-5.09	-4,387.53	4,072.89	4,853.98	4,804.01	49.97	97.141		
6,700.00	6,571.53	6,512.12	6,463.96	30.93	26.22	-5.04	-4,391.03	4,069.50	4,831.94	4,781.30	50.64	95.420		
6,800.00	6,668.99	6,597.04	6,548.80	31.45	26.51	-5.02	-4,393.79	4,067.42	4,810.29	4,758.96	51.32	93.729		
6,887.36	6,754.14	6,680.09	6,631.84	31.91	26.77	-5.03	-4,395.00	4,067.13	4,791.51	4,739.58	51.93	92.273		
6,900.00	6,766.46	6,692.41	6,644.15	31.98	26.81	-5.03	-4,395.18	4,067.08	4,788.82	4,736.80	52.02	92.066		
7,000.00	6,864.39	6,808.74	6,760.48	32.48	27.17	-5.01	-4,396.32	4,067.00	4,769.31	4,716.56	52.74	90.424		
7,100.00	6,962.96	6,918.82	6,870.56	32.94	27.49	-5.00	-4,396.44	4,067.31	4,752.83	4,699.40	53.43	88.949		
7,200.00	7,062.06	7,021.21	6,972.95	33.36	27.80	-4.99	-4,396.56	4,067.43	4,739.69	4,685.59	54.11	87.601		
7,300.00	7,161.57	7,113.95	7,065.69	33.74	28.09	-4.98	-4,396.78	4,067.41	4,730.00	4,675.25	54.76	86.380		
7,400.00	7,261.36	7,215.03	7,166.77	34.08	28.41	-4.97	-4,397.27	4,067.37	4,723.94	4,668.51	55.43	85.227		
7,500.00	7,361.31	7,324.77	7,276.50	34.39	28.76	-4.97	-4,397.75	4,067.08	4,721.17	4,665.05	56.11	84.135		
7,533.69	7,395.00	7,361.49	7,313.23	34.48	28.88	136.19	-4,397.89	4,066.95	4,720.97	4,664.63	56.34	83.794		
7,600.00	7,461.31	7,433.78	7,385.51	34.65	29.12	136.19	-4,398.10	4,066.64	4,720.91	4,664.14	56.78	83.148		
7,633.69	7,495.00	7,471.71	7,423.44	34.73	29.24	136.19	-4,398.19	4,066.43	4,720.85	4,663.84	57.00	82.817		
7,650.00	7,511.31	7,490.14	7,441.88	34.78	29.30	-43.48	-4,398.25	4,066.30	4,720.64	4,663.52	57.12	82.651		
7,700.00	7,561.16	7,546.51	7,498.24	34.94	29.49	-43.70	-4,398.45	4,065.79	4,717.85	4,660.38	57.47	82.091		
7,750.00	7,610.51	7,577.37	7,529.10	35.14	29.59	-44.15	-4,398.66	4,065.53	4,712.01	4,654.24	57.78	81.558		
7,800.00	7,658.98	7,612.52	7,564.25	35.37	29.71	-44.85	-4,398.97	4,065.25	4,703.23	4,645.13	58.10	80.952		
7,850.00	7,706.21	7,646.86	7,598.59	35.64	29.82	-45.79	-4,399.39	4,065.02	4,691.57	4,633.15	58.43	80.296		
7,900.00	7,751.82	7,683.68	7,635.40	35.93	29.94	-47.02	-4,399.90	4,064.83	4,677.13	4,618.36	58.77	79.585		
7,950.00	7,795.49	7,721.14	7,672.86	36.26	30.06	-48.54	-4,400.36	4,064.77	4,659.99	4,600.87	59.11	78.830		
8,000.00	7,836.86	7,755.00	7,706.72	36.62	30.17	-50.36	-4,400.72	4,064.85	4,640.29	4,580.83	59.46	78.046		
8,050.00	7,875.64	7,787.19	7,738.91	37.00	30.27	-52.50	-4,401.02	4,065.04	4,618.22	4,558.43	59.79	77.238		
8,100.00	7,911.52	7,815.64	7,767.35	37.42	30.36	-54.96	-4,401.28	4,065.28	4,593.98	4,533.86	60.12	76.410		
8,150.00	7,944.22	7,841.59	7,793.30	37.86	30.44	-57.77	-4,401.50	4,065.57	4,567.78	4,507.33	60.45	75.560		
8,200.00	7,973.51	7,863.68	7,815.38	38.32	30.50	-60.90	-4,401.69	4,065.87	4,539.85	4,479.08	60.78	74.699		
8,250.00	7,999.16	7,882.46	7,834.17	38.81	30.56	-64.35	-4,401.85	4,066.17	4,510.43	4,449.33	61.09	73.827		
8,300.00	8,020.98	7,898.49	7,850.19	39.31	30.61	-68.12	-4,401.98	4,066.47	4,479.76	4,418.34	61.41	72.944		
8,350.00	8,038.79	7,911.62	7,863.32	39.84	30.64	-72.16	-4,402.08	4,066.73	4,448.09	4,386.36	61.73	72.056		
8,400.00	8,052.46	7,921.77	7,873.47	40.38	30.67	-76.41	-4,402.17	4,066.95	4,415.69	4,353.64	62.05	71.165		
8,450.00	8,061.89	7,928.87	7,880.56	40.93	30.70	-80.81	-4,402.22	4,067.11	4,382.81	4,320.45	62.37	70.276		
8,500.00	8,067.01	7,932.85	7,884.54	41.49	30.71	-85.26	-4,402.25	4,067.20	4,349.72	4,287.04	62.68	69.393		
8,533.77	8,068.00	7,933.76	7,885.45	41.88	30.71	-88.25	-4,402.26	4,067.22	4,327.39	4,264.49	62.90	68.803		
8,600.00	8,068.00	7,934.15	7,885.84	42.64	30.71	-88.25	-4,402.26	4,067.23	4,283.94	4,220.61	63.34	67.639		
8,700.00	8,068.00	7,934.73	7,886.42	43.82	30.71	-88.26	-4,402.27	4,067.25	4,219.48	4,155.39	64.09	65.838		
8,800.00	8,068.00	7,935.31	7,887.00	45.04	30.71	-88.27	-4,402.27	4,067.26	4,156.41	4,091.46	64.95	63.995		
8,900.00	8,067.99	7,935.89	7,887.58	46.30	30.72	-88.28	-4,402.28	4,067.27	4,094.82	4,028.90	65.92	62.122		

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



# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 89-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		
9,000.00	8,067.99	7,936.47	7,888.16	47.59	30.72	-88.29	-4,402.28	4,067.29	4,034.77	3,967.78	66.99	60.231		
9,100.00	8,067.99	7,937.05	7,888.74	48.91	30.72	-88.30	-4,402.29	4,067.30	3,976.32	3,908.15	68.17	58.333		
9,200.00	8,067.99	7,937.62	7,889.31	50.26	30.72	-88.31	-4,402.29	4,067.31	3,919.55	3,850.11	69.45	56.440		
9,300.00	8,067.99	7,938.20	7,889.89	51.63	30.72	-88.32	-4,402.30	4,067.33	3,864.54	3,793.72	70.83	54.564		
9,400.00	8,067.99	7,945.00	7,896.69	53.03	30.74	-88.44	-4,402.35	4,067.50	3,811.37	3,739.05	72.32	52.705		
9,500.00	8,067.98	7,945.00	7,896.69	54.44	30.74	-88.44	-4,402.35	4,067.50	3,760.09	3,686.21	73.88	50.893		
9,600.00	8,067.98	7,945.00	7,896.69	55.88	30.74	-88.44	-4,402.35	4,067.50	3,710.80	3,635.27	75.53	49.127		
9,700.00	8,067.98	7,945.00	7,896.69	57.34	30.74	-88.44	-4,402.35	4,067.50	3,663.58	3,586.31	77.27	47.413		
9,800.00	8,067.98	7,945.00	7,896.69	58.81	30.74	-88.44	-4,402.35	4,067.50	3,618.51	3,539.43	79.08	45.758		
9,900.00	8,067.98	7,945.00	7,896.69	60.31	30.74	-88.44	-4,402.35	4,067.50	3,575.66	3,494.70	80.96	44.166		
10,000.00	8,067.98	7,945.00	7,896.69	61.81	30.74	-88.44	-4,402.35	4,067.50	3,535.13	3,452.22	82.90	42.642		
10,100.00	8,067.98	7,945.00	7,896.69	63.33	30.74	-88.44	-4,402.35	4,067.50	3,496.98	3,412.08	84.90	41.189		
10,200.00	8,067.97	7,945.00	7,896.69	64.86	30.74	-88.44	-4,402.35	4,067.50	3,461.31	3,374.36	86.95	39.809		
10,300.00	8,067.97	7,945.00	7,896.69	66.41	30.74	-88.44	-4,402.35	4,067.50	3,428.18	3,339.14	89.04	38.503		
10,400.00	8,067.97	7,945.00	7,896.69	67.96	30.74	-88.44	-4,402.35	4,067.50	3,397.67	3,306.51	91.16	37.273		
10,500.00	8,067.97	7,945.13	7,896.82	69.53	30.74	-88.45	-4,402.35	4,067.50	3,369.86	3,276.56	93.30	36.118		
10,600.00	8,067.97	7,945.80	7,897.49	71.10	30.75	-88.46	-4,402.36	4,067.52	3,344.80	3,249.34	95.46	35.038		
10,700.00	8,067.97	7,946.48	7,898.16	72.69	30.75	-88.47	-4,402.36	4,067.53	3,322.57	3,224.94	97.63	34.032		
10,800.00	8,067.97	7,947.15	7,898.84	74.28	30.75	-88.48	-4,402.37	4,067.55	3,303.21	3,203.42	99.79	33.100		
10,900.00	8,067.97	7,947.82	7,899.50	75.88	30.75	-88.49	-4,402.37	4,067.57	3,286.79	3,184.84	101.95	32.240		
11,000.00	8,067.97	7,948.49	7,900.17	77.49	30.75	-88.50	-4,402.38	4,067.58	3,273.33	3,169.25	104.08	31.450		
11,100.00	8,067.97	7,949.15	7,900.84	79.10	30.76	-88.52	-4,402.38	4,067.60	3,262.89	3,156.71	106.19	30.728		
11,200.00	8,067.96	7,949.81	7,901.50	80.73	30.76	-88.53	-4,402.39	4,067.62	3,255.49	3,147.24	108.25	30.073		
11,300.00	8,067.96	7,950.48	7,902.16	82.35	30.76	-88.54	-4,402.39	4,067.63	3,251.15	3,140.87	110.28	29.482		
11,391.26	8,067.96	7,951.08	7,902.76	83.84	30.76	-88.55	-4,402.40	4,067.65	3,249.87	3,137.79	112.08	28.997 CC		
11,400.00	8,067.96	7,951.14	7,902.82	83.99	30.76	-88.55	-4,402.40	4,067.65	3,249.88	3,137.63	112.25	28.953		
11,500.00	8,067.96	7,951.79	7,903.48	85.63	30.76	-88.56	-4,402.40	4,067.67	3,251.69	3,137.53	114.16	28.484 ES		
11,600.00	8,067.96	7,952.45	7,904.14	87.27	30.77	-88.57	-4,402.41	4,067.68	3,256.56	3,140.56	116.00	28.073		
11,700.00	8,067.96	7,953.11	7,904.79	88.92	30.77	-88.59	-4,402.41	4,067.70	3,264.50	3,146.72	117.78	27.718		
11,800.00	8,067.96	7,953.76	7,905.44	90.58	30.77	-88.60	-4,402.42	4,067.72	3,275.47	3,155.99	119.48	27.415		
11,900.00	8,067.96	7,954.41	7,906.09	92.23	30.77	-88.61	-4,402.42	4,067.73	3,289.44	3,168.35	121.10	27.164		
12,000.00	8,067.96	7,955.06	7,906.74	93.90	30.77	-88.62	-4,402.43	4,067.75	3,306.38	3,183.75	122.63	26.962		
12,100.00	8,067.96	7,955.71	7,907.39	95.56	30.77	-88.63	-4,402.43	4,067.77	3,326.25	3,202.16	124.09	26.806		
12,200.00	8,067.96	7,956.35	7,908.04	97.23	30.78	-88.64	-4,402.44	4,067.78	3,348.98	3,223.52	125.45	26.695		
12,300.00	8,067.96	7,957.00	7,908.68	98.91	30.78	-88.66	-4,402.44	4,067.80	3,374.52	3,247.79	126.73	26.627		
12,400.00	8,067.96	7,957.64	7,909.32	100.59	30.78	-88.67	-4,402.45	4,067.82	3,402.81	3,274.88	127.93	26.600 SF		
12,500.00	8,067.96	7,958.28	7,909.96	102.27	30.78	-88.68	-4,402.45	4,067.83	3,433.78	3,304.74	129.04	26.611		
12,600.00	8,067.96	7,958.92	7,910.60	103.95	30.78	-88.69	-4,402.46	4,067.85	3,467.36	3,337.30	130.06	26.660		
12,700.00	8,067.96	7,959.56	7,911.24	105.64	30.79	-88.70	-4,402.46	4,067.86	3,503.47	3,372.47	131.00	26.744		
12,800.00	8,067.96	7,960.19	7,911.87	107.33	30.79	-88.71	-4,402.47	4,067.88	3,542.04	3,410.17	131.86	26.861		
12,900.00	8,067.96	7,960.83	7,912.51	109.02	30.79	-88.72	-4,402.47	4,067.90	3,582.98	3,450.33	132.65	27.011		
13,000.00	8,067.96	7,961.46	7,913.14	110.71	30.79	-88.73	-4,402.48	4,067.91	3,626.22	3,492.86	133.36	27.191		
13,100.00	8,067.96	7,962.09	7,913.77	112.41	30.79	-88.74	-4,402.48	4,067.93	3,671.67	3,537.67	134.00	27.400		
13,200.00	8,067.96	7,962.72	7,914.40	114.11	30.80	-88.76	-4,402.49	4,067.95	3,719.26	3,584.69	134.57	27.637		
13,300.00	8,067.96	7,963.35	7,915.03	115.81	30.80	-88.77	-4,402.49	4,067.96	3,768.90	3,633.82	135.08	27.901		
13,400.00	8,067.96	7,963.97	7,915.65	117.52	30.80	-88.78	-4,402.50	4,067.98	3,820.52	3,684.98	135.53	28.189		
13,500.00	8,067.96	7,964.59	7,916.28	119.22	30.80	-88.79	-4,402.50	4,068.00	3,874.02	3,738.10	135.92	28.501		
13,600.00	8,067.96	7,965.22	7,916.90	120.93	30.80	-88.80	-4,402.51	4,068.01	3,929.35	3,793.08	136.26	28.836		
13,700.00	8,067.96	7,965.84	7,917.52	122.64	30.80	-88.81	-4,402.51	4,068.03	3,986.41	3,849.86	136.55	29.193		
13,800.00	8,067.96	7,966.46	7,918.14	124.35	30.81	-88.82	-4,402.51	4,068.04	4,045.14	3,908.35	136.80	29.570		
13,900.00	8,067.96	7,967.07	7,918.75	126.06	30.81	-88.83	-4,402.52	4,068.06	4,105.47	3,968.47	137.00	29.967		
14,000.00	8,067.96	7,967.69	7,919.37	127.78	30.81	-88.84	-4,402.52	4,068.08	4,167.33	4,030.17	137.16	30.383		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 89-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	8,067.96	7,968.30	7,919.98	129.50	30.81	-88.85	-4,402.53	4,068.09	4,230.64	4,093.35	137.29	30.816		
14,200.00	8,067.96	7,968.92	7,920.60	131.21	30.81	-88.87	-4,402.53	4,068.11	4,295.35	4,157.97	137.38	31.267		
14,300.00	8,067.96	7,969.53	7,921.21	132.93	30.81	-88.88	-4,402.54	4,068.13	4,361.39	4,223.95	137.44	31.733		
14,400.00	8,067.96	7,970.14	7,921.82	134.65	30.82	-88.89	-4,402.54	4,068.14	4,428.70	4,291.23	137.47	32.215		
14,500.00	8,067.96	7,970.75	7,922.42	136.38	30.82	-88.90	-4,402.55	4,068.16	4,497.23	4,359.75	137.48	32.712		
14,600.00	8,067.96	7,971.35	7,923.03	138.10	30.82	-88.91	-4,402.55	4,068.17	4,566.93	4,429.46	137.47	33.222		
14,700.00	8,067.96	7,971.96	7,923.63	139.82	30.82	-88.92	-4,402.56	4,068.19	4,637.73	4,500.30	137.43	33.746		
14,800.00	8,067.96	7,972.56	7,924.24	141.55	30.82	-88.93	-4,402.56	4,068.21	4,709.59	4,572.21	137.37	34.283		
14,900.00	8,067.96	7,973.16	7,924.84	143.28	30.83	-88.94	-4,402.56	4,068.22	4,782.46	4,645.16	137.30	34.832		
15,000.00	8,067.96	7,973.76	7,925.44	145.00	30.83	-88.95	-4,402.57	4,068.24	4,856.29	4,719.08	137.21	35.393		
15,100.00	8,067.96	7,974.36	7,926.04	146.73	30.83	-88.96	-4,402.57	4,068.25	4,931.05	4,793.94	137.11	35.964		
15,200.00	8,067.96	7,974.96	7,926.63	148.46	30.83	-88.97	-4,402.58	4,068.27	5,006.69	4,869.70	136.99	36.547		
15,300.00	8,067.96	7,975.55	7,927.23	150.19	30.83	-88.98	-4,402.58	4,068.29	5,083.17	4,946.31	136.87	37.139		
15,400.00	8,067.96	7,976.15	7,927.82	151.93	30.83	-88.99	-4,402.59	4,068.30	5,160.46	5,023.73	136.73	37.741		
15,500.00	8,067.96	7,976.74	7,928.41	153.66	30.84	-89.00	-4,402.59	4,068.32	5,238.51	5,101.93	136.59	38.352		
15,600.00	8,067.96	7,977.33	7,929.00	155.39	30.84	-89.01	-4,402.59	4,068.33	5,317.30	5,180.87	136.44	38.973		
15,700.00	8,067.97	7,977.92	7,929.59	157.13	30.84	-89.02	-4,402.60	4,068.35	5,396.80	5,260.52	136.28	39.601		
15,800.00	8,067.97	7,978.51	7,930.18	158.86	30.84	-89.03	-4,402.60	4,068.37	5,476.96	5,340.84	136.11	40.238		
15,900.00	8,067.97	7,979.09	7,930.77	160.60	30.84	-89.05	-4,402.61	4,068.38	5,557.77	5,421.82	135.95	40.882		
16,000.00	8,067.97	7,979.68	7,931.35	162.34	30.84	-89.06	-4,402.61	4,068.40	5,639.19	5,503.41	135.77	41.534		
16,100.00	8,067.97	7,980.26	7,931.94	164.08	30.85	-89.07	-4,402.62	4,068.41	5,721.20	5,585.60	135.60	42.193		
16,200.00	8,067.97	7,980.84	7,932.52	165.81	30.85	-89.08	-4,402.62	4,068.43	5,803.77	5,668.36	135.42	42.858		
16,300.00	8,067.97	7,981.42	7,933.10	167.55	30.85	-89.09	-4,402.62	4,068.45	5,886.89	5,751.65	135.24	43.531		
16,400.00	8,067.97	7,982.00	7,933.68	169.29	30.85	-89.10	-4,402.63	4,068.46	5,970.52	5,835.47	135.05	44.209		
16,500.00	8,067.97	7,982.58	7,934.25	171.04	30.85	-89.11	-4,402.63	4,068.48	6,054.65	5,919.78	134.87	44.893		
16,600.00	8,067.98	7,983.16	7,934.83	172.78	30.85	-89.12	-4,402.64	4,068.49	6,139.26	6,004.57	134.68	45.583		
16,700.00	8,067.98	7,983.73	7,935.40	174.52	30.86	-89.13	-4,402.64	4,068.51	6,224.32	6,089.82	134.50	46.279		
16,800.00	8,067.98	7,984.30	7,935.98	176.26	30.86	-89.14	-4,402.65	4,068.52	6,309.82	6,175.51	134.31	46.979		
16,900.00	8,067.98	7,984.87	7,936.55	178.01	30.86	-89.15	-4,402.65	4,068.54	6,395.74	6,261.61	134.13	47.685		
17,000.00	8,067.98	7,985.45	7,937.12	179.75	30.86	-89.16	-4,402.65	4,068.55	6,482.06	6,348.12	133.94	48.395		
17,100.00	8,067.98	7,986.01	7,937.69	181.49	30.86	-89.17	-4,402.66	4,068.57	6,568.77	6,435.02	133.76	49.110		
17,200.00	8,067.98	7,986.58	7,938.25	183.24	30.86	-89.18	-4,402.66	4,068.59	6,655.86	6,522.29	133.57	49.830		
17,300.00	8,067.99	7,987.15	7,938.82	184.99	30.87	-89.19	-4,402.67	4,068.60	6,743.30	6,609.91	133.39	50.553		
17,400.00	8,067.99	7,987.71	7,939.38	186.73	30.87	-89.20	-4,402.67	4,068.62	6,831.09	6,697.88	133.21	51.281		
17,500.00	8,067.99	7,988.27	7,939.95	188.48	30.87	-89.21	-4,402.67	4,068.63	6,919.21	6,786.18	133.03	52.013		
17,600.00	8,067.99	7,988.84	7,940.51	190.23	30.87	-89.22	-4,402.68	4,068.65	7,007.64	6,874.79	132.85	52.748		
17,700.00	8,067.99	7,989.40	7,941.07	191.97	30.87	-89.23	-4,402.68	4,068.66	7,096.39	6,963.71	132.68	53.487		
17,800.00	8,067.99	7,989.96	7,941.63	193.72	30.87	-89.24	-4,402.69	4,068.68	7,185.43	7,052.93	132.50	54.229		
17,900.00	8,068.00	7,990.51	7,942.18	195.47	30.88	-89.25	-4,402.69	4,068.69	7,274.75	7,142.42	132.33	54.975		
18,000.00	8,068.00	7,991.07	7,942.74	197.22	30.88	-89.26	-4,402.69	4,068.71	7,364.35	7,232.19	132.16	55.723		
18,100.00	8,068.00	7,991.62	7,943.29	198.97	30.88	-89.27	-4,402.70	4,068.73	7,454.22	7,322.22	131.99	56.475		
18,184.63	8,068.00	7,992.09	7,943.76	200.45	30.88	-89.28	-4,402.70	4,068.74	7,530.47	7,398.62	131.85	57.114		
18,185.16	8,068.00	7,992.10	7,943.77	200.47	30.88	-89.28	-4,402.70	4,068.74	7,530.94	7,397.79	133.16	56.557		

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 61-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	0.00	0.00	0.00	0.00	130.47	-3,991.73	4,679.27	6,151.14					
100.00	100.00	28.26	28.26	0.13	0.04	130.47	-3,991.77	4,679.20	6,150.55	6,150.38	0.17	N/A		
174.00	174.00	90.00	90.00	0.40	0.19	130.47	-3,992.11	4,678.66	6,150.35	6,149.76	0.59	N/A		
200.00	200.00	103.01	103.01	0.49	0.24	130.47	-3,992.25	4,678.54	6,150.37	6,149.64	0.73	8,462.230		
300.00	300.00	150.45	150.43	0.85	0.41	130.48	-3,993.23	4,678.18	6,151.06	6,149.80	1.26	4,897.604		
400.00	400.00	235.00	234.94	1.21	0.71	130.51	-3,995.84	4,677.07	6,152.10	6,150.18	1.92	3,203.133		
500.00	500.00	264.00	263.90	1.57	0.82	130.52	-3,997.21	4,676.61	6,153.98	6,151.59	2.39	2,579.505		
600.00	600.00	316.31	316.09	1.93	1.01	130.55	-4,000.61	4,675.70	6,156.87	6,153.93	2.94	2,095.610		
700.00	700.00	385.00	384.54	2.29	1.27	130.60	-4,006.06	4,674.11	6,160.31	6,156.75	3.56	1,732.826		
800.00	800.00	477.00	475.98	2.64	1.64	130.69	-4,015.56	4,670.52	6,164.10	6,159.82	4.27	1,442.540		
900.00	900.00	506.00	504.72	3.00	1.76	130.72	-4,019.11	4,669.07	6,168.50	6,163.75	4.75	1,299.284		
1,000.00	1,000.00	548.61	546.90	3.36	1.93	130.77	-4,024.88	4,667.08	6,173.94	6,168.66	5.28	1,169.418		
1,100.00	1,100.00	598.00	595.66	3.72	2.15	130.84	-4,032.31	4,664.77	6,180.31	6,174.47	5.84	1,057.730		
1,200.00	1,200.00	637.29	634.33	4.08	2.32	130.90	-4,038.97	4,662.72	6,187.59	6,181.22	6.37	971.559		
1,300.00	1,299.98	688.00	684.04	4.42	2.56	-10.14	-4,048.58	4,659.83	6,194.09	6,187.16	6.93	893.367		
1,400.00	1,399.84	718.00	713.32	4.75	2.70	-10.08	-4,054.79	4,657.92	6,198.04	6,190.65	7.40	838.087		
1,500.00	1,499.45	763.50	757.56	5.09	2.93	-9.99	-4,065.01	4,654.90	6,199.55	6,191.61	7.94	780.611		
1,600.00	1,598.70	813.00	805.38	5.44	3.19	-9.89	-4,077.28	4,651.30	6,198.63	6,190.11	8.52	727.429		
1,700.00	1,697.47	860.40	850.87	5.81	3.45	-9.80	-4,090.01	4,647.46	6,195.12	6,186.01	9.11	680.372		
1,800.00	1,795.62	908.00	896.29	6.19	3.72	-9.72	-4,103.62	4,643.22	6,188.94	6,179.24	9.70	637.788		
1,846.33	1,840.86	908.00	896.29	6.38	3.72	-9.73	-4,103.62	4,643.22	6,185.31	6,175.45	9.86	627.298		
1,900.00	1,893.17	1,005.41	988.39	6.60	4.32	-9.49	-4,133.86	4,633.66	6,180.92	6,170.31	10.62	582.271		
2,000.00	1,990.64	1,047.92	1,028.46	7.02	4.59	-9.39	-4,147.28	4,629.14	6,172.45	6,161.24	11.21	550.482		
2,100.00	2,088.10	1,108.81	1,085.79	7.46	4.97	-9.23	-4,166.86	4,623.05	6,164.87	6,152.94	11.93	516.822		
2,200.00	2,185.57	1,181.28	1,154.26	7.91	5.44	-9.06	-4,189.74	4,616.60	6,157.80	6,145.08	12.72	484.182		
2,300.00	2,283.03	1,240.80	1,210.47	8.37	5.82	-8.91	-4,208.65	4,611.52	6,151.26	6,137.83	13.43	457.992		
2,400.00	2,380.50	1,286.05	1,253.09	8.84	6.12	-8.80	-4,223.39	4,607.80	6,145.57	6,131.51	14.06	437.063		
2,500.00	2,477.97	1,404.65	1,364.91	9.32	6.89	-8.52	-4,261.83	4,598.77	6,140.32	6,125.18	15.14	405.462		
2,600.00	2,575.43	1,481.48	1,436.95	9.80	7.41	-8.32	-4,287.66	4,591.93	6,135.12	6,119.13	15.99	383.758		
2,700.00	2,672.90	1,590.92	1,538.63	10.28	8.18	-8.01	-4,326.39	4,580.26	6,130.11	6,113.04	17.07	359.150		
2,800.00	2,770.36	1,738.60	1,675.57	10.77	9.24	-7.58	-4,378.90	4,562.94	6,124.66	6,106.24	18.42	332.494		
2,900.00	2,867.83	2,900.00	1,814.81	11.26	17.22	-7.18	-4,428.67	4,546.95	6,118.53	6,092.29	26.24	233.194		
3,000.00	2,965.29	1,991.51	1,912.55	11.76	10.98	-6.90	-4,462.81	4,535.41	6,111.81	6,091.03	20.78	294.115		
3,100.00	3,062.76	2,137.58	2,050.47	12.26	11.95	-6.53	-4,508.49	4,520.40	6,104.54	6,082.48	22.05	276.817		
3,200.00	3,160.23	2,176.00	2,086.96	12.76	12.20	-6.44	-4,520.08	4,517.12	6,097.90	6,075.26	22.64	269.291		
3,300.00	3,257.69	2,234.13	2,142.14	13.27	12.58	-6.30	-4,537.84	4,512.74	6,092.24	6,068.88	23.36	260.805		
3,400.00	3,355.16	2,320.92	2,223.76	13.77	13.16	-6.08	-4,566.15	4,504.46	6,086.93	6,062.67	24.26	250.892		
3,500.00	3,452.62	2,391.00	2,289.39	14.28	13.65	-5.89	-4,589.66	4,497.33	6,082.03	6,056.96	25.07	242.591		
3,600.00	3,550.09	2,446.18	2,340.99	14.79	14.04	-5.74	-4,608.40	4,491.90	6,077.79	6,052.01	25.78	235.717		
3,700.00	3,647.55	2,664.37	2,546.07	15.30	15.53	-5.17	-4,679.77	4,470.66	6,072.47	6,044.95	27.53	220.601		
3,800.00	3,745.02	2,759.68	2,635.53	15.81	16.18	-4.91	-4,710.98	4,460.36	6,066.96	6,038.46	28.49	212.930		
3,900.00	3,842.49	2,838.51	2,709.68	16.32	16.72	-4.70	-4,736.50	4,452.27	6,061.64	6,032.30	29.35	206.551		
4,000.00	3,939.95	2,977.58	2,840.87	16.84	17.65	-4.34	-4,780.65	4,438.89	6,056.46	6,025.89	30.57	198.132		
4,100.00	4,037.42	3,064.47	2,922.74	17.35	18.24	-4.11	-4,808.37	4,429.93	6,051.00	6,019.53	31.47	192.295		
4,200.00	4,134.88	3,112.69	2,967.99	17.87	18.57	-3.98	-4,824.17	4,424.78	6,046.09	6,013.96	32.13	188.163		
4,300.00	4,232.35	3,185.71	3,036.32	18.39	19.08	-3.78	-4,848.74	4,417.02	6,041.97	6,009.02	32.95	183.360		
4,400.00	4,329.81	3,265.07	3,110.84	18.90	19.63	-3.57	-4,874.90	4,409.24	6,038.06	6,004.25	33.81	178.600		
4,500.00	4,427.28	4,500.00	3,237.46	19.42	28.13	-3.21	-4,919.55	4,395.64	6,034.16	5,992.28	41.89	144.055		
4,600.00	4,524.75	3,468.00	3,301.49	19.94	21.02	-3.03	-4,941.40	4,388.98	6,030.01	5,994.23	35.79	168.505		
4,700.00	4,622.21	3,637.59	3,461.26	20.46	22.17	-2.58	-4,995.60	4,371.94	6,025.23	5,988.04	37.19	162.007		
4,800.00	4,719.68	3,692.00	3,512.27	20.98	22.54	-2.43	-5,013.71	4,366.44	6,021.52	5,983.64	37.88	158.949		
4,900.00	4,817.14	3,692.00	3,512.27	21.50	22.54	-2.43	-5,013.71	4,366.44	6,018.58	5,980.35	38.23	157.443		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 61-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		
5,000.00	4,914.61	3,977.00	3,781.92	22.02	24.42	-1.72	-5,102.04	4,340.62	6,013.03	5,972.73	40.29	149.226		
5,100.00	5,012.07	4,065.36	3,865.89	22.54	24.99	-1.50	-5,128.45	4,332.88	6,008.21	5,967.04	41.16	145.956		
5,200.00	5,109.54	4,115.50	3,913.36	23.06	25.32	-1.37	-5,143.87	4,328.17	6,003.83	5,962.02	41.81	143.593		
5,300.00	5,207.01	4,213.56	4,006.15	23.59	25.97	-1.13	-5,174.30	4,319.34	5,999.99	5,957.25	42.75	140.363		
5,400.00	5,304.47	4,262.00	4,051.80	24.11	26.30	-1.00	-5,189.82	4,314.63	5,996.62	5,953.24	43.39	138.213		
5,500.00	5,401.94	4,326.00	4,111.96	24.63	26.73	-0.83	-5,210.66	4,308.10	5,993.69	5,949.56	44.13	135.832		
5,600.00	5,499.40	5,600.00	4,196.68	25.16	35.64	-0.57	-5,241.24	4,298.70	5,991.58	5,939.18	52.40	114.344		
5,700.00	5,596.87	4,566.17	4,337.04	25.68	28.41	-0.16	-5,290.61	4,283.13	5,988.92	5,942.61	46.32	129.304		
5,800.00	5,694.33	4,614.22	4,382.07	26.20	28.74	-0.03	-5,306.57	4,278.01	5,986.54	5,939.58	46.95	127.500		
5,900.00	5,791.80	5,900.00	4,465.03	26.73	37.50	0.21	-5,336.09	4,269.77	5,985.12	5,930.12	55.00	108.827		
6,000.00	5,889.27	4,916.61	4,666.90	27.25	30.78	0.77	-5,404.04	4,249.73	5,982.47	5,933.00	49.46	120.946		
6,100.00	5,986.73	5,018.20	4,763.77	27.78	31.42	1.01	-5,433.63	4,242.12	5,978.93	5,928.55	50.38	118.675		
6,200.00	6,084.20	5,087.11	4,829.67	28.30	31.85	1.16	-5,453.34	4,237.79	5,975.77	5,924.67	51.11	116.929		
6,300.00	6,181.66	5,281.90	5,014.42	28.82	33.12	1.65	-5,512.31	4,219.88	5,972.65	5,920.07	52.57	113.605		
6,400.00	6,279.13	5,335.85	5,065.54	29.35	33.47	1.79	-5,528.64	4,214.25	5,968.73	5,915.49	53.24	112.117		
6,500.00	6,376.59	6,500.00	5,157.06	29.88	41.17	2.05	-5,558.94	4,203.94	5,965.61	5,905.17	60.44	98.696		
6,600.00	6,474.06	5,558.22	5,276.35	30.40	34.92	2.36	-5,595.78	4,192.23	5,961.73	5,906.52	55.21	107.980		
6,700.00	6,571.53	5,655.87	5,369.37	30.93	35.54	2.60	-5,624.21	4,183.59	5,958.08	5,901.98	56.10	106.198		
6,800.00	6,668.99	5,747.44	5,456.37	31.45	36.13	2.83	-5,651.30	4,174.50	5,954.35	5,897.39	56.97	104.520		
6,887.36	6,754.14	5,790.12	5,496.83	31.91	36.41	2.94	-5,664.22	4,170.26	5,951.67	5,894.16	57.51	103.487		
6,900.00	6,766.46	5,796.30	5,502.68	31.98	36.45	2.96	-5,666.11	4,169.65	5,951.36	5,893.77	57.59	103.342		
6,966.00	6,831.02	6,966.00	5,564.43	32.31	44.13	3.13	-5,686.10	4,163.36	5,950.78	5,886.21	64.57	92.165		
7,000.00	6,864.39	5,927.59	5,627.13	32.48	37.31	3.29	-5,705.99	4,157.08	5,950.93	5,892.25	58.68	101.413		
7,100.00	6,962.96	6,640.97	6,320.00	32.94	41.12	4.66	-5,864.23	4,104.27	5,947.41	5,885.10	62.31	95.444		
7,200.00	7,062.06	7,340.74	7,016.58	33.36	43.36	5.17	-5,917.30	4,083.85	5,940.52	5,876.19	64.34	92.334		
7,300.00	7,161.57	7,458.49	7,134.32	33.74	43.56	5.16	-5,916.34	4,083.78	5,929.98	5,865.07	64.91	91.356		
7,400.00	7,261.36	7,564.91	7,240.73	34.08	43.74	5.14	-5,914.52	4,084.40	5,922.51	5,857.05	65.46	90.478		
7,500.00	7,361.31	7,631.33	7,307.13	34.39	43.85	5.12	-5,913.21	4,085.36	5,918.78	5,852.81	65.97	89.720		
7,533.69	7,395.00	7,652.00	7,327.79	34.48	43.89	146.26	-5,912.85	4,085.76	5,918.45	5,852.31	66.14	89.490		
7,575.47	7,436.78	7,677.00	7,352.78	34.58	43.93	146.25	-5,912.44	4,086.30	5,918.38	5,852.05	66.34	89.219		
7,600.00	7,461.31	7,677.00	7,352.78	34.65	43.93	146.25	-5,912.44	4,086.30	5,918.43	5,851.99	66.44	89.077		
7,633.69	7,495.00	7,710.81	7,386.58	34.73	43.99	146.24	-5,911.99	4,087.10	5,918.50	5,851.89	66.61	88.847		
7,650.00	7,511.31	7,720.11	7,395.88	34.78	44.00	-33.43	-5,911.89	4,087.33	5,918.38	5,851.69	66.69	88.739		
7,700.00	7,561.16	7,748.54	7,424.30	34.94	44.05	-33.59	-5,911.66	4,088.04	5,915.73	5,848.78	66.95	88.360		
7,750.00	7,610.51	7,750.00	7,508.89	35.14	44.06	-34.04	-5,910.90	4,089.93	5,909.34	5,842.23	67.10	88.066		
7,800.00	7,658.98	7,919.08	7,594.78	35.37	44.36	-34.76	-5,909.63	4,091.57	5,899.03	5,831.45	67.59	87.283		
7,850.00	7,706.21	7,955.39	7,631.08	35.64	44.42	-35.67	-5,909.04	4,092.29	5,885.28	5,817.41	67.87	86.709		
7,900.00	7,751.82	7,981.23	7,656.91	35.93	44.47	-36.81	-5,908.66	4,092.85	5,868.29	5,800.13	68.16	86.098		
7,950.00	7,795.49	8,003.94	7,679.61	36.26	44.51	-38.22	-5,908.38	4,093.41	5,848.25	5,779.81	68.44	85.450		
8,000.00	7,836.86	8,025.48	7,701.15	36.62	44.55	-39.94	-5,908.16	4,094.00	5,825.31	5,756.59	68.72	84.767		
8,050.00	7,875.64	8,058.00	7,733.65	37.00	44.60	-42.07	-5,907.92	4,095.00	5,799.65	5,730.64	69.01	84.043		
8,100.00	7,911.52	8,069.96	7,745.60	37.42	44.63	-44.49	-5,907.86	4,095.39	5,771.39	5,702.12	69.28	83.311		
8,150.00	7,944.22	8,101.65	7,777.27	37.86	44.69	-47.51	-5,907.74	4,096.35	5,740.75	5,671.20	69.56	82.535		
8,200.00	7,973.51	8,130.15	7,805.77	38.32	44.74	-51.04	-5,907.70	4,097.13	5,707.93	5,638.11	69.83	81.744		
8,250.00	7,999.16	8,155.49	7,831.10	38.81	44.79	-55.15	-5,907.70	4,097.77	5,673.21	5,603.12	70.09	80.943		
8,300.00	8,020.98	8,179.26	7,854.86	39.31	44.84	-59.89	-5,907.73	4,098.33	5,636.84	5,566.50	70.34	80.132		
8,350.00	8,038.79	8,198.73	7,874.32	39.84	44.88	-65.24	-5,907.76	4,098.77	5,599.14	5,528.55	70.59	79.320		
8,400.00	8,052.46	8,213.74	7,889.33	40.38	44.91	-71.15	-5,907.79	4,099.09	5,560.39	5,489.57	70.82	78.512		
8,450.00	8,061.89	8,224.16	7,899.75	40.93	44.93	-77.51	-5,907.82	4,099.30	5,520.91	5,449.87	71.04	77.710		
8,500.00	8,067.01	8,229.90	7,905.49	41.49	44.95	-84.13	-5,907.83	4,099.42	5,481.02	5,409.76	71.26	76.919		
8,533.77	8,068.00	8,231.09	7,906.68	41.88	44.95	-88.65	-5,907.84	4,099.44	5,454.00	5,382.60	71.40	76.391		
8,600.00	8,068.00	8,231.30	7,906.89	42.64	44.95	-88.65	-5,907.84	4,099.45	5,401.16	5,329.48	71.68	75.354		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 61-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,700.00	8,068.00	8,231.61	7,907.20	43.82	44.95	-88.66	-5,907.84	4,099.45	5,321.95	5,249.79	72.16	73.749		
8,800.00	8,068.00	8,231.92	7,907.51	45.04	44.95	-88.66	-5,907.84	4,099.46	5,243.46	5,170.73	72.73	72.099		
8,900.00	8,067.99	8,232.23	7,907.82	46.30	44.95	-88.67	-5,907.84	4,099.47	5,165.70	5,092.33	73.37	70.409		
9,000.00	8,067.99	8,232.54	7,908.13	47.59	44.95	-88.67	-5,907.84	4,099.47	5,088.72	5,014.63	74.09	68.683		
9,100.00	8,067.99	8,232.86	7,908.45	48.91	44.95	-88.68	-5,907.84	4,099.48	5,012.56	4,937.66	74.90	66.925		
9,200.00	8,067.99	8,233.18	7,908.77	50.26	44.95	-88.68	-5,907.84	4,099.48	4,937.24	4,861.45	75.79	65.141		
9,300.00	8,067.99	8,233.50	7,909.09	51.63	44.95	-88.69	-5,907.84	4,099.49	4,862.82	4,786.04	76.78	63.338		
9,400.00	8,067.99	8,233.82	7,909.41	53.03	44.95	-88.70	-5,907.84	4,099.50	4,789.33	4,711.48	77.85	61.522		
9,500.00	8,067.98	8,234.14	7,909.73	54.44	44.96	-88.70	-5,907.84	4,099.50	4,716.81	4,637.80	79.01	59.699		
9,600.00	8,067.98	8,234.47	7,910.06	55.88	44.96	-88.71	-5,907.84	4,099.51	4,645.31	4,565.05	80.26	57.877		
9,700.00	8,067.98	8,234.79	7,910.38	57.34	44.96	-88.71	-5,907.85	4,099.52	4,574.88	4,493.28	81.60	56.061		
9,800.00	8,067.98	8,235.12	7,910.71	58.81	44.96	-88.72	-5,907.85	4,099.52	4,505.57	4,422.54	83.04	54.259		
9,900.00	8,067.98	8,235.45	7,911.04	60.31	44.96	-88.72	-5,907.85	4,099.53	4,437.44	4,352.88	84.56	52.477		
10,000.00	8,067.98	8,235.79	7,911.37	61.81	44.96	-88.73	-5,907.85	4,099.54	4,370.52	4,284.35	86.17	50.719		
10,100.00	8,067.98	8,236.12	7,911.71	63.33	44.96	-88.74	-5,907.85	4,099.54	4,304.89	4,217.02	87.87	48.992		
10,200.00	8,067.97	8,236.46	7,912.05	64.86	44.96	-88.74	-5,907.85	4,099.55	4,240.60	4,150.95	89.65	47.301		
10,300.00	8,067.97	8,236.79	7,912.38	66.41	44.96	-88.75	-5,907.85	4,099.56	4,177.72	4,086.20	91.52	45.650		
10,400.00	8,067.97	8,237.13	7,912.72	67.96	44.96	-88.75	-5,907.85	4,099.56	4,116.31	4,022.84	93.46	44.042		
10,500.00	8,067.97	8,237.48	7,913.06	69.53	44.96	-88.76	-5,907.85	4,099.57	4,056.43	3,960.94	95.49	42.481		
10,600.00	8,067.97	8,237.82	7,913.41	71.10	44.96	-88.76	-5,907.85	4,099.58	3,998.16	3,900.57	97.59	40.971		
10,700.00	8,067.97	8,238.17	7,913.75	72.69	44.96	-88.77	-5,907.85	4,099.58	3,941.56	3,841.80	99.76	39.512		
10,800.00	8,067.97	8,238.51	7,914.10	74.28	44.96	-88.78	-5,907.86	4,099.59	3,886.71	3,784.72	101.99	38.108		
10,900.00	8,067.97	8,238.86	7,914.45	75.88	44.96	-88.78	-5,907.86	4,099.60	3,833.68	3,729.39	104.29	36.760		
11,000.00	8,067.97	8,239.22	7,914.80	77.49	44.97	-88.79	-5,907.86	4,099.60	3,782.56	3,675.91	106.65	35.468		
11,100.00	8,067.97	8,239.57	7,915.16	79.10	44.97	-88.80	-5,907.86	4,099.61	3,733.41	3,624.36	109.06	34.234		
11,200.00	8,067.96	8,239.93	7,915.51	80.73	44.97	-88.80	-5,907.86	4,099.62	3,686.33	3,574.82	111.51	33.059		
11,300.00	8,067.96	8,240.28	7,915.87	82.35	44.97	-88.81	-5,907.86	4,099.62	3,641.38	3,527.37	114.00	31.941		
11,400.00	8,067.96	8,240.64	7,916.23	83.99	44.97	-88.81	-5,907.86	4,099.63	3,598.64	3,482.12	116.53	30.882		
11,500.00	8,067.96	8,241.01	7,916.59	85.63	44.97	-88.82	-5,907.86	4,099.64	3,558.21	3,439.13	119.08	29.881		
11,600.00	8,067.96	8,241.37	7,916.96	87.27	44.97	-88.83	-5,907.86	4,099.64	3,520.15	3,398.51	121.64	28.938		
11,700.00	8,067.96	8,241.74	7,917.32	88.92	44.97	-88.83	-5,907.87	4,099.65	3,484.55	3,360.33	124.22	28.052		
11,800.00	8,067.96	8,242.10	7,917.69	90.58	44.97	-88.84	-5,907.87	4,099.66	3,451.48	3,324.69	126.79	27.222		
11,900.00	8,067.96	8,242.48	7,918.06	92.23	44.97	-88.85	-5,907.87	4,099.67	3,421.01	3,291.66	129.35	26.447		
12,000.00	8,067.96	8,242.85	7,918.44	93.90	44.97	-88.85	-5,907.87	4,099.67	3,393.22	3,261.33	131.89	25.727		
12,100.00	8,067.96	8,243.22	7,918.81	95.56	44.97	-88.86	-5,907.87	4,099.68	3,368.17	3,233.77	134.40	25.060		
12,200.00	8,067.96	8,243.60	7,919.19	97.23	44.97	-88.87	-5,907.87	4,099.69	3,345.92	3,209.05	136.87	24.446		
12,300.00	8,067.96	8,243.98	7,919.57	98.91	44.98	-88.87	-5,907.87	4,099.69	3,326.53	3,187.24	139.29	23.882		
12,400.00	8,067.96	8,244.36	7,919.95	100.59	44.98	-88.88	-5,907.87	4,099.70	3,310.05	3,168.40	141.65	23.368		
12,500.00	8,067.96	8,244.75	7,920.33	102.27	44.98	-88.89	-5,907.87	4,099.71	3,296.52	3,152.58	143.93	22.903		
12,600.00	8,067.96	8,245.13	7,920.72	103.95	44.98	-88.89	-5,907.88	4,099.72	3,285.98	3,139.84	146.14	22.485		
12,700.00	8,067.96	8,245.52	7,921.11	105.64	44.98	-88.90	-5,907.88	4,099.72	3,278.45	3,130.19	148.26	22.113		
12,800.00	8,067.96	8,245.91	7,921.50	107.33	44.98	-88.91	-5,907.88	4,099.73	3,273.97	3,123.68	150.29	21.785		
12,896.95	8,067.96	8,246.30	7,921.88	108.97	44.98	-88.91	-5,907.88	4,099.74	3,272.53	3,120.38	152.15	21.509 CC		
12,900.00	8,067.96	8,246.31	7,921.89	109.02	44.98	-88.91	-5,907.88	4,099.74	3,272.53	3,120.33	152.21	21.501		
13,000.00	8,067.96	8,246.70	7,922.29	110.71	44.98	-88.92	-5,907.88	4,099.75	3,274.15	3,120.14	154.02	21.258 ES		
13,100.00	8,067.96	8,247.10	7,922.69	112.41	44.98	-88.93	-5,907.88	4,099.75	3,278.82	3,123.11	155.72	21.056		
13,200.00	8,067.96	8,247.50	7,923.09	114.11	44.98	-88.93	-5,907.88	4,099.76	3,286.53	3,129.23	157.30	20.894		
13,300.00	8,067.96	8,247.91	7,923.49	115.81	44.98	-88.94	-5,907.88	4,099.77	3,297.26	3,138.50	158.76	20.769		
13,400.00	8,067.96	8,248.31	7,923.90	117.52	44.98	-88.95	-5,907.89	4,099.78	3,310.97	3,150.87	160.10	20.681		
13,500.00	8,067.96	8,248.72	7,924.31	119.22	44.98	-88.96	-5,907.89	4,099.78	3,327.63	3,166.31	161.32	20.628		
13,600.00	8,067.96	8,249.13	7,924.72	120.93	44.99	-88.96	-5,907.89	4,099.79	3,347.20	3,184.79	162.41	20.610 SF		
13,700.00	8,067.96	8,249.54	7,925.13	122.64	44.99	-88.97	-5,907.89	4,099.80	3,369.62	3,206.23	163.38	20.624		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Sec 34-T1N-R68W - BICKLER 24-34 - Wellbore #1 - Wellbore #1		Offset Site Error:		0.00 usft
Survey Program: 61-MWD															Offset Well Error:		0.00 usft
Reference		Offset		Semi Major Axis			Distance										
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning					
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	(usft)	(usft)	(usft)						
13,800.00	8,067.96	8,249.96	7,925.55	124.35	44.99	-88.98	-5,907.89	4,099.81	3,394.84	3,230.60	164.24	20.670					
13,900.00	8,067.96	8,250.38	7,925.96	126.06	44.99	-88.98	-5,907.89	4,099.82	3,422.79	3,257.81	164.98	20.747					
14,000.00	8,067.96	8,250.80	7,926.39	127.78	44.99	-88.99	-5,907.89	4,099.82	3,453.42	3,287.81	165.61	20.853					
14,100.00	8,067.96	8,251.22	7,926.81	129.50	44.99	-89.00	-5,907.89	4,099.83	3,486.65	3,320.52	166.13	20.987					
14,200.00	8,067.96	8,251.65	7,927.24	131.21	44.99	-89.01	-5,907.90	4,099.84	3,522.40	3,355.85	166.55	21.149					
14,300.00	8,067.96	8,252.08	7,927.67	132.93	44.99	-89.01	-5,907.90	4,099.85	3,560.61	3,393.73	166.88	21.336					
14,400.00	8,067.96	8,252.51	7,928.10	134.65	44.99	-89.02	-5,907.90	4,099.86	3,601.18	3,434.07	167.12	21.549					
14,500.00	8,067.96	8,252.95	7,928.53	136.38	44.99	-89.03	-5,907.90	4,099.86	3,644.05	3,476.79	167.27	21.786					
14,600.00	8,067.96	8,253.38	7,928.97	138.10	44.99	-89.04	-5,907.90	4,099.87	3,689.13	3,521.80	167.34	22.046					
14,700.00	8,067.96	8,253.82	7,929.41	139.82	45.00	-89.05	-5,907.90	4,099.88	3,736.35	3,569.01	167.34	22.328					
14,800.00	8,067.96	8,254.27	7,929.85	141.55	45.00	-89.05	-5,907.90	4,099.89	3,785.62	3,618.35	167.27	22.632					
14,900.00	8,067.96	8,254.71	7,930.30	143.28	45.00	-89.06	-5,907.91	4,099.90	3,836.86	3,669.72	167.14	22.956					
15,000.00	8,067.96	8,255.16	7,930.75	145.00	45.00	-89.07	-5,907.91	4,099.90	3,890.00	3,723.04	166.96	23.299					
15,100.00	8,067.96	8,255.61	7,931.20	146.73	45.00	-89.08	-5,907.91	4,099.91	3,944.95	3,778.23	166.72	23.662					
15,200.00	8,067.96	8,256.07	7,931.65	148.46	45.00	-89.08	-5,907.91	4,099.92	4,001.66	3,835.21	166.44	24.042					
15,300.00	8,067.96	8,256.53	7,932.11	150.19	45.00	-89.09	-5,907.91	4,099.93	4,060.03	3,893.91	166.12	24.440					
15,400.00	8,067.96	8,256.99	7,932.57	151.93	45.00	-89.10	-5,907.91	4,099.94	4,120.00	3,954.24	165.77	24.854					
15,500.00	8,067.96	8,257.45	7,933.03	153.66	45.00	-89.11	-5,907.92	4,099.95	4,181.51	4,016.13	165.38	25.284					
15,600.00	8,067.96	8,257.92	7,933.50	155.39	45.00	-89.12	-5,907.92	4,099.96	4,244.48	4,079.51	164.97	25.729					
15,700.00	8,067.97	8,258.39	7,933.97	157.13	45.00	-89.13	-5,907.92	4,099.96	4,308.85	4,144.32	164.53	26.189					
15,800.00	8,067.97	8,258.86	7,934.44	158.86	45.01	-89.13	-5,907.92	4,099.97	4,374.56	4,210.49	164.07	26.663					
15,900.00	8,067.97	8,259.34	7,934.92	160.60	45.01	-89.14	-5,907.92	4,099.98	4,441.55	4,277.95	163.60	27.150					
16,000.00	8,067.97	8,259.81	7,935.40	162.34	45.01	-89.15	-5,907.92	4,099.99	4,509.76	4,346.66	163.10	27.649					
16,100.00	8,067.97	8,260.30	7,935.88	164.08	45.01	-89.16	-5,907.92	4,100.00	4,579.14	4,416.54	162.60	28.162					
16,200.00	8,067.97	8,260.78	7,936.37	165.81	45.01	-89.17	-5,907.93	4,100.01	4,649.64	4,487.54	162.09	28.685					
16,300.00	8,067.97	8,261.27	7,936.86	167.55	45.01	-89.18	-5,907.93	4,100.02	4,721.20	4,559.62	161.57	29.220					
16,400.00	8,067.97	8,261.76	7,937.35	169.29	45.01	-89.18	-5,907.93	4,100.03	4,793.77	4,632.73	161.05	29.766					
16,500.00	8,067.97	8,262.26	7,937.84	171.04	45.01	-89.19	-5,907.93	4,100.03	4,867.32	4,706.80	160.52	30.322					
16,600.00	8,067.98	8,262.76	7,938.34	172.78	45.01	-89.20	-5,907.93	4,100.04	4,941.80	4,781.81	159.99	30.888					
16,700.00	8,067.98	8,263.26	7,938.84	174.52	45.01	-89.21	-5,907.94	4,100.05	5,017.17	4,857.71	159.46	31.464					
16,800.00	8,067.98	8,263.77	7,939.35	176.26	45.02	-89.22	-5,907.94	4,100.06	5,093.38	4,934.46	158.93	32.048					
16,900.00	8,067.98	8,264.28	7,939.86	178.01	45.02	-89.23	-5,907.94	4,100.07	5,170.41	5,012.01	158.40	32.641					
17,000.00	8,067.98	8,264.79	7,940.37	179.75	45.02	-89.24	-5,907.94	4,100.08	5,248.21	5,090.34	157.87	33.243					
17,100.00	8,067.98	8,265.30	7,940.89	181.49	45.02	-89.25	-5,907.94	4,100.09	5,326.75	5,169.40	157.35	33.853					
17,200.00	8,067.98	8,265.82	7,941.41	183.24	45.02	-89.26	-5,907.94	4,100.10	5,406.00	5,249.17	156.83	34.470					
17,300.00	8,067.99	8,266.35	7,941.93	184.99	45.02	-89.26	-5,907.95	4,100.11	5,485.93	5,329.61	156.32	35.094					
17,400.00	8,067.99	8,266.92	7,941.50	186.73	45.02	-89.26	-5,907.94	4,100.10	5,566.51	5,410.70	155.81	35.727					
17,500.00	8,067.99	8,266.42	7,942.01	188.48	45.02	-89.27	-5,907.95	4,100.11	5,647.71	5,492.40	155.31	36.365					
17,600.00	8,067.99	8,266.93	7,942.52	190.23	45.02	-89.28	-5,907.95	4,100.12	5,729.50	5,574.69	154.81	37.010					
17,700.00	8,067.99	8,267.45	7,943.03	191.97	45.02	-89.28	-5,907.95	4,100.13	5,811.86	5,657.54	154.32	37.661					
17,800.00	8,067.99	8,267.97	7,943.55	193.72	45.03	-89.29	-5,907.95	4,100.14	5,894.77	5,740.93	153.84	38.318					
17,900.00	8,068.00	8,268.49	7,944.07	195.47	45.03	-89.30	-5,907.95	4,100.15	5,978.20	5,824.83	153.36	38.981					
18,000.00	8,068.00	8,269.02	7,944.60	197.22	45.03	-89.31	-5,907.96	4,100.16	6,062.13	5,909.23	152.90	39.649					
18,100.00	8,068.00	8,269.54	7,945.13	198.97	45.03	-89.32	-5,907.96	4,100.17	6,146.54	5,994.11	152.44	40.322					
18,184.63	8,068.00	8,270.00	7,945.58	200.45	45.03	-89.33	-5,907.96	4,100.18	6,218.34	6,066.29	152.05	40.896					
18,185.16	8,068.00	8,270.00	7,945.58	200.47	45.03	-89.33	-5,907.96	4,100.18	6,218.79	6,065.73	153.06	40.629					



# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1154-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	0.00	0.00	0.00	0.00	130.31	-3,975.34	4,686.55	6,146.05					
100.00	100.00	18.27	18.27	0.13	0.03	130.31	-3,975.34	4,686.55	6,145.49	6,145.33	0.17	N/A		
200.00	200.00	125.71	125.71	0.49	0.22	130.31	-3,975.36	4,686.42	6,145.41	6,144.69	0.72	8,579.991		
300.00	300.00	233.16	233.16	0.85	0.41	130.31	-3,975.39	4,686.10	6,145.21	6,143.94	1.27	4,855.519		
400.00	400.00	340.60	340.60	1.21	0.61	130.31	-3,975.46	4,685.59	6,144.89	6,143.07	1.81	3,385.670		
500.00	500.00	448.05	448.04	1.57	0.80	130.32	-3,975.54	4,684.90	6,144.44	6,142.08	2.36	2,598.826		
600.00	600.00	555.49	555.48	1.93	0.99	130.32	-3,975.65	4,684.00	6,143.87	6,140.96	2.91	2,108.654		
700.00	700.00	662.92	662.91	2.29	1.18	130.33	-3,975.79	4,682.92	6,143.19	6,139.72	3.46	1,773.968		
800.00	800.00	770.36	770.34	2.64	1.37	130.34	-3,975.94	4,681.65	6,142.38	6,138.37	4.01	1,530.900		
900.00	900.00	877.78	877.75	3.00	1.56	130.35	-3,976.12	4,680.19	6,141.45	6,136.89	4.56	1,346.352		
1,000.00	1,000.00	985.21	985.16	3.36	1.75	130.36	-3,976.32	4,678.54	6,140.40	6,135.29	5.11	1,201.453		
1,100.00	1,100.00	1,092.62	1,092.56	3.72	1.94	130.37	-3,976.55	4,676.70	6,139.23	6,133.57	5.66	1,084.660		
1,200.00	1,200.00	1,200.03	1,199.95	4.08	2.13	130.39	-3,976.80	4,674.66	6,137.94	6,131.73	6.21	988.513		
1,300.00	1,299.98	1,298.71	1,298.61	4.42	2.57	-10.76	-3,977.02	4,672.80	6,134.93	6,127.94	6.99	877.549		
1,400.00	1,399.84	1,412.87	1,412.75	4.75	2.98	-10.78	-3,977.19	4,670.53	6,128.38	6,120.65	7.73	792.482		
1,500.00	1,499.45	1,533.71	1,533.56	5.09	3.42	-10.82	-3,977.18	4,667.79	6,118.09	6,109.59	8.50	719.507		
1,600.00	1,598.70	1,645.09	1,644.91	5.44	3.82	-10.88	-3,976.96	4,664.96	6,104.07	6,094.83	9.24	660.452		
1,700.00	1,697.47	1,727.05	1,726.84	5.81	4.12	-10.96	-3,976.78	4,662.94	6,086.72	6,076.84	9.88	616.154		
1,800.00	1,795.62	1,801.27	1,801.05	6.19	4.38	-11.06	-3,976.63	4,661.42	6,066.33	6,055.84	10.49	578.298		
1,846.33	1,840.86	1,829.07	1,828.84	6.38	4.48	-11.11	-3,976.60	4,660.97	6,055.92	6,045.17	10.75	563.218		
1,900.00	1,893.17	1,860.99	1,860.76	6.60	4.60	-11.12	-3,976.55	4,660.57	6,043.58	6,032.53	11.05	546.840		
2,000.00	1,990.64	1,907.61	1,907.38	7.02	4.76	-11.14	-3,976.39	4,660.50	6,021.23	6,009.67	11.56	520.886		
2,100.00	2,088.10	1,968.12	1,967.88	7.46	4.96	-11.17	-3,976.03	4,661.07	5,999.59	5,987.48	12.11	495.435		
2,200.00	2,185.57	2,071.57	2,071.31	7.91	5.29	-11.24	-3,974.89	4,662.81	5,978.18	5,965.38	12.81	466.861		
2,300.00	2,283.03	2,173.52	2,173.20	8.37	5.63	-11.31	-3,972.66	4,665.35	5,956.71	5,943.20	13.50	441.111		
2,400.00	2,380.50	2,259.07	2,258.67	8.84	5.92	-11.39	-3,970.08	4,668.12	5,935.28	5,921.13	14.16	419.305		
2,500.00	2,477.97	2,370.74	2,370.21	9.32	6.30	-11.49	-3,966.44	4,672.07	5,913.95	5,899.05	14.90	396.946		
2,600.00	2,575.43	2,462.67	2,462.03	9.80	6.61	-11.57	-3,963.42	4,675.18	5,892.48	5,876.90	15.58	378.167		
2,700.00	2,672.90	2,556.49	2,555.73	10.28	6.94	-11.66	-3,960.14	4,678.65	5,871.14	5,854.86	16.28	360.735		
2,800.00	2,770.36	2,640.86	2,639.98	10.77	7.23	-11.75	-3,957.09	4,682.04	5,849.96	5,833.02	16.94	345.306		
2,900.00	2,867.83	2,748.55	2,747.55	11.26	7.60	-11.85	-3,953.70	4,685.91	5,828.79	5,811.10	17.69	329.519		
3,000.00	2,965.29	2,865.84	2,864.77	11.76	8.01	-11.94	-3,951.11	4,688.68	5,807.27	5,788.80	18.47	314.416		
3,100.00	3,062.76	2,976.16	2,975.08	12.26	8.40	-12.01	-3,949.71	4,689.96	5,785.43	5,766.20	19.23	300.868		
3,200.00	3,160.23	3,054.55	3,053.46	12.76	8.67	-12.06	-3,948.81	4,691.06	5,763.86	5,743.98	19.88	289.877		
3,300.00	3,257.69	3,167.14	3,165.98	13.27	9.07	-12.15	-3,946.09	4,693.62	5,742.18	5,721.52	20.66	277.992		
3,400.00	3,355.16	3,278.69	3,277.38	13.77	9.46	-12.27	-3,941.68	4,697.35	5,720.39	5,698.96	21.43	266.946		
3,500.00	3,452.62	3,372.52	3,371.03	14.28	9.80	-12.37	-3,937.17	4,700.85	5,698.37	5,676.23	22.15	257.310		
3,600.00	3,550.09	3,451.00	3,449.36	14.79	10.08	-12.46	-3,933.44	4,704.00	5,676.63	5,653.82	22.81	248.828		
3,700.00	3,647.55	3,529.41	3,527.64	15.30	10.36	-12.55	-3,930.05	4,707.24	5,655.25	5,631.77	23.48	240.832		
3,800.00	3,745.02	3,628.07	3,626.13	15.81	10.71	-12.66	-3,926.09	4,711.39	5,634.13	5,609.91	24.22	232.622		
3,900.00	3,842.49	3,755.18	3,752.99	16.32	11.17	-12.80	-3,920.18	4,716.55	5,612.50	5,587.45	25.06	224.000		
4,000.00	3,939.95	3,894.26	3,891.78	16.84	11.67	-12.97	-3,912.98	4,722.00	5,590.54	5,564.60	25.93	215.577		
4,100.00	4,037.42	3,971.20	3,968.58	17.35	11.95	-13.06	-3,909.07	4,724.73	5,568.33	5,541.72	26.60	209.300		
4,200.00	4,134.88	4,034.14	4,031.39	17.87	12.18	-13.14	-3,906.01	4,727.18	5,546.55	5,519.32	27.23	203.688		
4,300.00	4,232.35	4,118.14	4,115.26	18.39	12.48	-13.23	-3,902.60	4,730.56	5,525.36	5,497.43	27.93	197.847		
4,400.00	4,329.81	4,208.06	4,205.01	18.90	12.81	-13.34	-3,898.63	4,734.30	5,504.10	5,475.45	28.65	192.147		
4,500.00	4,427.28	4,277.63	4,274.43	19.42	13.06	-13.42	-3,895.58	4,737.63	5,483.33	5,454.04	29.30	187.163		
4,600.00	4,524.75	4,383.02	4,379.60	19.94	13.44	-13.55	-3,891.17	4,742.75	5,462.79	5,432.72	30.07	181.672		
4,700.00	4,622.21	4,497.07	4,493.38	20.46	13.86	-13.70	-3,885.65	4,748.29	5,441.85	5,410.98	30.87	176.266		
4,800.00	4,719.68	4,600.95	4,596.97	20.98	14.24	-13.84	-3,880.18	4,753.69	5,420.98	5,389.33	31.64	171.308		
4,900.00	4,817.14	4,768.96	4,764.78	21.50	14.85	-14.03	-3,873.96	4,758.62	5,399.29	5,366.67	32.62	165.534		
5,000.00	4,914.61	4,864.34	4,860.08	22.02	15.19	-14.12	-3,870.73	4,760.33	5,376.94	5,343.59	33.35	161.207		

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



# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1154-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	5,012.07	4,936.34	4,932.01	22.54	15.45	-14.20	-3,867.92	4,762.21	5,354.93	5,320.91	34.02	157.405		
5,200.00	5,109.54	5,011.28	5,006.84	23.06	15.72	-14.29	-3,864.78	4,764.75	5,333.38	5,298.68	34.70	153.711		
5,300.00	5,207.01	5,113.27	5,108.62	23.59	16.10	-14.43	-3,859.89	4,769.05	5,312.14	5,276.67	35.46	149.786		
5,400.00	5,304.47	5,210.14	5,205.26	24.11	16.45	-14.56	-3,854.71	4,773.17	5,290.62	5,254.40	36.22	146.078		
5,500.00	5,401.94	5,280.75	5,275.73	24.63	16.71	-14.65	-3,851.26	4,776.21	5,269.45	5,232.56	36.89	142.856		
5,600.00	5,499.40	5,344.00	5,338.84	25.16	16.94	-14.74	-3,848.49	4,779.19	5,248.90	5,211.37	37.53	139.854		
5,700.00	5,596.87	5,429.49	5,424.15	25.68	17.26	-14.85	-3,844.96	4,783.52	5,228.81	5,190.56	38.25	136.705		
5,800.00	5,694.33	5,542.42	5,536.82	26.20	17.67	-15.01	-3,839.96	4,789.47	5,208.73	5,169.67	39.06	133.360		
5,900.00	5,791.80	5,665.14	5,659.21	26.73	18.12	-15.19	-3,833.80	4,795.78	5,188.23	5,148.33	39.90	130.032		
6,000.00	5,889.27	5,769.91	5,763.79	27.25	18.51	-15.33	-3,829.11	4,800.32	5,167.45	5,126.76	40.68	127.020		
6,100.00	5,986.73	5,863.34	5,857.98	27.78	18.93	-15.49	-3,823.82	4,805.22	5,146.58	5,105.09	41.49	124.036		
6,200.00	6,084.20	5,966.44	5,959.87	28.30	19.31	-15.63	-3,818.79	4,809.38	5,125.39	5,083.11	42.27	121.250		
6,300.00	6,181.66	6,072.86	6,066.12	28.82	19.62	-15.76	-3,814.54	4,812.99	5,104.31	5,061.31	43.00	118.709		
6,400.00	6,279.13	6,154.28	6,147.37	29.35	19.92	-15.87	-3,810.71	4,816.52	5,083.52	5,039.80	43.71	116.299		
6,500.00	6,376.59	6,261.57	6,254.47	29.88	20.32	-16.02	-3,806.29	4,821.01	5,062.96	5,018.46	44.50	113.768		
6,600.00	6,474.06	6,363.59	6,356.38	30.40	20.76	-16.17	-3,802.33	4,824.47	5,041.82	4,996.49	45.33	111.217		
6,700.00	6,571.53	6,472.67	6,465.43	30.93	21.08	-16.25	-3,801.09	4,825.83	5,020.73	4,974.67	46.06	109.007		
6,800.00	6,668.99	6,569.95	6,562.70	31.45	21.49	-16.36	-3,800.06	4,826.81	4,999.38	4,952.52	46.86	106.683		
6,887.36	6,754.14	6,668.25	6,661.01	31.91	21.77	-16.42	-3,799.61	4,827.24	4,980.69	4,933.19	47.49	104.869		
6,900.00	6,766.46	6,678.51	6,671.27	31.98	21.80	-16.42	-3,799.57	4,827.29	4,978.02	4,930.44	47.58	104.619		
7,000.00	6,864.39	6,763.48	6,756.23	32.48	22.10	-16.37	-3,799.39	4,827.84	4,958.97	4,910.69	48.28	102.703		
7,100.00	6,962.96	6,860.31	6,853.06	32.94	22.44	-16.34	-3,799.19	4,828.61	4,943.36	4,894.35	49.01	100.865		
7,200.00	7,062.06	6,959.34	6,952.09	33.36	22.78	-16.32	-3,799.09	4,829.33	4,931.07	4,881.34	49.73	99.158		
7,300.00	7,161.57	7,056.58	7,049.32	33.74	23.12	-16.31	-3,799.08	4,830.01	4,922.15	4,871.71	50.43	97.601		
7,400.00	7,261.36	7,148.51	7,141.25	34.08	23.44	-16.30	-3,799.16	4,830.67	4,916.63	4,865.53	51.11	96.205		
7,500.00	7,361.31	7,232.07	7,224.80	34.39	23.73	-16.30	-3,799.26	4,831.55	4,914.77	4,863.02	51.74	94.982		
7,501.15	7,362.45	7,233.12	7,225.86	34.39	23.73	-16.30	-3,799.27	4,831.57	4,914.77	4,863.01	51.75	94.968		
7,533.69	7,395.00	7,263.19	7,255.92	34.48	23.83	124.85	-3,799.36	4,831.91	4,914.95	4,862.99	51.96	94.591		
7,600.00	7,461.31	7,321.09	7,313.82	34.65	24.03	124.84	-3,799.68	4,832.53	4,915.75	4,863.38	52.37	93.874		
7,633.69	7,495.00	7,344.46	7,337.19	34.73	24.11	124.84	-3,799.85	4,832.82	4,916.22	4,863.67	52.55	93.545		
7,650.00	7,511.31	7,355.78	7,348.50	34.78	24.15	-54.81	-3,799.94	4,832.97	4,916.35	4,863.70	52.65	93.380		
7,700.00	7,561.16	7,390.38	7,383.10	34.94	24.27	-54.93	-3,800.23	4,833.52	4,915.16	4,862.20	52.96	92.814		
7,750.00	7,610.51	7,427.10	7,419.81	35.14	24.40	-55.28	-3,800.59	4,834.20	4,911.62	4,858.33	53.29	92.164		
7,800.00	7,658.98	7,465.23	7,457.94	35.37	24.53	-55.86	-3,801.06	4,834.94	4,905.74	4,852.09	53.65	91.437		
7,850.00	7,706.21	7,502.00	7,494.69	35.64	24.65	-56.66	-3,801.61	4,835.68	4,897.56	4,843.54	54.02	90.654		
7,900.00	7,751.82	7,540.15	7,532.83	35.93	24.78	-57.71	-3,802.29	4,836.46	4,887.17	4,832.75	54.42	89.807		
7,950.00	7,795.49	7,576.34	7,569.01	36.26	24.91	-58.99	-3,803.04	4,837.21	4,874.65	4,819.82	54.82	88.914		
8,000.00	7,836.86	7,624.72	7,617.36	36.62	25.07	-60.60	-3,804.13	4,838.20	4,860.10	4,804.82	55.28	87.917		
8,050.00	7,875.64	7,689.23	7,681.85	37.00	25.29	-62.59	-3,805.24	4,839.43	4,843.48	4,787.68	55.80	86.802		
8,100.00	7,911.52	7,729.94	7,722.55	37.42	25.43	-64.69	-3,805.78	4,840.16	4,825.02	4,768.75	56.27	85.751		
8,150.00	7,944.22	7,766.26	7,758.86	37.86	25.55	-67.01	-3,806.24	4,840.80	4,805.00	4,748.26	56.74	84.685		
8,200.00	7,973.51	7,803.84	7,796.43	38.32	25.68	-69.58	-3,806.68	4,841.45	4,783.63	4,726.40	57.23	83.583		
8,250.00	7,999.16	7,844.33	7,836.91	38.81	25.82	-72.41	-3,807.06	4,842.07	4,761.08	4,703.33	57.75	82.445		
8,300.00	8,020.98	7,878.57	7,871.15	39.31	25.94	-75.38	-3,807.30	4,842.54	4,737.59	4,679.32	58.26	81.314		
8,350.00	8,038.79	7,897.66	7,890.24	39.84	26.01	-78.30	-3,807.41	4,842.79	4,713.41	4,654.66	58.75	80.225		
8,400.00	8,052.46	7,911.37	7,903.95	40.38	26.06	-81.27	-3,807.47	4,842.97	4,688.82	4,629.58	59.24	79.147		
8,450.00	8,061.89	7,920.86	7,913.43	40.93	26.09	-84.23	-3,807.51	4,843.10	4,664.02	4,604.29	59.73	78.081		
8,500.00	8,067.01	7,926.07	7,918.65	41.49	26.11	-87.15	-3,807.53	4,843.18	4,639.23	4,579.01	60.22	77.033		
8,533.77	8,068.00	7,927.17	7,919.75	41.88	26.11	-89.07	-3,807.53	4,843.19	4,622.60	4,562.05	60.55	76.339		
8,600.00	8,068.00	7,927.41	7,919.99	42.64	26.11	-89.08	-3,807.53	4,843.20	4,590.48	4,529.26	61.22	74.979		
8,700.00	8,068.00	7,927.78	7,920.35	43.82	26.11	-89.08	-3,807.54	4,843.20	4,543.38	4,481.06	62.32	72.903		
8,800.00	8,068.00	7,928.14	7,920.71	45.04	26.11	-89.09	-3,807.54	4,843.21	4,498.01	4,434.50	63.52	70.815		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1154-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,900.00	8,067.99	7,928.49	7,921.07	46.30	26.11	-89.09	-3,807.54	4,843.21	4,454.43	4,389.62	64.81	68.731		
9,000.00	8,067.99	7,928.85	7,921.42	47.59	26.12	-89.10	-3,807.54	4,843.22	4,412.68	4,346.49	66.19	66.666		
9,100.00	8,067.99	7,929.20	7,921.77	48.91	26.12	-89.10	-3,807.54	4,843.22	4,372.82	4,305.17	67.65	64.634		
9,200.00	8,067.99	7,929.54	7,922.12	50.26	26.12	-89.11	-3,807.54	4,843.23	4,334.90	4,265.70	69.20	62.646		
9,300.00	8,067.99	7,929.89	7,922.46	51.63	26.12	-89.11	-3,807.54	4,843.23	4,298.97	4,228.16	70.81	60.711		
9,400.00	8,067.99	7,930.23	7,922.80	53.03	26.12	-89.12	-3,807.54	4,843.24	4,265.09	4,192.60	72.49	58.838		
9,500.00	8,067.98	7,930.57	7,923.14	54.44	26.12	-89.12	-3,807.55	4,843.24	4,233.29	4,159.07	74.23	57.032		
9,600.00	8,067.98	7,930.90	7,923.48	55.88	26.12	-89.13	-3,807.55	4,843.25	4,203.64	4,127.62	76.02	55.300		
9,700.00	8,067.98	7,931.23	7,923.81	57.34	26.12	-89.13	-3,807.55	4,843.25	4,176.17	4,098.32	77.85	53.644		
9,800.00	8,067.98	7,931.56	7,924.14	58.81	26.13	-89.13	-3,807.55	4,843.26	4,150.93	4,071.20	79.72	52.066		
9,900.00	8,067.98	7,931.89	7,924.47	60.31	26.13	-89.14	-3,807.55	4,843.26	4,127.95	4,046.32	81.63	50.569		
10,000.00	8,067.98	7,932.22	7,924.79	61.81	26.13	-89.14	-3,807.55	4,843.26	4,107.29	4,023.72	83.56	49.152		
10,100.00	8,067.98	7,932.54	7,925.11	63.33	26.13	-89.15	-3,807.55	4,843.27	4,088.96	4,003.45	85.51	47.816		
10,200.00	8,067.97	7,932.86	7,925.43	64.86	26.13	-89.15	-3,807.55	4,843.27	4,073.01	3,985.53	87.48	46.559		
10,300.00	8,067.97	7,933.17	7,925.75	66.41	26.13	-89.16	-3,807.55	4,843.28	4,059.46	3,970.01	89.45	45.382		
10,400.00	8,067.97	7,933.49	7,926.06	67.96	26.13	-89.16	-3,807.56	4,843.28	4,048.33	3,956.91	91.42	44.281		
10,500.00	8,067.97	7,933.80	7,926.38	69.53	26.13	-89.17	-3,807.56	4,843.29	4,039.65	3,946.26	93.39	43.255		
10,600.00	8,067.97	7,934.11	7,926.69	71.10	26.13	-89.17	-3,807.56	4,843.29	4,033.43	3,938.09	95.35	42.302		
10,700.00	8,067.97	7,934.42	7,926.99	72.69	26.14	-89.18	-3,807.56	4,843.30	4,029.69	3,932.40	97.29	41.420		
10,800.00	8,067.97	7,934.72	7,927.30	74.28	26.14	-89.18	-3,807.56	4,843.30	4,028.42	3,929.22	99.21	40.607		
10,801.04	8,067.97	7,934.72	7,927.30	74.30	26.14	-89.18	-3,807.56	4,843.30	4,028.42	3,929.20	99.23	40.599 CC		
10,900.00	8,067.97	7,935.02	7,927.60	75.88	26.14	-89.18	-3,807.56	4,843.30	4,029.64	3,928.54	101.10	39.859 ES		
11,000.00	8,067.97	7,935.32	7,927.90	77.49	26.14	-89.19	-3,807.56	4,843.31	4,033.33	3,930.38	102.96	39.175		
11,100.00	8,067.97	7,935.62	7,928.20	79.10	26.14	-89.19	-3,807.56	4,843.31	4,039.50	3,934.72	104.78	38.553		
11,200.00	8,067.96	7,935.91	7,928.49	80.73	26.14	-89.20	-3,807.56	4,843.32	4,048.13	3,941.57	106.56	37.988		
11,300.00	8,067.96	7,936.21	7,928.78	82.35	26.14	-89.20	-3,807.56	4,843.32	4,059.20	3,950.90	108.30	37.481		
11,400.00	8,067.96	7,936.50	7,929.07	83.99	26.14	-89.20	-3,807.57	4,843.33	4,072.70	3,962.71	109.99	37.026		
11,500.00	8,067.96	7,936.79	7,929.36	85.63	26.14	-89.21	-3,807.57	4,843.33	4,088.61	3,976.97	111.64	36.624		
11,600.00	8,067.96	7,937.07	7,929.65	87.27	26.14	-89.21	-3,807.57	4,843.33	4,106.88	3,993.65	113.23	36.271		
11,700.00	8,067.96	7,937.36	7,929.93	88.92	26.15	-89.22	-3,807.57	4,843.34	4,127.50	4,012.74	114.76	35.965		
11,800.00	8,067.96	7,937.64	7,930.21	90.58	26.15	-89.22	-3,807.57	4,843.34	4,150.43	4,034.18	116.25	35.704		
11,900.00	8,067.96	7,937.92	7,930.49	92.23	26.15	-89.23	-3,807.57	4,843.35	4,175.62	4,057.95	117.67	35.486		
12,000.00	8,067.96	7,938.19	7,930.77	93.90	26.15	-89.23	-3,807.57	4,843.35	4,203.05	4,084.01	119.04	35.309		
12,100.00	8,067.96	7,938.47	7,931.04	95.56	26.15	-89.23	-3,807.57	4,843.35	4,232.66	4,112.32	120.34	35.172		
12,200.00	8,067.96	7,938.74	7,931.32	97.23	26.15	-89.24	-3,807.57	4,843.36	4,264.41	4,142.82	121.59	35.071		
12,300.00	8,067.96	7,939.01	7,931.59	98.91	26.15	-89.24	-3,807.57	4,843.36	4,298.25	4,175.47	122.78	35.007		
12,400.00	8,067.96	7,939.28	7,931.86	100.59	26.15	-89.24	-3,807.57	4,843.37	4,334.14	4,210.22	123.92	34.977 SF		
12,500.00	8,067.96	7,939.55	7,932.12	102.27	26.15	-89.25	-3,807.58	4,843.37	4,372.02	4,247.03	124.99	34.979		
12,600.00	8,067.96	7,939.81	7,932.39	103.95	26.15	-89.25	-3,807.58	4,843.37	4,411.84	4,285.83	126.01	35.012		
12,700.00	8,067.96	7,940.08	7,932.65	105.64	26.16	-89.26	-3,807.58	4,843.38	4,453.55	4,326.57	126.97	35.075		
12,800.00	8,067.96	7,940.34	7,932.91	107.33	26.16	-89.26	-3,807.58	4,843.38	4,497.09	4,369.21	127.88	35.166		
12,900.00	8,067.96	7,940.60	7,933.17	109.02	26.16	-89.26	-3,807.58	4,843.39	4,542.43	4,413.69	128.74	35.285		
13,000.00	8,067.96	7,940.86	7,933.43	110.71	26.16	-89.27	-3,807.58	4,843.39	4,589.49	4,459.95	129.54	35.429		
13,100.00	8,067.96	7,941.11	7,933.69	112.41	26.16	-89.27	-3,807.58	4,843.39	4,638.23	4,507.93	130.30	35.597		
13,200.00	8,067.96	7,941.36	7,933.94	114.11	26.16	-89.27	-3,807.58	4,843.40	4,688.60	4,557.59	131.01	35.789		
13,300.00	8,067.96	7,941.62	7,934.19	115.81	26.16	-89.28	-3,807.58	4,843.40	4,740.54	4,608.87	131.67	36.004		
13,400.00	8,067.96	7,941.87	7,934.44	117.52	26.16	-89.28	-3,807.58	4,843.40	4,794.01	4,661.72	132.28	36.240		
13,500.00	8,067.96	7,942.12	7,934.69	119.22	26.16	-89.29	-3,807.58	4,843.41	4,848.94	4,716.08	132.86	36.497		
13,600.00	8,067.96	7,942.36	7,934.94	120.93	26.16	-89.29	-3,807.58	4,843.41	4,905.31	4,771.91	133.40	36.773		
13,700.00	8,067.96	7,942.61	7,935.18	122.64	26.16	-89.29	-3,807.58	4,843.41	4,963.04	4,829.15	133.89	37.068		
13,800.00	8,067.96	7,942.85	7,935.42	124.35	26.16	-89.30	-3,807.59	4,843.42	5,022.11	4,887.76	134.35	37.380		
13,900.00	8,067.96	7,943.09	7,935.67	126.06	26.17	-89.30	-3,807.59	4,843.42	5,082.45	4,947.68	134.78	37.710		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1154-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,000.00	8,067.96	7,943.33	7,935.91	127.78	26.17	-89.30	-3,807.59	4,843.42	5,144.03	5,008.87	135.17	38.057		
14,100.00	8,067.96	7,943.57	7,936.14	129.50	26.17	-89.31	-3,807.59	4,843.43	5,206.81	5,071.28	135.53	38.419		
14,200.00	8,067.96	7,943.81	7,936.38	131.21	26.17	-89.31	-3,807.59	4,843.43	5,270.73	5,134.87	135.86	38.796		
14,300.00	8,067.96	7,944.04	7,936.61	132.93	26.17	-89.31	-3,807.59	4,843.44	5,335.76	5,199.60	136.16	39.187		
14,400.00	8,067.96	7,944.27	7,936.85	134.65	26.17	-89.32	-3,807.59	4,843.44	5,401.86	5,265.43	136.44	39.592		
14,500.00	8,067.96	7,944.50	7,937.08	136.38	26.17	-89.32	-3,807.59	4,843.44	5,468.99	5,332.31	136.69	40.010		
14,600.00	8,067.96	7,944.73	7,937.31	138.10	26.17	-89.32	-3,807.59	4,843.45	5,537.12	5,400.20	136.92	40.441		
14,700.00	8,067.96	7,944.96	7,937.54	139.82	26.17	-89.33	-3,807.59	4,843.45	5,606.19	5,469.07	137.12	40.885		
14,800.00	8,067.96	7,945.19	7,937.76	141.55	26.17	-89.33	-3,807.59	4,843.45	5,676.19	5,538.89	137.31	41.339		
14,900.00	8,067.96	7,945.42	7,937.99	143.28	26.17	-89.33	-3,807.59	4,843.46	5,747.08	5,609.61	137.47	41.805		
15,000.00	8,067.96	7,945.64	7,938.21	145.00	26.17	-89.34	-3,807.59	4,843.46	5,818.82	5,681.20	137.62	42.282		
15,100.00	8,067.96	7,945.86	7,938.44	146.73	26.18	-89.34	-3,807.59	4,843.46	5,891.39	5,753.64	137.75	42.769		
15,200.00	8,067.96	7,946.08	7,938.66	148.46	26.18	-89.34	-3,807.59	4,843.47	5,964.75	5,826.88	137.86	43.265		
15,300.00	8,067.96	7,946.30	7,938.88	150.19	26.18	-89.34	-3,807.60	4,843.47	6,038.87	5,900.91	137.96	43.771		
15,400.00	8,067.96	7,946.52	7,939.09	151.93	26.18	-89.35	-3,807.60	4,843.47	6,113.73	5,975.68	138.05	44.287		
15,500.00	8,067.96	7,946.74	7,939.31	153.66	26.18	-89.35	-3,807.60	4,843.47	6,189.30	6,051.18	138.12	44.811		
15,600.00	8,067.96	7,946.95	7,939.52	155.39	26.18	-89.35	-3,807.60	4,843.48	6,265.56	6,127.38	138.18	45.343		
15,700.00	8,067.97	7,947.16	7,939.74	157.13	26.18	-89.36	-3,807.60	4,843.48	6,342.47	6,204.24	138.23	45.883		
15,800.00	8,067.97	7,947.38	7,939.95	158.86	26.18	-89.36	-3,807.60	4,843.48	6,420.02	6,281.75	138.27	46.431		
15,900.00	8,067.97	7,947.59	7,940.16	160.60	26.18	-89.36	-3,807.60	4,843.49	6,498.19	6,359.89	138.30	46.987		
16,000.00	8,067.97	7,947.80	7,940.37	162.34	26.18	-89.37	-3,807.60	4,843.49	6,576.94	6,438.63	138.32	47.550		
16,100.00	8,067.97	7,948.00	7,940.58	164.08	26.18	-89.37	-3,807.60	4,843.49	6,656.27	6,517.94	138.33	48.119		
16,200.00	8,067.97	7,948.21	7,940.79	165.81	26.18	-89.37	-3,807.60	4,843.50	6,736.15	6,597.82	138.33	48.695		
16,300.00	8,067.97	7,948.42	7,940.99	167.55	26.18	-89.38	-3,807.60	4,843.50	6,816.56	6,678.23	138.33	49.278		
16,400.00	8,067.97	7,948.62	7,941.19	169.29	26.19	-89.38	-3,807.60	4,843.50	6,897.48	6,759.16	138.32	49.867		
16,500.00	8,067.97	7,948.82	7,941.40	171.04	26.19	-89.38	-3,807.60	4,843.51	6,978.89	6,840.59	138.30	50.461		
16,600.00	8,067.98	7,949.02	7,941.60	172.78	26.19	-89.38	-3,807.60	4,843.51	7,060.78	6,922.50	138.28	51.062		
16,700.00	8,067.98	7,949.22	7,941.80	174.52	26.19	-89.39	-3,807.60	4,843.51	7,143.14	7,004.89	138.25	51.667		
16,800.00	8,067.98	7,949.42	7,942.00	176.26	26.19	-89.39	-3,807.60	4,843.51	7,225.94	7,087.72	138.22	52.278		
16,900.00	8,067.98	7,949.62	7,942.20	178.01	26.19	-89.39	-3,807.60	4,843.52	7,309.17	7,170.98	138.18	52.895		
17,000.00	8,067.98	7,949.82	7,942.39	179.75	26.19	-89.40	-3,807.61	4,843.52	7,392.81	7,254.67	138.14	53.516		
17,100.00	8,067.98	7,950.01	7,942.59	181.49	26.19	-89.40	-3,807.61	4,843.52	7,476.86	7,338.76	138.10	54.141		
17,200.00	8,067.98	7,950.21	7,942.78	183.24	26.19	-89.40	-3,807.61	4,843.53	7,561.29	7,423.24	138.05	54.772		
17,300.00	8,067.99	7,950.40	7,942.97	184.99	26.19	-89.40	-3,807.61	4,843.53	7,646.10	7,508.10	138.00	55.406		
17,400.00	8,067.99	7,950.59	7,943.16	186.73	26.19	-89.41	-3,807.61	4,843.53	7,731.27	7,593.33	137.95	56.045		
17,500.00	8,067.99	7,950.78	7,943.36	188.48	26.19	-89.41	-3,807.61	4,843.53	7,816.80	7,678.91	137.89	56.688		
17,600.00	8,067.99	7,950.97	7,943.54	190.23	26.19	-89.41	-3,807.61	4,843.54	7,902.66	7,764.83	137.83	57.335		
17,700.00	8,067.99	7,951.16	7,943.73	191.97	26.19	-89.41	-3,807.61	4,843.54	7,988.85	7,851.08	137.77	57.986		
17,800.00	8,067.99	7,951.35	7,943.92	193.72	26.19	-89.42	-3,807.61	4,843.54	8,075.37	7,937.65	137.71	58.640		
17,900.00	8,068.00	7,951.53	7,944.10	195.47	26.20	-89.42	-3,807.61	4,843.55	8,162.18	8,024.54	137.65	59.298		
18,000.00	8,068.00	7,951.72	7,944.29	197.22	26.20	-89.42	-3,807.61	4,843.55	8,249.30	8,111.72	137.58	59.959		
18,100.00	8,068.00	7,951.90	7,944.47	198.97	26.20	-89.43	-3,807.61	4,843.55	8,336.71	8,199.19	137.52	60.623		
18,184.63	8,068.00	7,952.05	7,944.63	200.45	26.20	-89.43	-3,807.61	4,843.55	8,410.90	8,273.44	137.46	61.188		
18,185.16	8,068.00	7,952.05	7,944.63	200.47	26.20	-89.43	-3,807.61	4,843.55	8,411.36	8,272.75	138.61	60.682		

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 61-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		
0.00	0.00	0.00	0.00	0.00	0.00	130.36	-3,992.82	4,697.76	6,165.93					
100.00	100.00	0.00	0.00	0.13	0.00	130.36	-3,992.82	4,697.76	6,165.37	6,165.24	0.13	N/A		
200.00	200.00	61.00	61.00	0.49	0.09	130.36	-3,993.07	4,698.04	6,165.97	6,165.40	0.58	N/A		
300.00	300.00	94.30	94.29	0.85	0.21	130.36	-3,993.52	4,698.38	6,167.48	6,166.42	1.05	5,847.819		
400.00	400.00	188.05	188.02	1.21	0.54	130.37	-3,995.27	4,699.20	6,169.36	6,167.61	1.75	3,527.783		
500.00	500.00	254.95	254.88	1.57	0.78	130.39	-3,997.51	4,699.27	6,171.64	6,169.29	2.35	2,629.090		
600.00	600.00	324.00	323.84	1.93	1.04	130.41	-4,000.99	4,698.86	6,174.47	6,171.52	2.96	2,088.772		
700.00	700.00	360.10	359.87	2.29	1.17	130.43	-4,003.35	4,698.57	6,178.10	6,174.65	3.45	1,792.494		
800.00	800.00	434.15	433.68	2.64	1.45	130.48	-4,009.24	4,697.65	6,182.36	6,178.28	4.08	1,515.349		
900.00	900.00	489.20	488.48	3.00	1.66	130.52	-4,014.34	4,696.80	6,187.25	6,182.61	4.65	1,331.907		
1,000.00	1,000.00	523.54	522.66	3.36	1.79	130.55	-4,017.72	4,696.50	6,193.05	6,187.92	5.13	1,206.702		
1,100.00	1,100.00	556.33	555.24	3.72	1.92	130.57	-4,021.27	4,696.44	6,199.96	6,194.34	5.61	1,104.499		
1,200.00	1,200.00	585.09	583.81	4.08	2.04	130.59	-4,024.64	4,696.55	6,207.94	6,201.86	6.08	1,021.244		
1,300.00	1,299.98	615.18	613.66	4.42	2.16	-10.50	-4,028.50	4,696.87	6,215.38	6,208.85	6.53	951.628		
1,400.00	1,399.84	659.00	657.06	4.75	2.34	-10.45	-4,034.46	4,697.64	6,220.44	6,213.41	7.03	885.433		
1,500.00	1,499.45	706.88	704.42	5.09	2.54	-10.41	-4,041.38	4,698.57	6,222.85	6,215.31	7.54	825.104		
1,600.00	1,598.70	737.37	734.53	5.44	2.68	-10.38	-4,046.13	4,699.27	6,222.83	6,214.84	7.99	778.518		
1,700.00	1,697.47	773.62	770.28	5.81	2.83	-10.37	-4,052.07	4,700.40	6,220.50	6,212.02	8.48	733.963		
1,800.00	1,795.62	813.00	809.02	6.19	3.01	-10.36	-4,059.02	4,701.63	6,215.67	6,206.70	8.97	692.797		
1,846.33	1,840.86	846.56	841.97	6.38	3.16	-10.34	-4,065.28	4,702.65	6,212.54	6,203.26	9.27	669.995		
1,900.00	1,893.17	877.00	871.83	6.60	3.30	-10.32	-4,071.14	4,703.53	6,208.65	6,199.07	9.58	647.830		
2,000.00	1,990.64	931.44	925.18	7.02	3.56	-10.27	-4,081.86	4,705.29	6,201.97	6,191.80	10.16	610.285		
2,100.00	2,088.10	1,011.44	1,003.49	7.46	3.94	-10.21	-4,097.89	4,708.44	6,196.00	6,185.14	10.85	570.796		
2,200.00	2,185.57	1,154.29	1,143.18	7.91	4.64	-10.08	-4,127.48	4,712.30	6,189.59	6,177.76	11.84	522.815		
2,300.00	2,283.03	1,223.85	1,211.11	8.37	4.99	-10.01	-4,142.39	4,713.68	6,183.18	6,170.67	12.51	494.340		
2,400.00	2,380.50	1,403.67	1,386.66	8.84	5.89	-9.81	-4,181.29	4,715.95	6,176.40	6,162.72	13.69	451.249		
2,500.00	2,477.97	1,543.54	1,523.34	9.32	6.60	-9.66	-4,210.98	4,716.42	6,168.69	6,154.00	14.69	419.947		
2,600.00	2,575.43	1,598.00	1,576.53	9.80	6.87	-9.59	-4,222.69	4,716.50	6,161.01	6,145.71	15.30	402.596		
2,700.00	2,672.90	1,629.00	1,606.72	10.28	7.03	-9.56	-4,229.71	4,716.66	6,154.30	6,138.49	15.81	389.226		
2,800.00	2,770.36	1,629.00	1,606.72	10.77	7.03	-9.56	-4,229.71	4,716.66	6,148.90	6,132.72	16.17	380.168		
2,900.00	2,867.83	1,661.00	1,637.76	11.26	7.20	-9.52	-4,237.48	4,717.29	6,144.75	6,128.07	16.69	368.199		
3,000.00	2,965.29	1,769.37	1,742.77	11.76	7.79	-9.39	-4,264.11	4,720.06	6,141.07	6,123.50	17.57	349.538		
3,100.00	3,062.76	1,923.46	1,892.72	12.26	8.60	-9.23	-4,298.99	4,726.27	6,137.23	6,118.58	18.65	329.086		
3,200.00	3,160.23	2,019.46	1,986.09	12.76	9.10	-9.13	-4,321.08	4,729.31	6,132.95	6,113.50	19.46	315.201		
3,300.00	3,257.69	2,150.67	2,114.24	13.27	9.78	-9.02	-4,348.69	4,734.99	6,128.16	6,107.75	20.42	300.148		
3,400.00	3,355.16	2,347.54	2,306.80	13.77	10.77	-8.85	-4,389.06	4,741.77	6,122.32	6,100.66	21.66	282.601		
3,500.00	3,452.62	2,508.38	2,464.51	14.28	11.56	-8.71	-4,420.29	4,746.34	6,115.39	6,092.64	22.74	268.889		
3,600.00	3,550.09	2,558.07	2,513.20	14.79	11.81	-8.66	-4,430.13	4,747.49	6,108.34	6,085.00	23.34	261.733		
3,700.00	3,647.55	2,621.73	2,575.46	15.30	12.13	-8.60	-4,443.32	4,749.09	6,102.06	6,078.06	24.00	254.294		
3,800.00	3,745.02	2,694.34	2,646.46	15.81	12.50	-8.54	-4,458.37	4,751.30	6,096.23	6,071.53	24.69	246.871		
3,900.00	3,842.49	2,759.20	2,709.89	16.32	12.82	-8.48	-4,471.64	4,753.92	6,090.93	6,065.57	25.35	240.236		
4,000.00	3,939.95	2,913.40	2,860.90	16.84	13.59	-8.36	-4,502.17	4,760.17	6,085.05	6,058.65	26.40	230.477		
4,100.00	4,037.42	3,040.97	2,985.85	17.35	14.23	-8.25	-4,527.38	4,765.29	6,079.37	6,052.03	27.33	222.427		
4,200.00	4,134.88	3,170.31	3,112.53	17.87	14.87	-8.13	-4,553.30	4,768.39	6,072.59	6,044.31	28.28	214.737		
4,300.00	4,232.35	3,234.68	3,175.43	18.39	15.20	-8.07	-4,566.94	4,769.40	6,066.07	6,037.12	28.95	209.553		
4,400.00	4,329.81	3,414.08	3,350.89	18.90	16.11	-7.88	-4,604.16	4,772.76	6,059.72	6,029.60	30.12	201.163		
4,500.00	4,427.28	3,497.64	3,432.77	19.42	16.53	-7.80	-4,620.83	4,773.78	6,052.17	6,021.29	30.87	196.033		
4,600.00	4,524.75	3,578.43	3,511.84	19.94	16.93	-7.72	-4,637.37	4,775.03	6,045.17	6,013.56	31.61	191.234		
4,700.00	4,622.21	3,655.95	3,587.71	20.46	17.32	-7.64	-4,653.20	4,776.35	6,038.32	6,005.99	32.33	186.748		
4,800.00	4,719.68	3,724.00	3,654.29	20.98	17.67	-7.57	-4,667.12	4,778.27	6,032.21	5,999.19	33.01	182.720		
4,900.00	4,817.14	4,067.16	3,991.86	21.50	19.29	-7.30	-4,727.92	4,786.14	6,023.12	5,988.30	34.82	172.980		
5,000.00	4,914.61	4,105.00	4,029.17	22.02	19.46	-7.27	-4,734.23	4,786.69	6,013.55	5,978.19	35.37	170.031		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 61-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	5,012.07	4,150.75	4,074.23	22.54	19.68	-7.23	-4,742.14	4,787.69	6,004.93	5,968.99	35.95	167.054		
5,200.00	5,109.54	4,200.00	4,122.64	23.06	19.91	-7.20	-4,751.00	4,789.25	5,997.35	5,960.82	36.54	164.145		
5,300.00	5,207.01	4,403.80	4,323.33	23.59	20.87	-7.04	-4,786.06	4,794.34	5,988.44	5,950.68	37.76	158.603		
5,400.00	5,304.47	4,456.95	4,375.63	24.11	21.11	-7.00	-4,795.47	4,795.30	5,979.83	5,941.46	38.36	155.869		
5,500.00	5,401.94	4,526.74	4,444.44	24.63	21.43	-6.96	-4,806.69	4,798.47	5,971.96	5,932.93	39.03	153.008		
5,600.00	5,499.40	4,586.76	4,503.61	25.16	21.71	-6.93	-4,816.25	4,801.58	5,964.52	5,924.86	39.66	150.408		
5,700.00	5,596.87	4,846.99	4,760.34	25.68	22.89	-6.77	-4,857.79	4,810.04	5,954.99	5,913.93	41.07	145.002		
5,800.00	5,694.33	4,898.00	4,810.69	26.20	23.12	-6.74	-4,865.80	4,811.48	5,945.69	5,904.03	41.66	142.703		
5,900.00	5,791.80	5,900.00	4,963.85	26.73	27.79	-6.61	-4,892.51	4,813.76	5,936.58	5,890.32	46.26	128.333		
6,000.00	5,889.27	6,000.00	5,137.82	27.25	28.10	-6.45	-4,921.68	4,814.05	5,925.96	5,879.00	46.96	126.186		
6,100.00	5,986.73	5,344.53	5,251.16	27.78	25.16	-6.36	-4,938.83	4,814.58	5,914.47	5,869.84	44.62	132.539		
6,200.00	6,084.20	5,405.00	5,310.99	28.30	25.42	-6.32	-4,947.56	4,815.46	5,903.38	5,858.12	45.26	130.430		
6,300.00	6,181.66	5,465.40	5,370.67	28.82	25.69	-6.28	-4,956.78	4,816.34	5,892.92	5,847.02	45.90	128.389		
6,400.00	6,279.13	5,554.40	5,458.52	29.35	26.09	-6.22	-4,970.95	4,818.07	5,883.19	5,836.55	46.64	126.133		
6,500.00	6,376.59	5,629.14	5,532.41	29.88	26.42	-6.17	-4,981.95	4,820.21	5,873.34	5,826.01	47.33	124.093		
6,600.00	6,474.06	5,834.45	5,735.42	30.40	27.32	-6.06	-5,011.63	4,827.30	5,864.35	5,815.86	48.49	120.944		
6,700.00	6,571.53	6,700.00	6,156.58	30.93	30.58	-5.89	-5,056.73	4,833.84	5,851.43	5,799.57	51.86	112.830		
6,800.00	6,668.99	6,610.41	6,508.36	31.45	30.16	-5.84	-5,074.08	4,832.77	5,831.90	5,780.24	51.66	112.880		
6,887.36	6,754.14	6,719.63	6,617.54	31.91	30.49	-5.84	-5,076.67	4,831.87	5,813.41	5,761.08	52.34	111.079		
6,900.00	6,766.46	6,735.87	6,633.77	31.98	30.54	-5.84	-5,076.99	4,831.76	5,810.73	5,758.30	52.43	110.821		
7,000.00	6,864.39	6,872.81	6,770.70	32.48	30.94	-5.81	-5,078.97	4,830.75	5,791.11	5,737.90	53.22	108.824		
7,100.00	6,962.96	6,984.10	6,881.97	32.94	31.26	-5.77	-5,080.18	4,829.61	5,774.45	5,720.52	53.93	107.073		
7,200.00	7,062.06	7,091.11	6,988.97	33.36	31.57	-5.75	-5,081.16	4,828.44	5,761.05	5,706.42	54.63	105.462		
7,300.00	7,161.57	7,190.85	7,088.71	33.74	31.85	-5.72	-5,081.83	4,827.42	5,750.97	5,695.67	55.30	103.997		
7,400.00	7,261.36	7,280.72	7,178.57	34.08	32.10	-5.71	-5,082.34	4,826.78	5,744.50	5,688.56	55.94	102.684		
7,500.00	7,361.31	7,393.13	7,290.98	34.39	32.42	-5.70	-5,082.77	4,826.29	5,741.57	5,684.95	56.62	101.402		
7,533.69	7,395.00	7,442.19	7,340.04	34.48	32.56	135.45	-5,082.81	4,825.98	5,741.25	5,684.38	56.86	100.963		
7,600.00	7,461.31	7,492.80	7,390.65	34.65	32.70	135.45	-5,082.83	4,825.72	5,741.02	5,683.77	57.24	100.291		
7,633.69	7,495.00	7,519.93	7,417.78	34.73	32.77	135.45	-5,082.85	4,825.63	5,740.96	5,683.52	57.44	99.949		
7,650.00	7,511.31	7,531.00	7,428.85	34.78	32.80	-44.22	-5,082.85	4,825.61	5,740.78	5,683.25	57.53	99.784		
7,700.00	7,561.16	7,569.91	7,467.75	34.94	32.91	-44.42	-5,082.89	4,825.60	5,738.22	5,680.38	57.84	99.204		
7,750.00	7,610.51	7,606.55	7,504.40	35.14	33.02	-44.85	-5,082.96	4,825.67	5,732.68	5,674.52	58.16	98.561		
7,800.00	7,658.98	7,647.79	7,545.63	35.37	33.14	-45.54	-5,083.06	4,825.85	5,724.18	5,665.68	58.51	97.840		
7,850.00	7,706.21	7,694.60	7,592.45	35.64	33.27	-46.50	-5,083.11	4,826.15	5,712.73	5,653.86	58.87	97.044		
7,900.00	7,751.82	7,736.48	7,634.33	35.93	33.39	-47.73	-5,083.07	4,826.50	5,698.42	5,639.19	59.23	96.212		
7,950.00	7,795.49	7,771.70	7,669.54	36.26	33.48	-49.22	-5,083.02	4,826.89	5,681.42	5,621.84	59.58	95.357		
8,000.00	7,836.86	7,805.05	7,702.89	36.62	33.58	-51.01	-5,082.95	4,827.34	5,661.89	5,601.96	59.94	94.464		
8,050.00	7,875.64	7,844.88	7,742.71	37.00	33.69	-53.16	-5,082.85	4,827.94	5,639.99	5,579.68	60.31	93.515		
8,100.00	7,911.52	7,886.66	7,784.50	37.42	33.80	-55.68	-5,082.75	4,828.51	5,615.84	5,555.15	60.69	92.529		
8,150.00	7,944.22	7,924.75	7,822.58	37.86	33.91	-58.56	-5,082.67	4,828.97	5,589.65	5,528.58	61.07	91.526		
8,200.00	7,973.51	7,940.21	7,838.03	38.32	33.95	-61.61	-5,082.64	4,829.19	5,561.74	5,500.32	61.42	90.559		
8,250.00	7,999.16	7,958.21	7,856.04	38.81	34.00	-65.04	-5,082.62	4,829.46	5,532.33	5,470.56	61.77	89.568		
8,300.00	8,020.98	7,973.55	7,871.38	39.31	34.05	-68.78	-5,082.61	4,829.70	5,501.66	5,439.54	62.12	88.568		
8,350.00	8,038.79	7,986.10	7,883.92	39.84	34.08	-72.80	-5,082.61	4,829.92	5,469.99	5,407.52	62.47	87.565		
8,400.00	8,052.46	7,995.76	7,893.58	40.38	34.11	-77.03	-5,082.61	4,830.09	5,437.57	5,374.75	62.82	86.563		
8,450.00	8,061.89	8,008.00	7,905.82	40.93	34.14	-81.49	-5,082.62	4,830.32	5,404.65	5,341.48	63.17	85.554		
8,500.00	8,067.01	8,008.00	7,905.82	41.49	34.14	-85.90	-5,082.62	4,830.32	5,371.50	5,307.98	63.51	84.577		
8,533.77	8,068.00	8,008.00	7,905.82	41.88	34.14	-88.88	-5,082.62	4,830.32	5,349.10	5,285.36	63.74	83.921		
8,600.00	8,068.00	8,008.00	7,905.82	42.64	34.14	-88.88	-5,082.62	4,830.32	5,305.48	5,241.26	64.21	82.625		
8,700.00	8,068.00	8,008.00	7,905.82	43.82	34.14	-88.88	-5,082.62	4,830.32	5,240.50	5,175.50	65.00	80.618		
8,800.00	8,068.00	8,008.00	7,905.82	45.04	34.14	-88.88	-5,082.62	4,830.32	5,176.65	5,110.76	65.89	78.562		
8,900.00	8,067.99	8,008.00	7,905.82	46.30	34.14	-88.88	-5,082.62	4,830.32	5,113.95	5,047.08	66.88	76.468		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 61-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,000.00	8,067.99	8,008.00	7,905.82	47.59	34.14	-88.88	-5,082.62	4,830.32	5,052.46	4,984.50	67.96	74.349		
9,100.00	8,067.99	8,008.00	7,905.82	48.91	34.14	-88.88	-5,082.62	4,830.32	4,992.21	4,923.08	69.13	72.217		
9,200.00	8,067.99	8,008.00	7,905.82	50.26	34.14	-88.88	-5,082.62	4,830.32	4,933.25	4,862.86	70.39	70.083		
9,300.00	8,067.99	8,008.00	7,905.82	51.63	34.14	-88.88	-5,082.62	4,830.32	4,875.63	4,803.89	71.74	67.958		
9,400.00	8,067.99	8,008.00	7,905.82	53.03	34.14	-88.88	-5,082.62	4,830.32	4,819.40	4,746.21	73.18	65.853		
9,500.00	8,067.98	8,008.00	7,905.82	54.44	34.14	-88.88	-5,082.62	4,830.32	4,764.60	4,689.89	74.71	63.777		
9,600.00	8,067.98	8,008.00	7,905.82	55.88	34.14	-88.88	-5,082.62	4,830.32	4,711.28	4,634.97	76.31	61.739		
9,700.00	8,067.98	8,008.00	7,905.82	57.34	34.14	-88.88	-5,082.62	4,830.32	4,659.51	4,581.52	77.99	59.746		
9,800.00	8,067.98	8,008.00	7,905.82	58.81	34.14	-88.88	-5,082.62	4,830.32	4,609.32	4,529.58	79.74	57.804		
9,900.00	8,067.98	8,008.00	7,905.82	60.31	34.14	-88.88	-5,082.62	4,830.32	4,560.77	4,479.21	81.56	55.918		
10,000.00	8,067.98	8,008.00	7,905.82	61.81	34.14	-88.88	-5,082.62	4,830.32	4,513.92	4,430.47	83.45	54.093		
10,100.00	8,067.98	8,008.00	7,905.82	63.33	34.14	-88.88	-5,082.62	4,830.32	4,468.81	4,383.41	85.39	52.332		
10,200.00	8,067.97	8,008.00	7,905.82	64.86	34.14	-88.88	-5,082.62	4,830.32	4,425.50	4,338.11	87.39	50.638		
10,300.00	8,067.97	8,008.00	7,905.82	66.41	34.14	-88.88	-5,082.62	4,830.32	4,384.05	4,294.60	89.45	49.013		
10,400.00	8,067.97	8,008.00	7,905.82	67.96	34.14	-88.88	-5,082.62	4,830.32	4,344.50	4,252.95	91.55	47.457		
10,500.00	8,067.97	8,008.00	7,905.82	69.53	34.14	-88.88	-5,082.62	4,830.32	4,306.91	4,213.22	93.69	45.972		
10,600.00	8,067.97	8,008.03	7,905.84	71.10	34.14	-88.88	-5,082.62	4,830.32	4,271.33	4,175.47	95.86	44.557		
10,700.00	8,067.97	8,008.10	7,905.92	72.69	34.14	-88.88	-5,082.62	4,830.32	4,237.81	4,139.74	98.07	43.213		
10,800.00	8,067.97	8,008.18	7,906.00	74.28	34.14	-88.89	-5,082.62	4,830.32	4,206.41	4,106.11	100.30	41.938		
10,900.00	8,067.97	8,008.25	7,906.07	75.88	34.14	-88.89	-5,082.62	4,830.33	4,177.16	4,074.61	102.55	40.732		
11,000.00	8,067.97	8,008.33	7,906.15	77.49	34.14	-88.89	-5,082.62	4,830.33	4,150.12	4,045.30	104.82	39.594		
11,100.00	8,067.97	8,008.40	7,906.22	79.10	34.15	-88.89	-5,082.62	4,830.33	4,125.32	4,018.23	107.09	38.523		
11,200.00	8,067.96	8,008.48	7,906.30	80.73	34.15	-88.89	-5,082.62	4,830.33	4,102.81	3,993.45	109.36	37.516		
11,300.00	8,067.96	8,008.55	7,906.37	82.35	34.15	-88.89	-5,082.62	4,830.33	4,082.63	3,971.00	111.63	36.573		
11,400.00	8,067.96	8,008.63	7,906.44	83.99	34.15	-88.89	-5,082.62	4,830.33	4,064.81	3,950.92	113.89	35.691		
11,500.00	8,067.96	8,008.70	7,906.51	85.63	34.15	-88.89	-5,082.62	4,830.33	4,049.38	3,933.25	116.13	34.869		
11,600.00	8,067.96	8,008.77	7,906.59	87.27	34.15	-88.89	-5,082.62	4,830.34	4,036.37	3,918.02	118.35	34.106		
11,700.00	8,067.96	8,008.84	7,906.66	88.92	34.15	-88.89	-5,082.62	4,830.34	4,025.80	3,905.26	120.54	33.398		
11,800.00	8,067.96	8,008.91	7,906.73	90.58	34.15	-88.90	-5,082.62	4,830.34	4,017.69	3,895.00	122.69	32.745		
11,900.00	8,067.96	8,008.99	7,906.80	92.23	34.15	-88.90	-5,082.62	4,830.34	4,012.06	3,887.25	124.81	32.145		
12,000.00	8,067.96	8,009.06	7,906.87	93.90	34.15	-88.90	-5,082.62	4,830.34	4,008.92	3,882.04	126.88	31.596		
12,076.04	8,067.96	8,009.11	7,906.93	95.16	34.15	-88.90	-5,082.62	4,830.34	4,008.20	3,879.77	128.42	31.211 CC		
12,100.00	8,067.96	8,009.13	7,906.94	95.56	34.15	-88.90	-5,082.62	4,830.34	4,008.27	3,879.37	128.90	31.095		
12,200.00	8,067.96	8,009.20	7,907.01	97.23	34.15	-88.90	-5,082.62	4,830.34	4,010.11	3,879.24	130.87	30.642 ES		
12,300.00	8,067.96	8,009.27	7,907.08	98.91	34.15	-88.90	-5,082.62	4,830.35	4,014.45	3,881.67	132.78	30.234		
12,400.00	8,067.96	8,009.34	7,907.15	100.59	34.15	-88.90	-5,082.62	4,830.35	4,021.27	3,886.64	134.63	29.870		
12,500.00	8,067.96	8,009.41	7,907.22	102.27	34.15	-88.90	-5,082.62	4,830.35	4,030.56	3,894.15	136.41	29.548		
12,600.00	8,067.96	8,009.48	7,907.29	103.95	34.15	-88.90	-5,082.62	4,830.35	4,042.30	3,904.18	138.12	29.267		
12,700.00	8,067.96	8,009.54	7,907.36	105.64	34.15	-88.91	-5,082.62	4,830.35	4,056.47	3,916.71	139.76	29.024		
12,800.00	8,067.96	8,009.61	7,907.43	107.33	34.15	-88.91	-5,082.62	4,830.35	4,073.05	3,931.72	141.33	28.819		
12,900.00	8,067.96	8,009.68	7,907.50	109.02	34.15	-88.91	-5,082.62	4,830.35	4,092.01	3,949.18	142.83	28.650		
13,000.00	8,067.96	8,009.75	7,907.56	110.71	34.15	-88.91	-5,082.62	4,830.35	4,113.31	3,969.06	144.25	28.515		
13,100.00	8,067.96	8,009.81	7,907.63	112.41	34.15	-88.91	-5,082.62	4,830.36	4,136.92	3,991.32	145.59	28.414		
13,200.00	8,067.96	8,009.88	7,907.70	114.11	34.15	-88.91	-5,082.62	4,830.36	4,162.80	4,015.93	146.86	28.344		
13,300.00	8,067.96	8,009.95	7,907.76	115.81	34.15	-88.91	-5,082.62	4,830.36	4,190.90	4,042.84	148.06	28.305		
13,400.00	8,067.96	8,010.01	7,907.83	117.52	34.15	-88.91	-5,082.62	4,830.36	4,221.19	4,072.01	149.18	28.296 SF		
13,500.00	8,067.96	8,010.08	7,907.90	119.22	34.15	-88.91	-5,082.62	4,830.36	4,253.61	4,103.38	150.23	28.314		
13,600.00	8,067.96	8,010.14	7,907.96	120.93	34.15	-88.91	-5,082.62	4,830.36	4,288.12	4,136.92	151.21	28.360		
13,700.00	8,067.96	8,010.21	7,908.03	122.64	34.15	-88.91	-5,082.62	4,830.36	4,324.67	4,172.56	152.11	28.431		
13,800.00	8,067.96	8,010.27	7,908.09	124.35	34.15	-88.92	-5,082.62	4,830.37	4,363.21	4,210.26	152.95	28.527		
13,900.00	8,067.96	8,010.34	7,908.15	126.06	34.15	-88.92	-5,082.62	4,830.37	4,403.67	4,249.95	153.72	28.647		
14,000.00	8,067.96	8,010.40	7,908.22	127.78	34.15	-88.92	-5,082.62	4,830.37	4,446.02	4,291.60	154.43	28.791		

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



# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> Sec 34-T1N-R68W - BICKLER 4-6-34 - Wellbore #1 - Wellbore #1												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 61-MWD												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,100.00	8,067.96	8,010.47	7,908.28	129.50	34.15	-88.92	-5,082.62	4,830.37	4,490.20	4,335.13	155.07	28.956	
14,200.00	8,067.96	8,010.53	7,908.35	131.21	34.15	-88.92	-5,082.62	4,830.37	4,536.15	4,380.49	155.66	29.142	
14,300.00	8,067.96	8,010.59	7,908.41	132.93	34.15	-88.92	-5,082.62	4,830.37	4,583.83	4,427.64	156.19	29.348	
14,400.00	8,067.96	8,010.66	7,908.47	134.65	34.15	-88.92	-5,082.62	4,830.37	4,633.17	4,476.50	156.66	29.574	
14,500.00	8,067.96	8,010.72	7,908.53	136.38	34.15	-88.92	-5,082.62	4,830.37	4,684.12	4,527.04	157.09	29.819	
14,600.00	8,067.96	8,010.78	7,908.60	138.10	34.15	-88.92	-5,082.62	4,830.37	4,736.64	4,579.18	157.46	30.081	
14,700.00	8,067.96	8,010.84	7,908.66	139.82	34.15	-88.92	-5,082.62	4,830.38	4,790.67	4,632.88	157.79	30.361	
14,800.00	8,067.96	8,010.90	7,908.72	141.55	34.15	-88.92	-5,082.62	4,830.38	4,846.17	4,688.09	158.08	30.657	
14,900.00	8,067.96	8,010.97	7,908.78	143.28	34.15	-88.93	-5,082.62	4,830.38	4,903.07	4,744.75	158.32	30.969	
15,000.00	8,067.96	8,011.03	7,908.84	145.00	34.15	-88.93	-5,082.62	4,830.38	4,961.34	4,802.81	158.52	31.297	
15,100.00	8,067.96	8,011.09	7,908.90	146.73	34.15	-88.93	-5,082.62	4,830.38	5,020.92	4,862.23	158.69	31.639	
15,200.00	8,067.96	8,011.15	7,908.96	148.46	34.15	-88.93	-5,082.62	4,830.38	5,081.77	4,922.94	158.83	31.995	
15,300.00	8,067.96	8,011.21	7,909.02	150.19	34.15	-88.93	-5,082.62	4,830.38	5,143.85	4,984.92	158.93	32.365	
15,400.00	8,067.96	8,011.27	7,909.08	151.93	34.15	-88.93	-5,082.62	4,830.38	5,207.10	5,048.10	159.01	32.748	
15,500.00	8,067.96	8,011.33	7,909.14	153.66	34.15	-88.93	-5,082.62	4,830.39	5,271.50	5,112.45	159.05	33.143	
15,600.00	8,067.96	8,011.39	7,909.20	155.39	34.15	-88.93	-5,082.62	4,830.39	5,336.99	5,177.92	159.07	33.550	
15,700.00	8,067.97	8,011.45	7,909.26	157.13	34.15	-88.93	-5,082.62	4,830.39	5,403.54	5,244.47	159.07	33.969	
15,800.00	8,067.97	8,011.50	7,909.32	158.86	34.15	-88.93	-5,082.62	4,830.39	5,471.11	5,312.06	159.05	34.399	
15,900.00	8,067.97	8,011.56	7,909.38	160.60	34.15	-88.93	-5,082.62	4,830.39	5,539.65	5,380.65	159.00	34.840	
16,000.00	8,067.97	8,011.62	7,909.44	162.34	34.15	-88.94	-5,082.62	4,830.39	5,609.15	5,450.21	158.94	35.291	
16,100.00	8,067.97	8,011.68	7,909.50	164.08	34.15	-88.94	-5,082.62	4,830.39	5,679.55	5,520.69	158.86	35.752	
16,200.00	8,067.97	8,011.74	7,909.55	165.81	34.15	-88.94	-5,082.62	4,830.39	5,750.83	5,592.07	158.76	36.222	
16,300.00	8,067.97	8,011.79	7,909.61	167.55	34.15	-88.94	-5,082.62	4,830.39	5,822.96	5,664.30	158.65	36.702	
16,400.00	8,067.97	8,011.85	7,909.67	169.29	34.15	-88.94	-5,082.62	4,830.40	5,895.90	5,737.36	158.53	37.191	
16,500.00	8,067.97	8,011.91	7,909.72	171.04	34.16	-88.94	-5,082.62	4,830.40	5,969.62	5,811.22	158.40	37.688	
16,600.00	8,067.98	8,011.96	7,909.78	172.78	34.16	-88.94	-5,082.62	4,830.40	6,044.10	5,885.85	158.25	38.193	
16,700.00	8,067.98	8,012.02	7,909.84	174.52	34.16	-88.94	-5,082.62	4,830.40	6,119.30	5,961.21	158.09	38.707	
16,800.00	8,067.98	8,012.08	7,909.89	176.26	34.16	-88.94	-5,082.62	4,830.40	6,195.21	6,037.28	157.93	39.227	
16,900.00	8,067.98	8,012.13	7,909.95	178.01	34.16	-88.94	-5,082.62	4,830.40	6,271.79	6,114.03	157.76	39.756	
17,000.00	8,067.98	8,012.19	7,910.01	179.75	34.16	-88.94	-5,082.62	4,830.40	6,349.03	6,191.45	157.58	40.291	
17,100.00	8,067.98	8,012.24	7,910.06	181.49	34.16	-88.94	-5,082.62	4,830.40	6,426.89	6,269.49	157.39	40.833	
17,200.00	8,067.98	8,012.30	7,910.12	183.24	34.16	-88.95	-5,082.62	4,830.40	6,505.35	6,348.15	157.20	41.382	
17,300.00	8,067.99	8,012.35	7,910.17	184.99	34.16	-88.95	-5,082.62	4,830.41	6,584.41	6,427.40	157.01	41.937	
17,400.00	8,067.99	8,012.41	7,910.23	186.73	34.16	-88.95	-5,082.62	4,830.41	6,664.02	6,507.21	156.81	42.498	
17,500.00	8,067.99	8,012.46	7,910.28	188.48	34.16	-88.95	-5,082.62	4,830.41	6,744.18	6,587.57	156.60	43.066	
17,600.00	8,067.99	8,012.52	7,910.33	190.23	34.16	-88.95	-5,082.62	4,830.41	6,824.86	6,668.46	156.40	43.639	
17,700.00	8,067.99	8,008.00	7,905.82	191.97	34.14	-88.88	-5,082.62	4,830.32	6,906.04	6,749.88	156.17	44.222	
17,800.00	8,067.99	8,008.00	7,905.82	193.72	34.14	-88.88	-5,082.62	4,830.32	6,987.72	6,831.76	155.95	44.806	
17,900.00	8,068.00	8,008.00	7,905.82	195.47	34.14	-88.88	-5,082.62	4,830.32	7,069.86	6,914.12	155.74	45.395	
18,000.00	8,068.00	8,008.00	7,905.82	197.22	34.14	-88.88	-5,082.62	4,830.32	7,152.46	6,996.94	155.52	45.989	
18,100.00	8,068.00	8,008.00	7,905.82	198.97	34.14	-88.88	-5,082.62	4,830.32	7,235.50	7,080.19	155.31	46.588	
18,184.63	8,068.00	8,008.00	7,905.82	200.45	34.14	-88.88	-5,082.62	4,830.32	7,306.11	7,150.98	155.12	47.099	
18,185.16	8,068.00	8,008.00	7,905.82	200.47	34.14	-88.88	-5,082.62	4,830.32	7,306.55	7,150.48	156.07	46.817	



# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
0.00	0.00	3.00	3.00	0.00	0.04	136.22	-3,227.01	3,092.83	4,469.80					
100.00	100.00	103.00	103.00	0.13	1.25	136.22	-3,227.01	3,092.83	4,469.80	4,468.42	1.39	3,220.056		
200.00	200.00	203.00	203.00	0.49	3.54	136.22	-3,227.01	3,092.83	4,469.80	4,465.77	4.03	1,108.371		
300.00	300.00	303.00	303.00	0.85	5.62	136.22	-3,227.01	3,092.83	4,469.80	4,463.34	6.47	690.989		
400.00	400.00	403.00	403.00	1.21	7.66	136.22	-3,227.01	3,092.83	4,469.80	4,460.94	8.87	503.979		
500.00	500.00	503.00	503.00	1.57	9.69	136.22	-3,227.01	3,092.83	4,469.80	4,458.55	11.26	397.090		
600.00	600.00	603.00	603.00	1.93	11.71	136.22	-3,227.01	3,092.83	4,469.80	4,456.17	13.64	327.757		
700.00	700.00	703.00	703.00	2.29	13.73	136.22	-3,227.01	3,092.83	4,469.80	4,453.79	16.02	279.097		
800.00	800.00	803.00	803.00	2.64	15.75	136.22	-3,227.01	3,092.83	4,469.80	4,451.41	18.39	243.045		
900.00	900.00	903.00	903.00	3.00	17.76	136.22	-3,227.01	3,092.83	4,469.80	4,449.04	20.76	215.257		
1,000.00	1,000.00	1,003.00	1,003.00	3.36	19.78	136.22	-3,227.01	3,092.83	4,469.80	4,446.67	23.14	193.179		
1,100.00	1,100.00	1,103.00	1,103.00	3.72	21.79	136.22	-3,227.01	3,092.83	4,469.80	4,444.29	25.51	175.213		
1,200.00	1,200.00	1,203.00	1,203.00	4.08	23.81	136.22	-3,227.01	3,092.83	4,469.80	4,441.92	27.88	160.308		
1,300.00	1,299.98	1,302.98	1,302.98	4.42	25.82	-4.94	-3,227.01	3,092.83	4,468.07	4,437.83	30.24	147.763		
1,400.00	1,399.84	1,402.84	1,402.84	4.75	27.83	-4.95	-3,227.01	3,092.83	4,462.85	4,430.27	32.58	136.984		
1,500.00	1,499.45	1,502.45	1,502.45	5.09	29.83	-4.98	-3,227.01	3,092.83	4,454.17	4,419.25	34.92	127.555		
1,600.00	1,598.70	1,601.70	1,601.70	5.44	31.83	-5.01	-3,227.01	3,092.83	4,442.03	4,404.77	37.26	119.232		
1,700.00	1,697.47	1,700.47	1,700.47	5.81	33.82	-5.06	-3,227.01	3,092.83	4,426.44	4,386.86	39.58	111.824		
1,800.00	1,795.62	1,801.38	1,798.62	6.19	35.85	-5.11	-3,227.01	3,092.83	4,407.44	4,365.48	41.96	105.042		
1,846.33	1,840.86	1,843.86	1,843.86	6.38	36.70	-5.14	-3,227.01	3,092.83	4,397.48	4,354.50	42.98	102.325		
1,900.00	1,893.17	1,903.83	1,896.17	6.60	37.91	-5.16	-3,227.01	3,092.83	4,385.52	4,341.15	44.37	98.847		
2,000.00	1,990.64	2,006.36	1,993.64	7.02	39.97	-5.18	-3,227.01	3,092.83	4,363.23	4,316.46	46.77	93.282		
2,100.00	2,088.10	2,108.90	2,091.10	7.46	42.03	-5.21	-3,227.01	3,092.83	4,340.95	4,291.76	49.19	88.255		
2,200.00	2,185.57	2,188.57	2,188.57	7.91	43.64	-5.24	-3,227.01	3,092.83	4,318.67	4,267.53	51.14	84.445		
2,300.00	2,283.03	2,286.03	2,286.03	8.37	45.60	-5.26	-3,227.01	3,092.83	4,296.39	4,242.93	53.46	80.369		
2,400.00	2,380.50	2,383.50	2,383.50	8.84	47.56	-5.29	-3,227.01	3,092.83	4,274.11	4,218.33	55.78	76.628		
2,500.00	2,477.97	2,480.97	2,480.97	9.32	49.52	-5.32	-3,227.01	3,092.83	4,251.83	4,193.73	58.10	73.183		
2,600.00	2,575.43	2,578.43	2,578.43	9.80	51.48	-5.35	-3,227.01	3,092.83	4,229.55	4,169.13	60.42	70.000		
2,700.00	2,672.90	2,675.90	2,675.90	10.28	53.44	-5.38	-3,227.01	3,092.83	4,207.27	4,144.52	62.75	67.051		
2,800.00	2,770.36	2,773.36	2,773.36	10.77	55.40	-5.40	-3,227.01	3,092.83	4,184.99	4,119.92	65.07	64.311		
2,900.00	2,867.83	2,870.83	2,870.83	11.26	57.36	-5.43	-3,227.01	3,092.83	4,162.72	4,095.32	67.40	61.759		
3,000.00	2,965.29	2,968.29	2,968.29	11.76	59.32	-5.46	-3,227.01	3,092.83	4,140.44	4,070.71	69.73	59.376		
3,100.00	3,062.76	3,065.76	3,065.76	12.26	61.28	-5.49	-3,227.01	3,092.83	4,118.17	4,046.11	72.06	57.147		
3,200.00	3,160.23	3,163.23	3,163.23	12.76	63.24	-5.52	-3,227.01	3,092.83	4,095.90	4,021.50	74.39	55.056		
3,300.00	3,257.69	3,260.69	3,260.69	13.27	65.20	-5.55	-3,227.01	3,092.83	4,073.63	3,996.90	76.73	53.092		
3,400.00	3,355.16	3,358.16	3,358.16	13.77	67.16	-5.58	-3,227.01	3,092.83	4,051.36	3,972.30	79.06	51.243		
3,500.00	3,452.62	3,455.62	3,455.62	14.28	69.12	-5.61	-3,227.01	3,092.83	4,029.09	3,947.69	81.40	49.500		
3,600.00	3,550.09	3,553.09	3,553.09	14.79	71.08	-5.65	-3,227.01	3,092.83	4,006.82	3,923.09	83.73	47.853		
3,700.00	3,647.55	3,650.55	3,650.55	15.30	73.04	-5.68	-3,227.01	3,092.83	3,984.55	3,898.49	86.07	46.296		
3,800.00	3,745.02	3,748.02	3,748.02	15.81	75.00	-5.71	-3,227.01	3,092.83	3,962.29	3,873.88	88.40	44.820		
3,900.00	3,842.49	3,845.49	3,845.49	16.32	76.96	-5.74	-3,227.01	3,092.83	3,940.02	3,849.28	90.74	43.420		
4,000.00	3,939.95	3,942.95	3,942.95	16.84	78.92	-5.77	-3,227.01	3,092.83	3,917.76	3,824.68	93.08	42.091		
4,100.00	4,037.42	4,040.42	4,040.42	17.35	80.88	-5.81	-3,227.01	3,092.83	3,895.50	3,800.08	95.42	40.826		
4,200.00	4,134.88	4,137.88	4,137.88	17.87	82.84	-5.84	-3,227.01	3,092.83	3,873.24	3,775.48	97.76	39.621		
4,300.00	4,232.35	4,235.35	4,235.35	18.39	84.80	-5.87	-3,227.01	3,092.83	3,850.98	3,750.88	100.10	38.473		
4,400.00	4,329.81	4,332.81	4,332.81	18.90	86.76	-5.91	-3,227.01	3,092.83	3,828.72	3,726.29	102.44	37.377		
4,500.00	4,427.28	4,430.28	4,430.28	19.42	88.72	-5.94	-3,227.01	3,092.83	3,806.46	3,701.69	104.78	36.330		
4,600.00	4,524.75	4,527.75	4,527.75	19.94	90.68	-5.98	-3,227.01	3,092.83	3,784.21	3,677.09	107.12	35.328		
4,700.00	4,622.21	4,625.21	4,625.21	20.46	92.64	-6.01	-3,227.01	3,092.83	3,761.95	3,652.50	109.46	34.369		
4,800.00	4,719.68	4,722.68	4,722.68	20.98	94.60	-6.05	-3,227.01	3,092.83	3,739.70	3,627.90	111.80	33.450		
4,900.00	4,817.14	4,820.14	4,820.14	21.50	96.56	-6.09	-3,227.01	3,092.83	3,717.45	3,603.31	114.14	32.569		
5,000.00	4,914.61	4,917.61	4,917.61	22.02	98.52	-6.12	-3,227.01	3,092.83	3,695.20	3,578.72	116.48	31.723		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
5,100.00	5,012.07	5,015.07	5,015.07	22.54	100.48	-6.16	-3,227.01	3,092.83	3,672.95	3,554.13	118.82	30.911		
5,200.00	5,109.54	5,112.54	5,112.54	23.06	102.44	-6.20	-3,227.01	3,092.83	3,650.71	3,529.54	121.17	30.130		
5,300.00	5,207.01	5,210.01	5,210.01	23.59	104.40	-6.24	-3,227.01	3,092.83	3,628.46	3,504.95	123.51	29.378		
5,400.00	5,304.47	5,307.47	5,307.47	24.11	106.36	-6.27	-3,227.01	3,092.83	3,606.22	3,480.36	125.85	28.654		
5,500.00	5,401.94	5,404.94	5,404.94	24.63	108.33	-6.31	-3,227.01	3,092.83	3,583.97	3,455.78	128.20	27.957		
5,600.00	5,499.40	5,502.40	5,502.40	25.16	110.29	-6.35	-3,227.01	3,092.83	3,561.73	3,431.19	130.54	27.284		
5,700.00	5,596.87	5,600.13	5,599.87	25.68	112.25	-6.39	-3,227.01	3,092.83	3,539.49	3,406.60	132.89	26.635		
5,800.00	5,694.33	5,702.67	5,697.33	26.20	114.31	-6.43	-3,227.01	3,092.83	3,517.26	3,381.92	135.34	25.989		
5,900.00	5,791.80	5,805.20	5,794.80	26.73	116.37	-6.48	-3,227.01	3,092.83	3,495.02	3,357.24	137.78	25.366		
6,000.00	5,889.27	5,907.74	5,892.27	27.25	118.44	-6.52	-3,227.01	3,092.83	3,472.79	3,332.56	140.23	24.765		
6,100.00	5,986.73	5,989.73	5,989.73	27.78	120.09	-6.56	-3,227.01	3,092.83	3,450.56	3,308.29	142.26	24.255		
6,200.00	6,084.20	6,087.20	6,087.20	28.30	122.05	-6.60	-3,227.01	3,092.83	3,428.33	3,283.72	144.61	23.708		
6,300.00	6,181.66	6,184.66	6,184.66	28.82	124.01	-6.65	-3,227.01	3,092.83	3,406.10	3,259.14	146.95	23.178		
6,400.00	6,279.13	6,282.13	6,282.13	29.35	125.97	-6.69	-3,227.01	3,092.83	3,383.87	3,234.57	149.30	22.665		
6,500.00	6,376.59	6,379.59	6,379.59	29.88	127.93	-6.73	-3,227.01	3,092.83	3,361.65	3,210.00	151.65	22.168		
6,600.00	6,474.06	6,477.06	6,477.06	30.40	129.89	-6.78	-3,227.01	3,092.83	3,339.42	3,185.43	153.99	21.686		
6,700.00	6,571.53	6,574.53	6,574.53	30.93	131.85	-6.82	-3,227.01	3,092.83	3,317.20	3,160.86	156.34	21.218		
6,800.00	6,668.99	6,671.99	6,671.99	31.45	133.81	-6.87	-3,227.01	3,092.83	3,294.98	3,136.30	158.69	20.764		
6,887.36	6,754.14	6,757.14	6,757.14	31.91	135.52	-6.91	-3,227.01	3,092.83	3,275.57	3,114.84	160.74	20.378		
6,900.00	6,766.46	6,769.46	6,769.46	31.98	135.77	-6.91	-3,227.01	3,092.83	3,272.79	3,111.76	161.03	20.324		
7,000.00	6,864.39	6,867.39	6,867.39	32.48	137.74	-6.90	-3,227.01	3,092.83	3,252.70	3,089.32	163.39	19.908		
7,100.00	6,962.96	6,965.96	6,965.96	32.94	139.72	-6.90	-3,227.01	3,092.83	3,236.02	3,070.27	165.74	19.524		
7,200.00	7,062.06	7,065.06	7,065.06	33.36	141.71	-6.89	-3,227.01	3,092.83	3,222.76	3,054.65	168.10	19.171		
7,300.00	7,161.57	7,164.57	7,164.57	33.74	143.71	-6.89	-3,227.01	3,092.83	3,212.94	3,042.48	170.46	18.848		
7,400.00	7,261.36	7,264.36	7,264.36	34.08	145.72	-6.89	-3,227.01	3,092.83	3,206.58	3,033.76	172.82	18.554		
7,500.00	7,361.31	7,364.31	7,364.31	34.39	147.73	-6.89	-3,227.01	3,092.83	3,203.68	3,028.51	175.17	18.289		
7,533.69	7,395.00	7,402.00	7,398.00	34.48	148.49	134.26	-3,227.01	3,092.83	3,203.49	3,027.45	176.04	18.198		
7,600.00	7,461.31	7,464.31	7,464.31	34.65	149.74	134.26	-3,227.01	3,092.83	3,203.49	3,025.99	177.50	18.048		
7,633.69	7,495.00	7,502.00	7,498.00	34.73	150.50	134.26	-3,227.01	3,092.83	3,203.49	3,025.13	178.36	17.961		
7,650.00	7,511.31	7,514.31	7,514.31	34.78	150.74	-45.42	-3,227.01	3,092.83	3,203.32	3,024.66	178.66	17.930		
7,700.00	7,561.16	7,564.16	7,564.16	34.94	151.75	-45.64	-3,227.01	3,092.83	3,200.80	3,020.96	179.84	17.798		
7,750.00	7,610.51	7,613.51	7,613.51	35.14	152.74	-46.15	-3,227.01	3,092.83	3,195.24	3,014.21	181.02	17.651		
7,800.00	7,658.98	7,661.98	7,661.98	35.37	153.71	-46.93	-3,227.01	3,092.83	3,186.70	3,004.50	182.20	17.490		
7,850.00	7,706.21	7,709.21	7,709.21	35.64	154.66	-48.01	-3,227.01	3,092.83	3,175.29	2,991.92	183.37	17.316		
7,900.00	7,751.82	7,754.82	7,754.82	35.93	155.58	-49.38	-3,227.01	3,092.83	3,161.11	2,976.59	184.51	17.132		
7,950.00	7,795.49	7,801.51	7,798.49	36.26	156.52	-51.07	-3,227.01	3,092.83	3,144.31	2,958.62	185.69	16.933		
8,000.00	7,836.86	7,839.86	7,839.86	36.62	157.29	-53.07	-3,227.01	3,092.83	3,125.08	2,938.37	186.71	16.738		
8,050.00	7,875.64	7,878.64	7,878.64	37.00	158.07	-55.41	-3,227.01	3,092.83	3,103.60	2,915.85	187.75	16.530		
8,100.00	7,911.52	7,914.52	7,914.52	37.42	158.79	-58.07	-3,227.01	3,092.83	3,080.11	2,891.36	188.75	16.319		
8,150.00	7,944.22	7,947.22	7,947.22	37.86	159.45	-61.06	-3,227.01	3,092.83	3,054.84	2,865.15	189.69	16.104		
8,200.00	7,973.51	7,976.51	7,976.51	38.32	160.04	-64.35	-3,227.01	3,092.83	3,028.05	2,837.47	190.58	15.888		
8,250.00	7,999.16	8,002.16	8,002.16	38.81	160.56	-67.90	-3,227.01	3,092.83	3,000.01	2,808.59	191.42	15.673		
8,300.00	8,020.98	8,023.98	8,023.98	39.31	160.99	-71.68	-3,227.01	3,092.83	2,970.99	2,778.80	192.19	15.458		
8,350.00	8,038.79	8,041.79	8,041.79	39.84	161.35	-75.61	-3,227.01	3,092.83	2,941.29	2,748.38	192.91	15.247		
8,400.00	8,052.46	8,055.46	8,055.46	40.38	161.63	-79.61	-3,227.01	3,092.83	2,911.17	2,717.61	193.56	15.040		
8,450.00	8,061.89	8,064.89	8,064.89	40.93	161.82	-83.59	-3,227.01	3,092.83	2,880.93	2,686.78	194.15	14.838		
8,500.00	8,067.01	8,070.01	8,070.01	41.49	161.92	-87.47	-3,227.01	3,092.83	2,850.83	2,656.15	194.68	14.644		
8,533.77	8,068.00	8,071.00	8,071.00	41.88	161.94	-90.00	-3,227.01	3,092.83	2,830.72	2,635.71	195.00	14.516		
8,600.00	8,068.00	8,071.00	8,071.00	42.64	161.94	-90.00	-3,227.01	3,092.83	2,792.01	2,596.37	195.63	14.272		
8,700.00	8,068.00	8,071.00	8,071.00	43.82	161.94	-90.00	-3,227.01	3,092.83	2,735.56	2,538.85	196.71	13.907		
8,800.00	8,068.00	8,071.00	8,071.00	45.04	161.94	-90.00	-3,227.01	3,092.83	2,681.66	2,483.72	197.94	13.548		
8,900.00	8,067.99	8,070.99	8,070.99	46.30	161.94	-90.00	-3,227.01	3,092.83	2,630.45	2,431.13	199.32	13.197		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design      Sec 34-T1N-R68W - EXIST VERT BICKLER 1 - Wellbore #1 - Design #1													Offset Site Error:	0.00 usft
Survey Program:      0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,000.00	8,067.99	8,070.99	8,070.99	47.59	161.94	-90.00	-3,227.01	3,092.83	2,582.11	2,381.26	200.84	12.856		
9,100.00	8,067.99	8,070.99	8,070.99	48.91	161.94	-90.00	-3,227.01	3,092.83	2,536.78	2,334.28	202.50	12.527		
9,200.00	8,067.99	8,070.99	8,070.99	50.26	161.94	-90.00	-3,227.01	3,092.83	2,494.65	2,290.36	204.29	12.212		
9,300.00	8,067.99	8,070.99	8,070.99	51.63	161.94	-90.00	-3,227.01	3,092.83	2,455.86	2,249.68	206.18	11.911		
9,400.00	8,067.99	8,070.99	8,070.99	53.03	161.94	-90.00	-3,227.01	3,092.83	2,420.59	2,212.41	208.18	11.627		
9,500.00	8,067.98	8,070.98	8,070.98	54.44	161.94	-90.00	-3,227.01	3,092.83	2,388.98	2,178.72	210.26	11.362		
9,600.00	8,067.98	8,070.98	8,070.98	55.88	161.94	-90.00	-3,227.01	3,092.83	2,361.19	2,148.79	212.40	11.117		
9,700.00	8,067.98	8,070.98	8,070.98	57.34	161.94	-90.00	-3,227.01	3,092.83	2,337.35	2,122.77	214.58	10.892		
9,800.00	8,067.98	8,070.98	8,070.98	58.81	161.94	-90.00	-3,227.01	3,092.83	2,317.58	2,100.79	216.80	10.690		
9,900.00	8,067.98	8,070.98	8,070.98	60.31	161.94	-90.00	-3,227.01	3,092.83	2,302.00	2,082.99	219.01	10.511		
10,000.00	8,067.98	8,070.98	8,070.98	61.81	161.94	-90.00	-3,227.01	3,092.83	2,290.67	2,069.46	221.21	10.355		
10,100.00	8,067.98	8,070.98	8,070.98	63.33	161.94	-90.00	-3,227.01	3,092.83	2,283.67	2,060.31	223.37	10.224		
10,200.00	8,067.97	8,070.97	8,070.97	64.86	161.94	-90.00	-3,227.01	3,092.83	2,281.04	2,055.57	225.47	10.117		
10,210.06	8,067.97	8,070.97	8,070.97	65.02	161.94	-90.00	-3,227.01	3,092.83	2,281.02	2,055.34	225.68	10.107 CC		
10,300.00	8,067.97	8,070.97	8,070.97	66.41	161.94	-90.00	-3,227.01	3,092.83	2,282.79	2,055.29	227.50	10.034 ES		
10,400.00	8,067.97	8,070.97	8,070.97	67.96	161.94	-90.00	-3,227.01	3,092.83	2,288.91	2,059.47	229.44	9.976		
10,500.00	8,067.97	8,070.97	8,070.97	69.53	161.94	-90.00	-3,227.01	3,092.83	2,299.37	2,068.09	231.28	9.942		
10,600.00	8,067.97	8,070.97	8,070.97	71.10	161.94	-90.00	-3,227.01	3,092.83	2,314.11	2,081.10	233.01	9.931 SF		
10,700.00	8,067.97	8,070.97	8,070.97	72.69	161.94	-90.00	-3,227.01	3,092.83	2,333.04	2,098.42	234.62	9.944		
10,800.00	8,067.97	8,070.97	8,070.97	74.28	161.94	-90.00	-3,227.01	3,092.83	2,356.07	2,119.97	236.10	9.979		
10,900.00	8,067.97	8,070.97	8,070.97	75.88	161.94	-90.00	-3,227.01	3,092.83	2,383.08	2,145.62	237.45	10.036		
11,000.00	8,067.97	8,070.97	8,070.97	77.49	161.94	-90.00	-3,227.01	3,092.83	2,413.93	2,175.25	238.68	10.114		
11,100.00	8,067.97	8,070.97	8,070.97	79.10	161.94	-90.00	-3,227.01	3,092.83	2,448.47	2,208.69	239.78	10.211		
11,200.00	8,067.96	8,070.96	8,070.96	80.73	161.94	-90.00	-3,227.01	3,092.83	2,486.56	2,245.81	240.76	10.328		
11,300.00	8,067.96	8,070.96	8,070.96	82.35	161.94	-90.00	-3,227.01	3,092.83	2,528.04	2,286.43	241.61	10.463		
11,400.00	8,067.96	8,070.96	8,070.96	83.99	161.94	-90.00	-3,227.01	3,092.83	2,572.74	2,330.37	242.36	10.615		
11,500.00	8,067.96	8,070.96	8,070.96	85.63	161.94	-90.00	-3,227.01	3,092.83	2,620.49	2,377.48	243.00	10.784		
11,600.00	8,067.96	8,070.96	8,070.96	87.27	161.94	-90.00	-3,227.01	3,092.83	2,671.13	2,427.58	243.55	10.968		
11,700.00	8,067.96	8,070.96	8,070.96	88.92	161.94	-90.00	-3,227.01	3,092.83	2,724.50	2,480.50	244.00	11.166		
11,800.00	8,067.96	8,070.96	8,070.96	90.58	161.94	-90.00	-3,227.01	3,092.83	2,780.45	2,536.07	244.38	11.378		
11,900.00	8,067.96	8,070.96	8,070.96	92.23	161.94	-90.00	-3,227.01	3,092.83	2,838.82	2,594.14	244.68	11.602		
12,000.00	8,067.96	8,070.96	8,070.96	93.90	161.94	-90.00	-3,227.01	3,092.83	2,899.46	2,654.55	244.91	11.839		
12,100.00	8,067.96	8,070.96	8,070.96	95.56	161.94	-90.00	-3,227.01	3,092.83	2,962.24	2,717.15	245.08	12.087		
12,200.00	8,067.96	8,070.96	8,070.96	97.23	161.94	-90.00	-3,227.01	3,092.83	3,027.01	2,781.81	245.20	12.345		
12,300.00	8,067.96	8,070.96	8,070.96	98.91	161.94	-90.00	-3,227.01	3,092.83	3,093.67	2,848.39	245.28	12.613		
12,400.00	8,067.96	8,070.96	8,070.96	100.59	161.94	-90.00	-3,227.01	3,092.83	3,162.08	2,916.78	245.31	12.890		
12,500.00	8,067.96	8,070.96	8,070.96	102.27	161.94	-90.00	-3,227.01	3,092.83	3,232.14	2,986.84	245.30	13.176		
12,600.00	8,067.96	8,070.96	8,070.96	103.95	161.94	-90.00	-3,227.01	3,092.83	3,303.75	3,058.48	245.26	13.470		
12,700.00	8,067.96	8,070.96	8,070.96	105.64	161.94	-90.00	-3,227.01	3,092.83	3,376.79	3,131.59	245.20	13.772		
12,800.00	8,067.96	8,070.96	8,070.96	107.33	161.94	-90.00	-3,227.01	3,092.83	3,451.19	3,206.08	245.11	14.080		
12,900.00	8,067.96	8,070.96	8,070.96	109.02	161.94	-90.00	-3,227.01	3,092.83	3,526.85	3,281.85	245.00	14.396		
13,000.00	8,067.96	8,070.96	8,070.96	110.71	161.94	-90.00	-3,227.01	3,092.83	3,603.70	3,358.83	244.87	14.717		
13,100.00	8,067.96	8,070.96	8,070.96	112.41	161.94	-90.00	-3,227.01	3,092.83	3,681.66	3,436.93	244.73	15.044		
13,200.00	8,067.96	8,070.96	8,070.96	114.11	161.94	-90.00	-3,227.01	3,092.83	3,760.66	3,516.09	244.57	15.377		
13,300.00	8,067.96	8,070.96	8,070.96	115.81	161.94	-90.00	-3,227.01	3,092.83	3,840.65	3,596.24	244.41	15.714		
13,400.00	8,067.96	8,070.96	8,070.96	117.52	161.94	-90.00	-3,227.01	3,092.83	3,921.55	3,677.31	244.23	16.057		
13,500.00	8,067.96	8,070.96	8,070.96	119.22	161.94	-90.00	-3,227.01	3,092.83	4,003.31	3,759.26	244.05	16.403		
13,600.00	8,067.96	8,070.96	8,070.96	120.93	161.94	-90.00	-3,227.01	3,092.83	4,085.89	3,842.02	243.87	16.754		
13,700.00	8,067.96	8,070.96	8,070.96	122.64	161.94	-90.00	-3,227.01	3,092.83	4,169.23	3,925.55	243.68	17.109		
13,800.00	8,067.96	8,070.96	8,070.96	124.35	161.94	-90.00	-3,227.01	3,092.83	4,253.29	4,009.80	243.49	17.468		
13,900.00	8,067.96	8,070.96	8,070.96	126.06	161.94	-90.00	-3,227.01	3,092.83	4,338.02	4,094.72	243.30	17.830		
14,000.00	8,067.96	8,070.96	8,070.96	127.78	161.94	-90.00	-3,227.01	3,092.83	4,423.39	4,180.29	243.10	18.196		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design      Sec 34-T1N-R68W - EXIST VERT BICKLER 1 - Wellbore #1 - Design #1													Offset Site Error:	0.00 usft
Survey Program:      0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	8,067.96	8,070.96	8,070.96	129.50	161.94	-90.00	-3,227.01	3,092.83	4,509.36	4,266.46	242.91	18.564		
14,200.00	8,067.96	8,070.96	8,070.96	131.21	161.94	-90.00	-3,227.01	3,092.83	4,595.90	4,353.19	242.71	18.936		
14,300.00	8,067.96	8,070.96	8,070.96	132.93	161.94	-90.00	-3,227.01	3,092.83	4,682.98	4,440.46	242.52	19.310		
14,400.00	8,067.96	8,070.96	8,070.96	134.65	161.94	-90.00	-3,227.01	3,092.83	4,770.56	4,528.23	242.33	19.686		
14,500.00	8,067.96	8,070.96	8,070.96	136.38	161.94	-90.00	-3,227.01	3,092.83	4,858.62	4,616.49	242.14	20.066		
14,600.00	8,067.96	8,070.96	8,070.96	138.10	161.94	-90.00	-3,227.01	3,092.83	4,947.14	4,705.19	241.95	20.447		
14,700.00	8,067.96	8,070.96	8,070.96	139.82	161.94	-90.00	-3,227.01	3,092.83	5,036.09	4,794.32	241.77	20.830		
14,800.00	8,067.96	8,070.96	8,070.96	141.55	161.94	-90.00	-3,227.01	3,092.83	5,125.44	4,883.86	241.58	21.216		
14,900.00	8,067.96	8,070.96	8,070.96	143.28	161.94	-90.00	-3,227.01	3,092.83	5,215.18	4,973.78	241.40	21.604		
15,000.00	8,067.96	8,070.96	8,070.96	145.00	161.94	-90.00	-3,227.01	3,092.83	5,305.29	5,064.06	241.23	21.993		
15,100.00	8,067.96	8,070.96	8,070.96	146.73	161.94	-90.00	-3,227.01	3,092.83	5,395.74	5,154.69	241.05	22.384		
15,200.00	8,067.96	8,070.96	8,070.96	148.46	161.94	-90.00	-3,227.01	3,092.83	5,486.53	5,245.65	240.88	22.777		
15,300.00	8,067.96	8,070.96	8,070.96	150.19	161.94	-90.00	-3,227.01	3,092.83	5,577.63	5,336.92	240.72	23.171		
15,400.00	8,067.96	8,070.96	8,070.96	151.93	161.94	-90.00	-3,227.01	3,092.83	5,669.03	5,428.48	240.55	23.567		
15,500.00	8,067.96	8,070.96	8,070.96	153.66	161.94	-90.00	-3,227.01	3,092.83	5,760.72	5,520.33	240.39	23.964		
15,600.00	8,067.96	8,070.96	8,070.96	155.39	161.94	-90.00	-3,227.01	3,092.83	5,852.68	5,612.44	240.24	24.362		
15,700.00	8,067.97	8,070.97	8,070.97	157.13	161.94	-90.00	-3,227.01	3,092.83	5,944.90	5,704.81	240.09	24.762		
15,800.00	8,067.97	8,070.97	8,070.97	158.86	161.94	-90.00	-3,227.01	3,092.83	6,037.37	5,797.43	239.94	25.162		
15,900.00	8,067.97	8,070.97	8,070.97	160.60	161.94	-90.00	-3,227.01	3,092.83	6,130.07	5,890.28	239.79	25.564		
16,000.00	8,067.97	8,070.97	8,070.97	162.34	161.94	-90.00	-3,227.01	3,092.83	6,223.00	5,983.35	239.65	25.967		
16,100.00	8,067.97	8,070.97	8,070.97	164.08	161.94	-90.00	-3,227.01	3,092.83	6,316.15	6,076.63	239.51	26.371		
16,200.00	8,067.97	8,070.97	8,070.97	165.81	161.94	-90.00	-3,227.01	3,092.83	6,409.50	6,170.12	239.38	26.776		
16,300.00	8,067.97	8,070.97	8,070.97	167.55	161.94	-90.00	-3,227.01	3,092.83	6,503.05	6,263.80	239.25	27.181		
16,400.00	8,067.97	8,070.97	8,070.97	169.29	161.94	-90.00	-3,227.01	3,092.83	6,596.79	6,357.67	239.12	27.588		
16,500.00	8,067.97	8,070.97	8,070.97	171.04	161.94	-90.00	-3,227.01	3,092.83	6,690.71	6,451.71	238.99	27.995		
16,600.00	8,067.98	8,070.98	8,070.98	172.78	161.94	-90.00	-3,227.01	3,092.83	6,784.80	6,545.93	238.87	28.403		
16,700.00	8,067.98	8,070.98	8,070.98	174.52	161.94	-90.00	-3,227.01	3,092.83	6,879.06	6,640.30	238.76	28.812		
16,800.00	8,067.98	8,070.98	8,070.98	176.26	161.94	-90.00	-3,227.01	3,092.83	6,973.48	6,734.84	238.64	29.222		
16,900.00	8,067.98	8,070.98	8,070.98	178.01	161.94	-90.00	-3,227.01	3,092.83	7,068.05	6,829.52	238.53	29.632		
17,000.00	8,067.98	8,070.98	8,070.98	179.75	161.94	-90.00	-3,227.01	3,092.83	7,162.78	6,924.35	238.42	30.042		
17,100.00	8,067.98	8,070.98	8,070.98	181.49	161.94	-90.00	-3,227.01	3,092.83	7,257.64	7,019.32	238.32	30.454		
17,200.00	8,067.98	8,070.98	8,070.98	183.24	161.94	-90.00	-3,227.01	3,092.83	7,352.64	7,114.42	238.22	30.865		
17,300.00	8,067.99	8,070.99	8,070.99	184.99	161.94	-90.00	-3,227.01	3,092.83	7,447.77	7,209.65	238.12	31.278		
17,400.00	8,067.99	8,070.99	8,070.99	186.73	161.94	-90.00	-3,227.01	3,092.83	7,543.02	7,305.00	238.02	31.690		
17,500.00	8,067.99	8,070.99	8,070.99	188.48	161.94	-90.00	-3,227.01	3,092.83	7,638.40	7,400.47	237.93	32.104		
17,600.00	8,067.99	8,070.99	8,070.99	190.23	161.94	-90.00	-3,227.01	3,092.83	7,733.89	7,496.05	237.84	32.517		
17,700.00	8,067.99	8,070.99	8,070.99	191.97	161.94	-90.00	-3,227.01	3,092.83	7,829.50	7,591.75	237.75	32.931		
17,800.00	8,067.99	8,070.99	8,070.99	193.72	161.94	-90.00	-3,227.01	3,092.83	7,925.21	7,687.54	237.67	33.346		
17,900.00	8,068.00	8,071.00	8,071.00	195.47	161.94	-90.00	-3,227.01	3,092.83	8,021.03	7,783.45	237.59	33.760		
18,000.00	8,068.00	8,071.00	8,071.00	197.22	161.94	-90.00	-3,227.01	3,092.83	8,116.95	7,879.44	237.51	34.175		
18,100.00	8,068.00	8,071.00	8,071.00	198.97	161.94	-90.00	-3,227.01	3,092.83	8,212.97	7,975.54	237.43	34.591		
18,184.63	8,068.00	8,071.00	8,071.00	200.45	161.94	-90.00	-3,227.01	3,092.83	8,294.31	8,056.94	237.37	34.942		
18,185.16	8,068.00	8,071.00	8,071.00	200.47	161.94	-90.00	-3,227.01	3,092.83	8,294.81	8,055.46	239.35	34.655		

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 6-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
6,600.00	6,474.06	6,864.90	6,577.35	30.40	39.60	7.31	-9,381.98	5,972.07	9,995.11	9,933.92	61.18	163.364		
6,700.00	6,571.53	6,928.19	6,640.63	30.93	39.73	7.32	-9,380.97	5,971.56	9,971.19	9,909.47	61.72	161.564		
6,800.00	6,668.99	7,032.47	6,744.90	31.45	39.95	7.33	-9,379.23	5,971.51	9,947.59	9,885.27	62.32	159.611		
6,887.36	6,754.14	7,141.10	6,853.50	31.91	40.18	7.34	-9,376.85	5,971.57	9,926.63	9,863.74	62.88	157.859		
6,900.00	6,766.46	7,153.93	6,866.33	31.98	40.20	7.34	-9,376.53	5,971.63	9,923.62	9,860.66	62.96	157.622		
7,000.00	6,864.39	7,238.69	6,951.06	32.48	40.38	7.28	-9,374.38	5,972.16	9,901.75	9,838.23	63.52	155.895		
7,100.00	6,962.96	7,494.24	7,206.43	32.94	40.91	7.23	-9,365.01	5,973.31	9,881.73	9,817.36	64.37	153.516		
7,200.00	7,062.06	7,536.00	7,248.16	33.36	41.00	7.19	-9,363.64	5,972.96	9,865.39	9,800.54	64.85	152.134		
7,300.00	7,161.57	7,599.71	7,311.85	33.74	41.16	7.17	-9,362.19	5,971.99	9,852.90	9,787.53	65.37	150.716		
7,400.00	7,261.36	7,630.00	7,342.13	34.08	41.23	7.15	-9,361.79	5,971.32	9,844.42	9,778.61	65.82	149.571		
7,500.00	7,361.31	7,695.06	7,407.17	34.39	41.40	7.14	-9,361.35	5,969.90	9,839.86	9,773.52	66.34	148.330		
7,533.69	7,395.00	7,724.00	7,436.11	34.48	41.47	148.29	-9,361.27	5,969.36	9,839.26	9,772.73	66.52	147.906		
7,600.00	7,461.31	7,755.04	7,467.14	34.65	41.55	148.30	-9,361.25	5,968.82	9,838.55	9,771.73	66.82	147.238		
7,633.69	7,495.00	7,782.30	7,494.40	34.73	41.62	148.30	-9,361.24	5,968.35	9,838.24	9,771.24	67.00	146.841		
7,650.00	7,511.31	7,795.50	7,507.59	34.78	41.65	-31.38	-9,361.25	5,968.12	9,837.90	9,770.81	67.09	146.644		
7,700.00	7,561.16	7,838.26	7,550.35	34.94	41.76	-31.57	-9,361.30	5,967.38	9,834.42	9,767.05	67.37	145.979		
7,750.00	7,610.51	7,883.62	7,595.71	35.14	41.87	-31.97	-9,361.33	5,966.67	9,827.27	9,759.61	67.66	145.246		
7,800.00	7,658.98	7,912.00	7,624.08	35.37	41.94	-32.57	-9,361.34	5,966.25	9,816.52	9,748.61	67.91	144.553		
7,850.00	7,706.21	7,951.03	7,663.10	35.64	42.04	-33.42	-9,361.37	5,965.77	9,802.27	9,734.09	68.18	143.768		
7,900.00	7,751.82	7,978.52	7,690.59	35.93	42.11	-34.51	-9,361.42	5,965.51	9,784.69	9,716.26	68.42	143.005		
7,950.00	7,795.49	8,006.00	7,718.07	36.26	42.17	-35.88	-9,361.49	5,965.30	9,763.88	9,695.22	68.66	142.213		
8,000.00	7,836.86	8,043.13	7,755.21	36.62	42.26	-37.59	-9,361.60	5,965.07	9,739.97	9,671.06	68.91	141.352		
8,050.00	7,875.64	8,079.63	7,791.70	37.00	42.35	-39.67	-9,361.72	5,964.84	9,713.12	9,643.98	69.14	140.475		
8,100.00	7,911.52	8,110.29	7,822.37	37.42	42.42	-42.18	-9,361.82	5,964.66	9,683.55	9,614.19	69.36	139.616		
8,150.00	7,944.22	8,133.92	7,845.99	37.86	42.47	-45.16	-9,361.89	5,964.58	9,651.50	9,581.96	69.54	138.787		
8,200.00	7,973.51	8,155.05	7,867.13	38.32	42.52	-48.70	-9,361.94	5,964.56	9,617.22	9,547.52	69.71	137.963		
8,250.00	7,999.16	8,173.54	7,885.61	38.81	42.56	-52.88	-9,361.97	5,964.59	9,580.98	9,511.13	69.86	137.149		
8,300.00	8,020.98	8,194.00	7,906.07	39.31	42.61	-57.81	-9,361.99	5,964.68	9,543.06	9,473.06	70.00	136.329		
8,350.00	8,038.79	8,207.28	7,919.35	39.84	42.63	-63.47	-9,362.00	5,964.74	9,503.73	9,433.61	70.11	135.549		
8,400.00	8,052.46	8,223.48	7,935.55	40.38	42.67	-69.93	-9,362.01	5,964.82	9,463.29	9,393.07	70.22	134.767		
8,450.00	8,061.89	8,234.66	7,946.73	40.93	42.69	-77.02	-9,362.02	5,964.87	9,422.06	9,351.76	70.31	134.014		
8,500.00	8,067.01	8,240.74	7,952.81	41.49	42.70	-84.54	-9,362.02	5,964.90	9,380.37	9,309.99	70.37	133.292		
8,533.77	8,068.00	8,241.93	7,954.00	41.88	42.71	-89.71	-9,362.02	5,964.90	9,352.10	9,281.69	70.41	132.823		
8,600.00	8,068.00	8,241.97	7,954.04	42.64	42.71	-89.71	-9,362.02	5,964.90	9,296.73	9,226.25	70.48	131.903		
8,700.00	8,068.00	8,242.03	7,954.10	43.82	42.71	-89.71	-9,362.02	5,964.90	9,213.40	9,142.78	70.63	130.451		
8,800.00	8,068.00	8,242.08	7,954.15	45.04	42.71	-89.71	-9,362.02	5,964.90	9,130.41	9,059.59	70.82	128.927		
8,900.00	8,067.99	8,242.14	7,954.21	46.30	42.71	-89.71	-9,362.02	5,964.90	9,047.76	8,976.71	71.06	127.330		
9,000.00	8,067.99	8,242.20	7,954.27	47.59	42.71	-89.71	-9,362.02	5,964.90	8,965.47	8,894.12	71.35	125.663		
9,100.00	8,067.99	8,242.26	7,954.33	48.91	42.71	-89.71	-9,362.02	5,964.90	8,883.54	8,811.86	71.68	123.929		
9,200.00	8,067.99	8,242.31	7,954.38	50.26	42.71	-89.71	-9,362.02	5,964.90	8,801.98	8,729.91	72.07	122.132		
9,300.00	8,067.99	8,242.37	7,954.44	51.63	42.71	-89.72	-9,362.02	5,964.90	8,720.80	8,648.30	72.51	120.274		
9,400.00	8,067.99	8,242.43	7,954.50	53.03	42.71	-89.72	-9,362.02	5,964.90	8,640.03	8,567.03	73.00	118.361		
9,500.00	8,067.98	8,242.48	7,954.55	54.44	42.71	-89.72	-9,362.02	5,964.90	8,559.65	8,486.11	73.54	116.398		
9,600.00	8,067.98	8,242.54	7,954.61	55.88	42.71	-89.72	-9,362.02	5,964.91	8,479.70	8,405.56	74.13	114.389		
9,700.00	8,067.98	8,242.60	7,954.67	57.34	42.71	-89.72	-9,362.02	5,964.91	8,400.17	8,325.39	74.77	112.340		
9,800.00	8,067.98	8,242.65	7,954.72	58.81	42.71	-89.72	-9,362.02	5,964.91	8,321.08	8,245.61	75.47	110.256		
9,900.00	8,067.98	8,242.71	7,954.78	60.31	42.71	-89.72	-9,362.02	5,964.91	8,242.45	8,166.23	76.22	108.143		
10,000.00	8,067.98	8,242.77	7,954.84	61.81	42.71	-89.72	-9,362.02	5,964.91	8,164.29	8,087.27	77.02	106.008		
10,100.00	8,067.98	8,242.82	7,954.89	63.33	42.71	-89.72	-9,362.02	5,964.91	8,086.61	8,008.74	77.87	103.854		
10,200.00	8,067.97	8,242.88	7,954.95	64.86	42.71	-89.72	-9,362.02	5,964.91	8,009.42	7,930.65	78.76	101.689		
10,300.00	8,067.97	8,242.94	7,955.01	66.41	42.71	-89.72	-9,362.02	5,964.91	7,932.74	7,853.03	79.71	99.516		
10,400.00	8,067.97	8,242.99	7,955.06	67.96	42.71	-89.72	-9,362.02	5,964.91	7,856.59	7,775.88	80.71	97.342		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 6-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		
10,500.00	8,067.97	8,243.05	7,955.12	69.53	42.71	-89.72	-9,362.02	5,964.91	7,780.97	7,699.22	81.76	95.171		
10,600.00	8,067.97	8,243.11	7,955.18	71.10	42.71	-89.72	-9,362.02	5,964.91	7,705.92	7,623.06	82.85	93.008		
10,700.00	8,067.97	8,243.16	7,955.23	72.69	42.71	-89.72	-9,362.02	5,964.91	7,631.43	7,547.44	83.99	90.856		
10,800.00	8,067.97	8,243.22	7,955.29	74.28	42.71	-89.72	-9,362.02	5,964.91	7,557.53	7,472.35	85.18	88.720		
10,900.00	8,067.97	8,243.27	7,955.35	75.88	42.71	-89.72	-9,362.02	5,964.91	7,484.24	7,397.82	86.42	86.603		
11,000.00	8,067.97	8,243.33	7,955.40	77.49	42.71	-89.73	-9,362.02	5,964.91	7,411.58	7,323.88	87.70	84.509		
11,100.00	8,067.97	8,243.39	7,955.46	79.10	42.71	-89.73	-9,362.02	5,964.91	7,339.56	7,250.53	89.03	82.440		
11,200.00	8,067.96	8,243.44	7,955.51	80.73	42.71	-89.73	-9,362.02	5,964.91	7,268.19	7,177.79	90.40	80.400		
11,300.00	8,067.96	8,243.50	7,955.57	82.35	42.71	-89.73	-9,362.02	5,964.91	7,197.52	7,105.70	91.82	78.390		
11,400.00	8,067.96	8,243.55	7,955.62	83.99	42.71	-89.73	-9,362.02	5,964.91	7,127.54	7,034.26	93.28	76.413		
11,500.00	8,067.96	8,243.61	7,955.68	85.63	42.71	-89.73	-9,362.02	5,964.91	7,058.29	6,963.51	94.78	74.471		
11,600.00	8,067.96	8,243.67	7,955.74	87.27	42.71	-89.73	-9,362.02	5,964.91	6,989.78	6,893.45	96.32	72.565		
11,700.00	8,067.96	8,243.72	7,955.79	88.92	42.71	-89.73	-9,362.02	5,964.91	6,922.03	6,824.12	97.91	70.696		
11,800.00	8,067.96	8,243.78	7,955.85	90.58	42.71	-89.73	-9,362.02	5,964.91	6,855.08	6,755.54	99.54	68.866		
11,900.00	8,067.96	8,243.83	7,955.90	92.23	42.71	-89.73	-9,362.02	5,964.91	6,788.94	6,687.73	101.21	67.076		
12,000.00	8,067.96	8,243.89	7,955.96	93.90	42.71	-89.73	-9,362.02	5,964.91	6,723.64	6,620.71	102.92	65.326		
12,100.00	8,067.96	8,243.94	7,956.01	95.56	42.71	-89.73	-9,362.02	5,964.91	6,659.19	6,554.52	104.67	63.618		
12,200.00	8,067.96	8,244.00	7,956.07	97.23	42.71	-89.73	-9,362.02	5,964.91	6,595.64	6,489.17	106.47	61.951		
12,300.00	8,067.96	8,244.05	7,956.12	98.91	42.71	-89.73	-9,362.02	5,964.91	6,532.99	6,424.70	108.30	60.326		
12,400.00	8,067.96	8,244.11	7,956.18	100.59	42.71	-89.73	-9,362.02	5,964.91	6,471.29	6,361.13	110.16	58.743		
12,500.00	8,067.96	8,244.16	7,956.24	102.27	42.71	-89.73	-9,362.02	5,964.91	6,410.55	6,298.48	112.07	57.202		
12,600.00	8,067.96	8,244.22	7,956.29	103.95	42.71	-89.74	-9,362.02	5,964.91	6,350.80	6,236.79	114.01	55.704		
12,700.00	8,067.96	8,244.27	7,956.35	105.64	42.71	-89.74	-9,362.02	5,964.91	6,292.08	6,176.09	115.99	54.248		
12,800.00	8,067.96	8,244.33	7,956.40	107.33	42.71	-89.74	-9,362.02	5,964.91	6,234.41	6,116.41	118.00	52.834		
12,900.00	8,067.96	8,244.38	7,956.46	109.02	42.71	-89.74	-9,362.02	5,964.91	6,177.82	6,057.77	120.05	51.462		
13,000.00	8,067.96	8,244.44	7,956.51	110.71	42.71	-89.74	-9,362.02	5,964.91	6,122.33	6,000.21	122.13	50.132		
13,100.00	8,067.96	8,244.49	7,956.57	112.41	42.71	-89.74	-9,362.02	5,964.91	6,067.99	5,943.76	124.24	48.842		
13,200.00	8,067.96	8,244.55	7,956.62	114.11	42.71	-89.74	-9,362.02	5,964.91	6,014.82	5,888.44	126.38	47.593		
13,300.00	8,067.96	8,244.60	7,956.67	115.81	42.71	-89.74	-9,362.02	5,964.91	5,962.86	5,834.31	128.55	46.385		
13,400.00	8,067.96	8,244.66	7,956.73	117.52	42.71	-89.74	-9,362.02	5,964.91	5,912.13	5,781.38	130.75	45.217		
13,500.00	8,067.96	8,244.71	7,956.78	119.22	42.71	-89.74	-9,362.02	5,964.91	5,862.66	5,729.68	132.98	44.088		
13,600.00	8,067.96	8,244.77	7,956.84	120.93	42.71	-89.74	-9,362.02	5,964.91	5,814.50	5,679.27	135.23	42.997		
13,700.00	8,067.96	8,244.82	7,956.89	122.64	42.71	-89.74	-9,362.02	5,964.91	5,767.66	5,630.16	137.50	41.945		
13,800.00	8,067.96	8,244.88	7,956.95	124.35	42.71	-89.74	-9,362.02	5,964.92	5,722.19	5,582.39	139.80	40.931		
13,900.00	8,067.96	8,244.93	7,957.00	126.06	42.71	-89.74	-9,362.02	5,964.92	5,678.12	5,536.00	142.12	39.954		
14,000.00	8,067.96	8,244.99	7,957.06	127.78	42.71	-89.74	-9,362.02	5,964.92	5,635.48	5,491.02	144.45	39.013		
14,100.00	8,067.96	8,245.04	7,957.11	129.50	42.71	-89.74	-9,362.02	5,964.92	5,594.30	5,447.49	146.80	38.108		
14,200.00	8,067.96	8,245.09	7,957.17	131.21	42.71	-89.74	-9,362.02	5,964.92	5,554.61	5,405.44	149.17	37.238		
14,300.00	8,067.96	8,245.15	7,957.22	132.93	42.71	-89.75	-9,362.02	5,964.92	5,516.45	5,364.91	151.54	36.403		
14,400.00	8,067.96	8,245.20	7,957.27	134.65	42.71	-89.75	-9,362.02	5,964.92	5,479.85	5,325.93	153.92	35.601		
14,500.00	8,067.96	8,245.26	7,957.33	136.38	42.71	-89.75	-9,362.02	5,964.92	5,444.85	5,288.53	156.31	34.833		
14,600.00	8,067.96	8,245.31	7,957.38	138.10	42.71	-89.75	-9,362.02	5,964.92	5,411.46	5,252.75	158.71	34.097		
14,700.00	8,067.96	8,245.36	7,957.44	139.82	42.71	-89.75	-9,362.02	5,964.92	5,379.73	5,218.62	161.10	33.393		
14,800.00	8,067.96	8,245.42	7,957.49	141.55	42.71	-89.75	-9,362.02	5,964.92	5,349.67	5,186.18	163.49	32.721		
14,900.00	8,067.96	8,245.47	7,957.54	143.28	42.71	-89.75	-9,362.02	5,964.92	5,321.33	5,155.45	165.88	32.079		
15,000.00	8,067.96	8,245.53	7,957.60	145.00	42.71	-89.75	-9,362.02	5,964.92	5,294.72	5,126.46	168.26	31.467		
15,100.00	8,067.96	8,245.58	7,957.65	146.73	42.71	-89.75	-9,362.02	5,964.92	5,269.88	5,099.25	170.63	30.885		
15,200.00	8,067.96	8,245.63	7,957.71	148.46	42.71	-89.75	-9,362.02	5,964.92	5,246.83	5,073.84	172.99	30.331		
15,300.00	8,067.96	8,245.69	7,957.76	150.19	42.71	-89.75	-9,362.02	5,964.92	5,225.58	5,050.26	175.33	29.805		
15,400.00	8,067.96	8,245.74	7,957.81	151.93	42.71	-89.75	-9,362.02	5,964.92	5,206.18	5,028.53	177.65	29.306		
15,500.00	8,067.96	8,245.79	7,957.87	153.66	42.71	-89.75	-9,362.02	5,964.92	5,188.62	5,008.68	179.94	28.835		
15,600.00	8,067.96	8,245.85	7,957.92	155.39	42.71	-89.75	-9,362.02	5,964.92	5,172.95	4,990.73	182.21	28.389		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> Sec 34-T1N-R68W - LARKRIDGE MA 03-10D - Wellbore #1 - Wellbore #1												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 6-MWD												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
15,700.00	8,067.97	8,245.90	7,957.97	157.13	42.71	-89.75	-9,362.02	5,964.92	5,159.16	4,974.70	184.46	27.970	
15,800.00	8,067.97	8,245.96	7,958.03	158.86	42.71	-89.75	-9,362.02	5,964.92	5,147.28	4,960.61	186.67	27.575	
15,900.00	8,067.97	8,246.01	7,958.08	160.60	42.71	-89.75	-9,362.02	5,964.92	5,137.31	4,948.47	188.84	27.204	
16,000.00	8,067.97	8,246.06	7,958.13	162.34	42.71	-89.76	-9,362.02	5,964.92	5,129.28	4,938.30	190.98	26.858	
16,100.00	8,067.97	8,246.12	7,958.19	164.08	42.71	-89.76	-9,362.02	5,964.92	5,123.19	4,930.11	193.08	26.535	
16,200.00	8,067.97	8,246.17	7,958.24	165.81	42.71	-89.76	-9,362.02	5,964.92	5,119.04	4,923.91	195.13	26.234	
16,300.00	8,067.97	8,246.22	7,958.29	167.55	42.71	-89.76	-9,362.02	5,964.92	5,116.85	4,919.71	197.14	25.956	
16,362.33	8,067.97	8,246.26	7,958.33	168.64	42.71	-89.76	-9,362.02	5,964.92	5,116.47	4,918.10	198.37	25.793 CC	
16,400.00	8,067.97	8,246.28	7,958.35	169.29	42.71	-89.76	-9,362.02	5,964.92	5,116.61	4,917.51	199.10	25.699	
16,500.00	8,067.97	8,246.33	7,958.40	171.04	42.71	-89.76	-9,362.02	5,964.92	5,118.32	4,917.31	201.01	25.463 ES	
16,600.00	8,067.98	8,246.38	7,958.45	172.78	42.71	-89.76	-9,362.02	5,964.92	5,121.98	4,919.12	202.87	25.248	
16,700.00	8,067.98	8,246.43	7,958.51	174.52	42.71	-89.76	-9,362.02	5,964.92	5,127.60	4,922.93	204.67	25.053	
16,800.00	8,067.98	8,246.49	7,958.56	176.26	42.72	-89.76	-9,362.02	5,964.92	5,135.15	4,928.73	206.42	24.877	
16,900.00	8,067.98	8,246.54	7,958.61	178.01	42.72	-89.76	-9,362.02	5,964.92	5,144.64	4,936.53	208.11	24.721	
17,000.00	8,067.98	8,246.59	7,958.66	179.75	42.72	-89.76	-9,362.02	5,964.92	5,156.05	4,946.31	209.74	24.583	
17,100.00	8,067.98	8,246.65	7,958.72	181.49	42.72	-89.76	-9,362.02	5,964.92	5,169.37	4,958.06	211.31	24.463	
17,200.00	8,067.98	8,246.70	7,958.77	183.24	42.72	-89.76	-9,362.02	5,964.92	5,184.58	4,971.76	212.82	24.361	
17,300.00	8,067.99	8,246.75	7,958.82	184.99	42.72	-89.76	-9,362.02	5,964.92	5,201.68	4,987.41	214.27	24.276	
17,400.00	8,067.99	8,246.80	7,958.88	186.73	42.72	-89.76	-9,362.02	5,964.92	5,220.63	5,004.97	215.65	24.208	
17,500.00	8,067.99	8,246.86	7,958.93	188.48	42.72	-89.76	-9,362.02	5,964.92	5,241.42	5,024.44	216.98	24.156	
17,600.00	8,067.99	8,246.91	7,958.98	190.23	42.72	-89.76	-9,362.02	5,964.92	5,264.03	5,045.79	218.24	24.121	
17,700.00	8,067.99	8,246.96	7,959.03	191.97	42.72	-89.77	-9,362.02	5,964.92	5,288.43	5,069.00	219.43	24.100	
17,800.00	8,067.99	8,247.01	7,959.09	193.72	42.72	-89.77	-9,362.02	5,964.92	5,314.61	5,094.04	220.57	24.095 SF	
17,900.00	8,068.00	8,247.07	7,959.14	195.47	42.72	-89.77	-9,362.02	5,964.92	5,342.52	5,120.88	221.64	24.105	
18,000.00	8,068.00	8,247.12	7,959.19	197.22	42.72	-89.77	-9,362.02	5,964.92	5,372.16	5,149.51	222.65	24.128	
18,100.00	8,068.00	8,247.17	7,959.24	198.97	42.72	-89.77	-9,362.02	5,964.92	5,403.48	5,179.88	223.60	24.166	
18,184.63	8,068.00	8,247.22	7,959.29	200.45	42.72	-89.77	-9,362.02	5,964.92	5,431.29	5,206.93	224.35	24.209	
18,185.16	8,068.00	8,247.22	7,959.29	200.47	42.72	-89.77	-9,362.02	5,964.92	5,431.46	5,206.99	224.48	24.196	



# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,350.00	8,038.79	8,003.79	8,003.79	39.84	160.59	-49.47	-10,730.50	4,310.12	9,983.91	9,793.09	190.82	52.322		
8,400.00	8,052.46	8,017.46	8,017.46	40.38	160.86	-58.03	-10,730.50	4,310.12	9,938.81	9,747.70	191.11	52.005		
8,450.00	8,061.89	8,026.89	8,026.89	40.93	161.05	-68.65	-10,730.50	4,310.12	9,892.80	9,701.49	191.30	51.712		
8,500.00	8,067.01	8,032.01	8,032.01	41.49	161.16	-81.07	-10,730.50	4,310.12	9,846.22	9,654.82	191.40	51.444		
8,533.77	8,068.00	8,033.00	8,033.00	41.88	161.18	-90.00	-10,730.50	4,310.12	9,814.62	9,623.22	191.40	51.278		
8,600.00	8,068.00	8,033.00	8,033.00	42.64	161.18	-90.00	-10,730.50	4,310.12	9,752.66	9,561.29	191.37	50.962		
8,700.00	8,068.00	8,033.00	8,033.00	43.82	161.18	-90.00	-10,730.50	4,310.12	9,659.20	9,467.86	191.34	50.482		
8,800.00	8,068.00	8,033.00	8,033.00	45.04	161.18	-90.00	-10,730.50	4,310.12	9,565.88	9,374.56	191.32	49.998		
8,900.00	8,067.99	8,032.99	8,032.99	46.30	161.18	-90.00	-10,730.50	4,310.12	9,472.69	9,281.36	191.33	49.509		
9,000.00	8,067.99	8,032.99	8,032.99	47.59	161.18	-90.00	-10,730.50	4,310.12	9,379.65	9,188.29	191.36	49.016		
9,100.00	8,067.99	8,032.99	8,032.99	48.91	161.18	-90.00	-10,730.50	4,310.12	9,286.75	9,095.34	191.41	48.518		
9,200.00	8,067.99	8,032.99	8,032.99	50.26	161.18	-90.00	-10,730.50	4,310.12	9,194.00	9,002.52	191.48	48.015		
9,300.00	8,067.99	8,032.99	8,032.99	51.63	161.18	-90.00	-10,730.50	4,310.12	9,101.40	8,909.82	191.58	47.507		
9,400.00	8,067.99	8,032.99	8,032.99	53.03	161.18	-90.00	-10,730.50	4,310.12	9,008.96	8,817.26	191.70	46.995		
9,500.00	8,067.98	8,032.98	8,032.98	54.44	161.18	-90.00	-10,730.50	4,310.12	8,916.68	8,724.83	191.85	46.477		
9,600.00	8,067.98	8,032.98	8,032.98	55.88	161.18	-90.00	-10,730.50	4,310.12	8,824.57	8,632.54	192.03	45.954		
9,700.00	8,067.98	8,032.98	8,032.98	57.34	161.18	-90.00	-10,730.50	4,310.12	8,732.64	8,540.40	192.24	45.426		
9,800.00	8,067.98	8,032.98	8,032.98	58.81	161.18	-90.00	-10,730.50	4,310.12	8,640.88	8,448.40	192.48	44.893		
9,900.00	8,067.98	8,032.98	8,032.98	60.31	161.18	-90.00	-10,730.50	4,310.12	8,549.31	8,356.56	192.75	44.355		
10,000.00	8,067.98	8,032.98	8,032.98	61.81	161.18	-90.00	-10,730.50	4,310.12	8,457.93	8,264.88	193.05	43.813		
10,100.00	8,067.98	8,032.98	8,032.98	63.33	161.18	-90.00	-10,730.50	4,310.12	8,366.74	8,173.36	193.38	43.265		
10,200.00	8,067.97	8,032.97	8,032.97	64.86	161.18	-90.00	-10,730.50	4,310.12	8,275.76	8,082.01	193.76	42.712		
10,300.00	8,067.97	8,032.97	8,032.97	66.41	161.18	-90.00	-10,730.50	4,310.12	8,184.99	7,990.83	194.16	42.155		
10,400.00	8,067.97	8,032.97	8,032.97	67.96	161.18	-90.00	-10,730.50	4,310.12	8,094.44	7,899.84	194.61	41.594		
10,500.00	8,067.97	8,032.97	8,032.97	69.53	161.18	-90.00	-10,730.50	4,310.12	8,004.12	7,809.03	195.09	41.028		
10,600.00	8,067.97	8,032.97	8,032.97	71.10	161.18	-90.00	-10,730.50	4,310.12	7,914.02	7,718.41	195.61	40.458		
10,700.00	8,067.97	8,032.97	8,032.97	72.69	161.18	-90.00	-10,730.50	4,310.12	7,824.17	7,628.00	196.17	39.884		
10,800.00	8,067.97	8,032.97	8,032.97	74.28	161.18	-90.00	-10,730.50	4,310.12	7,734.56	7,537.79	196.77	39.307		
10,900.00	8,067.97	8,032.97	8,032.97	75.88	161.18	-90.00	-10,730.50	4,310.12	7,645.22	7,447.80	197.42	38.727		
11,000.00	8,067.97	8,032.97	8,032.97	77.49	161.18	-90.00	-10,730.50	4,310.12	7,556.14	7,358.04	198.10	38.143		
11,100.00	8,067.97	8,032.97	8,032.97	79.10	161.18	-90.00	-10,730.50	4,310.12	7,467.33	7,268.50	198.83	37.557		
11,200.00	8,067.96	8,032.96	8,032.96	80.73	161.18	-90.00	-10,730.50	4,310.12	7,378.82	7,179.22	199.60	36.968		
11,300.00	8,067.96	8,032.96	8,032.96	82.35	161.18	-90.00	-10,730.50	4,310.12	7,290.60	7,090.18	200.42	36.377		
11,400.00	8,067.96	8,032.96	8,032.96	83.99	161.17	-90.00	-10,730.50	4,310.12	7,202.68	7,001.41	201.28	35.785		
11,500.00	8,067.96	8,032.96	8,032.96	85.63	161.17	-90.00	-10,730.50	4,310.12	7,115.09	6,912.90	202.18	35.191		
11,600.00	8,067.96	8,032.96	8,032.96	87.27	161.17	-90.00	-10,730.50	4,310.12	7,027.83	6,824.69	203.14	34.596		
11,700.00	8,067.96	8,032.96	8,032.96	88.92	161.17	-90.00	-10,730.50	4,310.12	6,940.91	6,736.77	204.14	34.001		
11,800.00	8,067.96	8,032.96	8,032.96	90.58	161.17	-90.00	-10,730.50	4,310.12	6,854.35	6,649.16	205.19	33.405		
11,900.00	8,067.96	8,032.96	8,032.96	92.23	161.17	-90.00	-10,730.50	4,310.12	6,768.16	6,561.87	206.29	32.809		
12,000.00	8,067.96	8,032.96	8,032.96	93.90	161.17	-90.00	-10,730.50	4,310.12	6,682.35	6,474.91	207.43	32.214		
12,100.00	8,067.96	8,032.96	8,032.96	95.56	161.17	-90.00	-10,730.50	4,310.12	6,596.94	6,388.31	208.63	31.620		
12,200.00	8,067.96	8,032.96	8,032.96	97.23	161.17	-90.00	-10,730.50	4,310.12	6,511.95	6,302.07	209.88	31.027		
12,300.00	8,067.96	8,032.96	8,032.96	98.91	161.17	-90.00	-10,730.50	4,310.12	6,427.39	6,216.21	211.18	30.436		
12,400.00	8,067.96	8,032.96	8,032.96	100.59	161.17	-90.00	-10,730.50	4,310.12	6,343.28	6,130.75	212.53	29.846		
12,500.00	8,067.96	8,032.96	8,032.96	102.27	161.17	-90.00	-10,730.50	4,310.12	6,259.64	6,045.70	213.94	29.259		
12,600.00	8,067.96	8,032.96	8,032.96	103.95	161.17	-90.00	-10,730.50	4,310.12	6,176.48	5,961.08	215.40	28.674		
12,700.00	8,067.96	8,032.96	8,032.96	105.64	161.17	-90.00	-10,730.50	4,310.12	6,093.83	5,876.91	216.92	28.093		
12,800.00	8,067.96	8,032.96	8,032.96	107.33	161.17	-90.00	-10,730.50	4,310.12	6,011.71	5,793.22	218.49	27.515		
12,900.00	8,067.96	8,032.96	8,032.96	109.02	161.17	-90.00	-10,730.50	4,310.12	5,930.13	5,710.02	220.11	26.941		
13,000.00	8,067.96	8,032.96	8,032.96	110.71	161.17	-90.00	-10,730.50	4,310.12	5,849.13	5,627.33	221.80	26.371		
13,100.00	8,067.96	8,032.96	8,032.96	112.41	161.17	-90.00	-10,730.50	4,310.12	5,768.72	5,545.18	223.54	25.806		
13,200.00	8,067.96	8,032.96	8,032.96	114.11	161.17	-90.00	-10,730.50	4,310.12	5,688.94	5,463.59	225.35	25.245		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	8,067.96	8,032.96	8,032.96	115.81	161.17	-90.00	-10,730.50	4,310.12	5,609.80	5,382.59	227.21	24.690		
13,400.00	8,067.96	8,032.96	8,032.96	117.52	161.17	-90.00	-10,730.50	4,310.12	5,531.34	5,302.20	229.14	24.140		
13,500.00	8,067.96	8,032.96	8,032.96	119.22	161.17	-90.00	-10,730.50	4,310.12	5,453.58	5,222.46	231.12	23.596		
13,600.00	8,067.96	8,032.96	8,032.96	120.93	161.17	-90.00	-10,730.50	4,310.12	5,376.56	5,143.39	233.17	23.058		
13,700.00	8,067.96	8,032.96	8,032.96	122.64	161.17	-90.00	-10,730.50	4,310.12	5,300.31	5,065.02	235.29	22.527		
13,800.00	8,067.96	8,032.96	8,032.96	124.35	161.17	-90.00	-10,730.50	4,310.12	5,224.85	4,987.39	237.47	22.002		
13,900.00	8,067.96	8,032.96	8,032.96	126.06	161.17	-90.00	-10,730.50	4,310.12	5,150.24	4,910.53	239.71	21.485		
14,000.00	8,067.96	8,032.96	8,032.96	127.78	161.17	-90.00	-10,730.50	4,310.12	5,076.49	4,834.47	242.02	20.976		
14,100.00	8,067.96	8,032.96	8,032.96	129.50	161.17	-90.00	-10,730.50	4,310.12	5,003.66	4,759.27	244.40	20.474		
14,200.00	8,067.96	8,032.96	8,032.96	131.21	161.17	-90.00	-10,730.50	4,310.12	4,931.78	4,684.95	246.84	19.980		
14,300.00	8,067.96	8,032.96	8,032.96	132.93	161.17	-90.00	-10,730.50	4,310.12	4,860.90	4,611.55	249.35	19.495		
14,400.00	8,067.96	8,032.96	8,032.96	134.65	161.17	-90.00	-10,730.50	4,310.12	4,791.05	4,539.13	251.92	19.018		
14,500.00	8,067.96	8,032.96	8,032.96	136.38	161.17	-90.00	-10,730.50	4,310.12	4,722.29	4,467.72	254.56	18.550		
14,600.00	8,067.96	8,032.96	8,032.96	138.10	161.17	-90.00	-10,730.50	4,310.12	4,654.66	4,397.39	257.27	18.092		
14,700.00	8,067.96	8,032.96	8,032.96	139.82	161.17	-90.00	-10,730.50	4,310.12	4,588.21	4,328.16	260.05	17.644		
14,800.00	8,067.96	8,032.96	8,032.96	141.55	161.17	-90.00	-10,730.50	4,310.12	4,523.00	4,260.11	262.89	17.205		
14,900.00	8,067.96	8,032.96	8,032.96	143.28	161.17	-90.00	-10,730.50	4,310.12	4,459.08	4,193.29	265.79	16.777		
15,000.00	8,067.96	8,032.96	8,032.96	145.00	161.17	-90.00	-10,730.50	4,310.12	4,396.50	4,127.74	268.76	16.359		
15,100.00	8,067.96	8,032.96	8,032.96	146.73	161.17	-90.00	-10,730.50	4,310.12	4,335.32	4,063.54	271.78	15.952		
15,200.00	8,067.96	8,032.96	8,032.96	148.46	161.17	-90.00	-10,730.50	4,310.12	4,275.61	4,000.75	274.86	15.555		
15,300.00	8,067.96	8,032.96	8,032.96	150.19	161.17	-90.00	-10,730.50	4,310.12	4,217.43	3,939.43	278.00	15.171		
15,400.00	8,067.96	8,032.96	8,032.96	151.93	161.17	-90.00	-10,730.50	4,310.12	4,160.84	3,879.64	281.19	14.797		
15,500.00	8,067.96	8,032.96	8,032.96	153.66	161.18	-90.00	-10,730.50	4,310.12	4,105.90	3,821.47	284.43	14.436		
15,600.00	8,067.96	8,032.96	8,032.96	155.39	161.18	-90.00	-10,730.50	4,310.12	4,052.68	3,764.97	287.71	14.086		
15,700.00	8,067.97	8,032.97	8,032.97	157.13	161.18	-90.00	-10,730.50	4,310.12	4,001.26	3,710.23	291.03	13.749		
15,800.00	8,067.97	8,032.97	8,032.97	158.86	161.18	-90.00	-10,730.50	4,310.12	3,951.69	3,657.31	294.38	13.424		
15,900.00	8,067.97	8,032.97	8,032.97	160.60	161.18	-90.00	-10,730.50	4,310.12	3,904.06	3,606.31	297.76	13.112		
16,000.00	8,067.97	8,032.97	8,032.97	162.34	161.18	-90.00	-10,730.50	4,310.12	3,858.44	3,557.29	301.15	12.812		
16,100.00	8,067.97	8,032.97	8,032.97	164.08	161.18	-90.00	-10,730.50	4,310.12	3,814.89	3,510.33	304.56	12.526		
16,200.00	8,067.97	8,032.97	8,032.97	165.81	161.18	-90.00	-10,730.50	4,310.12	3,773.49	3,465.51	307.97	12.253		
16,300.00	8,067.97	8,032.97	8,032.97	167.55	161.18	-90.00	-10,730.50	4,310.12	3,734.31	3,422.93	311.38	11.993		
16,400.00	8,067.97	8,032.97	8,032.97	169.29	161.18	-90.00	-10,730.50	4,310.12	3,697.41	3,382.64	314.77	11.746		
16,500.00	8,067.97	8,032.97	8,032.97	171.04	161.18	-90.00	-10,730.50	4,310.12	3,662.88	3,344.75	318.14	11.514		
16,600.00	8,067.98	8,032.98	8,032.98	172.78	161.18	-90.00	-10,730.50	4,310.12	3,630.78	3,309.31	321.47	11.294		
16,700.00	8,067.98	8,032.98	8,032.98	174.52	161.18	-90.00	-10,730.50	4,310.12	3,601.16	3,276.41	324.75	11.089		
16,800.00	8,067.98	8,032.98	8,032.98	176.26	161.18	-90.00	-10,730.50	4,310.12	3,574.10	3,246.12	327.98	10.897		
16,900.00	8,067.98	8,032.98	8,032.98	178.01	161.18	-90.00	-10,730.50	4,310.12	3,549.65	3,218.51	331.13	10.720		
17,000.00	8,067.98	8,032.98	8,032.98	179.75	161.18	-90.00	-10,730.50	4,310.12	3,527.87	3,193.65	334.21	10.556		
17,100.00	8,067.98	8,032.98	8,032.98	181.49	161.18	-90.00	-10,730.50	4,310.12	3,508.80	3,171.60	337.20	10.406		
17,200.00	8,067.98	8,032.98	8,032.98	183.24	161.18	-90.00	-10,730.50	4,310.12	3,492.49	3,152.41	340.08	10.270		
17,300.00	8,067.99	8,032.99	8,032.99	184.99	161.18	-90.00	-10,730.50	4,310.12	3,478.98	3,136.13	342.85	10.147		
17,400.00	8,067.99	8,032.99	8,032.99	186.73	161.18	-90.00	-10,730.50	4,310.12	3,468.30	3,122.80	345.50	10.038		
17,500.00	8,067.99	8,032.99	8,032.99	188.48	161.18	-90.00	-10,730.50	4,310.12	3,460.49	3,112.46	348.02	9.943		
17,600.00	8,067.99	8,032.99	8,032.99	190.23	161.18	-90.00	-10,730.50	4,310.12	3,455.54	3,105.14	350.40	9.862		
17,700.00	8,067.99	8,032.99	8,032.99	191.97	161.18	-90.00	-10,730.50	4,310.12	3,453.49	3,100.86	352.63	9.794		
17,720.89	8,067.99	8,032.99	8,032.99	192.34	161.18	-90.00	-10,730.50	4,310.12	3,453.43	3,100.35	353.08	9.781 CC		
17,800.00	8,067.99	8,032.99	8,032.99	193.72	161.18	-90.00	-10,730.50	4,310.12	3,454.33	3,099.63	354.71	9.739 ES		
17,900.00	8,068.00	8,033.00	8,033.00	195.47	161.18	-90.00	-10,730.50	4,310.12	3,458.07	3,101.45	356.62	9.697		
18,000.00	8,068.00	8,033.00	8,033.00	197.22	161.18	-90.00	-10,730.50	4,310.12	3,464.69	3,106.31	358.38	9.668		
18,100.00	8,068.00	8,033.00	8,033.00	198.97	161.18	-90.00	-10,730.50	4,310.12	3,474.17	3,114.21	359.97	9.651		
18,184.63	8,068.00	8,033.00	8,033.00	200.45	161.18	-90.00	-10,730.50	4,310.12	3,484.42	3,123.24	361.18	9.647		
18,185.16	8,068.00	8,033.00	8,033.00	200.47	161.18	-90.00	-10,730.50	4,310.12	3,484.49	3,123.28	361.21	9.647 SF		

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

## Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
0.00	0.00	9.00	9.00	0.00	0.11	-174.20	-7,377.36	-748.81	7,415.27					
100.00	100.00	109.00	109.00	0.13	1.40	-174.20	-7,377.36	-748.81	7,415.27	7,413.73	1.54	4,819.120		
200.00	200.00	209.00	209.00	0.49	3.67	-174.20	-7,377.36	-748.81	7,415.27	7,411.10	4.17	1,779.171		
300.00	300.00	309.00	309.00	0.85	5.75	-174.20	-7,377.36	-748.81	7,415.27	7,408.66	6.60	1,123.293		
400.00	400.00	409.00	409.00	1.21	7.79	-174.20	-7,377.36	-748.81	7,415.27	7,406.26	9.00	823.842		
500.00	500.00	509.00	509.00	1.57	9.82	-174.20	-7,377.36	-748.81	7,415.27	7,403.88	11.39	651.159		
600.00	600.00	609.00	609.00	1.93	11.84	-174.20	-7,377.36	-748.81	7,415.27	7,401.50	13.77	538.558		
700.00	700.00	709.00	709.00	2.29	13.86	-174.20	-7,377.36	-748.81	7,415.27	7,399.12	16.15	459.255		
800.00	800.00	809.00	809.00	2.64	15.88	-174.20	-7,377.36	-748.81	7,415.27	7,396.74	18.52	400.354		
900.00	900.00	909.00	909.00	3.00	17.89	-174.20	-7,377.36	-748.81	7,415.27	7,394.37	20.90	354.867		
1,000.00	1,000.00	1,009.00	1,009.00	3.36	19.91	-174.20	-7,377.36	-748.81	7,415.27	7,392.00	23.27	318.675		
1,100.00	1,100.00	1,109.00	1,109.00	3.72	21.92	-174.20	-7,377.36	-748.81	7,415.27	7,389.62	25.64	289.190		
1,200.00	1,200.00	1,209.00	1,209.00	4.08	23.94	-174.20	-7,377.36	-748.81	7,415.27	7,387.25	28.01	264.703		
1,300.00	1,299.98	1,308.98	1,308.98	4.42	25.95	44.67	-7,377.36	-748.81	7,414.02	7,383.66	30.37	244.130		
1,400.00	1,399.84	1,408.84	1,408.84	4.75	27.96	44.76	-7,377.36	-748.81	7,410.30	7,377.59	32.71	226.536		
1,500.00	1,499.45	1,508.45	1,508.45	5.09	29.96	44.89	-7,377.36	-748.81	7,404.11	7,369.05	35.05	211.217		
1,600.00	1,598.70	1,607.70	1,607.70	5.44	31.96	45.08	-7,377.36	-748.81	7,395.46	7,358.06	37.40	197.754		
1,700.00	1,697.47	1,706.47	1,706.47	5.81	33.95	45.32	-7,377.36	-748.81	7,384.37	7,344.63	39.74	185.821		
1,800.00	1,795.62	1,804.62	1,804.62	6.19	35.92	45.62	-7,377.36	-748.81	7,370.86	7,328.78	42.08	175.163		
1,846.33	1,840.86	1,849.86	1,849.86	6.38	36.83	45.78	-7,377.36	-748.81	7,363.79	7,320.63	43.16	170.596		
1,900.00	1,893.17	1,902.17	1,902.17	6.60	37.89	45.85	-7,377.36	-748.81	7,355.31	7,310.89	44.42	165.581		
2,000.00	1,990.64	2,000.36	1,999.64	7.02	39.86	45.97	-7,377.36	-748.81	7,339.54	7,292.76	46.78	156.883		
2,100.00	2,088.10	2,102.90	2,097.10	7.46	41.92	46.09	-7,377.36	-748.81	7,323.81	7,274.56	49.24	148.731		
2,200.00	2,185.57	2,205.43	2,194.57	7.91	43.99	46.22	-7,377.36	-748.81	7,308.10	7,256.40	51.71	141.334		
2,300.00	2,283.03	2,307.97	2,292.03	8.37	46.05	46.34	-7,377.36	-748.81	7,292.44	7,238.26	54.18	134.595		
2,400.00	2,380.50	2,389.50	2,389.50	8.84	47.69	46.47	-7,377.36	-748.81	7,276.81	7,220.57	56.24	129.396		
2,500.00	2,477.97	2,486.97	2,486.97	9.32	49.65	46.60	-7,377.36	-748.81	7,261.21	7,202.59	58.62	123.873		
2,600.00	2,575.43	2,584.43	2,584.43	9.80	51.61	46.72	-7,377.36	-748.81	7,245.65	7,184.64	61.00	118.774		
2,700.00	2,672.90	2,681.90	2,681.90	10.28	53.57	46.85	-7,377.36	-748.81	7,230.12	7,166.73	63.39	114.051		
2,800.00	2,770.36	2,779.36	2,779.36	10.77	55.53	46.98	-7,377.36	-748.81	7,214.63	7,148.85	65.79	109.666		
2,900.00	2,867.83	2,876.83	2,876.83	11.26	57.49	47.11	-7,377.36	-748.81	7,199.18	7,131.00	68.18	105.585		
3,000.00	2,965.29	2,974.29	2,974.29	11.76	59.45	47.24	-7,377.36	-748.81	7,183.76	7,113.18	70.58	101.777		
3,100.00	3,062.76	3,071.76	3,071.76	12.26	61.41	47.36	-7,377.36	-748.81	7,168.38	7,095.40	72.99	98.217		
3,200.00	3,160.23	3,169.23	3,169.23	12.76	63.37	47.49	-7,377.36	-748.81	7,153.04	7,077.65	75.39	94.880		
3,300.00	3,257.69	3,266.69	3,266.69	13.27	65.33	47.63	-7,377.36	-748.81	7,137.73	7,059.94	77.80	91.748		
3,400.00	3,355.16	3,364.16	3,364.16	13.77	67.29	47.76	-7,377.36	-748.81	7,122.47	7,042.26	80.21	88.802		
3,500.00	3,452.62	3,461.62	3,461.62	14.28	69.25	47.89	-7,377.36	-748.81	7,107.23	7,024.62	82.62	86.026		
3,600.00	3,550.09	3,559.09	3,559.09	14.79	71.21	48.02	-7,377.36	-748.81	7,092.04	7,007.01	85.03	83.406		
3,700.00	3,647.55	3,656.55	3,656.55	15.30	73.17	48.15	-7,377.36	-748.81	7,076.89	6,989.44	87.45	80.929		
3,800.00	3,745.02	3,754.02	3,754.02	15.81	75.13	48.29	-7,377.36	-748.81	7,061.77	6,971.91	89.86	78.585		
3,900.00	3,842.49	3,851.49	3,851.49	16.32	77.09	48.42	-7,377.36	-748.81	7,046.69	6,954.41	92.28	76.362		
4,000.00	3,939.95	3,948.95	3,948.95	16.84	79.05	48.55	-7,377.36	-748.81	7,031.65	6,936.95	94.70	74.253		
4,100.00	4,037.42	4,046.42	4,046.42	17.35	81.01	48.69	-7,377.36	-748.81	7,016.65	6,919.53	97.12	72.247		
4,200.00	4,134.88	4,143.88	4,143.88	17.87	82.97	48.82	-7,377.36	-748.81	7,001.69	6,902.15	99.54	70.339		
4,300.00	4,232.35	4,241.35	4,241.35	18.39	84.93	48.96	-7,377.36	-748.81	6,986.77	6,884.80	101.97	68.521		
4,400.00	4,329.81	4,338.81	4,338.81	18.90	86.89	49.10	-7,377.36	-748.81	6,971.89	6,867.50	104.39	66.786		
4,500.00	4,427.28	4,436.28	4,436.28	19.42	88.85	49.23	-7,377.36	-748.81	6,957.05	6,850.23	106.82	65.130		
4,600.00	4,524.75	4,533.75	4,533.75	19.94	90.81	49.37	-7,377.36	-748.81	6,942.25	6,833.00	109.24	63.548		
4,700.00	4,622.21	4,631.21	4,631.21	20.46	92.77	49.51	-7,377.36	-748.81	6,927.49	6,815.81	111.67	62.034		
4,800.00	4,719.68	4,728.68	4,728.68	20.98	94.74	49.65	-7,377.36	-748.81	6,912.77	6,798.66	114.10	60.584		
4,900.00	4,817.14	4,826.14	4,826.14	21.50	96.70	49.79	-7,377.36	-748.81	6,898.09	6,781.55	116.53	59.194		
5,000.00	4,914.61	4,923.61	4,923.61	22.02	98.66	49.93	-7,377.36	-748.81	6,883.45	6,764.48	118.97	57.861		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
5,100.00	5,012.07	5,021.07	5,021.07	22.54	100.62	50.07	-7,377.36	-748.81	6,868.86	6,747.46	121.40	56.581		
5,200.00	5,109.54	5,118.54	5,118.54	23.06	102.58	50.21	-7,377.36	-748.81	6,854.30	6,730.47	123.83	55.351		
5,300.00	5,207.01	5,216.01	5,216.01	23.59	104.54	50.35	-7,377.36	-748.81	6,839.79	6,713.52	126.27	54.169		
5,400.00	5,304.47	5,313.47	5,313.47	24.11	106.50	50.50	-7,377.36	-748.81	6,825.32	6,696.62	128.70	53.031		
5,500.00	5,401.94	5,410.94	5,410.94	24.63	108.46	50.64	-7,377.36	-748.81	6,810.90	6,679.75	131.14	51.935		
5,600.00	5,499.40	5,508.40	5,508.40	25.16	110.42	50.78	-7,377.36	-748.81	6,796.51	6,662.93	133.58	50.880		
5,700.00	5,596.87	5,605.87	5,605.87	25.68	112.38	50.93	-7,377.36	-748.81	6,782.17	6,646.15	136.02	49.862		
5,800.00	5,694.33	5,625.00	5,625.00	26.20	112.76	50.96	-7,377.36	-748.81	6,768.33	6,631.44	136.89	49.443		
5,900.00	5,791.80	5,625.00	5,625.00	26.73	112.76	50.96	-7,377.36	-748.81	6,755.91	6,618.55	137.36	49.184		
6,000.00	5,889.27	5,625.00	5,625.00	27.25	112.76	50.96	-7,377.36	-748.81	6,744.95	6,607.15	137.80	48.946		
6,100.00	5,986.73	5,625.00	5,625.00	27.78	112.76	50.96	-7,377.36	-748.81	6,735.46	6,597.24	138.22	48.730		
6,200.00	6,084.20	5,625.00	5,625.00	28.30	112.76	50.96	-7,377.36	-748.81	6,727.45	6,588.84	138.61	48.536		
6,300.00	6,181.66	5,625.00	5,625.00	28.82	112.76	50.96	-7,377.36	-748.81	6,720.91	6,581.94	138.97	48.363		
6,400.00	6,279.13	5,625.00	5,625.00	29.35	112.76	50.96	-7,377.36	-748.81	6,715.85	6,576.55	139.30	48.212		
6,500.00	6,376.59	5,625.00	5,625.00	29.88	112.76	50.96	-7,377.36	-748.81	6,712.28	6,572.68	139.60	48.082		
6,600.00	6,474.06	5,625.00	5,625.00	30.40	112.76	50.96	-7,377.36	-748.81	6,710.20	6,570.32	139.88	47.973		
6,689.72	6,561.50	5,625.00	5,625.00	30.87	112.76	50.96	-7,377.36	-748.81	6,709.60	6,569.50	140.10	47.893		
6,700.00	6,571.53	5,625.00	5,625.00	30.93	112.76	50.96	-7,377.36	-748.81	6,709.61	6,569.49	140.12	47.885		
6,800.00	6,668.99	5,625.00	5,625.00	31.45	112.76	50.96	-7,377.36	-748.81	6,710.50	6,570.17	140.33	47.818		
6,887.36	6,754.14	5,625.00	5,625.00	31.91	112.76	50.96	-7,377.36	-748.81	6,712.51	6,572.01	140.50	47.776		
6,900.00	6,766.46	5,625.00	5,625.00	31.98	112.76	50.96	-7,377.36	-748.81	6,712.91	6,572.39	140.52	47.772		
7,000.00	6,864.39	5,625.00	5,625.00	32.48	112.76	51.04	-7,377.36	-748.81	6,718.16	6,577.50	140.66	47.763		
7,100.00	6,962.96	5,625.00	5,625.00	32.94	112.76	51.18	-7,377.36	-748.81	6,727.08	6,586.35	140.73	47.801		
7,200.00	7,062.06	5,625.00	5,625.00	33.36	112.76	51.38	-7,377.36	-748.81	6,739.65	6,598.90	140.75	47.885		
7,300.00	7,161.57	5,625.00	5,625.00	33.74	112.76	51.64	-7,377.36	-748.81	6,755.82	6,615.12	140.70	48.016		
7,400.00	7,261.36	5,625.00	5,625.00	34.08	112.76	51.95	-7,377.36	-748.81	6,775.55	6,634.96	140.60	48.192		
7,500.00	7,361.31	5,625.00	5,625.00	34.39	112.76	52.33	-7,377.36	-748.81	6,798.80	6,658.36	140.44	48.412		
7,533.69	7,395.00	5,625.00	5,625.00	34.48	112.76	-166.38	-7,377.36	-748.81	6,807.41	6,667.04	140.37	48.497		
7,600.00	7,461.31	5,625.00	5,625.00	34.65	112.76	-166.38	-7,377.36	-748.81	6,825.04	6,684.82	140.22	48.674		
7,633.69	7,495.00	5,625.00	5,625.00	34.73	112.76	-166.38	-7,377.36	-748.81	6,834.22	6,694.08	140.14	48.768		
7,650.00	7,511.31	5,625.00	5,625.00	34.78	112.76	13.85	-7,377.36	-748.81	6,838.51	6,698.41	140.10	48.812		
7,700.00	7,561.16	5,625.00	5,625.00	34.94	112.76	13.59	-7,377.36	-748.81	6,849.14	6,709.16	139.99	48.927		
7,750.00	7,610.51	5,625.00	5,625.00	35.14	112.76	13.43	-7,377.36	-748.81	6,855.96	6,716.08	139.88	49.013		
7,800.00	7,658.98	5,625.00	5,625.00	35.37	112.76	13.37	-7,377.36	-748.81	6,858.91	6,719.13	139.78	49.070		
7,850.00	7,706.21	5,625.00	5,625.00	35.64	112.76	13.39	-7,377.36	-748.81	6,857.99	6,718.30	139.69	49.096		
7,900.00	7,751.82	5,625.00	5,625.00	35.93	112.76	13.50	-7,377.36	-748.81	6,853.19	6,713.60	139.60	49.093		
7,950.00	7,795.49	5,625.00	5,625.00	36.26	112.76	13.71	-7,377.36	-748.81	6,844.55	6,705.04	139.51	49.060		
8,000.00	7,836.86	5,625.00	5,625.00	36.62	112.76	14.01	-7,377.36	-748.81	6,832.12	6,692.68	139.44	48.998		
8,050.00	7,875.64	5,625.00	5,625.00	37.00	112.76	14.43	-7,377.36	-748.81	6,815.97	6,676.61	139.36	48.907		
8,100.00	7,911.52	5,625.00	5,625.00	37.42	112.76	14.98	-7,377.36	-748.81	6,796.20	6,656.90	139.30	48.789		
8,150.00	7,944.22	5,625.00	5,625.00	37.86	112.76	15.67	-7,377.36	-748.81	6,772.93	6,633.69	139.24	48.643		
8,200.00	7,973.51	5,625.00	5,625.00	38.32	112.76	16.55	-7,377.36	-748.81	6,746.29	6,607.11	139.18	48.470		
8,250.00	7,999.16	5,625.00	5,625.00	38.81	112.76	17.64	-7,377.36	-748.81	6,716.46	6,577.32	139.14	48.272		
8,300.00	8,020.98	5,625.00	5,625.00	39.31	112.76	19.01	-7,377.36	-748.81	6,683.62	6,544.52	139.10	48.048		
8,350.00	8,038.79	5,625.00	5,625.00	39.84	112.76	20.74	-7,377.36	-748.81	6,647.98	6,508.90	139.07	47.801		
8,400.00	8,052.46	5,625.00	5,625.00	40.38	112.76	22.95	-7,377.36	-748.81	6,609.76	6,470.70	139.06	47.532		
8,450.00	8,061.89	5,625.00	5,625.00	40.93	112.76	25.81	-7,377.36	-748.81	6,569.22	6,430.16	139.06	47.242		
8,500.00	8,067.01	5,625.00	5,625.00	41.49	112.76	29.60	-7,377.36	-748.81	6,526.61	6,387.55	139.07	46.931		
8,533.77	8,068.00	5,625.00	5,625.00	41.88	112.76	32.88	-7,377.36	-748.81	6,496.82	6,357.73	139.09	46.711		
8,600.00	8,068.00	5,625.00	5,625.00	42.64	112.76	32.88	-7,377.36	-748.81	6,437.72	6,298.60	139.12	46.274		
8,700.00	8,068.00	5,625.00	5,625.00	43.82	112.76	32.88	-7,377.36	-748.81	6,348.76	6,209.58	139.18	45.615		
8,800.00	8,068.00	5,625.00	5,625.00	45.04	112.76	32.88	-7,377.36	-748.81	6,260.13	6,120.89	139.24	44.959		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:		0.00 usft
Survey Program: 0-INC													Offset Well Error:		0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
8,900.00	8,067.99	5,625.00	5,625.00	46.30	112.76	32.88	-7,377.36	-748.81	6,171.85	6,032.54	139.31	44.304			
9,000.00	8,067.99	5,625.00	5,625.00	47.59	112.76	32.88	-7,377.36	-748.81	6,083.93	5,944.55	139.38	43.650			
9,100.00	8,067.99	5,625.00	5,625.00	48.91	112.76	32.88	-7,377.36	-748.81	5,996.39	5,856.94	139.45	42.999			
9,200.00	8,067.99	5,625.00	5,625.00	50.26	112.76	32.88	-7,377.36	-748.81	5,909.25	5,769.72	139.53	42.351			
9,300.00	8,067.99	5,625.00	5,625.00	51.63	112.76	32.88	-7,377.36	-748.81	5,822.52	5,682.90	139.61	41.704			
9,400.00	8,067.99	5,625.00	5,625.00	53.03	112.76	32.88	-7,377.36	-748.81	5,736.22	5,596.52	139.70	41.061			
9,500.00	8,067.98	5,625.00	5,625.00	54.44	112.76	32.88	-7,377.36	-748.81	5,650.37	5,510.58	139.79	40.420			
9,600.00	8,067.98	5,625.00	5,625.00	55.88	112.76	32.88	-7,377.36	-748.81	5,564.99	5,425.11	139.89	39.782			
9,700.00	8,067.98	5,625.00	5,625.00	57.34	112.76	32.88	-7,377.36	-748.81	5,480.11	5,340.13	139.98	39.148			
9,800.00	8,067.98	5,625.00	5,625.00	58.81	112.76	32.88	-7,377.36	-748.81	5,395.75	5,255.66	140.09	38.517			
9,900.00	8,067.98	5,625.00	5,625.00	60.31	112.76	32.88	-7,377.36	-748.81	5,311.93	5,171.74	140.19	37.890			
10,000.00	8,067.98	5,625.00	5,625.00	61.81	112.76	32.88	-7,377.36	-748.81	5,228.68	5,088.38	140.30	37.267			
10,100.00	8,067.98	5,625.00	5,625.00	63.33	112.76	32.88	-7,377.36	-748.81	5,146.03	5,005.61	140.41	36.649			
10,200.00	8,067.97	5,625.00	5,625.00	64.86	112.76	32.88	-7,377.36	-748.81	5,064.00	4,923.47	140.53	36.035			
10,300.00	8,067.97	5,625.00	5,625.00	66.41	112.76	32.88	-7,377.36	-748.81	4,982.63	4,841.98	140.65	35.427			
10,400.00	8,067.97	5,625.00	5,625.00	67.96	112.76	32.88	-7,377.36	-748.81	4,901.95	4,761.18	140.77	34.823			
10,500.00	8,067.97	5,625.00	5,625.00	69.53	112.76	32.88	-7,377.36	-748.81	4,821.99	4,681.10	140.89	34.226			
10,600.00	8,067.97	5,625.00	5,625.00	71.10	112.76	32.88	-7,377.36	-748.81	4,742.79	4,601.78	141.01	33.634			
10,700.00	8,067.97	5,625.00	5,625.00	72.69	112.76	32.88	-7,377.36	-748.81	4,664.39	4,523.26	141.13	33.050			
10,800.00	8,067.97	5,625.00	5,625.00	74.28	112.76	32.88	-7,377.36	-748.81	4,586.84	4,445.58	141.26	32.472			
10,900.00	8,067.97	5,625.00	5,625.00	75.88	112.76	32.88	-7,377.36	-748.81	4,510.16	4,368.78	141.38	31.901			
11,000.00	8,067.97	5,625.00	5,625.00	77.49	112.76	32.88	-7,377.36	-748.81	4,434.42	4,292.92	141.50	31.339			
11,100.00	8,067.97	5,625.00	5,625.00	79.10	112.76	32.88	-7,377.36	-748.81	4,359.65	4,218.03	141.62	30.784			
11,200.00	8,067.96	5,625.00	5,625.00	80.73	112.76	32.88	-7,377.36	-748.81	4,285.91	4,144.18	141.73	30.239			
11,300.00	8,067.96	5,625.00	5,625.00	82.35	112.76	32.88	-7,377.36	-748.81	4,213.26	4,071.41	141.85	29.703			
11,400.00	8,067.96	5,625.00	5,625.00	83.99	112.76	32.88	-7,377.36	-748.81	4,141.74	3,999.79	141.95	29.177			
11,500.00	8,067.96	5,625.00	5,625.00	85.63	112.76	32.88	-7,377.36	-748.81	4,071.43	3,929.38	142.05	28.661			
11,600.00	8,067.96	5,625.00	5,625.00	87.27	112.76	32.88	-7,377.36	-748.81	4,002.38	3,860.23	142.15	28.157			
11,700.00	8,067.96	5,625.00	5,625.00	88.92	112.76	32.88	-7,377.36	-748.81	3,934.66	3,792.43	142.23	27.664			
11,800.00	8,067.96	5,625.00	5,625.00	90.58	112.76	32.88	-7,377.36	-748.81	3,868.34	3,726.03	142.31	27.183			
11,900.00	8,067.96	5,625.00	5,625.00	92.23	112.76	32.88	-7,377.36	-748.81	3,803.49	3,661.12	142.37	26.715			
12,000.00	8,067.96	5,625.00	5,625.00	93.90	112.76	32.88	-7,377.36	-748.81	3,740.19	3,597.77	142.43	26.261			
12,100.00	8,067.96	5,625.00	5,625.00	95.56	112.76	32.88	-7,377.36	-748.81	3,678.52	3,536.06	142.47	25.820			
12,200.00	8,067.96	5,625.00	5,625.00	97.23	112.76	32.88	-7,377.36	-748.81	3,618.57	3,476.07	142.49	25.394			
12,300.00	8,067.96	5,625.00	5,625.00	98.91	112.76	32.88	-7,377.36	-748.81	3,560.41	3,417.91	142.51	24.984			
12,400.00	8,067.96	5,625.00	5,625.00	100.59	112.76	32.88	-7,377.36	-748.81	3,504.15	3,361.64	142.51	24.589			
12,500.00	8,067.96	5,625.00	5,625.00	102.27	112.76	32.88	-7,377.36	-748.81	3,449.86	3,307.37	142.49	24.211			
12,600.00	8,067.96	5,625.00	5,625.00	103.95	112.76	32.88	-7,377.36	-748.81	3,397.65	3,255.19	142.46	23.849			
12,700.00	8,067.96	5,625.00	5,625.00	105.64	112.76	32.88	-7,377.36	-748.81	3,347.62	3,205.20	142.42	23.505			
12,800.00	8,067.96	5,625.00	5,625.00	107.33	112.76	32.88	-7,377.36	-748.81	3,299.86	3,157.49	142.37	23.178			
12,900.00	8,067.96	5,625.00	5,625.00	109.02	112.76	32.88	-7,377.36	-748.81	3,254.47	3,112.16	142.31	22.869			
13,000.00	8,067.96	5,625.00	5,625.00	110.71	112.76	32.88	-7,377.36	-748.81	3,211.55	3,069.31	142.24	22.578			
13,100.00	8,067.96	5,625.00	5,625.00	112.41	112.76	32.88	-7,377.36	-748.81	3,171.21	3,029.04	142.17	22.305			
13,200.00	8,067.96	5,625.00	5,625.00	114.11	112.76	32.88	-7,377.36	-748.81	3,133.54	2,991.43	142.11	22.050			
13,300.00	8,067.96	5,625.00	5,625.00	115.81	112.76	32.88	-7,377.36	-748.81	3,098.64	2,956.59	142.05	21.813			
13,400.00	8,067.96	5,625.00	5,625.00	117.52	112.76	32.88	-7,377.36	-748.81	3,066.61	2,924.59	142.02	21.593			
13,500.00	8,067.96	5,625.00	5,625.00	119.22	112.76	32.88	-7,377.36	-748.81	3,037.53	2,895.52	142.01	21.390			
13,600.00	8,067.96	5,625.00	5,625.00	120.93	112.76	32.88	-7,377.36	-748.81	3,011.50	2,869.46	142.03	21.203			
13,700.00	8,067.96	5,625.00	5,625.00	122.64	112.76	32.88	-7,377.36	-748.81	2,988.58	2,846.48	142.11	21.031			
13,800.00	8,067.96	5,625.00	5,625.00	124.35	112.76	32.88	-7,377.36	-748.81	2,968.86	2,826.63	142.23	20.873			
13,900.00	8,067.96	5,625.00	5,625.00	126.06	112.76	32.88	-7,377.36	-748.81	2,952.40	2,809.97	142.42	20.730			
14,000.00	8,067.96	5,625.00	5,625.00	127.78	112.76	32.88	-7,377.36	-748.81	2,939.24	2,796.56	142.69	20.599			

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Sec 4-T1N-R68W - ABND VERT ASHER 1 - Wellbore #1 - Design #1		Offset Site Error: 0.00 usft	
Survey Program: 0-INC														Offset Well Error: 0.00 usft		
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
14,100.00	8,067.96	5,625.00	5,625.00	129.50	112.76	32.88	-7,377.36	-748.81	2,929.45	2,786.42	143.03	20.481				
14,200.00	8,067.96	5,625.00	5,625.00	131.21	112.76	32.88	-7,377.36	-748.81	2,923.04	2,779.58	143.46	20.375				
14,300.00	8,067.96	5,625.00	5,625.00	132.93	112.76	32.88	-7,377.36	-748.81	2,920.05	2,776.07	143.98	20.281				
14,337.44	8,067.96	5,625.00	5,625.00	133.58	112.76	32.88	-7,377.36	-748.81	2,919.81	2,775.61	144.20	20.249	CC, ES			
14,400.00	8,067.96	5,625.00	5,625.00	134.65	112.76	32.88	-7,377.36	-748.81	2,920.48	2,775.89	144.59	20.199				
14,500.00	8,067.96	5,625.00	5,625.00	136.38	112.76	32.88	-7,377.36	-748.81	2,924.33	2,779.05	145.28	20.128				
14,600.00	8,067.96	5,625.00	5,625.00	138.10	112.76	32.88	-7,377.36	-748.81	2,931.59	2,785.53	146.06	20.071				
14,700.00	8,067.96	5,625.00	5,625.00	139.82	112.76	32.88	-7,377.36	-748.81	2,942.23	2,795.32	146.91	20.027				
14,800.00	8,067.96	5,625.00	5,625.00	141.55	112.76	32.88	-7,377.36	-748.81	2,956.22	2,808.40	147.82	19.998				
14,900.00	8,067.96	5,625.00	5,625.00	143.28	112.76	32.88	-7,377.36	-748.81	2,973.51	2,824.72	148.79	19.985	SF			
15,000.00	8,067.96	5,625.00	5,625.00	145.00	112.76	32.88	-7,377.36	-748.81	2,994.04	2,844.25	149.79	19.988				
15,100.00	8,067.96	5,625.00	5,625.00	146.73	112.76	32.88	-7,377.36	-748.81	3,017.75	2,866.92	150.82	20.009				
15,200.00	8,067.96	5,625.00	5,625.00	148.46	112.76	32.88	-7,377.36	-748.81	3,044.55	2,892.69	151.87	20.048				
15,300.00	8,067.96	5,625.00	5,625.00	150.19	112.76	32.88	-7,377.36	-748.81	3,074.38	2,921.47	152.91	20.106				
15,400.00	8,067.96	5,625.00	5,625.00	151.93	112.76	32.88	-7,377.36	-748.81	3,107.14	2,953.20	153.95	20.183				
15,500.00	8,067.96	5,625.00	5,625.00	153.66	112.76	32.88	-7,377.36	-748.81	3,142.75	2,987.79	154.96	20.281				
15,600.00	8,067.96	5,625.00	5,625.00	155.39	112.76	32.88	-7,377.36	-748.81	3,181.10	3,025.15	155.95	20.398				
15,700.00	8,067.97	5,625.00	5,625.00	157.13	112.76	32.88	-7,377.36	-748.81	3,222.10	3,065.19	156.90	20.535				
15,800.00	8,067.97	5,625.00	5,625.00	158.86	112.76	32.88	-7,377.36	-748.81	3,265.64	3,107.82	157.82	20.693				
15,900.00	8,067.97	5,625.00	5,625.00	160.60	112.76	32.88	-7,377.36	-748.81	3,311.64	3,152.95	158.69	20.869				
16,000.00	8,067.97	5,625.00	5,625.00	162.34	112.76	32.88	-7,377.36	-748.81	3,359.98	3,200.47	159.51	21.065				
16,100.00	8,067.97	5,625.00	5,625.00	164.08	112.76	32.88	-7,377.36	-748.81	3,410.57	3,250.29	160.28	21.279				
16,200.00	8,067.97	5,625.00	5,625.00	165.81	112.76	32.88	-7,377.36	-748.81	3,463.31	3,302.30	161.00	21.511				
16,300.00	8,067.97	5,625.00	5,625.00	167.55	112.76	32.88	-7,377.36	-748.81	3,518.10	3,356.42	161.68	21.760				
16,400.00	8,067.97	5,625.00	5,625.00	169.29	112.76	32.88	-7,377.36	-748.81	3,574.85	3,412.55	162.30	22.027				
16,500.00	8,067.97	5,625.00	5,625.00	171.04	112.76	32.88	-7,377.36	-748.81	3,633.46	3,470.59	162.87	22.309				
16,600.00	8,067.98	5,625.00	5,625.00	172.78	112.76	32.88	-7,377.36	-748.81	3,693.86	3,530.46	163.40	22.607				
16,700.00	8,067.98	5,625.00	5,625.00	174.52	112.76	32.88	-7,377.36	-748.81	3,755.94	3,592.06	163.88	22.919				
16,800.00	8,067.98	5,625.00	5,625.00	176.26	112.76	32.88	-7,377.36	-748.81	3,819.64	3,655.32	164.32	23.246				
16,900.00	8,067.98	5,625.00	5,625.00	178.01	112.76	32.88	-7,377.36	-748.81	3,884.86	3,720.15	164.71	23.586				
17,000.00	8,067.98	5,625.00	5,625.00	179.75	112.76	32.88	-7,377.36	-748.81	3,951.54	3,786.47	165.07	23.938				
17,100.00	8,067.98	5,625.00	5,625.00	181.49	112.76	32.88	-7,377.36	-748.81	4,019.60	3,854.21	165.39	24.303				
17,200.00	8,067.98	5,625.00	5,625.00	183.24	112.76	32.88	-7,377.36	-748.81	4,088.98	3,923.30	165.68	24.680				
17,300.00	8,067.99	5,625.00	5,625.00	184.99	112.76	32.88	-7,377.36	-748.81	4,159.60	3,993.66	165.94	25.067				
17,400.00	8,067.99	5,625.00	5,625.00	186.73	112.76	32.88	-7,377.36	-748.81	4,231.40	4,065.24	166.16	25.465				
17,500.00	8,067.99	5,625.00	5,625.00	188.48	112.76	32.88	-7,377.36	-748.81	4,304.34	4,137.97	166.36	25.873				
17,600.00	8,067.99	5,625.00	5,625.00	190.23	112.76	32.88	-7,377.36	-748.81	4,378.34	4,211.80	166.54	26.290				
17,700.00	8,067.99	5,625.00	5,625.00	191.97	112.76	32.88	-7,377.36	-748.81	4,453.35	4,286.66	166.69	26.716				
17,800.00	8,067.99	5,625.00	5,625.00	193.72	112.76	32.88	-7,377.36	-748.81	4,529.34	4,362.52	166.82	27.151				
17,900.00	8,068.00	5,625.00	5,625.00	195.47	112.76	32.88	-7,377.36	-748.81	4,606.24	4,439.30	166.93	27.593				
18,000.00	8,068.00	5,625.00	5,625.00	197.22	112.76	32.88	-7,377.36	-748.81	4,684.01	4,516.98	167.03	28.043				
18,100.00	8,068.00	5,625.00	5,625.00	198.97	112.76	32.88	-7,377.36	-748.81	4,762.61	4,595.51	167.11	28.501				
18,184.63	8,068.00	5,625.00	5,625.00	200.45	112.76	32.88	-7,377.36	-748.81	4,829.75	4,662.59	167.16	28.893				
18,185.16	8,068.00	5,625.00	5,625.00	200.47	112.76	32.88	-7,377.36	-748.81	4,830.17	4,662.70	167.47	28.842				



# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
0.00	0.00	0.00	0.00	0.00	0.00	164.94	-8,175.40	2,199.97	8,466.40					
100.00	100.00	47.00	47.00	0.13	0.56	164.94	-8,175.40	2,199.97	8,466.23	8,465.53	0.70	N/A		
200.00	200.00	147.00	147.00	0.49	2.27	164.94	-8,175.40	2,199.97	8,466.23	8,463.46	2.77	3,059.431		
300.00	300.00	247.00	247.00	0.85	4.46	164.94	-8,175.40	2,199.97	8,466.23	8,460.92	5.32	1,592.578		
400.00	400.00	347.00	347.00	1.21	6.53	164.94	-8,175.40	2,199.97	8,466.23	8,458.50	7.74	1,094.413		
500.00	500.00	447.00	447.00	1.57	8.56	164.94	-8,175.40	2,199.97	8,466.23	8,456.10	10.13	835.729		
600.00	600.00	547.00	547.00	1.93	10.59	164.94	-8,175.40	2,199.97	8,466.23	8,453.72	12.51	676.491		
700.00	700.00	647.00	647.00	2.29	12.61	164.94	-8,175.40	2,199.97	8,466.23	8,451.34	14.89	568.412		
800.00	800.00	747.00	747.00	2.64	14.63	164.94	-8,175.40	2,199.97	8,466.23	8,448.96	17.27	490.191		
900.00	900.00	847.00	847.00	3.00	16.64	164.94	-8,175.40	2,199.97	8,466.23	8,446.59	19.65	430.934		
1,000.00	1,000.00	947.00	947.00	3.36	18.66	164.94	-8,175.40	2,199.97	8,466.23	8,444.21	22.02	384.479		
1,100.00	1,100.00	1,047.00	1,047.00	3.72	20.67	164.94	-8,175.40	2,199.97	8,466.23	8,441.84	24.39	347.078		
1,200.00	1,200.00	1,147.00	1,147.00	4.08	22.69	164.94	-8,175.40	2,199.97	8,466.23	8,439.47	26.77	316.316		
1,300.00	1,299.98	1,246.98	1,246.98	4.42	24.70	23.81	-8,175.40	2,199.97	8,464.64	8,435.51	29.12	290.670		
1,400.00	1,399.84	1,346.84	1,346.84	4.75	26.71	23.86	-8,175.40	2,199.97	8,459.85	8,428.38	31.46	268.880		
1,500.00	1,499.45	1,446.45	1,446.45	5.09	28.72	23.95	-8,175.40	2,199.97	8,451.87	8,418.07	33.81	250.017		
1,600.00	1,598.70	1,545.70	1,545.70	5.44	30.71	24.07	-8,175.40	2,199.97	8,440.73	8,404.58	36.14	233.530		
1,700.00	1,697.47	1,644.47	1,644.47	5.81	32.70	24.24	-8,175.40	2,199.97	8,426.43	8,387.95	38.48	218.994		
1,800.00	1,795.62	1,742.62	1,742.62	6.19	34.68	24.44	-8,175.40	2,199.97	8,408.99	8,368.18	40.80	206.079		
1,846.33	1,840.86	1,787.86	1,787.86	6.38	35.59	24.54	-8,175.40	2,199.97	8,399.85	8,357.97	41.88	200.564		
1,900.00	1,893.17	1,840.17	1,840.17	6.60	36.64	24.58	-8,175.40	2,199.97	8,388.88	8,345.76	43.12	194.526		
2,000.00	1,990.64	1,937.64	1,937.64	7.02	38.60	24.64	-8,175.40	2,199.97	8,368.46	8,323.01	45.44	184.147		
2,100.00	2,088.10	2,035.10	2,035.10	7.46	40.56	24.70	-8,175.40	2,199.97	8,348.04	8,300.27	47.77	174.756		
2,200.00	2,185.57	2,132.57	2,132.57	7.91	42.52	24.77	-8,175.40	2,199.97	8,327.63	8,277.53	50.10	166.222		
2,300.00	2,283.03	2,230.03	2,230.03	8.37	44.48	24.83	-8,175.40	2,199.97	8,307.23	8,254.80	52.43	158.434		
2,400.00	2,380.50	2,327.50	2,327.50	8.84	46.44	24.90	-8,175.40	2,199.97	8,286.85	8,232.07	54.77	151.301		
2,500.00	2,477.97	2,424.96	2,424.96	9.32	48.40	24.96	-8,175.40	2,199.97	8,266.47	8,209.36	57.11	144.743		
2,600.00	2,575.43	2,522.43	2,522.43	9.80	50.36	25.03	-8,175.40	2,199.97	8,246.10	8,186.65	59.45	138.696		
2,700.00	2,672.90	2,619.90	2,619.90	10.28	52.32	25.09	-8,175.40	2,199.97	8,225.75	8,163.94	61.80	133.102		
2,800.00	2,770.36	2,717.36	2,717.36	10.77	54.28	25.16	-8,175.40	2,199.97	8,205.40	8,141.25	64.15	127.913		
2,900.00	2,867.83	2,814.83	2,814.83	11.26	56.24	25.22	-8,175.40	2,199.97	8,185.06	8,118.57	66.50	123.086		
3,000.00	2,965.29	2,912.29	2,912.29	11.76	58.20	25.29	-8,175.40	2,199.97	8,164.74	8,095.89	68.85	118.587		
3,100.00	3,062.76	3,009.76	3,009.76	12.26	60.16	25.36	-8,175.40	2,199.97	8,144.43	8,073.22	71.20	114.382		
3,200.00	3,160.23	3,107.23	3,107.23	12.76	62.13	25.42	-8,175.40	2,199.97	8,124.12	8,050.56	73.56	110.443		
3,300.00	3,257.69	3,204.69	3,204.69	13.27	64.09	25.49	-8,175.40	2,199.97	8,103.83	8,027.91	75.92	106.748		
3,400.00	3,355.16	3,302.16	3,302.16	13.77	66.05	25.56	-8,175.40	2,199.97	8,083.55	8,005.27	78.27	103.273		
3,500.00	3,452.62	3,400.38	3,399.62	14.28	68.02	25.63	-8,175.40	2,199.97	8,063.28	7,982.63	80.65	99.981		
3,600.00	3,550.09	3,502.91	3,497.09	14.79	70.08	25.70	-8,175.40	2,199.97	8,043.02	7,959.91	83.11	96.776		
3,700.00	3,647.55	3,605.45	3,594.55	15.30	72.15	25.77	-8,175.40	2,199.97	8,022.77	7,937.20	85.57	93.753		
3,800.00	3,745.02	3,707.98	3,692.02	15.81	74.21	25.83	-8,175.40	2,199.97	8,002.53	7,914.50	88.04	90.899		
3,900.00	3,842.49	3,789.49	3,789.49	16.32	75.85	25.90	-8,175.40	2,199.97	7,982.31	7,892.23	90.08	88.614		
4,000.00	3,939.95	3,886.95	3,886.95	16.84	77.81	25.97	-8,175.40	2,199.97	7,962.10	7,869.65	92.44	86.129		
4,100.00	4,037.42	3,984.42	3,984.42	17.35	79.77	26.04	-8,175.40	2,199.97	7,941.89	7,847.08	94.81	83.767		
4,200.00	4,134.88	4,081.88	4,081.88	17.87	81.73	26.12	-8,175.40	2,199.97	7,921.70	7,824.53	97.18	81.520		
4,300.00	4,232.35	4,179.35	4,179.35	18.39	83.69	26.19	-8,175.40	2,199.97	7,901.52	7,801.98	99.54	79.379		
4,400.00	4,329.81	4,276.81	4,276.81	18.90	85.65	26.26	-8,175.40	2,199.97	7,881.36	7,779.45	101.91	77.337		
4,500.00	4,427.28	4,374.28	4,374.28	19.42	87.61	26.33	-8,175.40	2,199.97	7,861.20	7,756.92	104.28	75.387		
4,600.00	4,524.75	4,471.75	4,471.75	19.94	89.57	26.40	-8,175.40	2,199.97	7,841.06	7,734.41	106.65	73.524		
4,700.00	4,622.21	4,569.21	4,569.21	20.46	91.53	26.47	-8,175.40	2,199.97	7,820.93	7,711.91	109.02	71.741		
4,800.00	4,719.68	4,666.68	4,666.68	20.98	93.49	26.55	-8,175.40	2,199.97	7,800.81	7,689.42	111.39	70.034		
4,900.00	4,817.14	4,764.14	4,764.14	21.50	95.45	26.62	-8,175.40	2,199.97	7,780.70	7,666.95	113.76	68.397		
5,000.00	4,914.61	4,861.61	4,861.61	22.02	97.41	26.69	-8,175.40	2,199.97	7,760.61	7,644.48	116.13	66.827		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
5,100.00	5,012.07	4,959.07	4,959.07	22.54	99.37	26.77	-8,175.40	2,199.97	7,740.53	7,622.03	118.50	65.320		
5,200.00	5,109.54	5,056.54	5,056.54	23.06	101.33	26.84	-8,175.40	2,199.97	7,720.46	7,599.58	120.87	63.872		
5,300.00	5,207.01	5,154.01	5,154.01	23.59	103.29	26.92	-8,175.40	2,199.97	7,700.40	7,577.15	123.25	62.479		
5,400.00	5,304.47	5,251.47	5,251.47	24.11	105.25	26.99	-8,175.40	2,199.97	7,680.36	7,554.74	125.62	61.139		
5,500.00	5,401.94	5,348.94	5,348.94	24.63	107.21	27.07	-8,175.40	2,199.97	7,660.33	7,532.33	128.00	59.848		
5,600.00	5,499.40	5,446.40	5,446.40	25.16	109.17	27.14	-8,175.40	2,199.97	7,640.31	7,509.94	130.37	58.604		
5,700.00	5,596.87	5,543.87	5,543.87	25.68	111.13	27.22	-8,175.40	2,199.97	7,620.31	7,487.56	132.75	57.404		
5,800.00	5,694.33	5,641.33	5,641.33	26.20	113.09	27.30	-8,175.40	2,199.97	7,600.31	7,465.19	135.12	56.247		
5,900.00	5,791.80	5,738.80	5,738.80	26.73	115.05	27.37	-8,175.40	2,199.97	7,580.34	7,442.84	137.50	55.129		
6,000.00	5,889.27	5,836.27	5,836.27	27.25	117.01	27.45	-8,175.40	2,199.97	7,560.37	7,420.49	139.88	54.049		
6,100.00	5,986.73	5,933.73	5,933.73	27.78	118.97	27.53	-8,175.40	2,199.97	7,540.42	7,398.16	142.26	53.006		
6,200.00	6,084.20	6,031.20	6,031.20	28.30	120.93	27.61	-8,175.40	2,199.97	7,520.48	7,375.85	144.64	51.996		
6,300.00	6,181.66	6,128.66	6,128.66	28.82	122.89	27.69	-8,175.40	2,199.97	7,500.56	7,353.54	147.01	51.019		
6,400.00	6,279.13	6,226.13	6,226.13	29.35	124.85	27.77	-8,175.40	2,199.97	7,480.65	7,331.25	149.39	50.073		
6,500.00	6,376.59	6,323.59	6,323.59	29.88	126.81	27.85	-8,175.40	2,199.97	7,460.75	7,308.98	151.77	49.157		
6,600.00	6,474.06	6,421.06	6,421.06	30.40	128.77	27.93	-8,175.40	2,199.97	7,440.87	7,286.72	154.16	48.269		
6,700.00	6,571.53	6,518.53	6,518.53	30.93	130.73	28.01	-8,175.40	2,199.97	7,421.00	7,264.47	156.54	47.407		
6,800.00	6,668.99	6,615.99	6,615.99	31.45	132.69	28.09	-8,175.40	2,199.97	7,401.15	7,242.23	158.92	46.572		
6,887.36	6,754.14	6,701.14	6,701.14	31.91	134.40	28.16	-8,175.40	2,199.97	7,383.82	7,222.82	161.00	45.862		
6,900.00	6,766.46	6,713.46	6,713.46	31.98	134.65	28.14	-8,175.40	2,199.97	7,381.33	7,220.03	161.30	45.761		
7,000.00	6,864.39	6,811.39	6,811.39	32.48	136.62	28.05	-8,175.40	2,199.97	7,363.40	7,199.72	163.68	44.986		
7,100.00	6,962.96	6,909.96	6,909.96	32.94	138.60	27.97	-8,175.40	2,199.97	7,348.52	7,182.46	166.06	44.251		
7,200.00	7,062.06	7,009.06	7,009.06	33.36	140.59	27.90	-8,175.40	2,199.97	7,336.70	7,168.26	168.44	43.557		
7,300.00	7,161.57	7,108.57	7,108.57	33.74	142.60	27.86	-8,175.40	2,199.97	7,327.95	7,157.15	170.80	42.903		
7,400.00	7,261.36	7,208.36	7,208.36	34.08	144.60	27.83	-8,175.40	2,199.97	7,322.28	7,149.13	173.16	42.287		
7,500.00	7,361.31	7,308.31	7,308.31	34.39	146.61	27.81	-8,175.40	2,199.97	7,319.70	7,144.21	175.50	41.709		
7,533.69	7,395.00	7,342.00	7,342.00	34.48	147.29	168.96	-8,175.40	2,199.97	7,319.53	7,143.25	176.28	41.523		
7,600.00	7,461.31	7,408.31	7,408.31	34.65	148.62	168.96	-8,175.40	2,199.97	7,319.53	7,141.72	177.81	41.165		
7,633.69	7,495.00	7,442.00	7,442.00	34.73	149.30	168.96	-8,175.40	2,199.97	7,319.53	7,140.94	178.59	40.986		
7,650.00	7,511.31	7,458.31	7,458.31	34.78	149.63	-10.70	-8,175.40	2,199.97	7,319.30	7,140.33	178.97	40.898		
7,700.00	7,561.16	7,508.16	7,508.16	34.94	150.63	-10.77	-8,175.40	2,199.97	7,315.76	7,135.63	180.13	40.614		
7,750.00	7,610.51	7,557.51	7,557.51	35.14	151.62	-10.94	-8,175.40	2,199.97	7,307.97	7,126.68	181.28	40.313		
7,800.00	7,658.98	7,605.98	7,605.98	35.37	152.60	-11.19	-8,175.40	2,199.97	7,295.98	7,113.56	182.42	39.995		
7,850.00	7,706.21	7,653.21	7,653.21	35.64	153.55	-11.55	-8,175.40	2,199.97	7,279.89	7,096.35	183.53	39.665		
7,900.00	7,751.82	7,701.18	7,698.82	35.93	154.51	-12.03	-8,175.40	2,199.97	7,259.81	7,075.16	184.66	39.315		
7,950.00	7,795.49	7,742.49	7,742.49	36.26	155.34	-12.66	-8,175.40	2,199.97	7,235.91	7,050.28	185.64	38.979		
8,000.00	7,836.86	7,783.86	7,783.86	36.62	156.18	-13.45	-8,175.40	2,199.97	7,208.37	7,021.76	186.61	38.628		
8,050.00	7,875.64	7,822.64	7,822.64	37.00	156.96	-14.46	-8,175.40	2,199.97	7,177.40	6,989.88	187.52	38.275		
8,100.00	7,911.52	7,858.52	7,858.52	37.42	157.68	-15.76	-8,175.40	2,199.97	7,143.23	6,954.87	188.36	37.924		
8,150.00	7,944.22	7,908.78	7,891.22	37.86	158.69	-17.42	-8,175.40	2,199.97	7,106.12	6,916.66	189.47	37.506		
8,200.00	7,973.51	7,920.51	7,920.51	38.32	158.92	-19.61	-8,175.40	2,199.97	7,066.37	6,876.59	189.79	37.234		
8,250.00	7,999.16	7,946.16	7,946.16	38.81	159.44	-22.53	-8,175.40	2,199.97	7,024.28	6,833.91	190.37	36.899		
8,300.00	8,020.98	7,967.98	7,967.98	39.31	159.88	-26.58	-8,175.40	2,199.97	6,980.16	6,789.31	190.85	36.574		
8,350.00	8,038.79	7,985.79	7,985.79	39.84	160.24	-32.37	-8,175.40	2,199.97	6,934.35	6,743.12	191.23	36.261		
8,400.00	8,052.46	8,000.54	7,999.46	40.38	160.53	-41.02	-8,175.40	2,199.97	6,887.21	6,695.68	191.54	35.958		
8,450.00	8,061.89	8,008.89	8,008.89	40.93	160.70	-54.30	-8,175.40	2,199.97	6,839.10	6,647.41	191.69	35.677		
8,500.00	8,067.01	8,014.01	8,014.01	41.49	160.80	-73.92	-8,175.40	2,199.97	6,790.38	6,598.61	191.77	35.409		
8,533.77	8,068.00	8,015.00	8,015.00	41.88	160.82	-90.01	-8,175.40	2,199.97	6,757.31	6,565.55	191.76	35.238		
8,600.00	8,068.00	8,015.00	8,015.00	42.64	160.82	-90.01	-8,175.40	2,199.97	6,692.45	6,500.74	191.71	34.910		
8,700.00	8,068.00	8,015.00	8,015.00	43.82	160.82	-90.00	-8,175.40	2,199.97	6,594.56	6,402.94	191.62	34.415		
8,800.00	8,068.00	8,015.00	8,015.00	45.04	160.82	-90.00	-8,175.40	2,199.97	6,496.74	6,305.20	191.54	33.918		
8,900.00	8,067.99	8,014.99	8,014.99	46.30	160.82	-90.00	-8,175.40	2,199.97	6,398.99	6,207.52	191.47	33.421		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,000.00	8,067.99	8,014.99	8,014.99	47.59	160.82	-90.00	-8,175.40	2,199.97	6,301.30	6,109.91	191.40	32.923		
9,100.00	8,067.99	8,014.99	8,014.99	48.91	160.82	-90.00	-8,175.40	2,199.97	6,203.69	6,012.36	191.33	32.423		
9,200.00	8,067.99	8,014.99	8,014.99	50.26	160.82	-90.00	-8,175.40	2,199.97	6,106.16	5,914.88	191.28	31.923		
9,300.00	8,067.99	8,014.99	8,014.99	51.63	160.82	-90.00	-8,175.40	2,199.97	6,008.71	5,817.47	191.23	31.421		
9,400.00	8,067.99	8,014.99	8,014.99	53.03	160.82	-90.00	-8,175.40	2,199.97	5,911.34	5,720.15	191.19	30.918		
9,500.00	8,067.98	8,014.98	8,014.98	54.44	160.82	-90.00	-8,175.40	2,199.97	5,814.07	5,622.90	191.16	30.414		
9,600.00	8,067.98	8,014.98	8,014.98	55.88	160.82	-90.00	-8,175.40	2,199.97	5,716.88	5,525.74	191.15	29.908		
9,700.00	8,067.98	8,014.98	8,014.98	57.34	160.82	-90.00	-8,175.40	2,199.97	5,619.80	5,428.66	191.14	29.401		
9,800.00	8,067.98	8,014.98	8,014.98	58.81	160.82	-90.00	-8,175.40	2,199.97	5,522.82	5,331.67	191.15	28.893		
9,900.00	8,067.98	8,014.98	8,014.98	60.31	160.82	-90.00	-8,175.40	2,199.97	5,425.95	5,234.78	191.17	28.382		
10,000.00	8,067.98	8,014.98	8,014.98	61.81	160.82	-90.00	-8,175.40	2,199.97	5,329.20	5,137.98	191.21	27.871		
10,100.00	8,067.98	8,014.98	8,014.98	63.33	160.82	-90.00	-8,175.40	2,199.97	5,232.56	5,041.29	191.27	27.357		
10,200.00	8,067.97	8,014.97	8,014.97	64.86	160.82	-90.00	-8,175.40	2,199.97	5,136.06	4,944.71	191.35	26.842		
10,300.00	8,067.97	8,014.97	8,014.97	66.41	160.82	-90.00	-8,175.40	2,199.97	5,039.69	4,848.25	191.44	26.325		
10,400.00	8,067.97	8,014.97	8,014.97	67.96	160.82	-90.00	-8,175.40	2,199.97	4,943.47	4,751.90	191.57	25.805		
10,500.00	8,067.97	8,014.97	8,014.97	69.53	160.82	-90.00	-8,175.40	2,199.97	4,847.40	4,655.68	191.72	25.284		
10,600.00	8,067.97	8,014.97	8,014.97	71.10	160.82	-90.00	-8,175.40	2,199.97	4,751.49	4,559.59	191.89	24.761		
10,700.00	8,067.97	8,014.97	8,014.97	72.69	160.82	-90.00	-8,175.40	2,199.97	4,655.75	4,463.65	192.10	24.236		
10,800.00	8,067.97	8,014.97	8,014.97	74.28	160.82	-90.00	-8,175.40	2,199.97	4,560.20	4,367.85	192.35	23.708		
10,900.00	8,067.97	8,014.97	8,014.97	75.88	160.82	-90.00	-8,175.40	2,199.97	4,464.84	4,272.21	192.63	23.178		
11,000.00	8,067.97	8,014.97	8,014.97	77.49	160.82	-90.00	-8,175.40	2,199.97	4,369.69	4,176.74	192.95	22.646		
11,100.00	8,067.97	8,014.97	8,014.97	79.10	160.82	-90.00	-8,175.40	2,199.97	4,274.76	4,081.44	193.32	22.112		
11,200.00	8,067.96	8,014.96	8,014.96	80.73	160.82	-90.00	-8,175.40	2,199.97	4,180.07	3,986.33	193.74	21.576		
11,300.00	8,067.96	8,014.96	8,014.96	82.35	160.82	-90.00	-8,175.40	2,199.97	4,085.63	3,891.42	194.21	21.037		
11,400.00	8,067.96	8,014.96	8,014.96	83.99	160.82	-90.00	-8,175.40	2,199.97	3,991.46	3,796.72	194.74	20.497		
11,500.00	8,067.96	8,014.96	8,014.96	85.63	160.82	-90.00	-8,175.40	2,199.97	3,897.58	3,702.25	195.33	19.954		
11,600.00	8,067.96	8,014.96	8,014.96	87.27	160.82	-90.00	-8,175.40	2,199.97	3,804.01	3,608.03	195.98	19.410		
11,700.00	8,067.96	8,014.96	8,014.96	88.92	160.82	-90.00	-8,175.40	2,199.97	3,710.78	3,514.07	196.71	18.864		
11,800.00	8,067.96	8,014.96	8,014.96	90.58	160.82	-90.00	-8,175.40	2,199.97	3,617.91	3,420.39	197.52	18.317		
11,900.00	8,067.96	8,014.96	8,014.96	92.23	160.82	-90.00	-8,175.40	2,199.97	3,525.43	3,327.01	198.41	17.768		
12,000.00	8,067.96	8,014.96	8,014.96	93.90	160.82	-90.00	-8,175.40	2,199.97	3,433.37	3,233.97	199.40	17.219		
12,100.00	8,067.96	8,014.96	8,014.96	95.56	160.82	-90.00	-8,175.40	2,199.97	3,341.77	3,141.29	200.48	16.669		
12,200.00	8,067.96	8,014.96	8,014.96	97.23	160.82	-90.00	-8,175.40	2,199.97	3,250.66	3,048.99	201.67	16.119		
12,300.00	8,067.96	8,014.96	8,014.96	98.91	160.82	-90.00	-8,175.40	2,199.97	3,160.09	2,957.12	202.97	15.569		
12,400.00	8,067.96	8,014.96	8,014.96	100.59	160.82	-90.00	-8,175.40	2,199.97	3,070.11	2,865.71	204.40	15.020		
12,500.00	8,067.96	8,014.96	8,014.96	102.27	160.82	-90.00	-8,175.40	2,199.97	2,980.76	2,774.81	205.95	14.473		
12,600.00	8,067.96	8,014.96	8,014.96	103.95	160.82	-90.00	-8,175.40	2,199.97	2,892.11	2,684.47	207.64	13.928		
12,700.00	8,067.96	8,014.96	8,014.96	105.64	160.82	-90.00	-8,175.40	2,199.97	2,804.23	2,594.74	209.49	13.386		
12,800.00	8,067.96	8,014.96	8,014.96	107.33	160.82	-90.00	-8,175.40	2,199.97	2,717.18	2,505.69	211.49	12.848		
12,900.00	8,067.96	8,014.96	8,014.96	109.02	160.82	-90.00	-8,175.40	2,199.97	2,631.06	2,417.39	213.66	12.314		
13,000.00	8,067.96	8,014.96	8,014.96	110.71	160.82	-90.00	-8,175.40	2,199.97	2,545.95	2,329.92	216.02	11.786		
13,100.00	8,067.96	8,014.96	8,014.96	112.41	160.82	-90.00	-8,175.40	2,199.97	2,461.95	2,243.38	218.57	11.264		
13,200.00	8,067.96	8,014.96	8,014.96	114.11	160.82	-90.00	-8,175.40	2,199.97	2,379.20	2,157.87	221.33	10.750		
13,300.00	8,067.96	8,014.96	8,014.96	115.81	160.82	-90.00	-8,175.40	2,199.97	2,297.82	2,073.51	224.31	10.244		
13,400.00	8,067.96	8,014.96	8,014.96	117.52	160.82	-90.00	-8,175.40	2,199.97	2,217.96	1,990.45	227.51	9.749		
13,500.00	8,067.96	8,014.96	8,014.96	119.22	160.82	-90.00	-8,175.40	2,199.97	2,139.80	1,908.84	230.96	9.265		
13,600.00	8,067.96	8,014.96	8,014.96	120.93	160.82	-90.00	-8,175.40	2,199.97	2,063.52	1,828.86	234.66	8.794		
13,700.00	8,067.96	8,014.96	8,014.96	122.64	160.82	-90.00	-8,175.40	2,199.97	1,989.35	1,750.73	238.62	8.337		
13,800.00	8,067.96	8,014.96	8,014.96	124.35	160.82	-90.00	-8,175.40	2,199.97	1,917.52	1,674.68	242.84	7.896		
13,900.00	8,067.96	8,014.96	8,014.96	126.06	160.82	-90.00	-8,175.40	2,199.97	1,848.31	1,600.98	247.33	7.473		
14,000.00	8,067.96	8,014.96	8,014.96	127.78	160.82	-90.00	-8,175.40	2,199.97	1,782.03	1,529.96	252.07	7.070		
14,100.00	8,067.96	8,014.96	8,014.96	129.50	160.82	-90.00	-8,175.40	2,199.97	1,719.01	1,461.97	257.04	6.688		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 0-INC												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,200.00	8,067.96	8,014.96	8,014.96	131.21	160.82	-90.00	-8,175.40	2,199.97	1,659.63	1,397.40	262.23	6.329	
14,300.00	8,067.96	8,014.96	8,014.96	132.93	160.82	-90.00	-8,175.40	2,199.97	1,604.29	1,336.70	267.59	5.995	
14,400.00	8,067.96	8,014.96	8,014.96	134.65	160.82	-90.00	-8,175.40	2,199.97	1,553.43	1,280.36	273.07	5.689	
14,500.00	8,067.96	8,014.96	8,014.96	136.38	160.82	-90.00	-8,175.40	2,199.97	1,507.49	1,228.91	278.58	5.411	
14,600.00	8,067.96	8,014.96	8,014.96	138.10	160.82	-90.00	-8,175.40	2,199.97	1,466.93	1,182.90	284.03	5.165	
14,700.00	8,067.96	8,014.96	8,014.96	139.82	160.82	-90.00	-8,175.40	2,199.97	1,432.22	1,142.90	289.32	4.950	
14,800.00	8,067.96	8,014.96	8,014.96	141.55	160.82	-90.00	-8,175.40	2,199.97	1,403.80	1,109.47	294.33	4.769	
14,900.00	8,067.96	8,014.96	8,014.96	143.28	160.82	-90.00	-8,175.40	2,199.97	1,382.03	1,083.12	298.92	4.623	
15,000.00	8,067.96	8,014.96	8,014.96	145.00	160.82	-90.00	-8,175.40	2,199.97	1,367.26	1,064.29	302.97	4.513	
15,100.00	8,067.96	8,014.96	8,014.96	146.73	160.82	-90.00	-8,175.40	2,199.97	1,359.69	1,053.31	306.38	4.438	
15,153.12	8,067.96	8,014.96	8,014.96	147.65	160.82	-90.00	-8,175.40	2,199.97	1,358.66	1,050.75	307.90	4.413 CC	
15,200.00	8,067.96	8,014.96	8,014.96	148.46	160.82	-90.00	-8,175.40	2,199.97	1,359.46	1,050.39	309.07	4.399 ES	
15,300.00	8,067.96	8,014.96	8,014.96	150.19	160.82	-90.00	-8,175.40	2,199.97	1,366.57	1,055.58	310.99	4.394 SF	
15,400.00	8,067.96	8,014.96	8,014.96	151.93	160.82	-90.00	-8,175.40	2,199.97	1,380.90	1,068.77	312.14	4.424	
15,500.00	8,067.96	8,014.96	8,014.96	153.66	160.82	-90.00	-8,175.40	2,199.97	1,402.24	1,089.71	312.53	4.487	
15,600.00	8,067.96	8,014.96	8,014.96	155.39	160.82	-90.00	-8,175.40	2,199.97	1,430.26	1,118.02	312.24	4.581	
15,700.00	8,067.97	8,014.97	8,014.97	157.13	160.82	-90.00	-8,175.40	2,199.97	1,464.59	1,153.25	311.34	4.704	
15,800.00	8,067.97	8,014.97	8,014.97	158.86	160.82	-90.00	-8,175.40	2,199.97	1,504.79	1,194.86	309.93	4.855	
15,900.00	8,067.97	8,014.97	8,014.97	160.60	160.82	-90.00	-8,175.40	2,199.97	1,550.41	1,242.30	308.10	5.032	
16,000.00	8,067.97	8,014.97	8,014.97	162.34	160.82	-90.00	-8,175.40	2,199.97	1,600.98	1,295.02	305.96	5.233	
16,100.00	8,067.97	8,014.97	8,014.97	164.08	160.82	-90.00	-8,175.40	2,199.97	1,656.05	1,352.47	303.58	5.455	
16,200.00	8,067.97	8,014.97	8,014.97	165.81	160.82	-90.00	-8,175.40	2,199.97	1,715.19	1,414.14	301.05	5.697	
16,300.00	8,067.97	8,014.97	8,014.97	167.55	160.82	-90.00	-8,175.40	2,199.97	1,777.99	1,479.57	298.42	5.958	
16,400.00	8,067.97	8,014.97	8,014.97	169.29	160.82	-90.00	-8,175.40	2,199.97	1,844.08	1,548.33	295.75	6.235	
16,500.00	8,067.97	8,014.97	8,014.97	171.04	160.82	-90.00	-8,175.40	2,199.97	1,913.11	1,620.03	293.08	6.528	
16,600.00	8,067.98	8,014.98	8,014.98	172.78	160.82	-90.00	-8,175.40	2,199.97	1,984.78	1,694.34	290.44	6.834	
16,700.00	8,067.98	8,014.98	8,014.98	174.52	160.82	-90.00	-8,175.40	2,199.97	2,058.82	1,770.96	287.86	7.152	
16,800.00	8,067.98	8,014.98	8,014.98	176.26	160.82	-90.00	-8,175.40	2,199.97	2,134.97	1,849.62	285.35	7.482	
16,900.00	8,067.98	8,014.98	8,014.98	178.01	160.82	-90.00	-8,175.40	2,199.97	2,213.03	1,930.11	282.92	7.822	
17,000.00	8,067.98	8,014.98	8,014.98	179.75	160.82	-90.00	-8,175.40	2,199.97	2,292.78	2,012.20	280.58	8.172	
17,100.00	8,067.98	8,014.98	8,014.98	181.49	160.82	-90.00	-8,175.40	2,199.97	2,374.07	2,095.74	278.34	8.530	
17,200.00	8,067.98	8,014.98	8,014.98	183.24	160.82	-90.00	-8,175.40	2,199.97	2,456.74	2,180.56	276.19	8.895	
17,300.00	8,067.99	8,014.99	8,014.99	184.99	160.82	-90.00	-8,175.40	2,199.97	2,540.66	2,266.53	274.13	9.268	
17,400.00	8,067.99	8,014.99	8,014.99	186.73	160.82	-90.00	-8,175.40	2,199.97	2,625.71	2,353.53	272.17	9.647	
17,500.00	8,067.99	8,014.99	8,014.99	188.48	160.82	-90.00	-8,175.40	2,199.97	2,711.77	2,441.46	270.31	10.032	
17,600.00	8,067.99	8,014.99	8,014.99	190.23	160.82	-90.00	-8,175.40	2,199.97	2,798.76	2,530.23	268.53	10.423	
17,700.00	8,067.99	8,014.99	8,014.99	191.97	160.82	-90.00	-8,175.40	2,199.97	2,886.60	2,619.76	266.84	10.818	
17,800.00	8,067.99	8,014.99	8,014.99	193.72	160.82	-90.00	-8,175.40	2,199.97	2,975.20	2,709.97	265.23	11.217	
17,900.00	8,068.00	8,015.00	8,015.00	195.47	160.82	-90.00	-8,175.40	2,199.97	3,064.50	2,800.81	263.70	11.621	
18,000.00	8,068.00	8,015.00	8,015.00	197.22	160.82	-90.00	-8,175.40	2,199.97	3,154.45	2,892.21	262.24	12.029	
18,100.00	8,068.00	8,015.00	8,015.00	198.97	160.82	-90.00	-8,175.40	2,199.97	3,244.98	2,984.13	260.85	12.440	
18,184.63	8,068.00	8,015.00	8,015.00	200.45	160.82	-90.00	-8,175.40	2,199.97	3,322.03	3,062.30	259.73	12.790	
18,185.16	8,068.00	8,015.00	8,015.00	200.47	160.82	-90.00	-8,175.40	2,199.97	3,322.51	3,061.39	261.12	12.724	

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,900.00	7,751.82	7,760.82	7,760.82	35.93	155.70	17.30	-10,701.30	-1,826.01	9,999.87	9,810.84	189.04	52.899		
7,950.00	7,795.49	7,804.49	7,804.49	36.26	156.58	18.15	-10,701.30	-1,826.01	9,976.44	9,786.31	190.13	52.472		
8,000.00	7,836.86	7,845.86	7,845.86	36.62	157.41	19.23	-10,701.30	-1,826.01	9,949.43	9,758.25	191.18	52.043		
8,050.00	7,875.64	7,884.64	7,884.64	37.00	158.19	20.59	-10,701.30	-1,826.01	9,919.06	9,726.88	192.17	51.615		
8,100.00	7,911.52	7,920.52	7,920.52	37.42	158.91	22.32	-10,701.30	-1,826.01	9,885.55	9,692.44	193.11	51.190		
8,150.00	7,944.22	7,953.22	7,953.22	37.86	159.57	24.51	-10,701.30	-1,826.01	9,849.18	9,655.19	193.99	50.772		
8,200.00	7,973.51	7,982.51	7,982.51	38.32	160.16	27.32	-10,701.30	-1,826.01	9,810.22	9,615.43	194.79	50.363		
8,250.00	7,999.16	8,008.16	8,008.16	38.81	160.68	31.00	-10,701.30	-1,826.01	9,768.96	9,573.44	195.51	49.966		
8,300.00	8,020.98	8,029.98	8,029.98	39.31	161.11	35.87	-10,701.30	-1,826.01	9,725.72	9,529.56	196.15	49.582		
8,350.00	8,038.79	8,047.79	8,047.79	39.84	161.47	42.45	-10,701.30	-1,826.01	9,680.83	9,484.13	196.71	49.215		
8,400.00	8,052.46	8,061.46	8,061.46	40.38	161.75	51.41	-10,701.30	-1,826.01	9,634.65	9,437.48	197.17	48.865		
8,450.00	8,061.89	8,070.89	8,070.89	40.93	161.94	63.44	-10,701.30	-1,826.01	9,587.51	9,389.97	197.54	48.535		
8,500.00	8,067.01	8,076.01	8,076.01	41.49	162.04	78.64	-10,701.30	-1,826.01	9,539.78	9,341.97	197.81	48.227		
8,533.77	8,068.00	8,077.00	8,077.00	41.88	162.06	90.00	-10,701.30	-1,826.01	9,507.40	9,309.46	197.94	48.031		
8,600.00	8,068.00	8,077.00	8,077.00	42.64	162.06	90.00	-10,701.30	-1,826.01	9,443.88	9,245.72	198.16	47.657		
8,700.00	8,068.00	8,077.00	8,077.00	43.82	162.06	90.00	-10,701.30	-1,826.01	9,348.04	9,149.53	198.50	47.092		
8,800.00	8,068.00	8,077.00	8,077.00	45.04	162.06	90.00	-10,701.30	-1,826.01	9,252.29	9,053.43	198.86	46.527		
8,900.00	8,067.99	8,076.99	8,076.99	46.30	162.06	90.00	-10,701.30	-1,826.01	9,156.63	8,957.40	199.23	45.961		
9,000.00	8,067.99	8,076.99	8,076.99	47.59	162.06	90.00	-10,701.30	-1,826.01	9,061.06	8,861.45	199.61	45.394		
9,100.00	8,067.99	8,076.99	8,076.99	48.91	162.06	90.00	-10,701.30	-1,826.01	8,965.59	8,765.58	200.01	44.826		
9,200.00	8,067.99	8,076.99	8,076.99	50.26	162.06	90.00	-10,701.30	-1,826.01	8,870.22	8,669.80	200.42	44.258		
9,300.00	8,067.99	8,076.99	8,076.99	51.63	162.06	90.00	-10,701.30	-1,826.01	8,774.95	8,574.10	200.85	43.689		
9,400.00	8,067.99	8,076.99	8,076.99	53.03	162.06	90.00	-10,701.30	-1,826.01	8,679.79	8,478.50	201.29	43.120		
9,500.00	8,067.98	8,076.98	8,076.98	54.44	162.06	90.00	-10,701.30	-1,826.01	8,584.74	8,382.99	201.75	42.551		
9,600.00	8,067.98	8,076.98	8,076.98	55.88	162.06	90.00	-10,701.30	-1,826.01	8,489.81	8,287.58	202.23	41.981		
9,700.00	8,067.98	8,076.98	8,076.98	57.34	162.06	90.00	-10,701.30	-1,826.01	8,394.99	8,192.26	202.72	41.411		
9,800.00	8,067.98	8,076.98	8,076.98	58.81	162.06	90.00	-10,701.30	-1,826.01	8,300.29	8,097.05	203.24	40.841		
9,900.00	8,067.98	8,076.98	8,076.98	60.31	162.06	90.00	-10,701.30	-1,826.01	8,205.72	8,001.95	203.77	40.270		
10,000.00	8,067.98	8,076.98	8,076.98	61.81	162.06	90.00	-10,701.30	-1,826.01	8,111.28	7,906.96	204.32	39.700		
10,100.00	8,067.98	8,076.98	8,076.98	63.33	162.06	90.00	-10,701.30	-1,826.01	8,016.97	7,812.09	204.88	39.129		
10,200.00	8,067.97	8,076.97	8,076.97	64.86	162.06	90.00	-10,701.30	-1,826.01	7,922.80	7,717.33	205.47	38.559		
10,300.00	8,067.97	8,076.97	8,076.97	66.41	162.06	90.00	-10,701.30	-1,826.01	7,828.78	7,622.70	206.08	37.989		
10,400.00	8,067.97	8,076.97	8,076.97	67.96	162.06	90.00	-10,701.30	-1,826.01	7,734.91	7,528.20	206.71	37.419		
10,500.00	8,067.97	8,076.97	8,076.97	69.53	162.06	90.00	-10,701.30	-1,826.01	7,641.19	7,433.83	207.36	36.849		
10,600.00	8,067.97	8,076.97	8,076.97	71.10	162.06	90.00	-10,701.30	-1,826.01	7,547.64	7,339.60	208.04	36.280		
10,700.00	8,067.97	8,076.97	8,076.97	72.69	162.06	90.00	-10,701.30	-1,826.01	7,454.25	7,245.51	208.74	35.711		
10,800.00	8,067.97	8,076.97	8,076.97	74.28	162.06	90.00	-10,701.30	-1,826.01	7,361.04	7,151.58	209.46	35.143		
10,900.00	8,067.97	8,076.97	8,076.97	75.88	162.06	90.00	-10,701.30	-1,826.01	7,268.00	7,057.80	210.20	34.576		
11,000.00	8,067.97	8,076.97	8,076.97	77.49	162.06	90.00	-10,701.30	-1,826.01	7,175.16	6,964.18	210.98	34.009		
11,100.00	8,067.97	8,076.97	8,076.97	79.10	162.06	90.00	-10,701.30	-1,826.01	7,082.50	6,870.73	211.77	33.444		
11,200.00	8,067.96	8,076.96	8,076.96	80.73	162.06	90.00	-10,701.30	-1,826.01	6,990.05	6,777.46	212.60	32.879		
11,300.00	8,067.96	8,076.96	8,076.96	82.35	162.06	90.00	-10,701.30	-1,826.01	6,897.82	6,684.36	213.45	32.316		
11,400.00	8,067.96	8,076.96	8,076.96	83.99	162.06	90.00	-10,701.30	-1,826.01	6,805.80	6,591.46	214.33	31.753		
11,500.00	8,067.96	8,076.96	8,076.96	85.63	162.06	90.00	-10,701.30	-1,826.01	6,714.01	6,498.76	215.24	31.192		
11,600.00	8,067.96	8,076.96	8,076.96	87.27	162.06	90.00	-10,701.30	-1,826.01	6,622.45	6,406.27	216.19	30.633		
11,700.00	8,067.96	8,076.96	8,076.96	88.92	162.06	90.00	-10,701.30	-1,826.01	6,531.15	6,313.99	217.16	30.075		
11,800.00	8,067.96	8,076.96	8,076.96	90.58	162.06	90.00	-10,701.30	-1,826.01	6,440.10	6,221.94	218.17	29.519		
11,900.00	8,067.96	8,076.96	8,076.96	92.23	162.06	90.00	-10,701.30	-1,826.01	6,349.32	6,130.12	219.21	28.965		
12,000.00	8,067.96	8,076.96	8,076.96	93.90	162.06	90.00	-10,701.30	-1,826.01	6,258.83	6,038.55	220.28	28.413		
12,100.00	8,067.96	8,076.96	8,076.96	95.56	162.06	90.00	-10,701.30	-1,826.01	6,168.63	5,947.23	221.39	27.863		
12,200.00	8,067.96	8,076.96	8,076.96	97.23	162.06	90.00	-10,701.30	-1,826.01	6,078.73	5,856.19	222.54	27.315		
12,300.00	8,067.96	8,076.96	8,076.96	98.91	162.06	90.00	-10,701.30	-1,826.01	5,989.15	5,765.42	223.73	26.769		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design      Sec 4-T1N-R68W - EXIST VERT NORDSTROM 2-4 - 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		
12,400.00	8,067.96	8,076.96	8,076.96	100.59	162.06	90.00	-10,701.30	-1,826.01	5,899.91	5,674.96	224.96	26.227		
12,500.00	8,067.96	8,076.96	8,076.96	102.27	162.06	90.00	-10,701.30	-1,826.01	5,811.02	5,584.80	226.23	25.687		
12,600.00	8,067.96	8,076.96	8,076.96	103.95	162.06	90.00	-10,701.30	-1,826.01	5,722.50	5,494.96	227.54	25.150		
12,700.00	8,067.96	8,076.96	8,076.96	105.64	162.06	90.00	-10,701.30	-1,826.01	5,634.36	5,405.47	228.89	24.616		
12,800.00	8,067.96	8,076.96	8,076.96	107.33	162.06	90.00	-10,701.30	-1,826.01	5,546.62	5,316.33	230.30	24.085		
12,900.00	8,067.96	8,076.96	8,076.96	109.02	162.06	90.00	-10,701.30	-1,826.01	5,459.31	5,227.57	231.74	23.558		
13,000.00	8,067.96	8,076.96	8,076.96	110.71	162.06	90.00	-10,701.30	-1,826.01	5,372.44	5,139.20	233.24	23.034		
13,100.00	8,067.96	8,076.96	8,076.96	112.41	162.06	90.00	-10,701.30	-1,826.01	5,286.03	5,051.24	234.79	22.514		
13,200.00	8,067.96	8,076.96	8,076.96	114.11	162.06	90.00	-10,701.30	-1,826.01	5,200.11	4,963.72	236.39	21.998		
13,300.00	8,067.96	8,076.96	8,076.96	115.81	162.06	90.00	-10,701.30	-1,826.01	5,114.70	4,876.66	238.04	21.487		
13,400.00	8,067.96	8,076.96	8,076.96	117.52	162.06	90.00	-10,701.30	-1,826.01	5,029.83	4,790.07	239.75	20.979		
13,500.00	8,067.96	8,076.96	8,076.96	119.22	162.06	90.00	-10,701.30	-1,826.01	4,945.52	4,704.00	241.52	20.477		
13,600.00	8,067.96	8,076.96	8,076.96	120.93	162.06	90.00	-10,701.30	-1,826.01	4,861.81	4,618.47	243.34	19.979		
13,700.00	8,067.96	8,076.96	8,076.96	122.64	162.06	90.00	-10,701.30	-1,826.01	4,778.72	4,533.50	245.23	19.487		
13,800.00	8,067.96	8,076.96	8,076.96	124.35	162.06	90.00	-10,701.30	-1,826.01	4,696.30	4,449.12	247.18	19.000		
13,900.00	8,067.96	8,076.96	8,076.96	126.06	162.06	90.00	-10,701.30	-1,826.01	4,614.57	4,365.38	249.19	18.518		
14,000.00	8,067.96	8,076.96	8,076.96	127.78	162.06	90.00	-10,701.30	-1,826.01	4,533.57	4,282.30	251.27	18.043		
14,100.00	8,067.96	8,076.96	8,076.96	129.50	162.06	90.00	-10,701.30	-1,826.01	4,453.34	4,199.93	253.41	17.574		
14,200.00	8,067.96	8,076.96	8,076.96	131.21	162.06	90.00	-10,701.30	-1,826.01	4,373.93	4,118.31	255.63	17.111		
14,300.00	8,067.96	8,076.96	8,076.96	132.93	162.06	90.00	-10,701.30	-1,826.01	4,295.38	4,037.47	257.91	16.654		
14,400.00	8,067.96	8,076.96	8,076.96	134.65	162.06	90.00	-10,701.30	-1,826.01	4,217.74	3,957.47	260.27	16.205		
14,500.00	8,067.96	8,076.96	8,076.96	136.38	162.06	90.00	-10,701.30	-1,826.01	4,141.06	3,878.36	262.70	15.763		
14,600.00	8,067.96	8,076.96	8,076.96	138.10	162.06	90.00	-10,701.30	-1,826.01	4,065.39	3,800.18	265.20	15.329		
14,700.00	8,067.96	8,076.96	8,076.96	139.82	162.06	90.00	-10,701.30	-1,826.01	3,990.79	3,723.01	267.78	14.903		
14,800.00	8,067.96	8,076.96	8,076.96	141.55	162.06	90.00	-10,701.30	-1,826.01	3,917.33	3,646.89	270.44	14.485		
14,900.00	8,067.96	8,076.96	8,076.96	143.28	162.06	90.00	-10,701.30	-1,826.01	3,845.06	3,571.89	273.17	14.076		
15,000.00	8,067.96	8,076.96	8,076.96	145.00	162.06	90.00	-10,701.30	-1,826.01	3,774.05	3,498.08	275.97	13.676		
15,100.00	8,067.96	8,076.96	8,076.96	146.73	162.06	90.00	-10,701.30	-1,826.01	3,704.39	3,425.54	278.85	13.285		
15,200.00	8,067.96	8,076.96	8,076.96	148.46	162.06	90.00	-10,701.30	-1,826.01	3,636.14	3,354.35	281.80	12.903		
15,300.00	8,067.96	8,076.96	8,076.96	150.19	162.06	90.00	-10,701.30	-1,826.01	3,569.39	3,284.58	284.82	12.532		
15,400.00	8,067.96	8,076.96	8,076.96	151.93	162.06	90.00	-10,701.30	-1,826.01	3,504.23	3,216.32	287.90	12.172		
15,500.00	8,067.96	8,076.96	8,076.96	153.66	162.06	90.00	-10,701.30	-1,826.01	3,440.73	3,149.68	291.05	11.822		
15,600.00	8,067.96	8,076.96	8,076.96	155.39	162.06	90.00	-10,701.30	-1,826.01	3,379.00	3,084.74	294.26	11.483		
15,700.00	8,067.97	8,076.97	8,076.97	157.13	162.06	90.00	-10,701.30	-1,826.01	3,319.14	3,021.62	297.51	11.156		
15,800.00	8,067.97	8,076.97	8,076.97	158.86	162.06	90.00	-10,701.30	-1,826.01	3,261.24	2,960.43	300.82	10.841		
15,900.00	8,067.97	8,076.97	8,076.97	160.60	162.06	90.00	-10,701.30	-1,826.01	3,205.42	2,901.27	304.16	10.539		
16,000.00	8,067.97	8,076.97	8,076.97	162.34	162.06	90.00	-10,701.30	-1,826.01	3,151.79	2,844.27	307.52	10.249		
16,100.00	8,067.97	8,076.97	8,076.97	164.08	162.06	90.00	-10,701.30	-1,826.01	3,100.45	2,789.55	310.90	9.972		
16,200.00	8,067.97	8,076.97	8,076.97	165.81	162.06	90.00	-10,701.30	-1,826.01	3,051.53	2,737.25	314.28	9.710		
16,300.00	8,067.97	8,076.97	8,076.97	167.55	162.06	90.00	-10,701.30	-1,826.01	3,005.14	2,687.49	317.65	9.460		
16,400.00	8,067.97	8,076.97	8,076.97	169.29	162.06	90.00	-10,701.30	-1,826.01	2,961.40	2,640.41	320.99	9.226		
16,500.00	8,067.97	8,076.97	8,076.97	171.04	162.06	90.00	-10,701.30	-1,826.01	2,920.43	2,596.14	324.29	9.006		
16,600.00	8,067.98	8,076.98	8,076.98	172.78	162.06	90.00	-10,701.30	-1,826.01	2,882.35	2,554.83	327.53	8.800		
16,700.00	8,067.98	8,076.98	8,076.98	174.52	162.06	90.00	-10,701.30	-1,826.01	2,847.28	2,516.60	330.68	8.610		
16,800.00	8,067.98	8,076.98	8,076.98	176.26	162.06	90.00	-10,701.30	-1,826.01	2,815.32	2,481.59	333.73	8.436		
16,900.00	8,067.98	8,076.98	8,076.98	178.01	162.06	90.00	-10,701.30	-1,826.01	2,786.59	2,449.93	336.65	8.277		
17,000.00	8,067.98	8,076.98	8,076.98	179.75	162.06	90.00	-10,701.30	-1,826.01	2,761.18	2,421.74	339.44	8.135		
17,100.00	8,067.98	8,076.98	8,076.98	181.49	162.06	90.00	-10,701.30	-1,826.01	2,739.19	2,397.13	342.06	8.008		
17,200.00	8,067.98	8,076.98	8,076.98	183.24	162.06	90.00	-10,701.30	-1,826.01	2,720.69	2,376.20	344.49	7.898		
17,300.00	8,067.99	8,076.99	8,076.99	184.99	162.06	90.00	-10,701.30	-1,826.01	2,705.77	2,359.05	346.72	7.804		
17,400.00	8,067.99	8,076.99	8,076.99	186.73	162.06	90.00	-10,701.30	-1,826.01	2,694.48	2,345.74	348.74	7.726		
17,500.00	8,067.99	8,076.99	8,076.99	188.48	162.06	90.00	-10,701.30	-1,826.01	2,686.87	2,336.35	350.52	7.665		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> Sec 4-T1N-R68W - EXIST VERT NORDSTROM 2-4 - Wellbore #1 - Design #1												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 0-INC												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
17,600.00	8,067.99	8,076.99	8,076.99	190.23	162.06	90.00	-10,701.30	-1,826.01	2,682.97	2,330.90	352.06	7.621	
17,654.81	8,067.99	8,076.99	8,076.99	191.18	162.06	90.00	-10,701.30	-1,826.01	2,682.41	2,329.61	352.80	7.603	CC
17,700.00	8,067.99	8,076.99	8,076.99	191.97	162.06	90.00	-10,701.30	-1,826.01	2,682.79	2,329.44	353.35	7.592	ES
17,800.00	8,067.99	8,076.99	8,076.99	193.72	162.06	90.00	-10,701.30	-1,826.01	2,686.34	2,331.95	354.38	7.580	SF
17,900.00	8,068.00	8,077.00	8,077.00	195.47	162.06	90.00	-10,701.30	-1,826.01	2,693.59	2,338.44	355.15	7.584	
18,000.00	8,068.00	8,077.00	8,077.00	197.22	162.06	90.00	-10,701.30	-1,826.01	2,704.53	2,348.87	355.66	7.604	
18,100.00	8,068.00	8,077.00	8,077.00	198.97	162.06	90.00	-10,701.30	-1,826.01	2,719.10	2,363.18	355.92	7.640	
18,184.63	8,068.00	8,077.00	8,077.00	200.45	162.06	90.00	-10,701.30	-1,826.01	2,734.23	2,378.29	355.94	7.682	
18,185.16	8,068.00	8,077.00	8,077.00	200.47	162.06	90.00	-10,701.30	-1,826.01	2,734.34	2,378.38	355.95	7.682	



# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design      Sec 4-T1N-R68W - EXIST VERT NORDSTROM 5-4 - 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		
0.00	0.00	0.00	0.00	0.00	0.00	175.96	-9,698.15	684.28	9,722.30					
100.00	100.00	73.00	73.00	0.13	0.85	175.96	-9,698.15	684.28	9,722.26	9,721.28	0.98	9,920.953		
200.00	200.00	173.00	173.00	0.49	2.84	175.96	-9,698.15	684.28	9,722.26	9,718.93	3.33	2,920.355		
300.00	300.00	273.00	273.00	0.85	4.97	175.96	-9,698.15	684.28	9,722.26	9,716.43	5.83	1,668.800		
400.00	400.00	373.00	373.00	1.21	7.03	175.96	-9,698.15	684.28	9,722.26	9,714.02	8.24	1,180.369		
500.00	500.00	473.00	473.00	1.57	9.06	175.96	-9,698.15	684.28	9,722.26	9,711.63	10.63	914.796		
600.00	600.00	573.00	573.00	1.93	11.08	175.96	-9,698.15	684.28	9,722.26	9,709.25	13.01	747.248		
700.00	700.00	673.00	673.00	2.29	13.10	175.96	-9,698.15	684.28	9,722.26	9,706.87	15.39	631.747		
800.00	800.00	773.00	773.00	2.64	15.12	175.96	-9,698.15	684.28	9,722.26	9,704.49	17.77	547.250		
900.00	900.00	873.00	873.00	3.00	17.14	175.96	-9,698.15	684.28	9,722.26	9,702.12	20.14	482.728		
1,000.00	1,000.00	973.00	973.00	3.36	19.15	175.96	-9,698.15	684.28	9,722.26	9,699.75	22.51	431.837		
1,100.00	1,100.00	1,073.00	1,073.00	3.72	21.17	175.96	-9,698.15	684.28	9,722.26	9,697.37	24.89	390.665		
1,200.00	1,200.00	1,173.00	1,173.00	4.08	23.18	175.96	-9,698.15	684.28	9,722.26	9,695.00	27.26	356.668		
1,300.00	1,299.98	1,272.98	1,272.98	4.42	25.19	34.84	-9,698.15	684.28	9,720.83	9,691.21	29.61	328.246		
1,400.00	1,399.84	1,372.84	1,372.84	4.75	27.20	34.90	-9,698.15	684.28	9,716.53	9,684.58	31.96	304.053		
1,500.00	1,499.45	1,472.45	1,472.45	5.09	29.21	35.02	-9,698.15	684.28	9,709.38	9,675.08	34.30	283.078		
1,600.00	1,598.70	1,571.70	1,571.70	5.44	31.21	35.17	-9,698.15	684.28	9,699.38	9,662.74	36.64	264.720		
1,700.00	1,697.47	1,670.47	1,670.47	5.81	33.19	35.38	-9,698.15	684.28	9,686.56	9,647.58	38.98	248.513		
1,800.00	1,795.62	1,768.62	1,768.62	6.19	35.17	35.62	-9,698.15	684.28	9,670.93	9,629.62	41.31	234.096		
1,846.33	1,840.86	1,813.86	1,813.86	6.38	36.08	35.76	-9,698.15	684.28	9,662.74	9,620.35	42.39	227.935		
1,900.00	1,893.17	1,866.17	1,866.17	6.60	37.13	35.80	-9,698.15	684.28	9,652.92	9,609.28	43.64	221.182		
2,000.00	1,990.64	1,963.64	1,963.64	7.02	39.09	35.87	-9,698.15	684.28	9,634.63	9,588.65	45.98	209.558		
2,100.00	2,088.10	2,061.10	2,061.10	7.46	41.05	35.95	-9,698.15	684.28	9,616.35	9,568.03	48.32	199.029		
2,200.00	2,185.57	2,158.57	2,158.57	7.91	43.01	36.03	-9,698.15	684.28	9,598.09	9,547.43	50.66	189.450		
2,300.00	2,283.03	2,256.03	2,256.03	8.37	44.97	36.11	-9,698.15	684.28	9,579.85	9,526.84	53.01	180.701		
2,400.00	2,380.50	2,353.50	2,353.50	8.84	46.93	36.19	-9,698.15	684.28	9,561.63	9,506.26	55.37	172.682		
2,500.00	2,477.97	2,450.96	2,450.96	9.32	48.90	36.26	-9,698.15	684.28	9,543.42	9,485.69	57.73	165.306		
2,600.00	2,575.43	2,548.43	2,548.43	9.80	50.86	36.34	-9,698.15	684.28	9,525.23	9,465.14	60.10	158.501		
2,700.00	2,672.90	2,645.90	2,645.90	10.28	52.82	36.42	-9,698.15	684.28	9,507.06	9,444.60	62.46	152.203		
2,800.00	2,770.36	2,743.36	2,743.36	10.77	54.78	36.50	-9,698.15	684.28	9,488.91	9,424.08	64.83	146.359		
2,900.00	2,867.83	2,840.83	2,840.83	11.26	56.74	36.58	-9,698.15	684.28	9,470.78	9,403.57	67.21	140.922		
3,000.00	2,965.29	2,938.29	2,938.29	11.76	58.70	36.66	-9,698.15	684.28	9,452.66	9,383.08	69.58	135.852		
3,100.00	3,062.76	3,035.76	3,035.76	12.26	60.66	36.74	-9,698.15	684.28	9,434.56	9,362.60	71.96	131.113		
3,200.00	3,160.23	3,133.23	3,133.23	12.76	62.62	36.82	-9,698.15	684.28	9,416.48	9,342.14	74.34	126.673		
3,300.00	3,257.69	3,230.69	3,230.69	13.27	64.58	36.90	-9,698.15	684.28	9,398.42	9,321.70	76.72	122.507		
3,400.00	3,355.16	3,328.16	3,328.16	13.77	66.54	36.99	-9,698.15	684.28	9,380.38	9,301.28	79.10	118.589		
3,500.00	3,452.62	3,425.62	3,425.62	14.28	68.50	37.07	-9,698.15	684.28	9,362.35	9,280.87	81.48	114.898		
3,600.00	3,550.09	3,523.09	3,523.09	14.79	70.46	37.15	-9,698.15	684.28	9,344.35	9,260.48	83.87	111.415		
3,700.00	3,647.55	3,620.55	3,620.55	15.30	72.42	37.23	-9,698.15	684.28	9,326.36	9,240.11	86.26	108.124		
3,800.00	3,745.02	3,718.02	3,718.02	15.81	74.38	37.31	-9,698.15	684.28	9,308.39	9,219.75	88.64	105.008		
3,900.00	3,842.49	3,815.49	3,815.49	16.32	76.34	37.40	-9,698.15	684.28	9,290.45	9,199.41	91.03	102.055		
4,000.00	3,939.95	3,912.95	3,912.95	16.84	78.30	37.48	-9,698.15	684.28	9,272.52	9,179.09	93.42	99.252		
4,100.00	4,037.42	4,010.42	4,010.42	17.35	80.26	37.56	-9,698.15	684.28	9,254.61	9,158.79	95.82	96.587		
4,200.00	4,134.88	4,107.88	4,107.88	17.87	82.22	37.65	-9,698.15	684.28	9,236.72	9,138.51	98.21	94.052		
4,300.00	4,232.35	4,205.35	4,205.35	18.39	84.18	37.73	-9,698.15	684.28	9,218.85	9,118.25	100.60	91.637		
4,400.00	4,329.81	4,302.81	4,302.81	18.90	86.14	37.82	-9,698.15	684.28	9,201.00	9,098.00	103.00	89.333		
4,500.00	4,427.28	4,400.28	4,400.28	19.42	88.10	37.90	-9,698.15	684.28	9,183.17	9,077.77	105.39	87.133		
4,600.00	4,524.75	4,502.26	4,497.75	19.94	90.15	37.99	-9,698.15	684.28	9,165.35	9,057.48	107.88	84.959		
4,700.00	4,622.21	4,604.79	4,595.21	20.46	92.21	38.07	-9,698.15	684.28	9,147.56	9,037.18	110.38	82.874		
4,800.00	4,719.68	4,707.32	4,692.68	20.98	94.28	38.16	-9,698.15	684.28	9,129.79	9,016.91	112.88	80.881		
4,900.00	4,817.14	4,809.86	4,790.14	21.50	96.34	38.24	-9,698.15	684.28	9,112.04	8,996.66	115.38	78.974		
5,000.00	4,914.61	4,887.61	4,887.61	22.02	97.90	38.33	-9,698.15	684.28	9,094.31	8,976.93	117.38	77.476		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
5,100.00	5,012.07	4,985.07	4,985.07	22.54	99.86	38.42	-9,698.15	684.28	9,076.60	8,956.82	119.78	75.775		
5,200.00	5,109.54	5,082.54	5,082.54	23.06	101.82	38.50	-9,698.15	684.28	9,058.91	8,936.73	122.18	74.141		
5,300.00	5,207.01	5,180.01	5,180.01	23.59	103.78	38.59	-9,698.15	684.28	9,041.24	8,916.66	124.59	72.570		
5,400.00	5,304.47	5,277.47	5,277.47	24.11	105.74	38.68	-9,698.15	684.28	9,023.60	8,896.61	126.99	71.058		
5,500.00	5,401.94	5,374.94	5,374.94	24.63	107.70	38.77	-9,698.15	684.28	9,005.97	8,876.58	129.39	69.601		
5,600.00	5,499.40	5,472.40	5,472.40	25.16	109.66	38.85	-9,698.15	684.28	8,988.36	8,856.57	131.80	68.198		
5,700.00	5,596.87	5,569.87	5,569.87	25.68	111.62	38.94	-9,698.15	684.28	8,970.78	8,836.58	134.20	66.845		
5,800.00	5,694.33	5,667.33	5,667.33	26.20	113.58	39.03	-9,698.15	684.28	8,953.22	8,816.61	136.61	65.539		
5,900.00	5,791.80	5,764.80	5,764.80	26.73	115.54	39.12	-9,698.15	684.28	8,935.68	8,796.66	139.02	64.278		
6,000.00	5,889.27	5,862.27	5,862.27	27.25	117.50	39.21	-9,698.15	684.28	8,918.16	8,776.73	141.42	63.060		
6,100.00	5,986.73	5,959.73	5,959.73	27.78	119.46	39.30	-9,698.15	684.28	8,900.66	8,756.83	143.83	61.883		
6,200.00	6,084.20	6,057.20	6,057.20	28.30	121.42	39.39	-9,698.15	684.28	8,883.18	8,736.94	146.24	60.744		
6,300.00	6,181.66	6,154.66	6,154.66	28.82	123.38	39.48	-9,698.15	684.28	8,865.73	8,717.08	148.65	59.643		
6,400.00	6,279.13	6,252.13	6,252.13	29.35	125.34	39.57	-9,698.15	684.28	8,848.29	8,697.24	151.06	58.576		
6,500.00	6,376.59	6,349.59	6,349.59	29.88	127.30	39.67	-9,698.15	684.28	8,830.89	8,677.42	153.47	57.542		
6,600.00	6,474.06	6,447.06	6,447.06	30.40	129.26	39.76	-9,698.15	684.28	8,813.50	8,657.62	155.88	56.541		
6,700.00	6,571.53	6,544.53	6,544.53	30.93	131.22	39.85	-9,698.15	684.28	8,796.13	8,637.84	158.29	55.569		
6,800.00	6,668.99	6,641.99	6,641.99	31.45	133.18	39.94	-9,698.15	684.28	8,778.79	8,618.09	160.70	54.627		
6,887.36	6,754.14	6,727.14	6,727.14	31.91	134.89	40.02	-9,698.15	684.28	8,763.66	8,600.85	162.81	53.827		
6,900.00	6,766.46	6,739.46	6,739.46	31.98	135.14	40.01	-9,698.15	684.28	8,761.49	8,598.38	163.12	53.713		
7,000.00	6,864.39	6,837.39	6,837.39	32.48	137.11	39.89	-9,698.15	684.28	8,745.85	8,580.32	165.53	52.837		
7,100.00	6,962.96	6,935.96	6,935.96	32.94	139.09	39.79	-9,698.15	684.28	8,732.87	8,564.94	167.92	52.005		
7,200.00	7,062.06	7,035.06	7,035.06	33.36	141.09	39.71	-9,698.15	684.28	8,722.56	8,552.25	170.31	51.216		
7,300.00	7,161.57	7,134.57	7,134.57	33.74	143.09	39.66	-9,698.15	684.28	8,714.94	8,542.26	172.68	50.469		
7,400.00	7,261.36	7,234.36	7,234.36	34.08	145.09	39.62	-9,698.15	684.28	8,710.00	8,534.97	175.03	49.762		
7,500.00	7,361.31	7,334.31	7,334.31	34.39	147.10	39.60	-9,698.15	684.28	8,707.75	8,530.39	177.36	49.095		
7,533.69	7,395.00	7,368.00	7,368.00	34.48	147.78	-179.25	-9,698.15	684.28	8,707.60	8,529.46	178.14	48.880		
7,600.00	7,461.31	7,434.31	7,434.31	34.65	149.12	-179.25	-9,698.15	684.28	8,707.60	8,527.93	179.67	48.466		
7,633.69	7,495.00	7,468.00	7,468.00	34.73	149.79	-179.25	-9,698.15	684.28	8,707.60	8,527.16	180.44	48.258		
7,650.00	7,511.31	7,484.31	7,484.31	34.78	150.12	1.09	-9,698.15	684.28	8,707.37	8,526.55	180.82	48.156		
7,700.00	7,561.16	7,534.16	7,534.16	34.94	151.12	1.10	-9,698.15	684.28	8,703.77	8,521.79	181.97	47.829		
7,750.00	7,610.51	7,583.51	7,583.51	35.14	152.12	1.12	-9,698.15	684.28	8,695.84	8,512.71	183.13	47.484		
7,800.00	7,658.98	7,631.98	7,631.98	35.37	153.09	1.14	-9,698.15	684.28	8,683.64	8,499.36	184.28	47.123		
7,850.00	7,706.21	7,679.21	7,679.21	35.64	154.04	1.18	-9,698.15	684.28	8,667.26	8,481.86	185.40	46.749		
7,900.00	7,751.82	7,724.82	7,724.82	35.93	154.96	1.23	-9,698.15	684.28	8,646.83	8,460.34	186.49	46.366		
7,950.00	7,795.49	7,768.49	7,768.49	36.26	155.84	1.29	-9,698.15	684.28	8,622.50	8,434.97	187.54	45.977		
8,000.00	7,836.86	7,809.86	7,809.86	36.62	156.67	1.38	-9,698.15	684.28	8,594.47	8,405.93	188.54	45.585		
8,050.00	7,875.64	7,848.64	7,848.64	37.00	157.45	1.48	-9,698.15	684.28	8,562.93	8,373.46	189.47	45.193		
8,100.00	7,911.52	7,884.52	7,884.52	37.42	158.17	1.62	-9,698.15	684.28	8,528.13	8,337.79	190.34	44.804		
8,150.00	7,944.22	7,917.22	7,917.22	37.86	158.83	1.80	-9,698.15	684.28	8,490.35	8,299.21	191.14	44.420		
8,200.00	7,973.51	7,946.51	7,946.51	38.32	159.42	2.04	-9,698.15	684.28	8,449.85	8,258.00	191.85	44.044		
8,250.00	7,999.16	7,972.16	7,972.16	38.81	159.93	2.38	-9,698.15	684.28	8,406.96	8,214.48	192.47	43.678		
8,300.00	8,020.98	8,006.02	7,993.98	39.31	160.61	2.86	-9,698.15	684.28	8,361.99	8,168.74	193.25	43.271		
8,350.00	8,038.79	8,011.79	8,011.79	39.84	160.73	3.62	-9,698.15	684.28	8,315.30	8,121.86	193.44	42.986		
8,400.00	8,052.46	8,025.46	8,025.46	40.38	161.00	4.96	-9,698.15	684.28	8,267.23	8,073.45	193.78	42.664		
8,450.00	8,061.89	8,034.89	8,034.89	40.93	161.19	7.89	-9,698.15	684.28	8,218.15	8,024.14	194.01	42.359		
8,500.00	8,067.01	8,040.01	8,040.01	41.49	161.30	19.03	-9,698.15	684.28	8,168.44	7,974.29	194.15	42.073		
8,533.77	8,068.00	8,041.00	8,041.00	41.88	161.32	90.05	-9,698.15	684.28	8,134.70	7,940.52	194.18	41.892		
8,600.00	8,068.00	8,041.00	8,041.00	42.64	161.32	90.05	-9,698.15	684.28	8,068.48	7,874.28	194.20	41.547		
8,700.00	8,068.00	8,041.00	8,041.00	43.82	161.32	90.05	-9,698.15	684.28	7,968.50	7,774.27	194.24	41.025		
8,800.00	8,068.00	8,041.00	8,041.00	45.04	161.32	90.05	-9,698.15	684.28	7,868.53	7,674.25	194.27	40.503		
8,900.00	8,067.99	8,040.99	8,040.99	46.30	161.32	90.05	-9,698.15	684.28	7,768.55	7,574.24	194.31	39.980		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,000.00	8,067.99	8,040.99	8,040.99	47.59	161.32	90.04	-9,698.15	684.28	7,668.57	7,474.23	194.35	39.458		
9,100.00	8,067.99	8,040.99	8,040.99	48.91	161.32	90.04	-9,698.15	684.28	7,568.60	7,374.21	194.39	38.936		
9,200.00	8,067.99	8,040.99	8,040.99	50.26	161.32	90.04	-9,698.15	684.28	7,468.62	7,274.19	194.43	38.414		
9,300.00	8,067.99	8,040.99	8,040.99	51.63	161.32	90.04	-9,698.15	684.28	7,368.64	7,174.18	194.47	37.891		
9,400.00	8,067.99	8,040.99	8,040.99	53.03	161.32	90.04	-9,698.15	684.28	7,268.67	7,074.16	194.51	37.369		
9,500.00	8,067.98	8,040.98	8,040.98	54.44	161.32	90.04	-9,698.15	684.28	7,168.70	6,974.14	194.56	36.846		
9,600.00	8,067.98	8,040.98	8,040.98	55.88	161.32	90.04	-9,698.15	684.28	7,068.72	6,874.12	194.60	36.324		
9,700.00	8,067.98	8,040.98	8,040.98	57.34	161.32	90.03	-9,698.15	684.28	6,968.75	6,774.10	194.65	35.801		
9,800.00	8,067.98	8,040.98	8,040.98	58.81	161.32	90.03	-9,698.15	684.28	6,868.78	6,674.08	194.70	35.279		
9,900.00	8,067.98	8,040.98	8,040.98	60.31	161.32	90.03	-9,698.15	684.28	6,768.81	6,574.06	194.75	34.756		
10,000.00	8,067.98	8,040.98	8,040.98	61.81	161.32	90.03	-9,698.15	684.28	6,668.84	6,474.04	194.80	34.234		
10,100.00	8,067.98	8,040.98	8,040.98	63.33	161.32	90.03	-9,698.15	684.28	6,568.87	6,374.01	194.86	33.711		
10,200.00	8,067.97	8,040.97	8,040.97	64.86	161.32	90.03	-9,698.15	684.28	6,468.90	6,273.99	194.92	33.188		
10,300.00	8,067.97	8,040.97	8,040.97	66.41	161.32	90.03	-9,698.15	684.28	6,368.94	6,173.97	194.97	32.666		
10,400.00	8,067.97	8,040.97	8,040.97	67.96	161.32	90.02	-9,698.15	684.28	6,268.97	6,073.94	195.03	32.143		
10,500.00	8,067.97	8,040.97	8,040.97	69.53	161.32	90.02	-9,698.15	684.28	6,169.01	5,973.91	195.09	31.621		
10,600.00	8,067.97	8,040.97	8,040.97	71.10	161.32	90.02	-9,698.15	684.28	6,069.04	5,873.89	195.16	31.098		
10,700.00	8,067.97	8,040.97	8,040.97	72.69	161.32	90.02	-9,698.15	684.28	5,969.08	5,773.86	195.22	30.576		
10,800.00	8,067.97	8,040.97	8,040.97	74.28	161.32	90.02	-9,698.15	684.28	5,869.12	5,673.83	195.29	30.053		
10,900.00	8,067.97	8,040.97	8,040.97	75.88	161.32	90.02	-9,698.15	684.28	5,769.16	5,573.80	195.36	29.531		
11,000.00	8,067.97	8,040.97	8,040.97	77.49	161.32	90.02	-9,698.15	684.28	5,669.21	5,473.77	195.43	29.009		
11,100.00	8,067.97	8,040.97	8,040.97	79.10	161.32	90.02	-9,698.15	684.28	5,569.25	5,373.74	195.51	28.486		
11,200.00	8,067.96	8,040.96	8,040.96	80.73	161.32	90.02	-9,698.15	684.28	5,469.29	5,273.71	195.58	27.964		
11,300.00	8,067.96	8,040.96	8,040.96	82.35	161.32	90.01	-9,698.15	684.28	5,369.34	5,173.68	195.66	27.442		
11,400.00	8,067.96	8,040.96	8,040.96	83.99	161.32	90.01	-9,698.15	684.28	5,269.39	5,073.65	195.74	26.920		
11,500.00	8,067.96	8,040.96	8,040.96	85.63	161.32	90.01	-9,698.15	684.28	5,169.44	4,973.61	195.83	26.398		
11,600.00	8,067.96	8,040.96	8,040.96	87.27	161.32	90.01	-9,698.15	684.28	5,069.49	4,873.58	195.91	25.876		
11,700.00	8,067.96	8,040.96	8,040.96	88.92	161.32	90.01	-9,698.15	684.28	4,969.55	4,773.55	196.00	25.355		
11,800.00	8,067.96	8,040.96	8,040.96	90.58	161.32	90.01	-9,698.15	684.28	4,869.60	4,673.51	196.09	24.833		
11,900.00	8,067.96	8,040.96	8,040.96	92.23	161.32	90.01	-9,698.15	684.28	4,769.66	4,573.47	196.19	24.311		
12,000.00	8,067.96	8,040.96	8,040.96	93.90	161.32	90.01	-9,698.15	684.28	4,669.73	4,473.44	196.29	23.790		
12,100.00	8,067.96	8,040.96	8,040.96	95.56	161.32	90.01	-9,698.15	684.28	4,569.79	4,373.40	196.39	23.269		
12,200.00	8,067.96	8,040.96	8,040.96	97.23	161.32	90.01	-9,698.15	684.28	4,469.86	4,273.36	196.50	22.748		
12,300.00	8,067.96	8,040.96	8,040.96	98.91	161.32	90.01	-9,698.15	684.28	4,369.93	4,173.32	196.61	22.227		
12,400.00	8,067.96	8,040.96	8,040.96	100.59	161.32	90.01	-9,698.15	684.28	4,270.00	4,073.28	196.72	21.706		
12,500.00	8,067.96	8,040.96	8,040.96	102.27	161.32	90.00	-9,698.15	684.28	4,170.08	3,973.24	196.84	21.185		
12,600.00	8,067.96	8,040.96	8,040.96	103.95	161.32	90.00	-9,698.15	684.28	4,070.16	3,873.20	196.96	20.664		
12,700.00	8,067.96	8,040.96	8,040.96	105.64	161.32	90.00	-9,698.15	684.28	3,970.25	3,773.15	197.09	20.144		
12,800.00	8,067.96	8,040.96	8,040.96	107.33	161.32	90.00	-9,698.15	684.28	3,870.34	3,673.11	197.23	19.624		
12,900.00	8,067.96	8,040.96	8,040.96	109.02	161.32	90.00	-9,698.15	684.28	3,770.43	3,573.06	197.37	19.104		
13,000.00	8,067.96	8,040.96	8,040.96	110.71	161.32	90.00	-9,698.15	684.28	3,670.53	3,473.02	197.51	18.584		
13,100.00	8,067.96	8,040.96	8,040.96	112.41	161.32	90.00	-9,698.15	684.28	3,570.64	3,372.97	197.67	18.064		
13,200.00	8,067.96	8,040.96	8,040.96	114.11	161.32	90.00	-9,698.15	684.28	3,470.75	3,272.92	197.83	17.544		
13,300.00	8,067.96	8,040.96	8,040.96	115.81	161.32	90.00	-9,698.15	684.28	3,370.87	3,172.87	198.00	17.025		
13,400.00	8,067.96	8,040.96	8,040.96	117.52	161.32	90.00	-9,698.15	684.28	3,270.99	3,072.81	198.18	16.505		
13,500.00	8,067.96	8,040.96	8,040.96	119.22	161.32	90.00	-9,698.15	684.28	3,171.12	2,972.76	198.36	15.986		
13,600.00	8,067.96	8,040.96	8,040.96	120.93	161.32	90.00	-9,698.15	684.28	3,071.26	2,872.70	198.56	15.467		
13,700.00	8,067.96	8,040.96	8,040.96	122.64	161.32	90.00	-9,698.15	684.28	2,971.42	2,772.64	198.77	14.949		
13,800.00	8,067.96	8,040.96	8,040.96	124.35	161.32	90.00	-9,698.15	684.28	2,871.58	2,672.58	199.00	14.430		
13,900.00	8,067.96	8,040.96	8,040.96	126.06	161.32	90.00	-9,698.15	684.28	2,771.75	2,572.51	199.24	13.912		
14,000.00	8,067.96	8,040.96	8,040.96	127.78	161.32	90.00	-9,698.15	684.28	2,671.94	2,472.45	199.49	13.394		
14,100.00	8,067.96	8,040.96	8,040.96	129.50	161.32	90.00	-9,698.15	684.28	2,572.14	2,372.37	199.77	12.876		

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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design      Sec 4-T1N-R68W - EXIST VERT NORDSTROM 5-4 - 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		
14,200.00	8,067.96	8,040.96	8,040.96	131.21	161.32	90.00	-9,698.15	684.28	2,472.36	2,272.29	200.06	12.358		
14,300.00	8,067.96	8,040.96	8,040.96	132.93	161.32	90.00	-9,698.15	684.28	2,372.59	2,172.21	200.38	11.840		
14,400.00	8,067.96	8,040.96	8,040.96	134.65	161.32	90.00	-9,698.15	684.28	2,272.85	2,072.12	200.73	11.323		
14,500.00	8,067.96	8,040.96	8,040.96	136.38	161.32	90.00	-9,698.15	684.28	2,173.13	1,972.02	201.11	10.806		
14,600.00	8,067.96	8,040.96	8,040.96	138.10	161.32	90.00	-9,698.15	684.28	2,073.43	1,871.91	201.53	10.289		
14,700.00	8,067.96	8,040.96	8,040.96	139.82	161.32	90.00	-9,698.15	684.28	1,973.77	1,771.79	201.99	9.772		
14,800.00	8,067.96	8,040.96	8,040.96	141.55	161.32	90.00	-9,698.15	684.28	1,874.15	1,671.65	202.50	9.255		
14,900.00	8,067.96	8,040.96	8,040.96	143.28	161.32	90.00	-9,698.15	684.28	1,774.56	1,571.49	203.07	8.739		
15,000.00	8,067.96	8,040.96	8,040.96	145.00	161.32	90.00	-9,698.15	684.28	1,675.03	1,471.31	203.71	8.222		
15,100.00	8,067.96	8,040.96	8,040.96	146.73	161.32	90.00	-9,698.15	684.28	1,575.55	1,371.11	204.44	7.706		
15,200.00	8,067.96	8,040.96	8,040.96	148.46	161.32	90.00	-9,698.15	684.28	1,476.15	1,270.86	205.28	7.191		
15,300.00	8,067.96	8,040.96	8,040.96	150.19	161.32	90.00	-9,698.15	684.28	1,376.83	1,170.57	206.26	6.675		
15,400.00	8,067.96	8,040.96	8,040.96	151.93	161.32	90.00	-9,698.15	684.28	1,277.61	1,070.22	207.40	6.160		
15,500.00	8,067.96	8,040.96	8,040.96	153.66	161.32	90.00	-9,698.15	684.28	1,178.54	969.79	208.75	5.646		
15,600.00	8,067.96	8,040.96	8,040.96	155.39	161.32	90.00	-9,698.15	684.28	1,079.63	869.25	210.38	5.132		
15,700.00	8,067.97	8,040.97	8,040.97	157.13	161.32	90.00	-9,698.15	684.28	980.94	768.56	212.38	4.619		
15,800.00	8,067.97	8,040.97	8,040.97	158.86	161.32	90.00	-9,698.15	684.28	882.54	667.67	214.87	4.107		
15,900.00	8,067.97	8,040.97	8,040.97	160.60	161.32	90.00	-9,698.15	684.28	784.56	566.50	218.06	3.598		
16,000.00	8,067.97	8,040.97	8,040.97	162.34	161.32	90.00	-9,698.15	684.28	687.15	464.91	222.24	3.092		
16,100.00	8,067.97	8,040.97	8,040.97	164.08	161.32	90.00	-9,698.15	684.28	590.61	362.71	227.90	2.592		
16,200.00	8,067.97	8,040.97	8,040.97	165.81	161.32	90.00	-9,698.15	684.28	495.45	259.60	235.86	2.101		
16,300.00	8,067.97	8,040.97	8,040.97	167.55	161.32	90.00	-9,698.15	684.28	402.64	155.11	247.53	1.627		
16,400.00	8,067.97	8,040.97	8,040.97	169.29	161.32	90.00	-9,698.15	684.28	314.27	48.86	265.41	1.184	Level 2	
16,500.00	8,067.97	8,040.97	8,040.97	171.04	161.32	90.00	-9,698.15	684.28	235.40	-57.52	292.92	0.804	Level 1	
16,600.00	8,067.98	8,040.98	8,040.98	172.78	161.32	90.00	-9,698.15	684.28	179.05	-147.36	326.41	0.549	Level 1	
16,666.77	8,067.98	8,040.98	8,040.98	173.94	161.32	90.00	-9,698.15	684.28	166.14	-168.64	334.77	0.496	Level 1, CC, ES, SF	
16,700.00	8,067.98	8,040.98	8,040.98	174.52	161.32	90.00	-9,698.15	684.28	169.43	-160.18	329.61	0.514	Level 1	
16,800.00	8,067.98	8,040.98	8,040.98	176.26	161.32	90.00	-9,698.15	684.28	212.96	-79.29	292.25	0.729	Level 1	
16,900.00	8,067.98	8,040.98	8,040.98	178.01	161.32	90.00	-9,698.15	684.28	286.36	28.29	258.07	1.110	Level 2	
17,000.00	8,067.98	8,040.98	8,040.98	179.75	161.32	90.00	-9,698.15	684.28	372.35	135.85	236.50	1.574		
17,100.00	8,067.98	8,040.98	8,040.98	181.49	161.32	90.00	-9,698.15	684.28	464.00	240.73	223.26	2.078		
17,200.00	8,067.98	8,040.98	8,040.98	183.24	161.32	90.00	-9,698.15	684.28	558.52	343.63	214.89	2.599		
17,300.00	8,067.99	8,040.99	8,040.99	184.99	161.32	90.00	-9,698.15	684.28	654.67	445.25	209.41	3.126		
17,400.00	8,067.99	8,040.99	8,040.99	186.73	161.32	90.00	-9,698.15	684.28	751.82	546.09	205.73	3.654		
17,500.00	8,067.99	8,040.99	8,040.99	188.48	161.32	90.00	-9,698.15	684.28	849.64	646.43	203.20	4.181		
17,600.00	8,067.99	8,040.99	8,040.99	190.23	161.32	90.01	-9,698.15	684.28	947.91	746.48	201.43	4.706		
17,700.00	8,067.99	8,040.99	8,040.99	191.97	161.32	90.01	-9,698.15	684.28	1,046.51	846.33	200.18	5.228		
17,800.00	8,067.99	8,040.99	8,040.99	193.72	161.32	90.01	-9,698.15	684.28	1,145.35	946.06	199.28	5.747		
17,900.00	8,068.00	8,041.00	8,041.00	195.47	161.32	90.01	-9,698.15	684.28	1,244.38	1,045.73	198.64	6.264		
18,000.00	8,068.00	8,041.00	8,041.00	197.22	161.32	90.01	-9,698.15	684.28	1,343.55	1,145.36	198.19	6.779		
18,100.00	8,068.00	8,041.00	8,041.00	198.97	161.32	90.01	-9,698.15	684.28	1,442.83	1,244.97	197.86	7.292		
18,184.63	8,068.00	8,041.00	8,041.00	200.45	161.32	90.01	-9,698.15	684.28	1,526.93	1,329.27	197.66	7.725		
18,185.16	8,068.00	8,041.00	8,041.00	200.47	161.32	90.01	-9,698.15	684.28	1,527.46	1,325.75	201.70	7.573		

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to KB 25' @ 5269.00usft

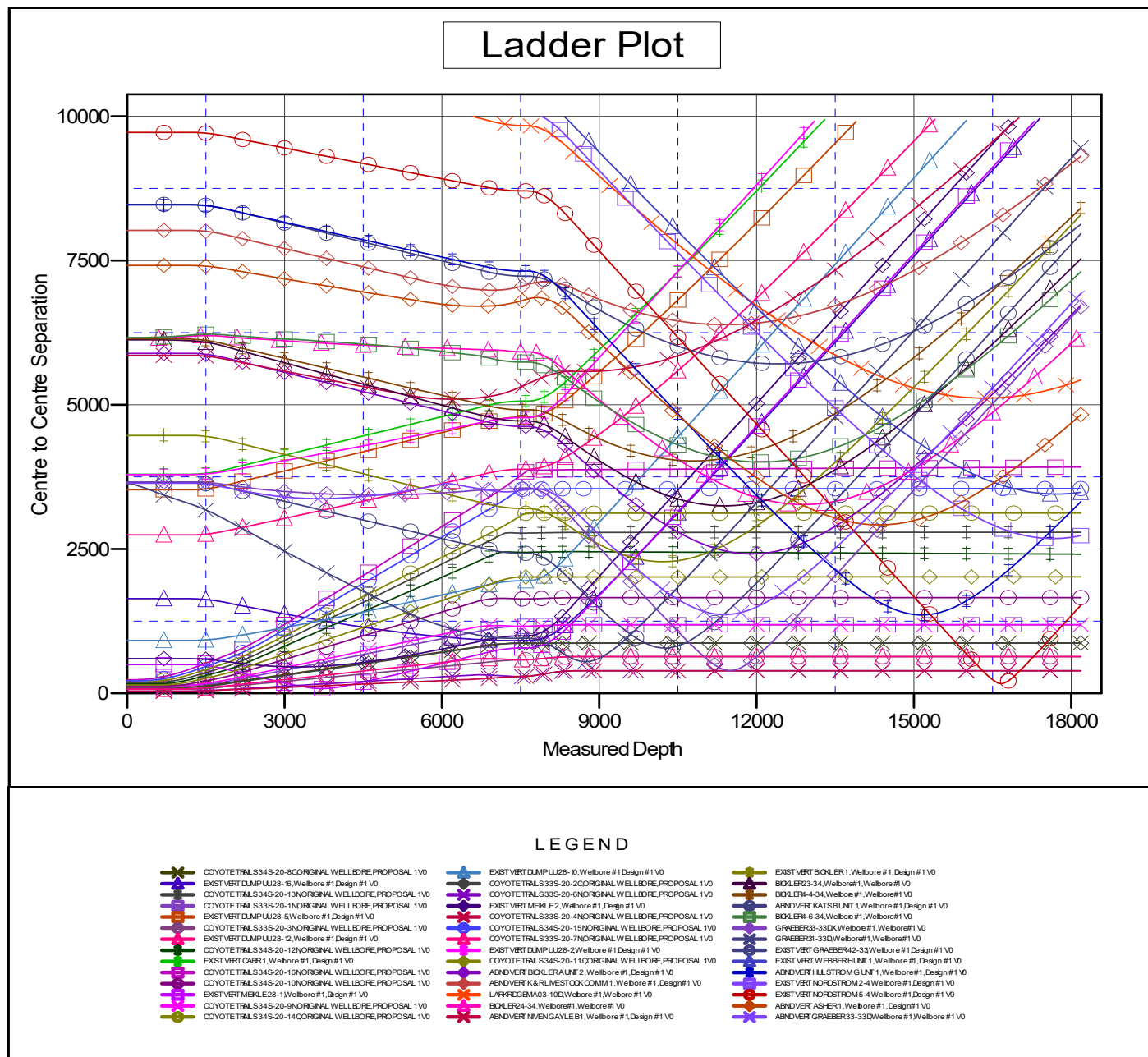
Offset Depths are relative to Offset Datum

Central Meridian is 105° 30' 0.000 W

Coordinates are relative to: COYOTE TRAILS 33S-20-5C

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.32°



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

# Anticollision Report

<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well COYOTE TRAILS 33S-20-5C
<b>Project:</b>	Weld County	<b>TVD Reference:</b>	KB 25' @ 5269.00usft
<b>Reference Site:</b>	Sec 28-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5269.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COYOTE TRAILS 33S-20-5C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to KB 25' @ 5269.00usft

Offset Depths are relative to Offset Datum

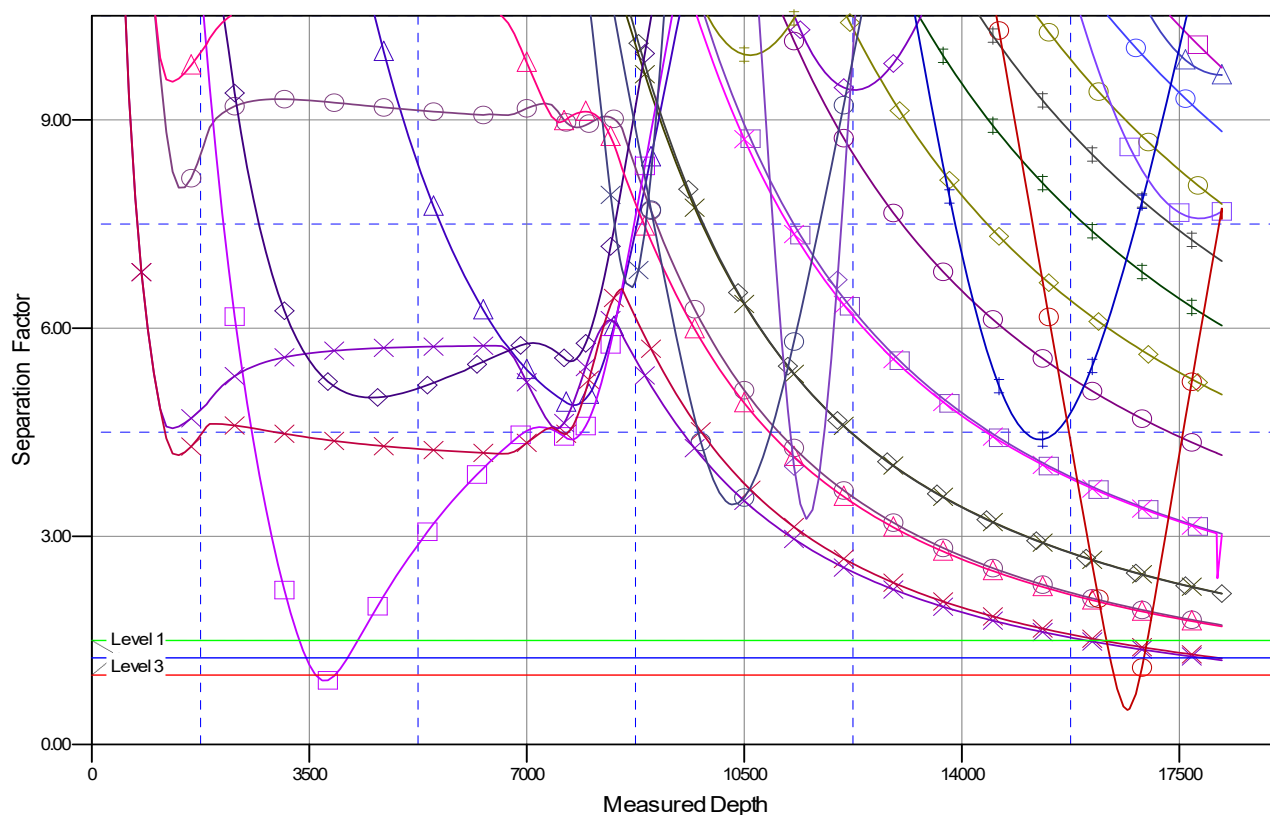
Central Meridian is 105° 30' 0.000 W

Coordinates are relative to: COYOTE TRAILS 33S-20-5C

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.32°

## Separation Factor Plot



### LEGEND

COYOTETRLS34S-20-8CORIGINAL WELLBORE,PROPOSAL 1V0	EXISTVERT DUMPU28-10, Wellbore #1,Design #1 V0	EXISTVERT BOKLER1, Wellbore #1,Design #1 V0
EXISTVERT DUMPU28-15, Wellbore #1,Design #1 V0	COYOTETRLS33S-20-2CORIGINAL WELLBORE,PROPOSAL 1V0	BOKLER23-34, Wellbore #1, Wellbore #1 V0
COYOTETRLS34S-20-13NORIGINAL WELLBORE,PROPOSAL 1V0	COYOTETRLS33S-20-6NORIGINAL WELLBORE,PROPOSAL 1V0	BOKLER4-34, Wellbore #1, Wellbore #1 V0
COYOTETRLS33S-20-1NORIGINAL WELLBORE,PROPOSAL 1V0	EXISTVERT MEKLE2, Wellbore #1,Design #1 V0	ABNDVERT KATSBUNT 1, Wellbore #1,Design #1 V0
EXISTVERT DUMPU28-5, Wellbore #1,Design #1 V0	COYOTETRLS33S-20-4NORIGINAL WELLBORE,PROPOSAL 1V0	BOKLER4-34, Wellbore #1, Wellbore #1 V0
COYOTETRLS33S-20-3NORIGINAL WELLBORE,PROPOSAL 1V0	COYOTETRLS34S-20-15NORIGINAL WELLBORE,PROPOSAL 1V0	GRABERB3-33D, Wellbore #1, Wellbore #1 V0
EXISTVERT DUMPU28-12, Wellbore #1,Design #1 V0	COYOTETRLS33S-20-7NORIGINAL WELLBORE,PROPOSAL 1V0	GRABERB3-33D, Wellbore #1, Wellbore #1 V0
COYOTETRLS34S-20-12NORIGINAL WELLBORE,PROPOSAL 1V0	EXISTVERT DUMPU28-2, Wellbore #1,Design #1 V0	EXISTVERT GRABERB42-33, Wellbore #1,Design #1 V0
EXISTVERT CARR1, Wellbore #1,Design #1 V0	COYOTETRLS34S-20-11CORIGINAL WELLBORE,PROPOSAL 1V0	EXISTVERT WEBBERHUNT 1, Wellbore #1,Design #1 V0
COYOTETRLS34S-20-16NORIGINAL WELLBORE,PROPOSAL 1V0	ABNDVERT BOKLER4UNF 2, Wellbore #1,Design #1 V0	ABNDVERT HLLSTROM G UNF 1, Wellbore #1,Design #1 V0
COYOTETRLS34S-20-10NORIGINAL WELLBORE,PROPOSAL 1V0	ABNDVERT KARLWEST COCK COM 1, Wellbore #1,Design #1 V0	EXISTVERT NORDSTROM 2-4, Wellbore #1,Design #1 V0
EXISTVERT MEKLE28-1, Wellbore #1,Design #1 V0	LARROBEMAD3-10D, Wellbore #1, Wellbore #1 V0	EXISTVERT NORDSTROM 5-4, Wellbore #1,Design #1 V0
COYOTETRLS34S-20-9NORIGINAL WELLBORE,PROPOSAL 1V0	BOKLER24-34, Wellbore #1, Wellbore #1 V0	ABNDVERT ASHER 1, Wellbore #1,Design #1 V0
COYOTETRLS34S-20-14CORIGINAL WELLBORE,PROPOSAL 1V0	ABNDVERT NINEGAYLEB1, Wellbore #1,Design #1 V0	ABNDVERT GRABERB3-33D, Wellbore #1, Wellbore #1 V0