



Company: Extraction Oil & Gas  
Field: Weld Co., Co  
Location: Sec.28-T07N-R67W  
Well: Nelson Farm #1  
Borehole: Original Hole  
Rig: Xtreme 7  
Plan: Rev 0

**PATHFINDER**  
A Schlumberger Company

#### SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00
3	1074.99	9.50	320.37	1072.82	30.26	-25.06	2.00	320.37	-22.09
4	6139.18	9.50	320.37	6067.56	673.96	-558.20	0.00	0.00	-492.03
5	6614.18	0.00	0.00	6540.38	704.22	-583.26	2.00	180.00	-514.12
6	6714.18	0.00	0.00	6640.38	704.22	-583.26	0.00	0.00	-514.12
7	7714.18	90.00	90.00	7277.00	704.22	53.36	9.00	90.00	119.66
8	15083.00	90.00	90.00	7277.00	704.39	7422.18	0.00	-90.08	7455.53

#### WELL DETAILS: Nelson Farm #1

+N/-S	+E/-W	GL 4975.00	KB @ 4991.00usft (Xtreme 7 - 16')	Longitude
0.00	0.00	Northing 1443979.89	Easting 3164958.28	40° 33' 2.192 N 104° 54' 23.000 W

#### WELLBORE TARGET DETAILS

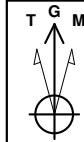
Name	TVD	+N/-S	+E/-W	Shape
KOP #1	6540.38	704.22	-583.26	Point
LP #1	7277.00	704.22	53.36	Point
PBHL Nelson Farm #1	7277.00	704.39	7422.18	Point

#### ANNOTATIONS

TVD	MD	Annotation
600.00	600.00	Begin Nudge
1072.82	1074.99	Hold Tangent
6067.56	6139.18	Begin Drop
6540.38	6614.18	Vertical Point
6640.38	6714.18	KOP, Build 9°/100' DLS
7277.00	7714.18	LP, Hold to TD
7277.00	15083.00	PBHL/TD

#### CASING DETAILS

TVD	MD	Name	Size
7277.00	7714.18	7" Csg	7



Azimuths to Grid North  
True North: -0.38°  
Magnetic North: 8.17°

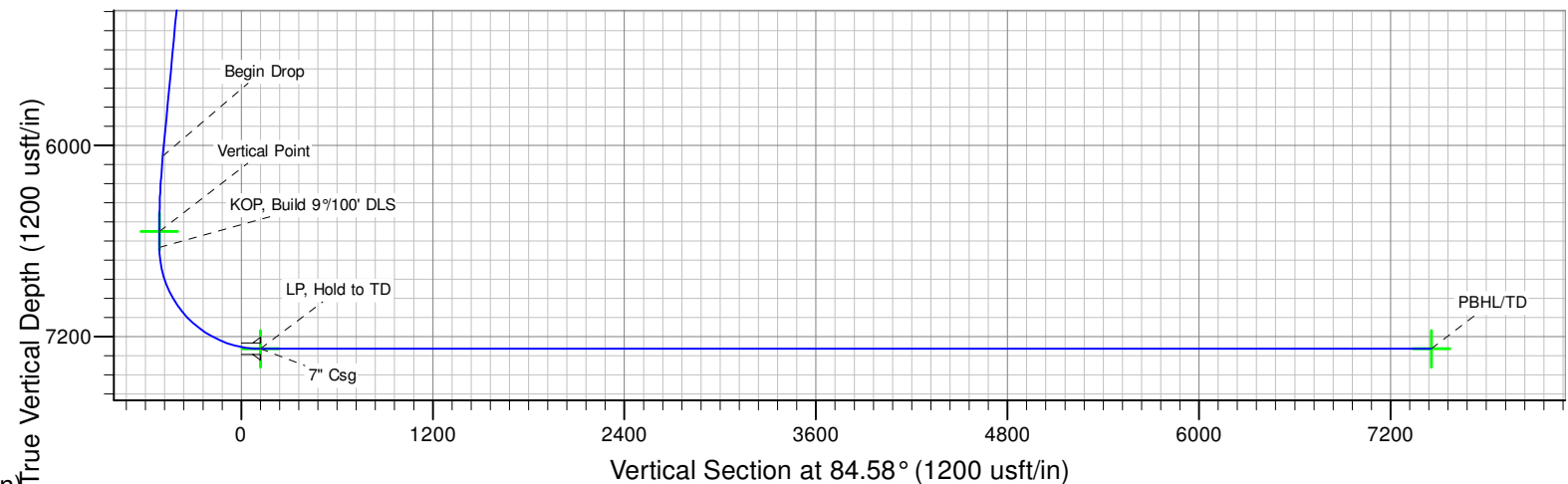
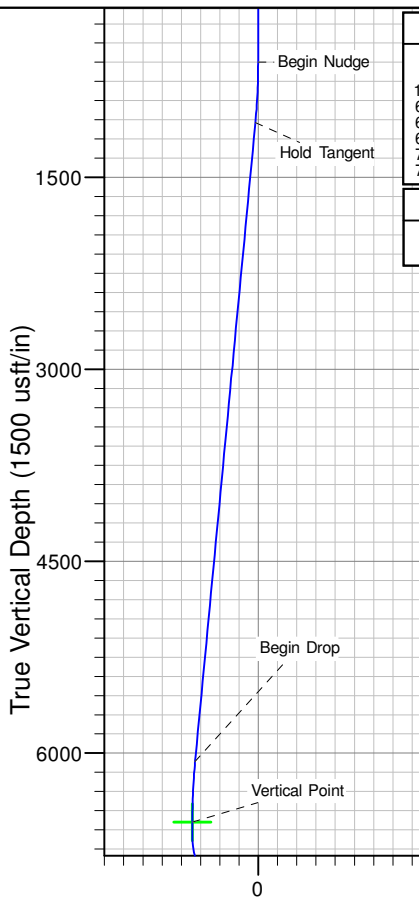
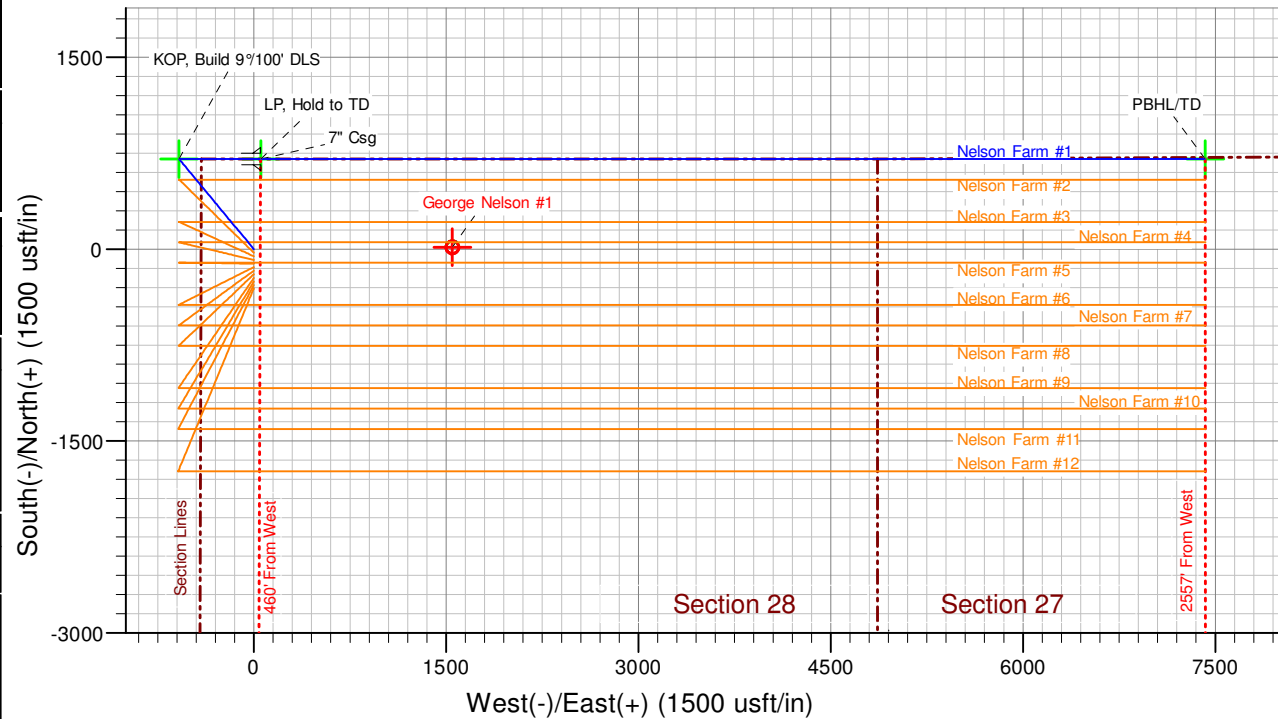
Magnetic Field  
Strength: 52883.2snT  
Dip Angle: 67.05°  
Date: 5/27/2014  
Model: IGRF2010

SHL: 704' FNL & 409' FWL  
(Sec.28-T07N-R67W)  
PBHL: 13' FNL & 2554' FWL  
(Sec.27-T07N-R67W)

Notice:  
Section Lines and Hardlines  
are estimates only and are  
subject to customer approval

Nelson Farm #1 Rev 0

Created By: J Rieke Date: 11:19, May 28 2014





# **Extraction Oil & Gas**

**Weld Co., Co  
Sec.28-T07N-R67W  
Nelson Farm #1**

**Original Hole**

**Plan: Rev 0**

## **Standard Planning Report**

**28 May, 2014**



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Nelson Farm #1
<b>Company:</b>	Extraction Oil & Gas	<b>TVD Reference:</b>	KB @ 4991.00usft (Xtreme 7 - 16')
<b>Project:</b>	Weld Co., Co	<b>MD Reference:</b>	KB @ 4991.00usft (Xtreme 7 - 16')
<b>Site:</b>	Sec.28-T07N-R67W	<b>North Reference:</b>	Grid
<b>Well:</b>	Nelson Farm #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	Rev 0		

<b>Project</b>	Weld Co., Co		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Colorado Northern Zone		

<b>Site</b>	Sec.28-T07N-R67W			
<b>Site Position:</b>		<b>Northing:</b>	1,443,979.89 usft	<b>Latitude:</b> 40° 33' 2.192 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	3,164,958.28 usft	<b>Longitude:</b> 104° 54' 23.000 W
<b>Position Uncertainty:</b>	0.00 usft	<b>Slot Radius:</b>	13-3/16 "	<b>Grid Convergence:</b> 0.38 °

<b>Well</b>	Nelson Farm #1			
<b>Well Position</b>	<b>+N/-S</b>	0.00 usft	<b>Northing:</b>	1,443,979.89 usft
	<b>+E/-W</b>	0.00 usft	<b>Easting:</b>	3,164,958.28 usft
<b>Position Uncertainty</b>	0.00 usft		<b>Wellhead Elevation:</b>	4,991.00 usft
			<b>Ground Level:</b>	4,975.00 usft

<b>Wellbore</b>	Original Hole				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	5/27/2014	8.56	67.05	52,883

<b>Design</b>	Rev 0			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	84.58

<b>Plan Sections</b>										
<b>Measured Depth (usft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Dogleg Rate (°/100usft)</b>	<b>Build Rate (°/100usft)</b>	<b>Turn Rate (°/100usft)</b>	<b>TFO (°)</b>	<b>Target</b>
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,074.99	9.50	320.37	1,072.82	30.26	-25.06	2.00	2.00	0.00	320.37	
6,139.18	9.50	320.37	6,067.56	673.96	-558.20	0.00	0.00	0.00	0.00	
6,614.18	0.00	0.00	6,540.38	704.22	-583.26	2.00	-2.00	0.00	180.00	KOP #1
6,714.18	0.00	0.00	6,640.38	704.22	-583.26	0.00	0.00	0.00	0.00	
7,714.18	90.00	90.00	7,277.00	704.22	53.36	9.00	9.00	0.00	90.00	LP #1
15,083.00	90.00	90.00	7,277.00	704.39	7,422.19	0.00	0.00	0.00	-90.08	PBHL Nelson Farm #



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Nelson Farm #1
<b>Company:</b>	Extraction Oil & Gas	<b>TVD Reference:</b>	KB @ 4991.00usft (Xtreme 7 - 16')
<b>Project:</b>	Weld Co., Co	<b>MD Reference:</b>	KB @ 4991.00usft (Xtreme 7 - 16')
<b>Site:</b>	Sec.28-T07N-R67W	<b>North Reference:</b>	Grid
<b>Well:</b>	Nelson Farm #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	Rev 0		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
Begin Nudge									
700.00	2.00	320.37	699.98	1.34	-1.11	-0.98	2.00	2.00	0.00
800.00	4.00	320.37	799.84	5.37	-4.45	-3.92	2.00	2.00	0.00
900.00	6.00	320.37	899.45	12.09	-10.01	-8.82	2.00	2.00	0.00
1,000.00	8.00	320.37	998.70	21.47	-17.78	-15.68	2.00	2.00	0.00
1,074.99	9.50	320.37	1,072.82	30.26	-25.06	-22.09	2.00	2.00	0.00
Hold Tangent									
1,100.00	9.50	320.37	1,097.48	33.44	-27.69	-24.41	0.00	0.00	0.00
1,200.00	9.50	320.37	1,196.11	46.15	-38.22	-33.69	0.00	0.00	0.00
1,300.00	9.50	320.37	1,294.74	58.86	-48.75	-42.97	0.00	0.00	0.00
1,400.00	9.50	320.37	1,393.37	71.57	-59.28	-52.25	0.00	0.00	0.00
1,500.00	9.50	320.37	1,492.00	84.28	-69.80	-61.53	0.00	0.00	0.00
1,600.00	9.50	320.37	1,590.63	96.99	-80.33	-70.81	0.00	0.00	0.00
1,700.00	9.50	320.37	1,689.26	109.70	-90.86	-80.09	0.00	0.00	0.00
1,800.00	9.50	320.37	1,787.88	122.41	-101.39	-89.37	0.00	0.00	0.00
1,900.00	9.50	320.37	1,886.51	135.12	-111.91	-98.65	0.00	0.00	0.00
2,000.00	9.50	320.37	1,985.14	147.83	-122.44	-107.93	0.00	0.00	0.00
2,100.00	9.50	320.37	2,083.77	160.55	-132.97	-117.21	0.00	0.00	0.00
2,200.00	9.50	320.37	2,182.40	173.26	-143.50	-126.49	0.00	0.00	0.00
2,300.00	9.50	320.37	2,281.03	185.97	-154.02	-135.77	0.00	0.00	0.00
2,400.00	9.50	320.37	2,379.66	198.68	-164.55	-145.05	0.00	0.00	0.00
2,500.00	9.50	320.37	2,478.28	211.39	-175.08	-154.32	0.00	0.00	0.00
2,600.00	9.50	320.37	2,576.91	224.10	-185.61	-163.60	0.00	0.00	0.00
2,700.00	9.50	320.37	2,675.54	236.81	-196.14	-172.88	0.00	0.00	0.00
2,800.00	9.50	320.37	2,774.17	249.52	-206.66	-182.16	0.00	0.00	0.00
2,900.00	9.50	320.37	2,872.80	262.23	-217.19	-191.44	0.00	0.00	0.00
3,000.00	9.50	320.37	2,971.43	274.94	-227.72	-200.72	0.00	0.00	0.00
3,100.00	9.50	320.37	3,070.06	287.65	-238.25	-210.00	0.00	0.00	0.00
3,200.00	9.50	320.37	3,168.68	300.37	-248.77	-219.28	0.00	0.00	0.00
3,300.00	9.50	320.37	3,267.31	313.08	-259.30	-228.56	0.00	0.00	0.00
3,400.00	9.50	320.37	3,365.94	325.79	-269.83	-237.84	0.00	0.00	0.00
3,500.00	9.50	320.37	3,464.57	338.50	-280.36	-247.12	0.00	0.00	0.00
3,600.00	9.50	320.37	3,563.20	351.21	-290.88	-256.40	0.00	0.00	0.00
3,700.00	9.50	320.37	3,661.83	363.92	-301.41	-265.68	0.00	0.00	0.00
3,800.00	9.50	320.37	3,760.46	376.63	-311.94	-274.96	0.00	0.00	0.00
3,900.00	9.50	320.37	3,859.08	389.34	-322.47	-284.24	0.00	0.00	0.00
4,000.00	9.50	320.37	3,957.71	402.05	-332.99	-293.52	0.00	0.00	0.00
4,100.00	9.50	320.37	4,056.34	414.76	-343.52	-302.80	0.00	0.00	0.00
4,200.00	9.50	320.37	4,154.97	427.47	-354.05	-312.08	0.00	0.00	0.00
4,300.00	9.50	320.37	4,253.60	440.19	-364.58	-321.36	0.00	0.00	0.00
4,400.00	9.50	320.37	4,352.23	452.90	-375.10	-330.64	0.00	0.00	0.00
4,500.00	9.50	320.37	4,450.86	465.61	-385.63	-339.92	0.00	0.00	0.00
4,600.00	9.50	320.37	4,549.48	478.32	-396.16	-349.20	0.00	0.00	0.00
4,700.00	9.50	320.37	4,648.11	491.03	-406.69	-358.48	0.00	0.00	0.00
4,800.00	9.50	320.37	4,746.74	503.74	-417.22	-367.76	0.00	0.00	0.00
4,900.00	9.50	320.37	4,845.37	516.45	-427.74	-377.04	0.00	0.00	0.00
5,000.00	9.50	320.37	4,944.00	529.16	-438.27	-386.32	0.00	0.00	0.00



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Nelson Farm #1
<b>Company:</b>	Extraction Oil & Gas	<b>TVD Reference:</b>	KB @ 4991.00usft (Xtreme 7 - 16')
<b>Project:</b>	Weld Co., Co	<b>MD Reference:</b>	KB @ 4991.00usft (Xtreme 7 - 16')
<b>Site:</b>	Sec.28-T07N-R67W	<b>North Reference:</b>	Grid
<b>Well:</b>	Nelson Farm #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	Rev 0		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,100.00	9.50	320.37	5,042.63	541.87	-448.80	-395.60	0.00	0.00	0.00	
5,200.00	9.50	320.37	5,141.26	554.58	-459.33	-404.87	0.00	0.00	0.00	
5,300.00	9.50	320.37	5,239.89	567.29	-469.85	-414.15	0.00	0.00	0.00	
5,400.00	9.50	320.37	5,338.51	580.01	-480.38	-423.43	0.00	0.00	0.00	
5,500.00	9.50	320.37	5,437.14	592.72	-490.91	-432.71	0.00	0.00	0.00	
5,600.00	9.50	320.37	5,535.77	605.43	-501.44	-441.99	0.00	0.00	0.00	
5,700.00	9.50	320.37	5,634.40	618.14	-511.96	-451.27	0.00	0.00	0.00	
5,800.00	9.50	320.37	5,733.03	630.85	-522.49	-460.55	0.00	0.00	0.00	
5,900.00	9.50	320.37	5,831.66	643.56	-533.02	-469.83	0.00	0.00	0.00	
6,000.00	9.50	320.37	5,930.29	656.27	-543.55	-479.11	0.00	0.00	0.00	
6,100.00	9.50	320.37	6,028.91	668.98	-554.07	-488.39	0.00	0.00	0.00	
6,139.18	9.50	320.37	6,067.56	673.96	-558.20	-492.03	0.00	0.00	0.00	
Begin Drop										
6,200.00	8.28	320.37	6,127.64	681.20	-564.20	-497.31	2.00	-2.00	0.00	
6,300.00	6.28	320.37	6,226.83	690.97	-572.28	-504.44	2.00	-2.00	0.00	
6,400.00	4.28	320.37	6,326.40	698.06	-578.16	-509.62	2.00	-2.00	0.00	
6,500.00	2.28	320.37	6,426.23	702.47	-581.81	-512.84	2.00	-2.00	0.00	
6,600.00	0.28	320.37	6,526.20	704.19	-583.24	-514.10	2.00	-2.00	0.00	
6,614.18	0.00	0.00	6,540.38	704.22	-583.26	-514.12	2.00	-2.00	0.00	
Vertical Point										
6,700.00	0.00	0.00	6,626.20	704.22	-583.26	-514.12	0.00	0.00	0.00	
6,714.18	0.00	0.00	6,640.38	704.22	-583.26	-514.12	0.00	0.00	0.00	
KOP, Build 9°/100' DLS										
6,800.00	7.72	90.00	6,725.94	704.22	-577.48	-508.37	9.00	9.00	0.00	
6,900.00	16.72	90.00	6,823.58	704.22	-556.33	-487.31	9.00	9.00	0.00	
7,000.00	25.72	90.00	6,916.70	704.22	-520.17	-451.31	9.00	9.00	0.00	
7,100.00	34.72	90.00	7,003.01	704.22	-469.88	-401.24	9.00	9.00	0.00	
7,200.00	43.72	90.00	7,080.40	704.22	-406.71	-338.36	9.00	9.00	0.00	
7,300.00	52.72	90.00	7,146.96	704.22	-332.21	-264.19	9.00	9.00	0.00	
7,400.00	61.72	90.00	7,201.04	704.22	-248.22	-180.57	9.00	9.00	0.00	
7,500.00	70.72	90.00	7,241.31	704.22	-156.80	-89.56	9.00	9.00	0.00	
7,600.00	79.72	90.00	7,266.79	704.22	-60.21	6.60	9.00	9.00	0.00	
7,700.00	88.72	90.00	7,276.84	704.22	39.18	105.54	9.00	9.00	0.00	
7,714.18	90.00	90.00	7,277.00	704.22	53.36	119.66	9.00	9.00	0.00	
LP, Hold to TD - 7" Csg										
7,800.00	90.00	90.00	7,277.00	704.22	139.18	205.09	0.00	0.00	0.00	
7,900.00	90.00	90.00	7,277.00	704.22	239.18	304.65	0.00	0.00	0.00	
8,000.00	90.00	90.00	7,277.00	704.22	339.18	404.20	0.00	0.00	0.00	
8,100.00	90.00	90.00	7,277.00	704.22	439.18	503.75	0.00	0.00	0.00	
8,200.00	90.00	90.00	7,277.00	704.22	539.18	603.31	0.00	0.00	0.00	
8,300.00	90.00	90.00	7,277.00	704.22	639.18	702.86	0.00	0.00	0.00	
8,400.00	90.00	90.00	7,277.00	704.22	739.18	802.41	0.00	0.00	0.00	
8,500.00	90.00	90.00	7,277.00	704.22	839.18	901.96	0.00	0.00	0.00	
8,600.00	90.00	90.00	7,277.00	704.22	939.18	1,001.52	0.00	0.00	0.00	
8,700.00	90.00	90.00	7,277.00	704.22	1,039.18	1,101.07	0.00	0.00	0.00	
8,800.00	90.00	90.00	7,277.00	704.22	1,139.18	1,200.62	0.00	0.00	0.00	
8,900.00	90.00	90.00	7,277.00	704.23	1,239.18	1,300.17	0.00	0.00	0.00	
9,000.00	90.00	90.00	7,277.00	704.23	1,339.18	1,399.73	0.00	0.00	0.00	
9,100.00	90.00	90.00	7,277.00	704.23	1,439.18	1,499.28	0.00	0.00	0.00	
9,200.00	90.00	90.00	7,277.00	704.23	1,539.18	1,598.83	0.00	0.00	0.00	
9,300.00	90.00	90.00	7,277.00	704.23	1,639.18	1,698.39	0.00	0.00	0.00	
9,400.00	90.00	90.00	7,277.00	704.23	1,739.18	1,797.94	0.00	0.00	0.00	
9,500.00	90.00	90.00	7,277.00	704.23	1,839.18	1,897.49	0.00	0.00	0.00	



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Nelson Farm #1
<b>Company:</b>	Extraction Oil & Gas	<b>TVD Reference:</b>	KB @ 4991.00usft (Xtreme 7 - 16')
<b>Project:</b>	Weld Co., Co	<b>MD Reference:</b>	KB @ 4991.00usft (Xtreme 7 - 16')
<b>Site:</b>	Sec.28-T07N-R67W	<b>North Reference:</b>	Grid
<b>Well:</b>	Nelson Farm #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	Rev 0		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
9,600.00	90.00	90.00	7,277.00	704.23	1,939.18	1,997.04	0.00	0.00	0.00	
9,700.00	90.00	90.00	7,277.00	704.23	2,039.18	2,096.60	0.00	0.00	0.00	
9,800.00	90.00	90.00	7,277.00	704.24	2,139.18	2,196.15	0.00	0.00	0.00	
9,900.00	90.00	90.00	7,277.00	704.24	2,239.18	2,295.70	0.00	0.00	0.00	
10,000.00	90.00	90.00	7,277.00	704.24	2,339.18	2,395.26	0.00	0.00	0.00	
10,100.00	90.00	90.00	7,277.00	704.24	2,439.18	2,494.81	0.00	0.00	0.00	
10,200.00	90.00	90.00	7,277.00	704.24	2,539.18	2,594.36	0.00	0.00	0.00	
10,300.00	90.00	90.00	7,277.00	704.24	2,639.18	2,693.91	0.00	0.00	0.00	
10,400.00	90.00	90.00	7,277.00	704.24	2,739.18	2,793.47	0.00	0.00	0.00	
10,500.00	90.00	90.00	7,277.00	704.25	2,839.18	2,893.02	0.00	0.00	0.00	
10,600.00	90.00	90.00	7,277.00	704.25	2,939.18	2,992.57	0.00	0.00	0.00	
10,700.00	90.00	90.00	7,277.00	704.25	3,039.18	3,092.13	0.00	0.00	0.00	
10,800.00	90.00	90.00	7,277.00	704.25	3,139.18	3,191.68	0.00	0.00	0.00	
10,900.00	90.00	90.00	7,277.00	704.25	3,239.18	3,291.23	0.00	0.00	0.00	
11,000.00	90.00	90.00	7,277.00	704.26	3,339.18	3,390.78	0.00	0.00	0.00	
11,100.00	90.00	90.00	7,277.00	704.26	3,439.18	3,490.34	0.00	0.00	0.00	
11,200.00	90.00	90.00	7,277.00	704.26	3,539.18	3,589.89	0.00	0.00	0.00	
11,300.00	90.00	90.00	7,277.00	704.26	3,639.18	3,689.44	0.00	0.00	0.00	
11,400.00	90.00	90.00	7,277.00	704.27	3,739.18	3,789.00	0.00	0.00	0.00	
11,500.00	90.00	90.00	7,277.00	704.27	3,839.18	3,888.55	0.00	0.00	0.00	
11,600.00	90.00	90.00	7,277.00	704.27	3,939.18	3,988.10	0.00	0.00	0.00	
11,700.00	90.00	90.00	7,277.00	704.27	4,039.18	4,087.65	0.00	0.00	0.00	
11,800.00	90.00	90.00	7,277.00	704.27	4,139.18	4,187.21	0.00	0.00	0.00	
11,900.00	90.00	90.00	7,277.00	704.28	4,239.18	4,286.76	0.00	0.00	0.00	
12,000.00	90.00	90.00	7,277.00	704.28	4,339.18	4,386.31	0.00	0.00	0.00	
12,100.00	90.00	90.00	7,277.00	704.28	4,439.18	4,485.87	0.00	0.00	0.00	
12,200.00	90.00	90.00	7,277.00	704.29	4,539.18	4,585.42	0.00	0.00	0.00	
12,300.00	90.00	90.00	7,277.00	704.29	4,639.18	4,684.97	0.00	0.00	0.00	
12,400.00	90.00	90.00	7,277.00	704.29	4,739.18	4,784.52	0.00	0.00	0.00	
12,500.00	90.00	90.00	7,277.00	704.29	4,839.18	4,884.08	0.00	0.00	0.00	
12,600.00	90.00	90.00	7,277.00	704.30	4,939.18	4,983.63	0.00	0.00	0.00	
12,700.00	90.00	90.00	7,277.00	704.30	5,039.18	5,083.18	0.00	0.00	0.00	
12,800.00	90.00	90.00	7,277.00	704.30	5,139.18	5,182.74	0.00	0.00	0.00	
12,900.00	90.00	90.00	7,277.00	704.31	5,239.18	5,282.29	0.00	0.00	0.00	
13,000.00	90.00	90.00	7,277.00	704.31	5,339.18	5,381.84	0.00	0.00	0.00	
13,100.00	90.00	90.00	7,277.00	704.31	5,439.18	5,481.40	0.00	0.00	0.00	
13,200.00	90.00	90.00	7,277.00	704.32	5,539.18	5,580.95	0.00	0.00	0.00	
13,300.00	90.00	90.00	7,277.00	704.32	5,639.18	5,680.50	0.00	0.00	0.00	
13,400.00	90.00	90.00	7,277.00	704.32	5,739.18	5,780.05	0.00	0.00	0.00	
13,500.00	90.00	90.00	7,277.00	704.33	5,839.18	5,879.61	0.00	0.00	0.00	
13,600.00	90.00	90.00	7,277.00	704.33	5,939.18	5,979.16	0.00	0.00	0.00	
13,700.00	90.00	90.00	7,277.00	704.34	6,039.18	6,078.71	0.00	0.00	0.00	
13,800.00	90.00	90.00	7,277.00	704.34	6,139.18	6,178.27	0.00	0.00	0.00	
13,900.00	90.00	90.00	7,277.00	704.34	6,239.18	6,277.82	0.00	0.00	0.00	
14,000.00	90.00	90.00	7,277.00	704.35	6,339.18	6,377.37	0.00	0.00	0.00	
14,100.00	90.00	90.00	7,277.00	704.35	6,439.18	6,476.93	0.00	0.00	0.00	
14,200.00	90.00	90.00	7,277.00	704.35	6,539.18	6,576.48	0.00	0.00	0.00	
14,300.00	90.00	90.00	7,277.00	704.36	6,639.18	6,676.03	0.00	0.00	0.00	
14,400.00	90.00	90.00	7,277.00	704.36	6,739.18	6,775.59	0.00	0.00	0.00	
14,500.00	90.00	90.00	7,277.00	704.37	6,839.18	6,875.14	0.00	0.00	0.00	
14,600.00	90.00	90.00	7,277.00	704.37	6,939.18	6,974.69	0.00	0.00	0.00	
14,700.00	90.00	90.00	7,277.00	704.38	7,039.18	7,074.24	0.00	0.00	0.00	
14,800.00	90.00	90.00	7,277.00	704.38	7,139.18	7,173.80	0.00	0.00	0.00	
14,900.00	90.00	90.00	7,277.00	704.38	7,239.18	7,273.35	0.00	0.00	0.00	



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Nelson Farm #1
<b>Company:</b>	Extraction Oil & Gas	<b>TVD Reference:</b>	KB @ 4991.00usft (Xtreme 7 - 16')
<b>Project:</b>	Weld Co., Co	<b>MD Reference:</b>	KB @ 4991.00usft (Xtreme 7 - 16')
<b>Site:</b>	Sec.28-T07N-R67W	<b>North Reference:</b>	Grid
<b>Well:</b>	Nelson Farm #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	Rev 0		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,000.00	90.00	90.00	7,277.00	704.39	7,339.18	7,372.90	0.00	0.00	0.00
15,083.00	90.00	90.00	7,277.00	704.39	7,422.19	7,455.53	0.00	0.00	0.00
PBHL/TD									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
George Nelson 1	0.00	0.01	4,338.00	15.15	1,548.35	1,443,995.04	3,166,506.63	40° 33' 2.239 N	104° 54' 2.941 W
- plan misses target center by 1953.82usft at 4127.83usft MD (4083.79 TVD, 418.30 N, -346.45 E)									
- Circle (radius 50.00)									
KOP #1	0.00	0.00	6,540.38	704.22	-583.26	1,444,684.11	3,164,375.02	40° 33' 9.190 N	104° 54' 30.495 W
- plan hits target center									
- Point									
LP #1	0.00	0.00	7,277.00	704.22	53.36	1,444,684.11	3,165,011.65	40° 33' 9.148 N	104° 54' 22.248 W
- plan hits target center									
- Point									
PBHL Nelson Farm #1	0.00	0.00	7,277.00	704.39	7,422.19	1,444,684.28	3,172,380.47	40° 33' 8.651 N	104° 52' 46.787 W
- plan hits target center									
- Point									

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
7,714.18	7,277.00	7" Csg	7	7-1/2	

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment
600.00	600.00	0.00	0.00	Begin Nudge
1,074.99	1,072.82	30.26	-25.06	Hold Tangent
6,139.18	6,067.56	673.96	-558.20	Begin Drop
6,614.18	6,540.38	704.22	-583.26	Vertical Point
6,714.18	6,640.38	704.22	-583.26	KOP, Build 9°/100' DLS
7,714.18	7,277.00	704.22	53.36	LP, Hold to TD
15,083.00	7,277.00	704.39	7,422.19	PBHL/TD