

PATHFINDER

A Schlumberger Company

A WORLD OF TECHNOLOGY

End-of-Well *Report*



Extraction Oil & Gas **Nelson Farm #3** *Weld County, ND* *Xtreme 7*

Job # 14CAS0370

Directional Drilling Services End of Well Report

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Company: Extraction Oil & Gas
 Field: Weld Co., Co
 Location: Sec.28-T07N-R67W
 Well: Nelson Farm #03
 Borehole: Original Hole
 Rig: Xtreme 7
 Plan: Original Hole



WELL DETAILS: Nelson Farm #03

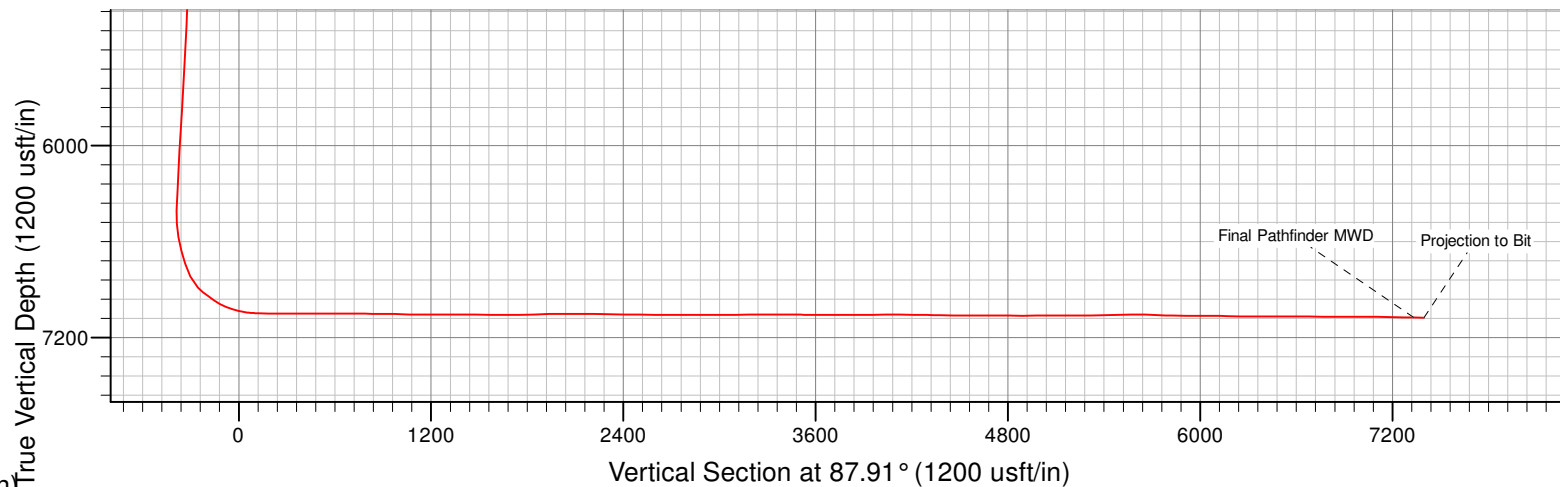
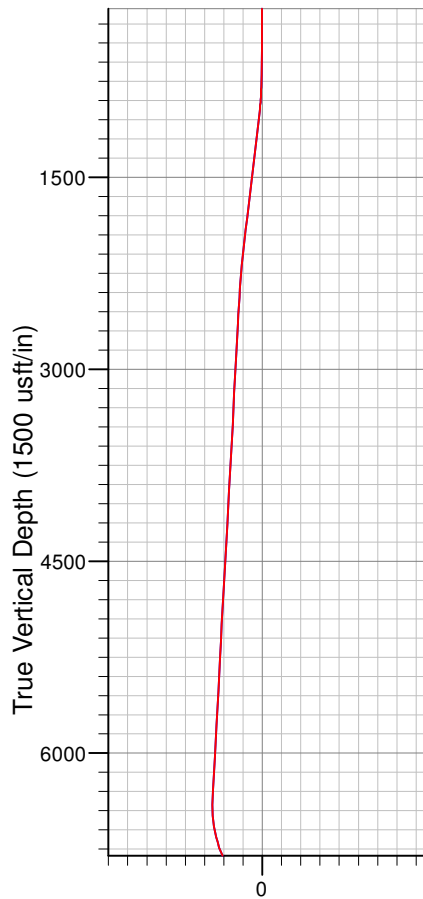
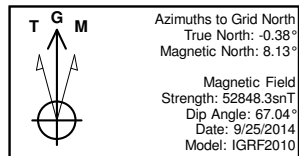
+N/-S	+E/-W	GL 4973.00 Northing	KB @ 4989.00usft (Xtreme 7 - 16') Easting	Latitude	Longitude
0.00	0.00	1443923.76	3164958.10	40° 33' 1.638 N	104° 54' 23.008 W

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Tie Into Surface
142.00	142.00	0.53	203.95	-0.60	-0.27	-0.29	0.66	First Pathfinder MWD
7074.04	14576.00	88.90	89.87	271.22	7327.45	7332.46	8219.69	Final Pathfinder MWD
7075.26	14640.00	88.90	89.87	271.36	7391.44	7396.41	8283.68	Projection to Bit

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL Nelson Farm #3	7050.00	270.51	7423.01	1444194.27	3172381.12	Point

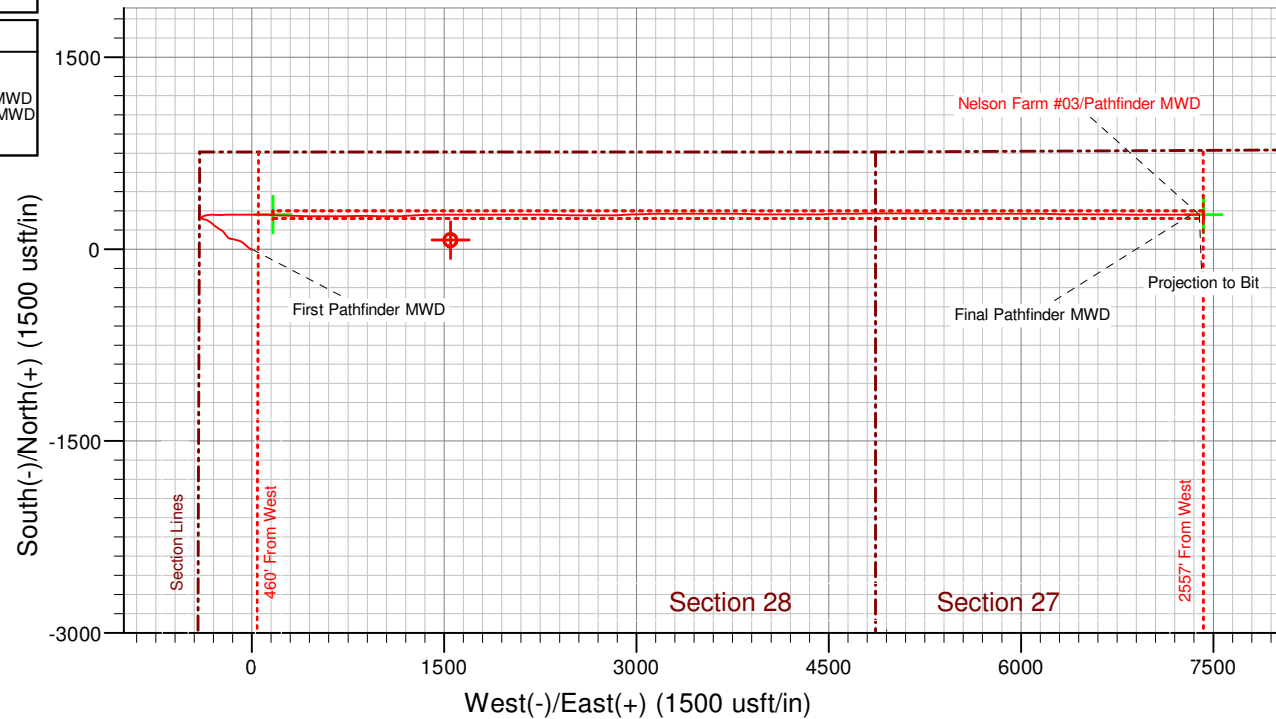


SHL: 760' FNL & 409' FWL
 (Sec.28-T07N-R67W)
 ABHL +/-: 504' FNL & 2523' FWL
 (Sec.27-T07N-R67W)

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

Nelson Farm #03 Original Hole

Created By: J Rieke Date: 9:54, October 17 2014





Extraction Oil & Gas

**Weld Co., Co
Sec.28-T07N-R67W
Nelson Farm #03**

Original Hole

Survey: Pathfinder MWD

Standard Survey Report

17 October, 2014



Company:	Extraction Oil & Gas	Local Co-ordinate Reference:	Well Nelson Farm #03
Project:	Weld Co., Co	TVD Reference:	KB @ 4989.00usft (Xtreme 7 - 16')
Site:	Sec.28-T07N-R67W	MD Reference:	KB @ 4989.00usft (Xtreme 7 - 16')
Well:	Nelson Farm #03	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDM 5000.1 Single User Db

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

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

Well	Nelson Farm #03		
Well Position	+N/-S	0.00 usft	Northing: 1,443,923.76 usft
	+E/-W	0.00 usft	Easting: 3,164,958.10 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	4,989.00 usft
		Latitude:	40° 33' 1.638 N
		Longitude:	104° 54' 23.008 W
		Ground Level:	4,973.00 usft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	9/25/2014	8.51	67.04	52,848

Design	Original Hole			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	87.91

Survey Program	Date	10/16/2014		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
142.00	14,640.00	Pathfinder MWD (Original Hole)	Pathfinder	Pathfinder MWD

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
Tie Into Surface									
142.00	0.53	203.95	142.00	-0.60	-0.27	-0.29	0.37	0.37	0.00
First Pathfinder MWD									
327.00	0.79	203.34	326.99	-2.55	-1.12	-1.21	0.14	0.14	-0.33
512.00	0.62	254.22	511.97	-4.00	-2.59	-2.73	0.34	-0.09	27.50
700.00	1.32	297.91	699.95	-3.26	-5.48	-5.60	0.52	0.37	23.24
796.00	1.14	290.70	795.93	-2.40	-7.35	-7.43	0.25	-0.19	-7.51
891.00	5.54	310.83	890.74	0.93	-11.71	-11.67	4.72	4.63	21.19
986.00	8.62	306.61	985.01	8.18	-20.89	-20.58	3.29	3.24	-4.44



Company:	Extraction Oil & Gas	Local Co-ordinate Reference:	Well Nelson Farm #03
Project:	Weld Co., Co	TVD Reference:	KB @ 4989.00usft (Xtreme 7 - 16')
Site:	Sec.28-T07N-R67W	MD Reference:	KB @ 4989.00usft (Xtreme 7 - 16')
Well:	Nelson Farm #03	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDM 5000.1 Single User Db

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)
1,267.00	8.35	314.25	1,262.94	34.97	-52.41	-51.10	0.41	-0.10	2.72
1,548.00	8.44	296.85	1,540.97	58.53	-85.43	-83.24	0.90	0.03	-6.19
1,826.00	7.56	286.83	1,816.28	73.04	-121.14	-118.40	0.59	-0.32	-3.60
2,102.00	5.80	272.33	2,090.41	78.86	-152.46	-149.48	0.88	-0.64	-5.25
2,379.00	4.31	291.31	2,366.35	83.21	-176.14	-173.00	0.80	-0.54	6.85
2,655.00	5.89	326.12	2,641.31	98.74	-193.70	-189.98	1.23	0.57	12.61
2,932.00	5.54	322.52	2,916.93	121.15	-209.76	-205.21	0.18	-0.13	-1.30
3,194.00	3.61	311.18	3,178.09	136.62	-223.67	-218.54	0.81	-0.74	-4.33
3,450.00	3.34	305.99	3,433.62	146.31	-235.77	-230.28	0.16	-0.11	-2.03
3,706.00	4.04	303.79	3,689.09	155.71	-249.30	-243.46	0.28	0.27	-0.86
3,965.00	4.13	303.27	3,947.43	165.90	-264.68	-258.46	0.04	0.03	-0.20
4,232.00	3.61	305.38	4,213.82	176.04	-279.57	-272.97	0.20	-0.19	0.79
4,252.89	3.64	305.58	4,234.67	176.81	-280.65	-274.02	0.14	0.13	0.94
George Nelson									
4,495.00	3.96	307.66	4,476.25	186.38	-293.51	-286.53	0.14	0.13	0.86
4,755.00	4.31	309.95	4,735.57	198.14	-308.11	-300.69	0.15	0.13	0.88
5,011.00	4.04	303.36	4,990.89	209.28	-323.01	-315.18	0.21	-0.11	-2.57
5,276.00	2.99	303.71	5,255.39	218.25	-336.56	-328.39	0.40	-0.40	0.13
5,543.00	3.61	302.83	5,521.95	226.67	-349.42	-340.93	0.23	0.23	-0.33
5,799.00	3.69	279.98	5,777.44	232.47	-364.30	-355.59	0.57	0.03	-8.93
6,054.00	3.34	293.51	6,031.97	236.85	-379.20	-370.32	0.35	-0.14	5.31
6,310.00	2.73	285.16	6,287.61	241.42	-391.92	-382.87	0.29	-0.24	-3.26
6,427.00	2.90	306.43	6,404.47	243.91	-396.99	-387.84	0.90	0.15	18.18
6,512.00	5.36	45.92	6,489.32	247.95	-395.87	-386.57	7.65	2.89	117.05
6,597.00	12.66	58.93	6,573.22	255.53	-385.02	-375.46	8.86	8.59	15.31
6,681.00	14.33	71.94	6,654.92	263.51	-367.25	-357.41	4.11	1.99	15.49
6,724.00	15.04	78.71	6,696.52	266.25	-356.72	-346.78	4.32	1.65	15.74
6,767.00	16.27	83.72	6,737.92	268.00	-345.26	-335.27	4.25	2.86	11.65
6,852.00	27.08	90.84	6,816.81	269.02	-313.98	-303.97	13.07	12.72	8.38
6,937.00	42.82	90.84	6,886.26	268.31	-265.44	-255.50	18.52	18.52	0.00
6,980.00	51.53	89.96	6,915.46	268.11	-233.94	-224.02	20.31	20.26	-2.05
7,023.00	53.29	88.55	6,941.69	268.56	-199.87	-189.96	4.85	4.09	-3.28
7,065.00	55.13	88.90	6,966.25	269.31	-165.81	-155.89	4.43	4.38	0.83
7,108.00	61.91	89.78	6,988.69	269.73	-129.16	-119.25	15.86	15.77	2.05
7,150.00	66.21	90.48	7,007.06	269.64	-91.40	-81.52	10.35	10.24	1.67
7,193.00	72.02	89.69	7,022.39	269.58	-51.25	-41.40	13.62	13.51	-1.84
7,237.00	78.35	88.90	7,033.63	270.11	-8.74	1.11	14.49	14.39	-1.80
7,280.00	81.60	89.60	7,041.12	270.66	33.60	43.43	7.73	7.56	1.63
7,359.00	88.55	92.86	7,047.90	268.96	112.23	121.95	9.71	8.80	4.13
7,410.60	89.20	93.22	7,048.91	266.23	163.75	173.34	1.44	1.25	0.70
LP #3									
7,422.00	89.34	93.30	7,049.06	265.58	175.13	184.68	1.44	1.25	0.70
7,514.00	90.75	91.36	7,048.98	261.84	267.04	276.40	2.61	1.53	-2.11
7,608.00	89.87	90.48	7,048.47	260.33	361.03	370.27	1.32	-0.94	-0.94



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Design:	Original Hole	Database:	EDM 5000.1 Single User Db

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)
7,700.00	89.52	91.63	7,048.96	258.63	453.01	462.13	1.31	-0.38	1.25
7,794.00	89.52	88.90	7,049.75	258.20	547.00	556.04	2.90	0.00	-2.90
7,886.00	90.40	89.78	7,049.82	259.26	638.99	648.01	1.35	0.96	0.96
7,978.00	89.87	89.96	7,049.60	259.47	730.99	739.95	0.61	-0.58	0.20
8,070.00	88.81	89.52	7,050.66	259.89	822.98	831.90	1.25	-1.15	-0.48
8,162.00	89.52	90.66	7,052.00	259.74	914.97	923.82	1.46	0.77	1.24
8,255.00	88.11	90.84	7,053.92	258.52	1,007.94	1,016.68	1.53	-1.52	0.19
8,347.00	89.43	89.87	7,055.90	257.95	1,099.91	1,108.58	1.78	1.43	-1.05
8,439.00	90.57	87.41	7,055.90	260.14	1,191.88	1,200.56	2.95	1.24	-2.67
8,530.00	89.69	87.23	7,055.69	264.39	1,282.78	1,291.55	0.99	-0.97	-0.20
8,623.00	90.04	87.06	7,055.91	269.02	1,375.66	1,384.55	0.42	0.38	-0.18
8,715.00	89.43	90.31	7,056.34	271.14	1,467.62	1,476.52	3.59	-0.66	3.53
8,808.00	89.60	90.22	7,057.12	270.71	1,560.62	1,569.44	0.21	0.18	-0.10
8,900.00	90.40	90.13	7,057.12	270.42	1,652.62	1,661.37	0.88	0.87	-0.10
8,992.00	89.87	90.04	7,056.91	270.29	1,744.62	1,753.30	0.58	-0.58	-0.10
9,084.00	91.80	89.69	7,055.57	270.50	1,836.60	1,845.24	2.13	2.10	-0.38
9,177.00	91.71	90.40	7,052.72	270.43	1,929.56	1,938.13	0.77	-0.10	0.76
9,270.00	90.84	91.01	7,050.65	269.29	2,022.53	2,030.99	1.14	-0.94	0.66
9,363.00	89.08	89.08	7,050.71	269.21	2,115.52	2,123.92	2.81	-1.89	-2.08
9,457.00	89.16	89.78	7,052.16	270.15	2,209.50	2,217.87	0.75	0.09	0.74
9,552.00	89.08	91.19	7,053.62	269.35	2,304.49	2,312.77	1.49	-0.08	1.48
9,645.00	89.34	91.01	7,054.90	267.56	2,397.46	2,405.61	0.34	0.28	-0.19
9,738.00	89.34	90.31	7,055.97	266.49	2,490.45	2,498.50	0.75	0.00	-0.75
9,831.00	89.25	89.78	7,057.11	266.42	2,583.44	2,591.43	0.58	-0.10	-0.57
9,916.00	89.34	91.36	7,058.16	265.57	2,668.43	2,676.33	1.86	0.11	1.86
10,001.00	90.40	90.13	7,058.35	264.47	2,753.42	2,761.22	1.91	1.25	-1.45
10,087.00	90.13	87.50	7,057.95	266.24	2,839.39	2,847.20	3.07	-0.31	-3.06
10,172.00	90.66	87.32	7,057.37	270.08	2,924.30	2,932.20	0.66	0.62	-0.21
10,257.00	89.87	88.64	7,056.98	273.08	3,009.24	3,017.19	1.81	-0.93	1.55
10,342.00	90.75	88.02	7,056.52	275.56	3,094.20	3,102.19	1.27	1.04	-0.73
10,427.00	90.48	90.13	7,055.60	276.93	3,179.18	3,187.16	2.50	-0.32	2.48
10,512.00	89.69	89.25	7,055.48	277.39	3,264.18	3,272.12	1.39	-0.93	-1.04
10,598.00	89.87	89.52	7,055.81	278.31	3,350.17	3,358.09	0.38	0.21	0.31
10,683.00	90.48	90.13	7,055.55	278.57	3,435.17	3,443.04	1.01	0.72	0.72
10,768.00	87.49	89.69	7,057.05	278.71	3,520.15	3,527.96	3.56	-3.52	-0.52
10,853.00	90.40	90.84	7,058.62	278.31	3,605.12	3,612.87	3.68	3.42	1.35
10,938.00	90.22	90.57	7,058.16	277.27	3,690.12	3,697.77	0.38	-0.21	-0.32
11,023.00	89.78	90.66	7,058.16	276.35	3,775.11	3,782.67	0.53	-0.52	0.11
11,041.49	89.93	90.79	7,058.20	276.12	3,793.60	3,801.14	1.09	0.82	0.72
Lateral Target Box NF #3									
11,108.00	90.48	91.27	7,057.97	274.92	3,860.10	3,867.55	1.09	0.82	0.72
11,193.00	91.10	91.27	7,056.79	273.04	3,945.07	3,952.39	0.73	0.73	0.00
11,278.00	90.40	90.04	7,055.68	272.07	4,030.05	4,037.29	1.66	-0.82	-1.45



Company:	Extraction Oil & Gas	Local Co-ordinate Reference:	Well Nelson Farm #03
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Well:	Nelson Farm #03	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDM 5000.1 Single User Db

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)	
11,363.00	89.52	90.31	7,055.74	271.81	4,115.05	4,122.22	1.08	-1.04	0.32	
11,449.00	89.25	89.96	7,056.66	271.60	4,201.05	4,208.15	0.51	-0.31	-0.41	
11,534.00	88.29	89.08	7,058.49	272.32	4,286.02	4,293.10	1.53	-1.13	-1.04	
11,619.00	89.69	89.43	7,059.99	273.42	4,371.00	4,378.06	1.70	1.65	0.41	
11,704.00	89.69	89.17	7,060.45	274.46	4,455.99	4,463.03	0.31	0.00	-0.31	
11,790.00	89.16	88.73	7,061.31	276.04	4,541.97	4,549.01	0.80	-0.62	-0.51	
11,875.00	90.22	89.60	7,061.77	277.27	4,626.96	4,633.99	1.61	1.25	1.02	
11,960.00	89.87	89.25	7,061.70	278.13	4,711.96	4,718.96	0.58	-0.41	-0.41	
12,046.00	89.52	88.64	7,062.16	279.71	4,797.94	4,804.94	0.82	-0.41	-0.71	
12,131.00	90.13	90.48	7,062.42	280.36	4,882.93	4,889.90	2.28	0.72	2.16	
12,216.00	89.96	90.13	7,062.35	279.91	4,967.93	4,974.83	0.46	-0.20	-0.41	
12,302.00	90.13	89.43	7,062.29	280.24	5,053.93	5,060.78	0.84	0.20	-0.81	
12,387.00	89.96	89.87	7,062.22	280.76	5,138.93	5,145.74	0.55	-0.20	0.52	
12,472.00	89.87	89.17	7,062.34	281.47	5,223.92	5,230.71	0.83	-0.11	-0.82	
12,557.00	91.28	91.54	7,061.49	280.95	5,308.91	5,315.62	3.24	1.66	2.79	
12,642.00	91.36	91.01	7,059.53	279.06	5,393.87	5,400.45	0.63	0.09	-0.62	
12,728.00	92.07	90.31	7,056.96	278.07	5,479.82	5,486.31	1.16	0.83	-0.81	
12,813.00	91.28	90.75	7,054.48	277.28	5,564.78	5,571.19	1.06	-0.93	0.52	
12,898.00	87.58	90.04	7,055.32	276.69	5,649.76	5,656.09	4.43	-4.35	-0.84	
12,984.00	87.23	90.13	7,059.21	276.57	5,735.67	5,741.94	0.42	-0.41	0.10	
13,069.00	88.55	90.04	7,062.34	276.44	5,820.61	5,826.82	1.56	1.55	-0.11	
13,154.00	89.25	90.13	7,063.98	276.31	5,905.59	5,911.74	0.83	0.82	0.11	
13,239.00	90.04	89.87	7,064.50	276.31	5,990.59	5,996.68	0.98	0.93	-0.31	
13,324.00	90.13	89.60	7,064.38	276.71	6,075.59	6,081.64	0.33	0.11	-0.32	
13,409.00	88.90	90.57	7,065.10	276.58	6,160.59	6,166.57	1.84	-1.45	1.14	
13,494.00	89.16	90.75	7,066.53	275.60	6,245.57	6,251.46	0.37	0.31	0.21	
13,580.00	90.66	90.84	7,066.67	274.41	6,331.56	6,337.35	1.75	1.74	0.10	
13,665.00	89.78	90.31	7,066.34	273.56	6,416.55	6,422.26	1.21	-1.04	-0.62	
13,751.00	90.48	90.22	7,066.15	273.16	6,502.55	6,508.18	0.82	0.81	-0.10	
13,836.00	89.43	90.40	7,066.21	272.70	6,587.55	6,593.11	1.25	-1.24	0.21	
13,921.00	88.90	89.96	7,067.45	272.43	6,672.54	6,678.03	0.81	-0.62	-0.52	
14,007.00	89.25	90.84	7,068.84	271.83	6,758.52	6,763.94	1.10	0.41	1.02	
14,092.00	90.13	90.48	7,069.30	270.85	6,843.51	6,848.84	1.12	1.04	-0.42	
14,177.00	90.22	89.96	7,069.04	270.53	6,928.51	6,933.77	0.62	0.11	-0.61	
14,262.00	90.48	89.34	7,068.52	271.04	7,013.51	7,018.73	0.79	0.31	-0.73	
14,347.00	88.81	90.22	7,069.05	271.37	7,098.50	7,103.68	2.22	-1.96	1.04	
14,433.00	88.55	90.22	7,071.03	271.04	7,184.48	7,189.58	0.30	-0.30	0.00	
14,518.00	88.90	89.78	7,072.92	271.04	7,269.46	7,274.51	0.66	0.41	-0.52	
14,576.00	88.90	89.87	7,074.04	271.22	7,327.45	7,332.46	0.16	0.00	0.16	
Final Pathfinder MWD										
14,640.00	88.90	89.87	7,075.26	271.36	7,391.44	7,396.41	0.00	0.00	0.00	
Projection to Bit - PBHL Nelson Farm #3										



Company:	Extraction Oil & Gas	Local Co-ordinate Reference:	Well Nelson Farm #03
Project:	Weld Co., Co	TVD Reference:	KB @ 4989.00usft (Xtreme 7 - 16')
Site:	Sec.28-T07N-R67W	MD Reference:	KB @ 4989.00usft (Xtreme 7 - 16')
Well:	Nelson Farm #03	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDM 5000.1 Single User Db

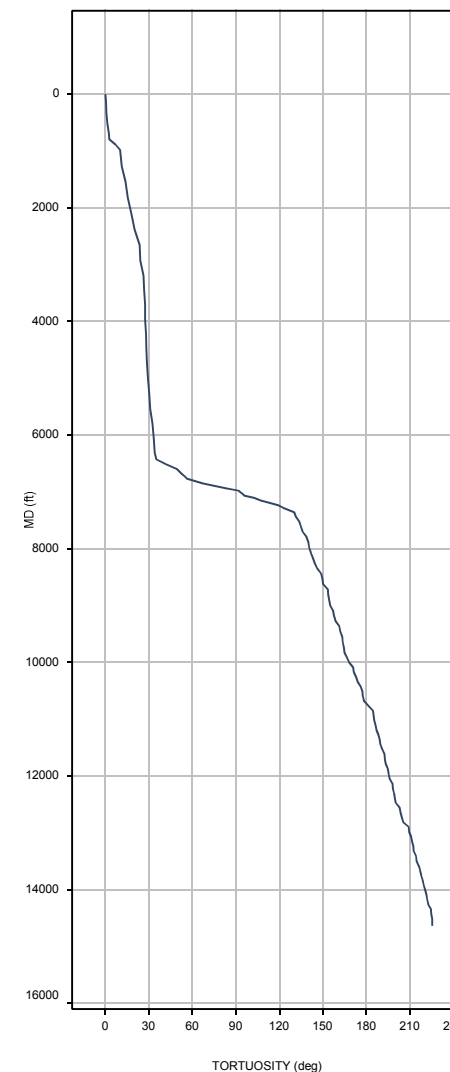
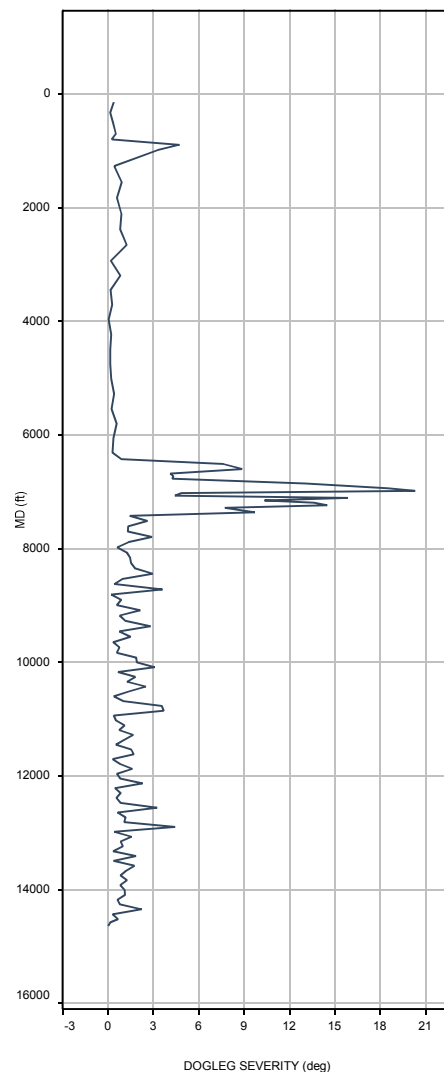
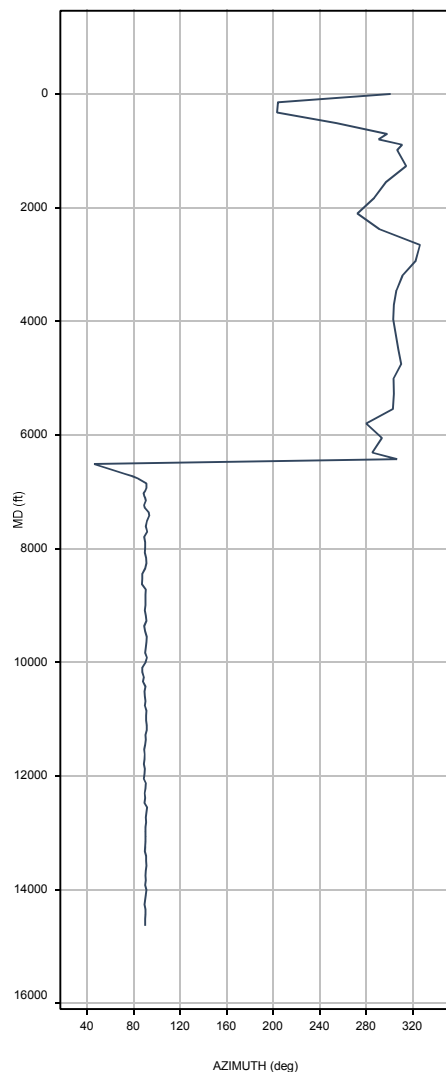
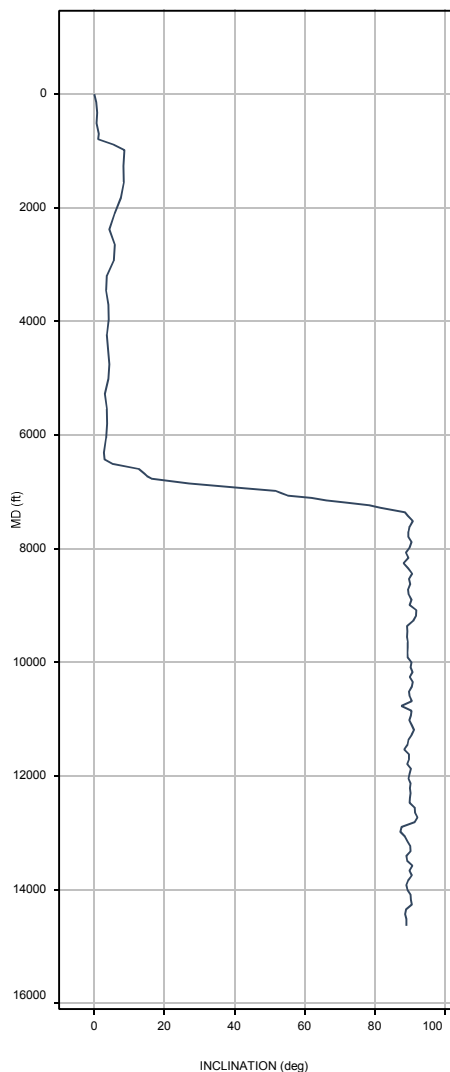
Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
0.00	0.00	0.00	0.00	Tie Into Surface
142.00	142.00	-0.60	-0.27	First Pathfinder MWD
14,576.00	7,074.04	271.22	7,327.45	Final Pathfinder MWD
14,640.00	7,075.26	271.36	7,391.44	Projection to Bit

Checked By: _____	Approved By: _____	Date: _____
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Extraction Oil & Gas

Borehole:	Well:	Field:	Structure:
Original Hole	Nelson Farm #03	CO, Weld County (NAD 83 NZ) Extraction 2014	Sec.28-T07N-R67W (Nelson Farm Pad)

Gravity & Magnetic Parameters					Surface Location				NAD83 Colorado State Plane, Northern Zone, US Feet				Miscellaneous			
Model:	BGGM 2014	Dip:	67.028°	Date:	25-Sep-2014	Lat:	N 40 33 1.64	Northing:	1443923.779ftUS	Grid Conv:	0.3836°	Slot:	Nelson Farm #03	TVD Ref:	KB - 16'(4989ft above MSL)	
MagDec:	8.601°	FS:	52746.792nT	Gravity FS:	999.039mgn (9.80665 Based)	Lon:	W 104 54 23.01	Easting:	3164958.072ftUS	Scale Fact:	0.9999705	Plan:	Nelson Farm #03 Pathfinder MWD			



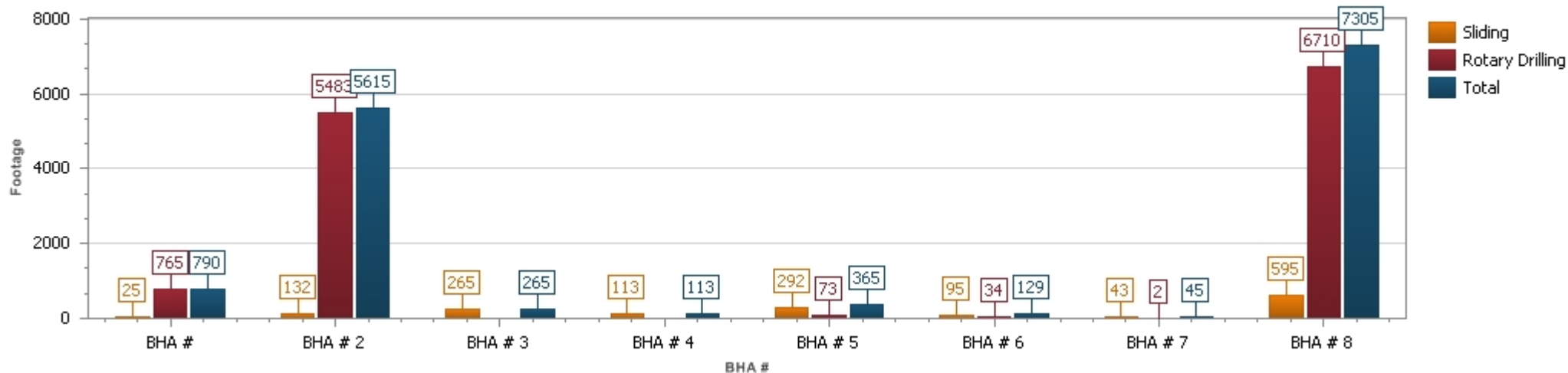


Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

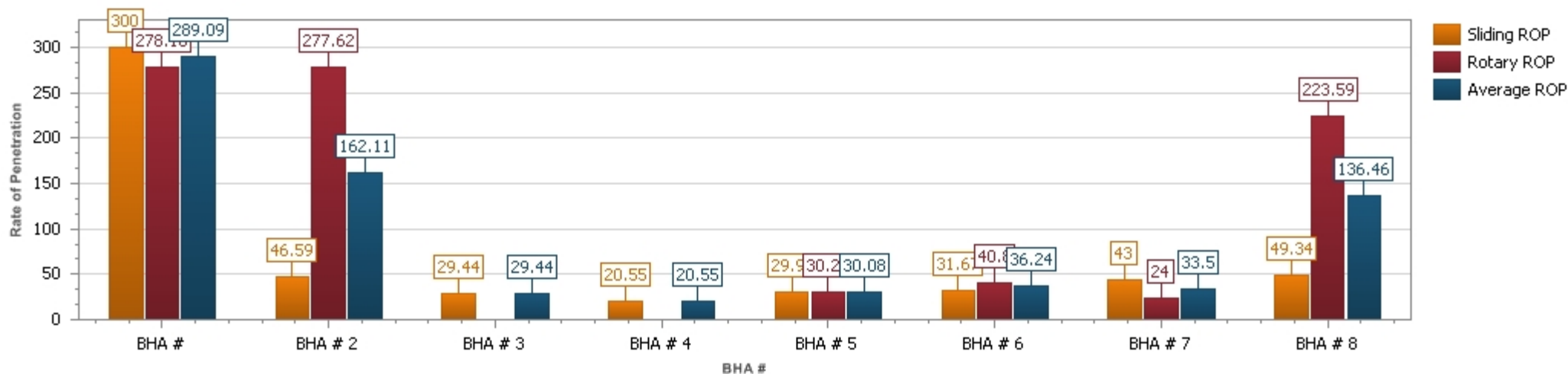
Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2: lbm/bbl • PRE_2: lbf/100ft2 • VIS_1: s/qt • VIS_2: cP • SMAS: I

Footage Drilled for BHA



ROP vs BHA



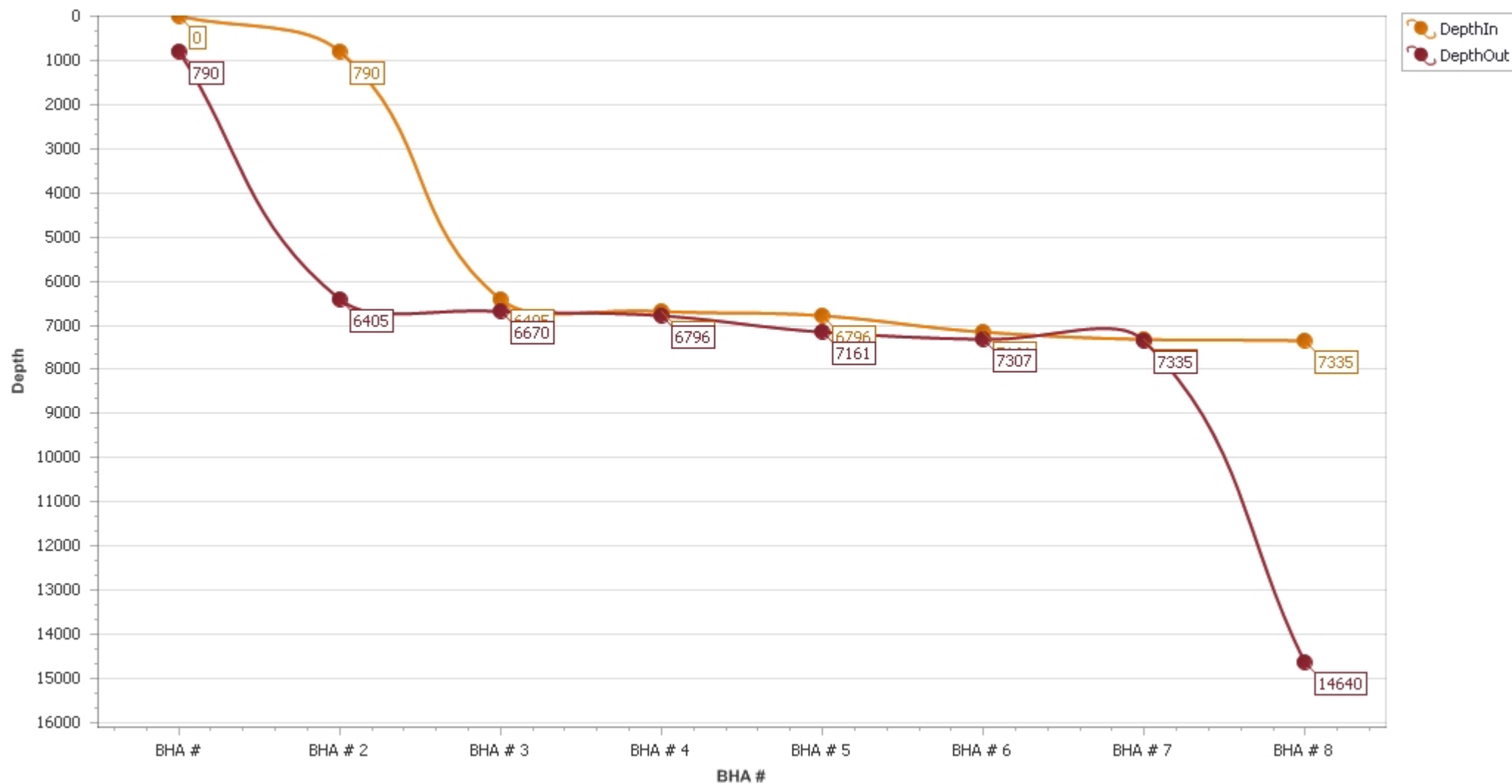


Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2: lbm/bbl • PRE_2: lbf/100ft2 • VIS_1: s/qt • VIS_2: cP • SMAS: I

Depth vs BHA



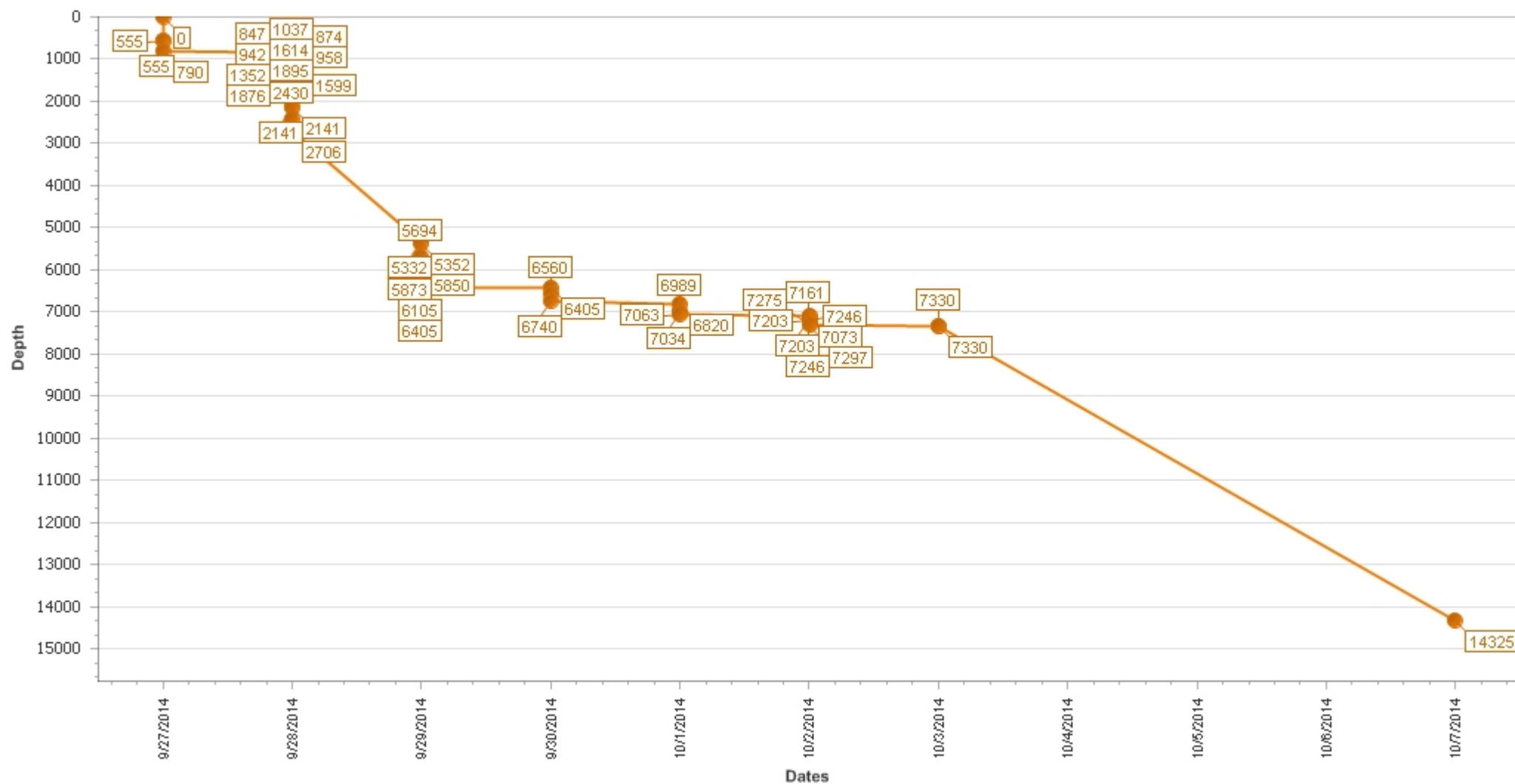


Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2: lbm/bbl • PRE_2: lb/100ft2 • VIS_1: s/qt • VIS_2: cP • SMAS: I

Depth vs Days



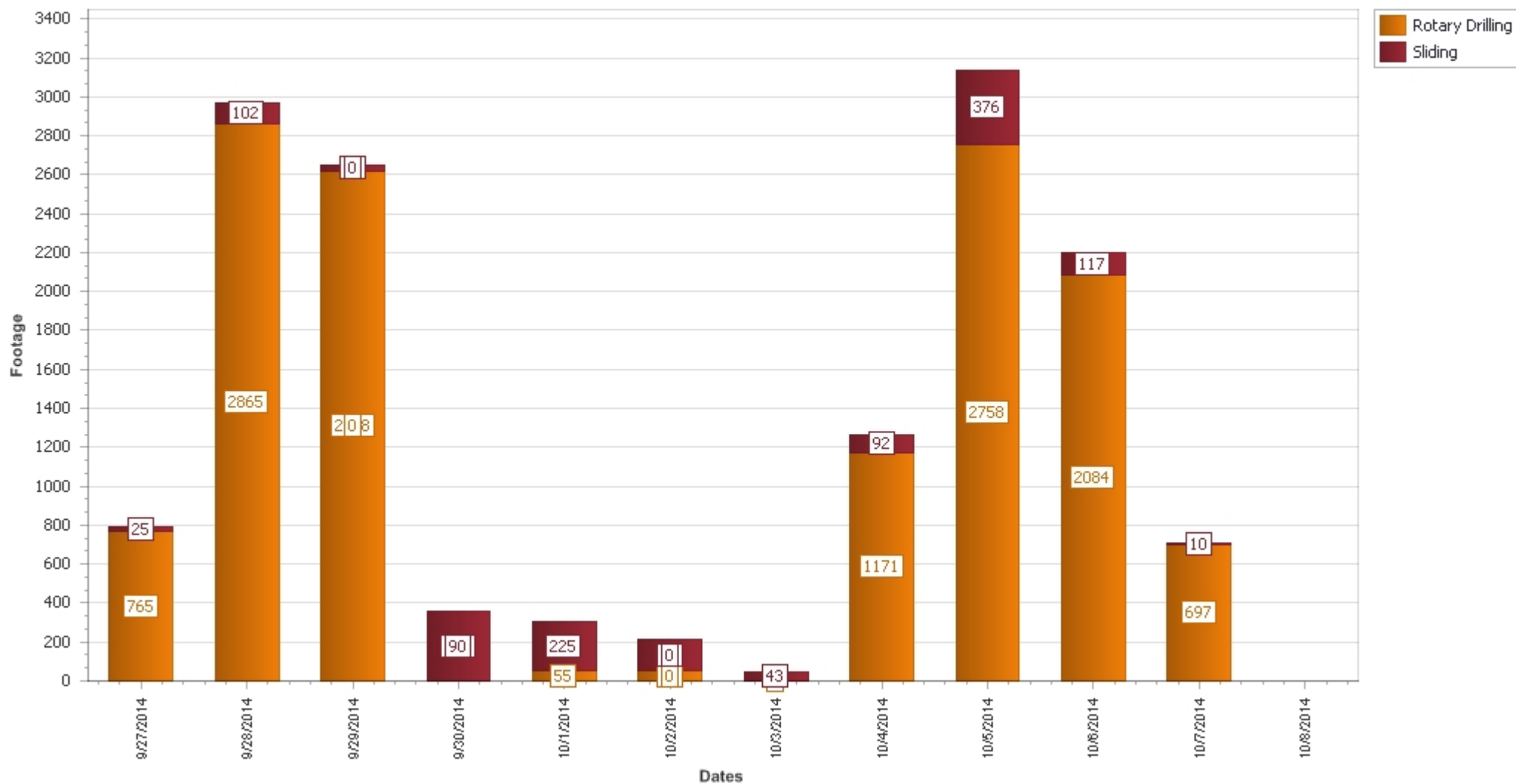


Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2: lbm/bbl • PRE_2: lbf/100ft2 • VIS_1: s/qt • VIS_2: cP • SMAS: I

Daily Footage



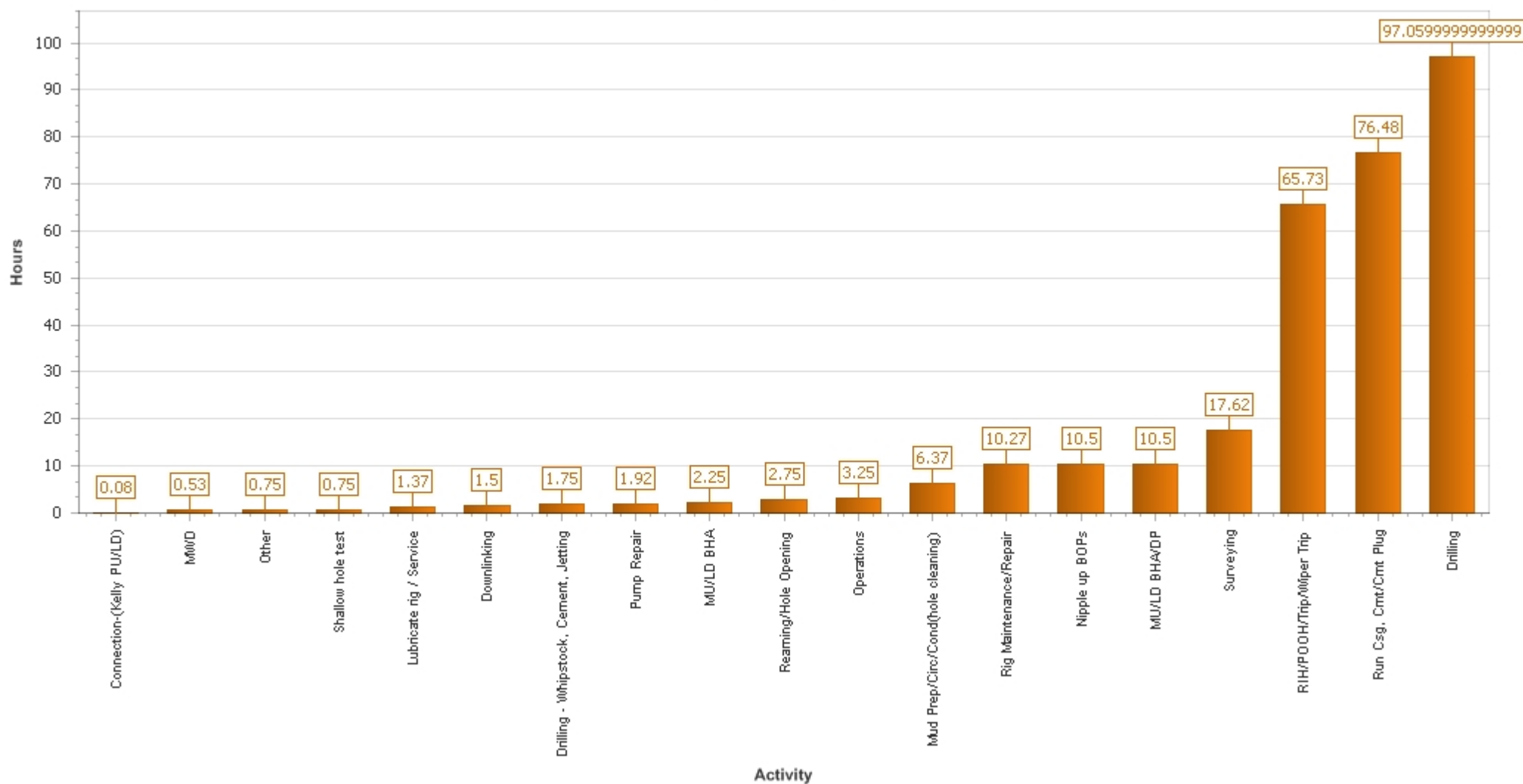


Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2: lbm/bbl • PRE_2: lbf/100ft2 • VIS_1: s/qt • VIS_2: cP • SMAS: I

Activity Histogram



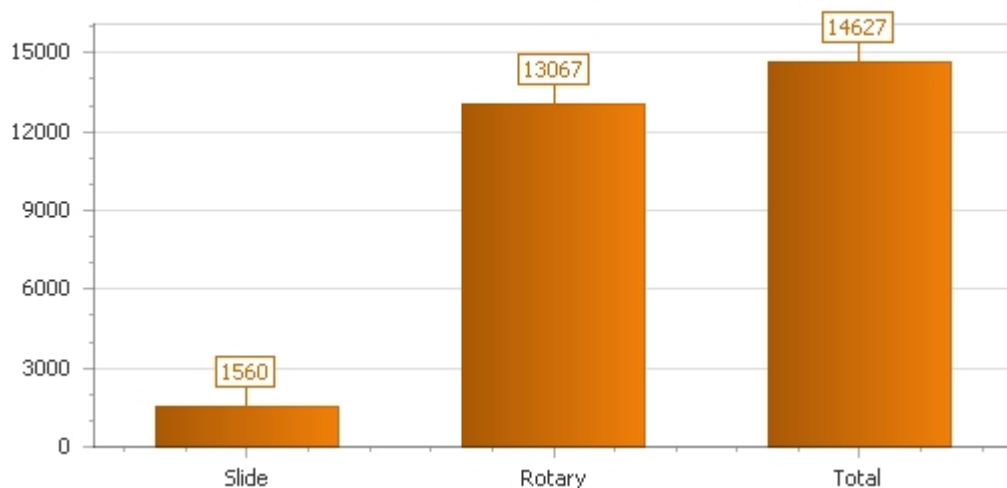


Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

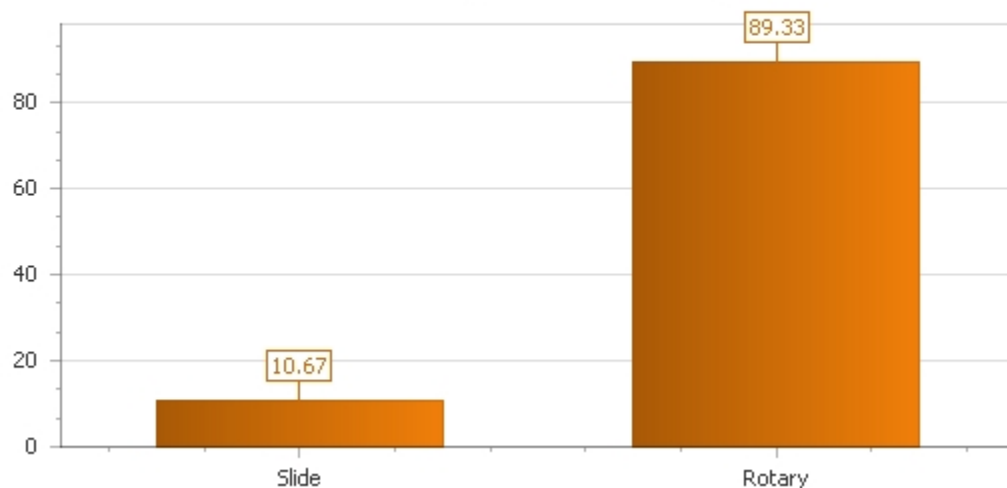
Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2: lbm/bbl • PRE_2: lb/100ft2 • VIS_1: s/qt • VIS_2: cP • SMAS: I

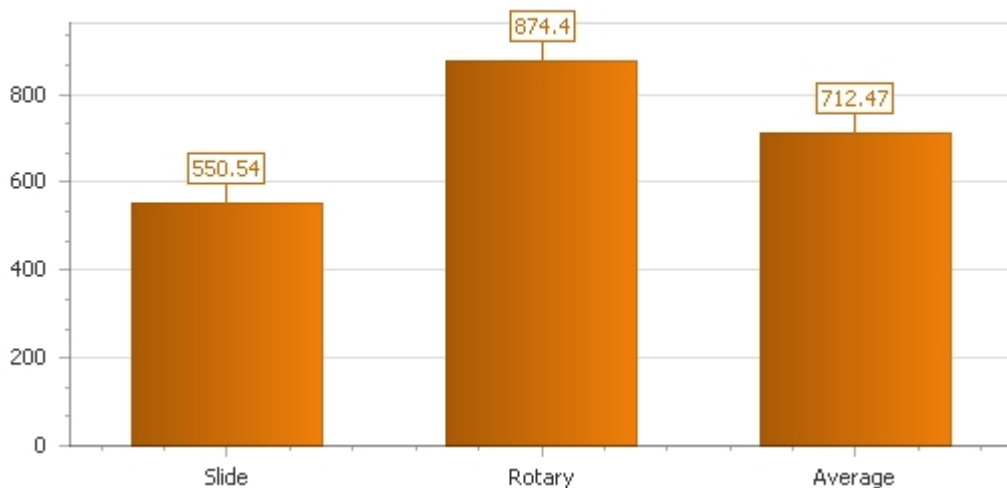
Totals for Footage Drilled



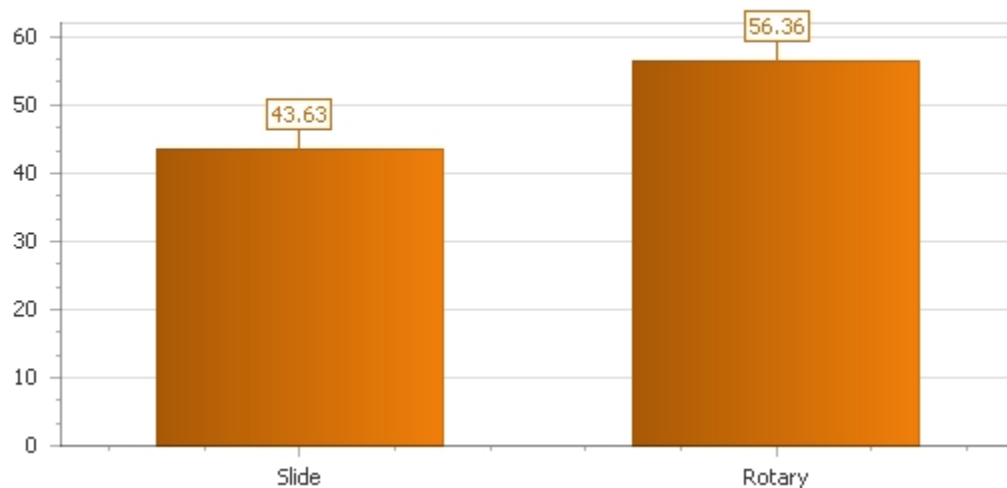
Percentage of Footage



Rate of Penetration



Percentage of Total Time



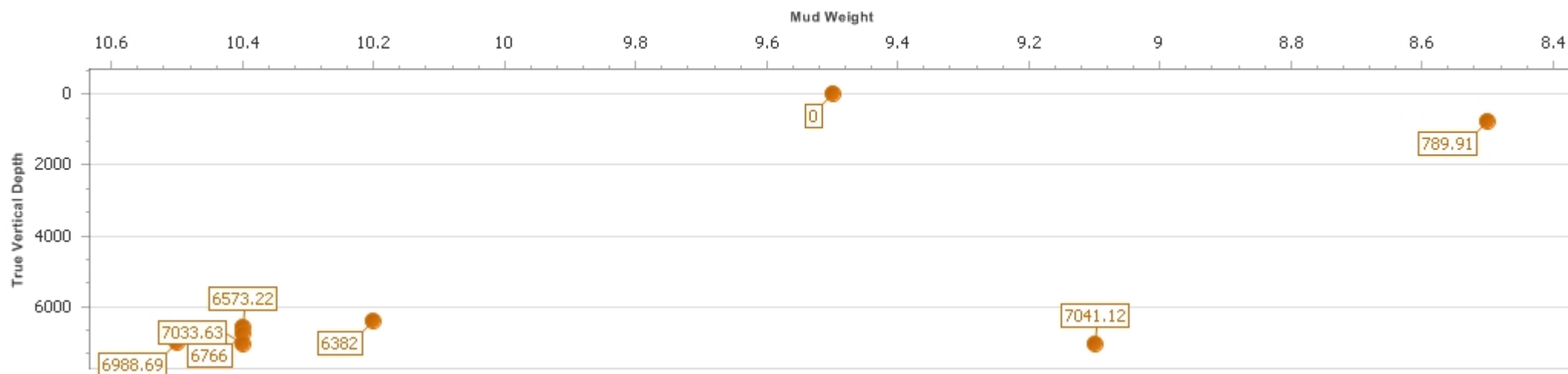


Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

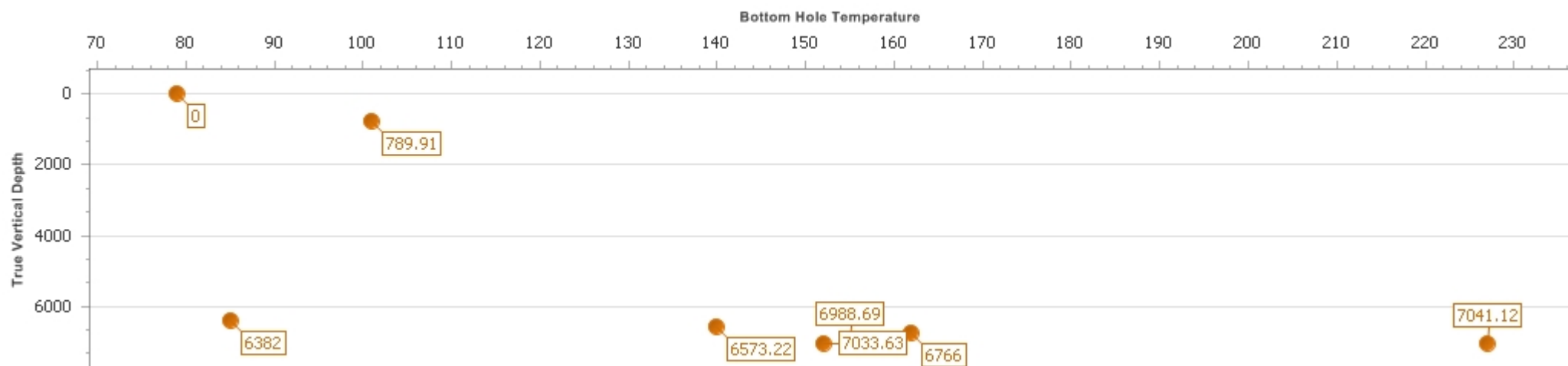
Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2: lbm/bbl • PRE_2: lbf/100ft2 • VIS_1: s/qt • VIS_2: cP • SMAS: I

Mud Weight vs TVD Depth



Bottom Hole Temp vs TVD Depth





Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
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Well County: Weld
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Co. Man: Brandon

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Daily Report for Saturday, September, 27 2014

From: Sep-26-2014 00:00 To: Sep-27-2014 00:00

DRILLING SUMMARY								DRILLING PARAMETERS											
Start Depth	0		Rotary Hours					WOB Rot			PU			Slack Off					
End Depth	0		Total Circu. Hours					WOB Slid			SPP			Flow Rate					
Total Drilled			Avg. Total ROP					RAB			SPM								
Total Rotary Drilled			Avg. Rotary ROP					MUD DATA											
Total Sliding Drilled			Avg. Slide ROP					Type					PV			SOLID			
Slide Hours			Percent Rotary					Weight			Gas			YP			BHT°		
Below Rotary Hrs			Percent Slide					Viscosity			Sand			PH			Flow T°		
							Chlorides			WL					Oil%				
PERSONNEL								CASING											
Directional Company								Size				Set Depth							
Company Man				Brandon				30											
MLWD - Cell Manager				Schmidt, William J				DAILY COST											
MLWD				Smith, Eric				Daily Cost: Cumulative Cost: Signature:											
DD				Kamrath, Marty															
Incl. In	0	Azm. In	0	Incl. Out	1.32	Azm. Out	297.91												
BHA & COMMENTS																			
Standby for Cement and Skidding of rig																			
FORECAST NEXT 24																			
Standby for Cement and Skidding of rig																			
DD JOURNAL																			
Date	Start	End	Hours	Start	End	Activity	Comment												
26-Sep-14	00:00	00:00	24	0	0	Standby													
MWD JOURNAL																			
Date	Start	End	Hours	Start	End	Activity	Comment												
26-Sep-14	00:00	00:00	24	0	0	Run Csg, Cmt/Cmt Plug	Standby for Rig skid												

Run Statistics Calculated from MWD Journal



Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

Daily Report for Sunday, September, 28 2014

From: Sep-27-2014 00:00 To: Sep-28-2014 00:00

DRILLING SUMMARY				DRILLING PARAMETERS							
Start Depth	0	Rotary Hours	2.75	WOB Rot	38.33	PU		Slack Off			
End Depth	0	Total Circu. Hours	4.67	WOB Slid	20.00	SPP	3,570.00	Flow Rate		750.00 - 798.00	
Total Drilled	790	Avg. Total ROP	121.54	RAB		SPM	115.00				
Total Rotary Drilled	765	Avg. Rotary ROP	278.18	MUD DATA							
Total Sliding Drilled	25	Avg. Slide ROP	300.00	Type	Water Base		PV	7	SOLID	7.00	
Slide Hours	0.08	Percent Rotary	96.84%	Weight	9.50	Gas		YP	9	BHT°	91
Below Rotary Hrs	6.50	Percent Slide	3.16%	Viscosity	35	Sand	0.25	PH	8.5	Flow T°	98.00
				Chlorides	200	WL	8.40			Oil%	

PERSONNEL								CASING			
Directional Company								Size		Set Depth	
Company Man				Brandon				30			
MLWD - Cell Manager				Schmidt, William J				DAILY COST			
MLWD				Smith, Eric				Daily Cost: Cumulative Cost: Signature:			
DD				Kamrath, Marty							
Incl. In	0	Azm. In	0	Incl. Out	1.32	Azm. Out	297.91				

BHA & COMMENTS

Spud and drill surface. Currently on standby for nipple up and pressure test.

FORECAST NEXT 24

P/U tools and drill vertical

DD JOURNAL							
Date	Start	End	Hours	Start	End	Activity	Comment
27-Sep-14	00:00	05:30	5.5	0	0	Standby	
27-Sep-14	05:30	06:15	0.75	0	0	Pick Up BHA	
27-Sep-14	06:15	07:20	1.08	0	185	Rotating	
27-Sep-14	07:20	07:30	0.17	185	185	MWD Survey & Conn.	
27-Sep-14	07:30	08:20	0.83	185	185	Rig Repair - Inhole	Pumps
27-Sep-14	08:20	08:50	0.5	185	370	Rotating	
27-Sep-14	08:50	09:00	0.17	370	370	MWD Survey & Conn.	
27-Sep-14	09:00	09:40	0.67	370	555	Rotating	
27-Sep-14	09:40	09:45	0.08	555	555	MWD Survey & Conn.	
27-Sep-14	09:45	09:50	0.08	555	580	Sliding	25' @ 330M
27-Sep-14	09:50	10:10	0.33	580	743	Rotating	
27-Sep-14	10:10	10:15	0.08	743	743	MWD Survey & Conn.	

Run Statistics Calculated from MWD Journal



Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

DD JOURNAL

Date	Start	End	Hours	Start	End	Activity	Comment
27-Sep-14	10:15	10:25	0.17	743	790	Rotating	Surface TD
27-Sep-14	10:25	11:25	1	790	790	Circulating	
27-Sep-14	11:25	11:45	0.33	790	100	POOH	
27-Sep-14	11:45	12:45	1	100	0	Lay Down BHA	
27-Sep-14	12:45	00:00	11.25	0	0	Standby	

MWD JOURNAL

Date	Start	End	Hours	Start	End	Activity	Comment
27-Sep-14	00:00	05:30	5.5	0	0	Run Csg, Cmt/Cmt Plug	Standby to PU surface BHA
27-Sep-14	05:30	06:15	0.75	0	0	MU/LD BHA/DP	PU BHA
27-Sep-14	06:15	06:15	0	0	0	Run Start - TBRT	Start run #1
27-Sep-14	06:15	07:25	1.17	0	185	Drilling	Spud and Drill
27-Sep-14	07:25	07:30	0.08	185	185	Surveying	C/S
27-Sep-14	07:30	08:20	0.83	185	185	Pump Repair	Pump issues.
27-Sep-14	08:20	08:55	0.58	185	370	Drilling	Rot
27-Sep-14	08:55	09:00	0.08	370	370	Surveying	C/S
27-Sep-14	09:00	09:35	0.58	370	555	Drilling	Rot
27-Sep-14	09:35	09:40	0.08	555	555	Surveying	C/S
27-Sep-14	09:40	10:15	0.58	555	743	Drilling	Rot
27-Sep-14	10:15	10:20	0.08	743	743	Surveying	C/S
27-Sep-14	10:20	10:30	0.17	743	790	Drilling	TD Surface.
27-Sep-14	10:30	11:10	0.67	790	790	Mud Prep/Circ/Cond(hol	Circ
27-Sep-14	11:10	12:00	0.83	790	0	RIH/POOH/Trip/Wiper Tr	Pooh
27-Sep-14	12:00	12:45	0.75	0	0	MU/LD BHA/DP	LD BHA
27-Sep-14	12:45	12:45	0	0	0	Run End - TART	End run #1.
27-Sep-14	12:45	00:00	11.25	0	0	Run Csg, Cmt/Cmt Plug	Standby for Nudge BHA.



Job Number: 14CAS0370
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Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

Daily Report for Monday, September, 29 2014

From: Sep-28-2014 00:00 To: Sep-29-2014 00:00

DRILLING SUMMARY								DRILLING PARAMETERS												
Start Depth		0		Rotary Hours		6.58		WOB Rot		20.00		PU	45.00		Slack Off		40.00			
End Depth		3,757		Total Circu. Hours		10.33		WOB Slid		20.00		SPP	2,950.00		Flow Rate		584.00 - 584.00			
Total Drilled		2,967		Avg. Total ROP		242.20		RAB		38.00		SPM	138.00							
Total Rotary Drilled		2,865		Avg. Rotary ROP		435.19		MUD DATA												
Total Sliding Drilled		102		Avg. Slide ROP		81.60		Type		Water Base			PV	1		SOLID	1.00			
Slide Hours		1.25		Percent Rotary		96.56%		Weight		8.50	Gas			YP			BHT°	101		
Below Rotary Hrs		12.25		Percent Slide		3.44%		Viscosity		27		Sand	0.01		PH	12.0		Flow T°		
								Chlorides	50		WL					Oil%				
PERSONNEL								CASING												
Directional Company								Size				Set Depth								
Company Man				Brandon				9.625				772								
MLWD - Cell Manager				Thomason, Russell				DAILY COST												
MLWD				Smith, Eric				Daily Cost: Cumulative Cost: Signature:												
DD - Cell Manager				Kamrath, Marty																
Incl. In	1.32	Azm. In	297.91	Incl. Out	2.73	Azm. Out	285.16													
BHA & COMMENTS																				
Drilling ahead in vertical																				
FORECAST NEXT 24																				
Drill vertical to KOP POOH for bit and motor drill Curve																				
DD JOURNAL																				
Date		Start	End	Hours	Start	End	Activity			Comment										
28-Sep-14		11:45	12:15	0.5	0	690	TIH													
28-Sep-14		12:15	14:45	2.5	690	790	Drilling Cement													
28-Sep-14		14:45	15:00	0.25	790	847	Rotating													
28-Sep-14		15:00	15:05	0.08	847	847	MWD Survey & Conn.													
28-Sep-14		15:05	15:15	0.17	847	867	Sliding			20' @ 310M										
28-Sep-14		15:15	15:30	0.25	867	942	Rotating													
28-Sep-14		15:30	15:35	0.08	942	942	MWD Survey & Conn.													
28-Sep-14		15:35	15:40	0.08	942	954	Sliding			12' @ 290M										
28-Sep-14		15:40	15:55	0.25	954	1037	Rotating													
28-Sep-14		15:55	16:00	0.08	1037	1037	MWD Survey & Conn.													
28-Sep-14		16:00	16:35	0.58	1037	1318	Rotating													
28-Sep-14		16:35	16:40	0.08	1318	1318	MWD Survey & Conn.													

Run Statistics Calculated from MWD Journal



Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

DD JOURNAL							
Date	Start	End	Hours	Start	End	Activity	Comment
28-Sep-14	16:40	16:45	0.08	1318	1340	Rotating	
28-Sep-14	16:45	16:50	0.08	1340	1350	Sliding	10' @ 230M
28-Sep-14	16:50	17:25	0.58	1350	1599	Rotating	
28-Sep-14	17:25	17:30	0.08	1599	1599	MWD Survey & Conn.	
28-Sep-14	17:30	17:35	0.08	1599	1609	Sliding	10' @ 120M
28-Sep-14	17:35	18:20	0.75	1609	1877	Rotating	
28-Sep-14	18:20	18:30	0.17	1877	1877	MWD Survey & Conn.	
28-Sep-14	18:30	18:35	0.08	1877	1887	Sliding	10' @ 110M
28-Sep-14	18:35	18:35	0	1887	2153	Rotating	
28-Sep-14	18:35	19:05	0.5	2153	2173	Sliding	20' @ 360M
28-Sep-14	19:05	19:55	0.83	2173	2430	Rotating	
28-Sep-14	19:55	20:05	0.17	2430	2430	MWD Survey & Conn.	
28-Sep-14	20:05	20:20	0.25	2430	2450	Sliding	20' @ 30M
28-Sep-14	20:20	21:10	0.83	2450	2706	Rotating	
28-Sep-14	21:10	21:20	0.17	2706	2706	MWD Survey & Conn.	
28-Sep-14	21:20	22:40	1.33	2706	3245	Rotating	
28-Sep-14	22:40	22:50	0.17	3245	3245	MWD Survey & Conn.	
28-Sep-14	22:50	23:10	0.33	3245	3501	Rotating	
28-Sep-14	23:10	23:20	0.17	3501	3501	MWD Survey & Conn.	
28-Sep-14	23:20	23:50	0.5	3501	3757	Rotating	
28-Sep-14	23:50	00:00	0.17	3757	3757	MWD Survey & Conn.	
MWD JOURNAL							
Date	Start	End	Hours	Start	End	Activity	Comment
28-Sep-14	00:00	10:30	10.5	0	0	Nipple up BOPs	Nipple up and test BOP
28-Sep-14	10:30	11:45	1.25	0	0	MU/LD BHA/DP	PU BHA
28-Sep-14	11:45	11:45	0	0	0	Run Start - TBRT	Start Run #2
28-Sep-14	11:45	13:50	2.08	0	690	RIH/POOH/Trip/Wiper Tr	Trip in hole
28-Sep-14	13:50	14:45	0.92	690	790	Drilling - Whipstock, Ce	Drill cement
28-Sep-14	14:45	14:55	0.17	790	847	Drilling	Rotate
28-Sep-14	14:55	15:05	0.17	847	847	Surveying	Connection/Survey @ 796' MD
28-Sep-14	15:05	15:15	0.17	847	874	Drilling	Slide
28-Sep-14	15:15	15:25	0.17	874	942	Drilling	Rotate
28-Sep-14	15:25	15:35	0.17	942	942	Surveying	Connection/Survey @ 891' MD
28-Sep-14	15:35	15:40	0.08	942	958	Drilling	Slide
28-Sep-14	15:40	15:50	0.17	958	1037	Drilling	Rotate
28-Sep-14	15:50	15:55	0.08	1037	1037	Surveying	Connection/Survey @ 986' MD
28-Sep-14	15:55	16:30	0.58	1037	1317	Drilling	Rotate
28-Sep-14	16:30	16:35	0.08	1317	1317	Surveying	Connection/Survey @ 1267' MD
28-Sep-14	16:35	16:40	0.08	1317	1340	Drilling	Rotate
28-Sep-14	16:40	16:50	0.17	1340	1352	Drilling	Slide
28-Sep-14	16:50	17:20	0.5	1352	1599	Drilling	Rotate
28-Sep-14	17:20	17:30	0.17	1599	1599	Surveying	Connection/Survey @ 1548' MD

Run Statistics Calculated from MWD Journal



Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

28-Sep-14	17:30	17:35	0.08	1599	1614	Drilling	Rotate
28-Sep-14	17:35	17:40	0.08	1614	1627	Drilling	Slide
28-Sep-14	17:40	18:11	0.52	1627	1876	Drilling	Rotate
28-Sep-14	18:11	18:21	0.17	1876	1876	Surveying	C/S @ 1826'md
28-Sep-14	18:21	18:30	0.15	1876	1895	Drilling	Sliding
28-Sep-14	18:30	19:02	0.53	1895	2141	Drilling	Rot
28-Sep-14	19:02	19:14	0.2	2141	2141	Surveying	C/S @2102' md
28-Sep-14	19:14	19:56	0.7	2141	2430	Drilling	Rot
28-Sep-14	19:56	20:07	0.18	2430	2430	Surveying	C/S @ 2379'md
28-Sep-14	20:07	20:21	0.23	2430	2456	Drilling	Sliding
28-Sep-14	20:21	21:05	0.73	2456	2706	Drilling	Rot
28-Sep-14	21:05	21:16	0.18	2706	2706	Surveying	C/S @ 2655'md
28-Sep-14	21:16	21:56	0.67	2706	2984	Drilling	Rot
28-Sep-14	21:56	22:06	0.17	2984	2998	Drilling	Sliding
28-Sep-14	22:06	22:36	0.5	2998	3245	Drilling	Rot
28-Sep-14	22:36	22:42	0.1	3245	3245	Surveying	C/S @2932'md
28-Sep-14	22:42	23:13	0.52	3245	3501	Drilling	Rot
28-Sep-14	23:13	23:19	0.1	3501	3501	Surveying	C/S @ 3450'md
28-Sep-14	23:19	23:51	0.53	3501	3757	Drilling	Rot
28-Sep-14	23:51	23:58	0.12	3757	3757	Surveying	C/S @3706'md
28-Sep-14	23:58	00:00	0.03	3757	3783	Drilling	Rot



Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

Daily Report for Tuesday, September, 30 2014

From: Sep-29-2014 00:00 To: Sep-30-2014 00:00

DRILLING SUMMARY								DRILLING PARAMETERS															
Start Depth		3,757		Rotary Hours		0.00		WOB Rot				PU				Slack Off							
End Depth		5,000		Total Circu. Hours		0.00		WOB Slid				SPP				Flow Rate							
Total Drilled		0		Avg. Total ROP				RAB				SPM											
Total Rotary Drilled		0		Avg. Rotary ROP				MUD DATA															
Total Sliding Drilled		0		Avg. Slide ROP				Type		Fresh Water				PV		8		SOLID					
Slide Hours		0.00		Percent Rotary				Weight		10.20		Gas				YP		7		BHT°			
Below Rotary Hrs		2.17		Percent Slide				Viscosity		34		Sand				PH		8.5		Flow T°		112.00	
								Chlorides				WL						Oil%		0.00			
PERSONNEL								CASING															
Directional Company								Size						Set Depth									
Company Man				Brandon				9.62						772									
MLWD				Smith, Eric				DAILY COST															
DD - Cell Manager				Kamrath, Marty				Daily Cost: Cumulative Cost: Signature:															
MLWD - Cell Manager				Thomason, Russell																			
DD				Harwood, Richard																			
Incl. In	2.73	Azm. In	285.16	Incl. Out	12.66	Azm. Out	58.93																
BHA & COMMENTS																							
TIH with Curve assy. Drilling Curve																							
FORECAST NEXT 24																							
Drilling and landing Curve																							
DD JOURNAL																							
Date	Start	End	Hours	Start	End	Activity				Comment													
29-Sep-14	00:00	00:45	0.75	3757	4016	Rotating																	
29-Sep-14	00:45	00:55	0.17	4016	4016	MWD Survey & Conn.																	
29-Sep-14	00:55	01:40	0.75	4016	4283	Rotating																	
29-Sep-14	01:40	01:50	0.17	4283	4283	MWD Survey & Conn.																	
29-Sep-14	01:50	02:30	0.67	4283	4586	Rotating																	
29-Sep-14	02:30	02:40	0.17	4586	4586	MWD Survey & Conn.																	
29-Sep-14	02:40	03:30	0.83	4586	4806	Rotating																	
29-Sep-14	03:30	03:40	0.17	4806	4806	MWD Survey & Conn.																	
29-Sep-14	03:40	05:00	1.33	4806	5062	Rotating																	
29-Sep-14	05:00	05:10	0.17	5062	5062	MWD Survey & Conn.																	
29-Sep-14	05:10	06:45	1.58	5062	5327	Rotating																	
29-Sep-14	06:45	06:50	0.08	5327	5327	MWD Survey & Conn.																	

Run Statistics Calculated from MWD Journal



Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

DD JOURNAL							
Date	Start	End	Hours	Start	End	Activity	Comment
29-Sep-14	06:50	07:30	0.67	5327	5339	Sliding	12' @ 290M
29-Sep-14	07:30	09:10	1.67	5339	5594	Rotating	
29-Sep-14	09:10	09:20	0.17	5594	5594	MWD Survey & Conn.	
29-Sep-14	09:20	09:45	0.42	5594	5679	Rotating	
29-Sep-14	09:45	10:20	0.58	5679	5691	Sliding	
29-Sep-14	10:20	11:20	1	5691	5850	Rotating	
29-Sep-14	11:20	11:30	0.17	5850	5850	MWD Survey & Conn.	
29-Sep-14	11:30	11:50	0.33	5850	5856	Sliding	6' @ 20M
29-Sep-14	11:50	13:50	2	5856	6105	Rotating	
29-Sep-14	13:50	14:00	0.17	6105	6105	MWD Survey & Conn.	
29-Sep-14	14:00	15:40	1.67	6105	6361	Rotating	
29-Sep-14	15:40	15:50	0.17	6361	6361	MWD Survey & Conn.	
29-Sep-14	15:50	16:20	0.5	6361	6405	Rotating	
29-Sep-14	16:20	16:30	0.17	6405	6405	MWD Survey & Conn.	
29-Sep-14	16:30	17:30	1	6405	6405	Circulating	
29-Sep-14	17:30	20:00	2.5	6405	6405	POOH	
29-Sep-14	21:50	22:40	0.83	0	1600	TIH	
29-Sep-14	22:40	22:40	0	1600	1600	Circulating	Test MWD
29-Sep-14	22:40	00:00	1.33	1600	5000	TIH	
MWD JOURNAL							
Date	Start	End	Hours	Start	End	Activity	Comment
29-Sep-14	00:00	00:17	0.28	3783	3928	Drilling	Rot
29-Sep-14	00:17	00:38	0.35	3928	3928	Rig Maintenance/Repair	Rig Service
29-Sep-14	00:38	00:48	0.17	3928	4017	Drilling	Rot Start logging
29-Sep-14	00:48	00:53	0.08	4017	4017	Surveying	C/S @3965'md
29-Sep-14	00:53	01:41	0.8	4017	4284	Drilling	Rot
29-Sep-14	01:41	01:50	0.15	4284	4284	Surveying	C/S @4232'md
29-Sep-14	01:50	02:30	0.67	4284	4552	Drilling	Rot
29-Sep-14	02:30	02:41	0.18	4552	4552	Surveying	C/S @4495' md
29-Sep-14	02:41	03:36	0.92	4552	4801	Drilling	Rot
29-Sep-14	03:36	03:43	0.12	4801	4801	Surveying	C/S @4755'md
29-Sep-14	03:43	05:00	1.28	4801	5062	Drilling	Rot
29-Sep-14	05:00	05:10	0.17	5062	5062	Surveying	Connection/Survey @ 5011' MD
29-Sep-14	05:10	05:55	0.75	5062	5237	Drilling	Rotate
29-Sep-14	05:55	06:20	0.42	5237	5237	Pump Repair	Blew nails multiple times
29-Sep-14	06:20	06:40	0.33	5237	5327	Drilling	Rotate
29-Sep-14	06:40	06:50	0.17	5327	5327	Surveying	Connection/Survey @ 5276' MD
29-Sep-14	06:50	06:55	0.08	5327	5332	Drilling	Rotate
29-Sep-14	06:55	07:40	0.75	5332	5352	Drilling	Slide
29-Sep-14	07:40	09:10	1.5	5352	5594	Downlinking	Rotate
29-Sep-14	09:10	09:20	0.17	5352	5352	Surveying	Connection/Survey @ 5543' MD
29-Sep-14	09:20	09:50	0.5	5352	5678	Drilling	Rotate

Run Statistics Calculated from MWD Journal



Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

29-Sep-14	09:50	10:20	0.5	5678	5694	Drilling	Slide
29-Sep-14	10:20	11:15	0.92	5694	5850	Drilling	Rotate
29-Sep-14	11:15	11:20	0.08	5850	5850	Surveying	Connection/Survey @ 5799' MD
29-Sep-14	11:20	11:35	0.25	5850	5873	Drilling	Rotate
29-Sep-14	11:35	12:05	0.5	5873	5879	Drilling	Slide
29-Sep-14	12:05	13:45	1.67	5879	6105	Drilling	Rotate
29-Sep-14	13:45	13:55	0.17	6105	6105	Surveying	Connection/Survey @ 6054' MD
29-Sep-14	13:55	15:40	1.75	6105	6361	Drilling	Rotate
29-Sep-14	15:40	15:50	0.17	6361	6361	Surveying	Connection/Survey @ 6310' MD
29-Sep-14	15:50	16:00	0.17	6361	6405	Drilling	Rotate
29-Sep-14	16:00	16:38	0.63	6405	6405	Mud Prep/Circ/Cond(hol	Circulate
29-Sep-14	16:38	20:00	3.37	0	0	RIH/POOH/Trip/Wiper Tr	Above Rotary
29-Sep-14	20:00	20:00	0	0	0	Run End - TART	End Run 2
29-Sep-14	20:00	21:50	1.83			MU/LD BHA/DP	Change BHA to Curve assy
29-Sep-14	21:50	21:50	0	0	0	Run Start - TBRT	
29-Sep-14	21:50	22:58	1.13	0	2120	RIH/POOH/Trip/Wiper Tr	TIH
29-Sep-14	22:58	23:30	0.53			MWD	Test MWD
29-Sep-14	23:30	00:00	0.5	2120	3189	RIH/POOH/Trip/Wiper Tr	TIH



Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

Daily Report for Wednesday, October, 01 2014

From: Sep-30-2014 00:00 To: Oct-01-2014 00:00

DRILLING SUMMARY								DRILLING PARAMETERS															
Start Depth		5,000		Rotary Hours		0.00		WOB Rot				PU		110.00		Slack Off		90.00					
End Depth		6,760		Total Circu. Hours		2.50		WOB Slid		10.00		SPP		3,500.00		Flow Rate		550.00 - 550.00					
Total Drilled		90		Avg. Total ROP		15.00		RAB		80.00		SPM		150.00									
Total Rotary Drilled		0		Avg. Rotary ROP				MUD DATA															
Total Sliding Drilled		90		Avg. Slide ROP		36.00		Type						PV				SOLID					
Slide Hours		2.50		Percent Rotary		0%		Weight				Gas				YP				BHT°		140	
Below Rotary Hrs		6.00		Percent Slide		100%		Viscosity				Sand				PH				Flow T°			
								Chlorides				WL						Oil%					
PERSONNEL								CASING															
Directional Company								Size				Set Depth											
Company Man				Brandon				9.62				772											
MLWD				Smith, Eric				DAILY COST															
MLWD - Cell Manager				Thomason, Russell				Daily Cost: Cumulative Cost: Signature:															
DD				Harwood, Richard																			
DD - Cell Manager				Kamrath, Marty																			
Incl. In	12.66	Azm. In	58.93	Incl. Out	15.04	Azm. Out	78.71																
BHA & COMMENTS																							
POOH for Motor																							
FORECAST NEXT 24																							
POOH for motor TIH drill curve.																							
DD JOURNAL																							
Date		Start	End	Hours		Start		End		Activity				Comment									
30-Sep-14		00:00	02:00	2		5000		6405		TIH													
30-Sep-14		02:00	04:35	2.58		6405		6478		Sliding													
30-Sep-14		04:35	04:45	0.17		6478		6478		MWD Survey & Conn.													
30-Sep-14		04:45	06:50	2.08		6478		6563		Sliding				85' @ 75M									
30-Sep-14		06:50	07:35	0.75		6563		6563		Rig Repair - Inhole				Pumps									
30-Sep-14		07:35	07:40	0.08		6563		6563		MWD Survey & Conn.													
30-Sep-14		07:40	10:30	2.83		6563		6648		Sliding				85' @ 45R									
30-Sep-14		10:30	10:40	0.17		6648		6648		MWD Survey & Conn.													
30-Sep-14		10:40	12:10	1.5		6648		6670		Sliding				22' @ 45R									
30-Sep-14		12:10	13:00	0.83		6670		6670		Circulating													
30-Sep-14		13:00	16:00	3		6670		6670		POOH													
30-Sep-14		16:00	16:00	0		6670		6670		Lay Down BHA													

Run Statistics Calculated from MWD Journal



Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

DD JOURNAL

Date	Start	End	Hours	Start	End	Activity	Comment
30-Sep-14	16:00	18:00	2	0	0	Pick Up BHA	
30-Sep-14	18:00	21:20	3.33	0	6670	TIH	
30-Sep-14	21:20	23:10	1.83	6670	6741	Sliding	
30-Sep-14	23:10	23:20	0.17	6741	6741	MWD Survey & Conn.	
30-Sep-14	23:20	00:00	0.67	6741	6760	Sliding	

MWD JOURNAL

Date	Start	End	Hours	Start	End	Activity	Comment
30-Sep-14	00:00	02:06	2.1	3189	6396	RIH/POOH/Trip/Wiper Tr	TIH
30-Sep-14	02:06	04:37	2.52	6405	6475	Drilling	sliding
30-Sep-14	04:37	04:49	0.2	6475	6475	Surveying	C/S @ 6427'md
30-Sep-14	04:49	06:50	2.02	6475	6560	Drilling	Slide
30-Sep-14	06:50	07:30	0.67	6560	6560	Pump Repair	Work on pumps
30-Sep-14	07:30	07:35	0.08	6560	6560	Surveying	Survey @ 6512' MD
30-Sep-14	07:35	10:30	2.92	6560	6648	Drilling	Slide
30-Sep-14	10:30	10:40	0.17	6648	6648	Surveying	Connection/Survey @ 6597' MD
30-Sep-14	10:40	12:05	1.42	6648	6670	Drilling	Slide
30-Sep-14	12:05	12:35	0.5	6670	6670	Mud Prep/Circ/Cond(hol	Circulate
30-Sep-14	12:35	16:00	3.42	6670	0	RIH/POOH/Trip/Wiper Tr	POOH
30-Sep-14	16:00	16:00	0	0	0	Run End - TART	End Run 3
30-Sep-14	16:00	18:00	2			MU/LD BHA/DP	Change Motor
30-Sep-14	18:00	18:00	0	0	0	Run Start - TBRT	
30-Sep-14	18:00	21:20	3.33	0	6665	RIH/POOH/Trip/Wiper Tr	TIH
30-Sep-14	21:20	23:03	1.72	6670	6740	Drilling	Sliding
30-Sep-14	23:03	23:13	0.17	6740	6740	Surveying	C/S@ 6681
30-Sep-14	23:13	00:00	0.78	6740	6747	Drilling	Sliding



Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

Daily Report for Thursday, October, 02 2014

From: Oct-01-2014 00:00 To: Oct-02-2014 00:00

DRILLING SUMMARY								DRILLING PARAMETERS												
Start Depth		6,760		Rotary Hours		1.25		WOB Rot		35.00		PU	130.00		Slack Off		95.00			
End Depth		7,076		Total Circu. Hours		7.83		WOB Slid		35.00		SPP	3,700.00		Flow Rate		500.00 - 500.00			
Total Drilled		280		Avg. Total ROP		21.96		RAB		115.00		SPM	120.00							
Total Rotary Drilled		55		Avg. Rotary ROP		44.00		MUD DATA												
Total Sliding Drilled		225		Avg. Slide ROP		34.62		Type		Water Base			PV	9		SOLID	10.50			
Slide Hours		6.50		Percent Rotary		19.64%		Weight		10.40	Gas			YP	12		BHT°	162		
Below Rotary Hrs		12.75		Percent Slide		80.36%		Viscosity		39		Sand	0.01		PH	9.5		Flow T°		
								Chlorides	150	WL					Oil%					
PERSONNEL								CASING												
Directional Company								Size				Set Depth								
Company Man				Justin				9.62				772								
MLWD				Smith, Eric				DAILY COST												
DD				Harwood, Richard				Daily Cost: Cumulative Cost: Signature:												
MLWD - Cell Manager				Thomason, Russell																
Incl. In	15.04	Azm. In	78.71	Incl. Out	61.98	Azm. Out	89.78													
BHA & COMMENTS																				
Drilling ahead in curve																				
FORECAST NEXT 24																				
POOH for Bit TIH to finish curve																				
DD JOURNAL																				
Date		Start	End	Hours		Start	End	Activity			Comment									
01-Oct-14		00:00	03:00	3		6760	6783	Sliding												
01-Oct-14		03:00	03:15	0.25		6783	6783	MWD Survey & Conn.												
01-Oct-14		03:15	04:00	0.75		6783	6783	Circulating												
01-Oct-14		04:00	06:30	2.5		6783	6783	POOH												
01-Oct-14		06:30	07:15	0.75		6783	6783	Lay Down BHA												
01-Oct-14		07:15	10:30	3.25		6783	6783	Standby			Waiting on Motor									
01-Oct-14		11:15	15:45	4.5		0	6796	TIH												
01-Oct-14		15:45	16:50	1.08		6796	6820	Sliding			24' @ HS									
01-Oct-14		16:50	17:00	0.17		6820	6820	MWD Survey & Conn.												
01-Oct-14		17:00	18:35	1.58		6820	6905	Sliding			85' @ HS									
01-Oct-14		18:35	18:45	0.17		6905	6905	MWD Survey & Conn.												
01-Oct-14		18:45	21:10	2.42		6905	6990	Sliding			85' @ HS									

Run Statistics Calculated from MWD Journal



Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

DD JOURNAL

Date	Start	End	Hours	Start	End	Activity	Comment
01-Oct-14	21:10	21:15	0.08	6990	6990	MWD Survey & Conn.	
01-Oct-14	21:15	21:45	0.5	6990	7015	Rotating	
01-Oct-14	21:45	22:40	0.92	7015	7033	Sliding	18' @ HS
01-Oct-14	22:40	22:45	0.08	7033	7033	MWD Survey	
01-Oct-14	22:45	23:30	0.75	7033	7063	Rotating	
01-Oct-14	23:30	00:00	0.5	7063	7076	Sliding	13' @ HS

MWD JOURNAL

Date	Start	End	Hours	Start	End	Activity	Comment
01-Oct-14	00:00	02:43	2.72	6747	6796	Drilling	Sliding
01-Oct-14	02:43	06:30	3.78	6796	100	RIH/POOH/Trip/Wiper Tr	POOH for Motor not achiving build rates
01-Oct-14	06:30	07:15	0.75	100	0	MU/LD BHA/DP	LD BHA
01-Oct-14	07:15	07:15	0	0	0	Run End - TART	End of Run 4
01-Oct-14	07:15	10:30	3.25	0	0	Operations	Wait on new motor
01-Oct-14	10:30	11:15	0.75	0	0	MU/LD BHA/DP	MU BHA
01-Oct-14	11:15	11:15	0	0	0	Run Start - TBRT	Start Run 5
01-Oct-14	11:15	12:25	1.17	0	1900	RIH/POOH/Trip/Wiper Tr	TIH
01-Oct-14	12:25	12:35	0.17	1900	1900	Shallow hole test	Fill Pipe/ Good SHT
01-Oct-14	12:35	15:45	3.17	1900	6790	RIH/POOH/Trip/Wiper Tr	TIH
01-Oct-14	15:45	16:10	0.42	6790	6796	Reaming/Hole Opening	Wash to bottom
01-Oct-14	16:10	16:50	0.67	6796	6820	Drilling	Slide
01-Oct-14	16:50	17:00	0.17	6820	6820	Surveying	Connection/Survey @ 6767' MD
01-Oct-14	17:00	18:35	1.58	6820	6903	Drilling	Sliding
01-Oct-14	18:35	18:45	0.17	6903	6903	Surveying	C/S @6852' MD
01-Oct-14	18:45	21:08	2.38	6903	6989	Drilling	Sliding
01-Oct-14	21:08	21:15	0.12	6989	6989	Surveying	C/S @6937'MD
01-Oct-14	21:15	21:50	0.58	6989	7015	Drilling	Rot
01-Oct-14	21:50	22:37	0.78	7015	7034	Drilling	Sliding
01-Oct-14	22:37	22:43	0.1	7034	7034	Surveying	C/S @6980'MD
01-Oct-14	22:43	23:26	0.72	7034	7063	Drilling	Rot
01-Oct-14	23:26	23:56	0.5	7063	7073	Drilling	sliding
01-Oct-14	23:56	00:00	0.07	7073	7073	Surveying	C/S @7023'MD



Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

Daily Report for Friday, October, 03 2014

From: Oct-02-2014 00:00 To: Oct-03-2014 00:00

DRILLING SUMMARY				DRILLING PARAMETERS					
Start Depth	7,076	Rotary Hours	0.00	WOB Rot		PU		Slack Off	
End Depth	0	Total Circu. Hours	0.00	WOB Slid		SPP		Flow Rate	
Total Drilled	0	Avg. Total ROP		RAB		SPM			
Total Rotary Drilled	0	Avg. Rotary ROP		MUD DATA					
Total Sliding Drilled	0	Avg. Slide ROP		Type			PV		SOLID
Slide Hours	0.00	Percent Rotary		Weight		Gas	YP		BHT°
Below Rotary Hrs	1.17	Percent Slide		Viscosity		Sand	PH		Flow T°
				Chlorides		WL			Oil%

PERSONNEL								CASING			
Directional Company								Size		Set Depth	
Company Man				Justin				9.62		772	
MLWD				Smith, Eric				DAILY COST			
DD				Harwood, Richard				Daily Cost: Cumulative Cost:			
MLWD - Cell Manager				Thomason, Russell							
Incl. In	78.35	Azm. In	88.9	Incl. Out	81.6	Azm. Out	89.6	Signature:			

BHA & COMMENTS

TIH with new motor to land curve

FORECAST NEXT 24

Land curve TOH for casing ops

DD JOURNAL

Date	Start	End	Hours	Start	End	Activity	Comment
02-Oct-14	00:00	00:05	0.08	7076	7076	MWD Survey & Conn.	
02-Oct-14	00:05	02:15	2.17	7076	7118	Sliding	42' @ HS
02-Oct-14	02:15	02:25	0.17	7118	7118	MWD Survey	
02-Oct-14	02:25	03:30	1.08	7118	7143	Sliding	25' @ HS
02-Oct-14	03:30	04:40	1.17	7143	7161	Rotating	
02-Oct-14	04:40	04:45	0.08	7161	7161	MWD Survey	
02-Oct-14	04:45	05:15	0.5	7161	0	Circulating	
02-Oct-14	05:15	08:00	2.75	0	0	POOH	
02-Oct-14	08:00	08:15	0.25	0	0	Lay Down BHA	
02-Oct-14	08:15	12:30	4.25	0	7161	TIH	
02-Oct-14	12:30	14:10	1.67	7161	7203	Sliding	
02-Oct-14	14:10	14:15	0.08	7203	7203	MWD Survey	

Run Statistics Calculated from MWD Journal



Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

DD JOURNAL

Date	Start	End	Hours	Start	End	Activity	Comment
02-Oct-14	14:15	14:25	0.17	7203	7208	Rotating	
02-Oct-14	14:25	15:20	0.92	7208	7246	Sliding	
02-Oct-14	15:20	15:30	0.17	7246	7246	MWD Survey & Conn.	
02-Oct-14	15:30	16:10	0.67	7246	7246	Rig Repair - Inhole	Generator
02-Oct-14	16:10	16:50	0.67	7246	7275	Rotating	
02-Oct-14	16:50	16:55	0.08	7275	7275	Rig Repair - Inhole	Generator
02-Oct-14	16:55	17:20	0.42	7275	7290	Sliding	15' @ HS
02-Oct-14	17:20	17:30	0.17	7290	7290	MWD Survey	
02-Oct-14	17:30	18:05	0.58	7290	7290	Circulating	
02-Oct-14	18:05	21:50	3.75	7290	102	POOH	
02-Oct-14	21:50	22:05	0.25	102	0	Lay Down BHA	
02-Oct-14	22:05	22:50	0.75	0	0	Pick Up BHA	
02-Oct-14	22:05	22:50	0.75	0	0	Pick Up BHA	
02-Oct-14	22:50	00:00	1.17	0	0	TIH	

MWD JOURNAL

Date	Start	End	Hours	Start	End	Activity	Comment
02-Oct-14	00:00	00:04	0.07	7073	7073	Surveying	C/S
02-Oct-14	00:04	02:15	2.18	7073	7119	Drilling	Sliding
02-Oct-14	02:15	02:20	0.08	7119	7119	Surveying	C/S @7865'MD
02-Oct-14	02:20	03:28	1.13	7119	7143	Drilling	Sliding
02-Oct-14	03:28	04:38	1.17	7143	7161	Drilling	Rot
02-Oct-14	04:38	04:45	0.12	7161	7161	Surveying	Survey @7108'md
02-Oct-14	04:45	04:48	0.05			Mud Prep/Circ/Cond(hol	Curculating prep for POOH for new Bit
02-Oct-14	04:48	07:45	2.95	7161	100	RIH/POOH/Trip/Wiper Tr	POOH for Bit
02-Oct-14	07:45	08:00	0.25	100	0	MU/LD BHA/DP	Change out BHA
02-Oct-14	08:00	08:00	0	0	0	Run End - TART	End of Run 5
02-Oct-14	08:00	08:15	0.25	0	0	MU/LD BHA/DP	MU BHA
02-Oct-14	08:15	08:15	0	0	0	Run Start - TBRT	Start Run 6
02-Oct-14	08:15	09:50	1.58	0	3093	RIH/POOH/Trip/Wiper Tr	TIH
02-Oct-14	09:50	10:00	0.17	3093	3093	Shallow hole test	Fill pipe/Good SHT
02-Oct-14	10:00	11:40	1.67	3093	6990	RIH/POOH/Trip/Wiper Tr	TIH
02-Oct-14	11:40	12:15	0.58	6990	7161	Reaming/Hole Opening	Wash to bottom
02-Oct-14	12:15	14:10	1.92	7161	7203	Drilling	Slide
02-Oct-14	14:10	14:15	0.08	7203	7203	Surveying	Survey @ 7150' MD
02-Oct-14	14:15	14:30	0.25	7203	7213	Drilling	Rotate
02-Oct-14	14:30	15:20	0.83	7213	7246	Drilling	Slide
02-Oct-14	15:20	15:30	0.17	7246	7246	Surveying	Connection/Survey @ 7193' MD
02-Oct-14	15:30	16:05	0.58	7246	7246	Other	Work on Gen
02-Oct-14	16:05	16:43	0.63	7246	7275	Drilling	Rot
02-Oct-14	16:43	17:20	0.62	7275	7297	Drilling	Sliding
02-Oct-14	17:20	17:41	0.35	7297	7297	Surveying	Survey 7237'MD
02-Oct-14	17:41	18:30	0.82	7297	7307	Drilling	Sliding

Run Statistics Calculated from MWD Journal



Job Number: 14CAS0370

Company Name: EXTRACTION OIL & GAS LLC

Rig Name: XTREME COIL DRLG/HOU #7

Well Name: Nelson Farm #03

Well Location: Lat: 40.550455, Long: -104.906391

Well State: Colorado

Well County: Weld

Well Field: Wattenberg

Well Country:

Lead DD:

Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

02-Oct-14	18:30	22:05	3.58	7307	0	RIH/POOH/Trip/Wiper Tr	POOH for motor
02-Oct-14	22:05	22:05	0	0	0	Run End - TART	End run# 6
02-Oct-14	22:05	22:50	0.75			MU/LD BHA/DP	LD and MU BHA for Run 7
02-Oct-14	22:50	22:50	0	0	0	Run Start - TBRT	
02-Oct-14	22:50	00:00	1.17	0	1497	RIH/POOH/Trip/Wiper Tr	TIH with new motor to land curve



Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

Daily Report for Saturday, October, 04 2014

From: Oct-03-2014 00:00 To: Oct-04-2014 00:00

DRILLING SUMMARY				DRILLING PARAMETERS							
Start Depth	1,497	Rotary Hours	0.08	WOB Rot	40.00	PU	125.00	Slack Off	95.00		
End Depth	0	Total Circu. Hours	3.42	WOB Slid	40.00	SPP	3,900.00	Flow Rate	500.00 - 500.00		
Total Drilled	45	Avg. Total ROP	3.60	RAB	110.00	SPM	120.00				
Total Rotary Drilled	2	Avg. Rotary ROP	24.00	MUD DATA							
Total Sliding Drilled	43	Avg. Slide ROP	43.00	Type	Fresh Water		PV	8	SOLID	9.00	
Slide Hours	1.00	Percent Rotary	4.44%	Weight	10.40	Gas		YP	8	BHT°	152
Below Rotary Hrs	12.50	Percent Slide	95.56%	Viscosity	33	Sand	0.50	PH	8.5	Flow T°	
				Chlorides	400	WL	9.00		Oil%	2.00	

PERSONNEL								CASING			
Directional Company								Size		Set Depth	
Company Man				Justin				9.62		772	
MLWD				Smith, Eric				DAILY COST			
DD				Harwood, Richard				Daily Cost: Cumulative Cost: Signature:			
MLWD - Cell Manager				Thomason, Russell							
Incl. In	78.35	Azm. In	88.9	Incl. Out	81.6	Azm. Out	89.6				

BHA & COMMENTS

Land Curve, Circulate, POOH and run casing/cement

FORECAST NEXT 24

Cement, PU BHA, TIH and Drill 6.125" Lateral

DD JOURNAL

Date	Start	End	Hours	Start	End	Activity	Comment
03-Oct-14	00:00	02:35	2.58	1497	7290	TIH	
03-Oct-14	02:35	03:35	1	7290	7333	Sliding	
03-Oct-14	03:35	04:05	0.5	7333	7333	MWD Survey	
03-Oct-14	04:05	04:10	0.08	7333	7335	Rotating	
03-Oct-14	04:10	06:00	1.83	7335	0	Circulating	

MWD JOURNAL

Date	Start	End	Hours	Start	End	Activity	Comment
03-Oct-14	00:00	02:35	2.58	1497	7306	RIH/POOH/Trip/Wiper Tr	TIH
03-Oct-14	02:35	03:35	1	7307	7330	Drilling	Sliding
03-Oct-14	03:35	04:05	0.5	7330	7330	Surveying	Survey @7280'MD
03-Oct-14	04:05	04:20	0.25	7330	7335	Drilling	Rot
03-Oct-14	04:20	05:40	1.33	7335	7335	Mud Prep/Circ/Cond(hol	Circulate

Run Statistics Calculated from MWD Journal



Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

03-Oct-14	05:40	08:05	2.42	7335	1300	RIH/POOH/Trip/Wiper Tr	POOH
03-Oct-14	08:05	09:50	1.75	1300	3000	Reaming/Hole Opening	Ream through
03-Oct-14	09:50	11:30	1.67	3000	100	RIH/POOH/Trip/Wiper Tr	POOH
03-Oct-14	11:30	12:30	1	100	0	MU/LD BHA	LD BHA
03-Oct-14	12:30	12:30	0	0	0	Run End - TART	End Run 7
03-Oct-14	12:30	00:00	11.5			Run Csg, Cmt/Cmt Plug	



Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

Daily Report for Sunday, October, 05 2014

From: Oct-04-2014 00:00 To: Oct-05-2014 00:00

DRILLING SUMMARY								DRILLING PARAMETERS												
Start Depth		0		Rotary Hours		4.70		WOB Rot				PU			Slack Off					
End Depth		8,598		Total Circu. Hours		8.97		WOB Slid				SPP				Flow Rate				
Total Drilled		1,263		Avg. Total ROP		67.96		RAB				SPM								
Total Rotary Drilled		1,171		Avg. Rotary ROP		249.15		MUD DATA												
Total Sliding Drilled		92		Avg. Slide ROP		65.71		Type					PV			SOLID				
Slide Hours		1.40		Percent Rotary		92.72%		Weight			Gas			YP			BHT°			
Below Rotary Hrs		18.58		Percent Slide		7.28%		Viscosity			Sand			PH			Flow T°			
								Chlorides		WL					Oil%					
PERSONNEL								CASING												
Directional Company								Size				Set Depth								
Company Man				Justin				7				7,320								
MLWD				Smith, Eric				DAILY COST												
DD				Harwood, Richard				Daily Cost: Cumulative Cost: 												

Run Statistics Calculated from MWD Journal



Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

04-Oct-14	14:45	14:50	0.08	7391	7391	Connection-(Kelly PU/LD)	Connection
04-Oct-14	14:50	15:05	0.25	7391	7423	Drilling	Rotate
04-Oct-14	15:05	15:10	0.08	7423	7423	Surveying	Survey @ 7359' MD
04-Oct-14	15:10	15:20	0.17	7423	7486	Drilling	Rotate
04-Oct-14	15:20	15:30	0.17	7486	7486	Surveying	Connection/Survey @ 7193' MD
04-Oct-14	15:30	15:50	0.33	7486	7508	Drilling	Sliding
04-Oct-14	15:50	16:15	0.42	7508	7578	Drilling	Rotate
04-Oct-14	16:15	16:25	0.17	7578	7578	Surveying	Connection/Survey @ 7514' MD
04-Oct-14	16:25	16:30	0.08	7578	7597	Drilling	Slide
04-Oct-14	16:30	16:53	0.38	7597	7672	Drilling	Rotate
04-Oct-14	16:53	17:02	0.15	7672	7672	Surveying	C/S @ 7608'MD
04-Oct-14	17:02	17:20	0.3	7672	7763	Drilling	Rot
04-Oct-14	17:20	17:50	0.5			Lubricate rig / Service	Rig Service
04-Oct-14	17:50	17:59	0.15	7763	7763	Surveying	C/S @ 7700'Md
04-Oct-14	17:59	18:25	0.43	7763	7785	Drilling	Sliding
04-Oct-14	18:25	18:52	0.45	7785	7854	Drilling	Rot
04-Oct-14	18:52	18:58	0.1	7854	7854	Surveying	C/S @ 7794'MD
04-Oct-14	18:58	19:16	0.3	7854	7947	Drilling	Rot
04-Oct-14	19:16	19:23	0.12	7947	7947	Surveying	C/S @ 7886'MD
04-Oct-14	19:23	19:42	0.32	7947	8040	Drilling	Rot
04-Oct-14	19:42	19:47	0.08	8040	8040	Surveying	C/S @ 7978'md
04-Oct-14	19:47	20:35	0.8	8040	8221	Drilling	Rot
04-Oct-14	20:35	21:02	0.45			Lubricate rig / Service	Rig Service
04-Oct-14	21:02	21:04	0.03	8221	8226	Drilling	Rot
04-Oct-14	21:04	21:10	0.1	8226	8226	Surveying	C/S 8152'Md
04-Oct-14	21:10	21:28	0.3	8226	8318	Drilling	Rot
04-Oct-14	21:28	21:44	0.27	8318	8318	Surveying	C/S 8255'md
04-Oct-14	21:44	22:00	0.27	8318	8335	Drilling	Sliding
04-Oct-14	22:00	22:15	0.25	8335	8413	Drilling	Rot
04-Oct-14	22:15	22:23	0.13	8413	8413	Surveying	C/S 8743'MD
04-Oct-14	22:23	22:40	0.28	8413	8425	Drilling	Sliding
04-Oct-14	22:40	22:54	0.23	8425	8505	Drilling	Rot
04-Oct-14	22:54	23:00	0.1	8505	8505	Surveying	C/S 8439'MD
04-Oct-14	23:00	23:15	0.25	8505	8598	Drilling	Rot
04-Oct-14	23:15	00:00	0.75	8598	8598	Other	Decrimment tool to different data rate.



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Daily Report for Monday, October, 06 2014

From: Oct-05-2014 00:00 To: Oct-06-2014 00:00

DRILLING SUMMARY								DRILLING PARAMETERS												
Start Depth		8,598		Rotary Hours		11.75		WOB Rot				PU			Slack Off					
End Depth		11,732		Total Circu. Hours		24.00		WOB Slid				SPP				Flow Rate				
Total Drilled		3,134		Avg. Total ROP		130.58		RAB				SPM								
Total Rotary Drilled		2,758		Avg. Rotary ROP		234.72		MUD DATA												
Total Sliding Drilled		376		Avg. Slide ROP		60.35		Type		Water Base			PV	7	SOLID		5.00			
Slide Hours		6.23		Percent Rotary		88%		Weight		9.10	Gas			YP	8	BHT°				
Below Rotary Hrs		24.00		Percent Slide		12%		Viscosity		36	Sand	0.50		PH	10.0		Flow T°			
								Chlorides	200	WL					Oil%					
PERSONNEL								CASING												
Directional Company								Size				Set Depth								
Company Man				Justin				7				7,320								
MLWD				Smith, Eric				DAILY COST												
DD				Harwood, Richard				Daily Cost: Cumulative Cost: Signature:												
MLWD - Cell Manager				Thomason, Russell																
MLWD				Schmidt, William J																
Incl. In	81.6	Azm. In	89.6	Incl. Out	88.9	Azm. Out	89.87													
BHA & COMMENTS																				
Drilling ahead in Lateral																				
FORECAST NEXT 24																				
Drilling ahead in lateral.																				
MWD JOURNAL																				
Date		Start	End	Hours	Start	End	Activity			Comment										
05-Oct-14		00:00	00:20	0.33	8598	8598	Surveying			C/S 8530'MD										
05-Oct-14		00:20	00:41	0.35	8598	8610	Drilling			sliding										
05-Oct-14		00:41	00:55	0.23	8610	8690	Drilling			rot										
05-Oct-14		00:55	01:27	0.53	8690	8690	Surveying			C/S 8623'Md										
05-Oct-14		01:27	01:54	0.45	8690	8715	Drilling			Sliding										
05-Oct-14		01:54	02:07	0.22	8715	8783	Drilling			Rot										
05-Oct-14		02:07	02:18	0.18	8783	8783	Surveying			C/S 8715'MD										
05-Oct-14		02:18	02:35	0.28	8783	8795	Drilling			Sliding										
05-Oct-14		02:35	02:48	0.22	8795	8876	Drilling			Rot										
05-Oct-14		02:48	03:00	0.2	8876	8876	Surveying			C/S 8808'MD										
05-Oct-14		03:00	03:13	0.22	8876	8892	Drilling			Sliding										
05-Oct-14		03:13	03:31	0.3	8892	8968	Drilling			Rot										

Run Statistics Calculated from MWD Journal



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Well State: Colorado

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05-Oct-14	03:31	03:38	0.12	8968	8968	Surveying	C/S 8900
05-Oct-14	03:38	03:53	0.25	8968	9055	Drilling	Rot
05-Oct-14	03:53	04:03	0.17	9055	9055	Surveying	C/S 8992'MD
05-Oct-14	04:03	04:18	0.25	9055	9071	Drilling	Sliding
05-Oct-14	04:18	04:32	0.23	9071	9147	Drilling	Rot
05-Oct-14	04:32	04:44	0.2	9147	9147	Surveying	C/S 9084'MD
05-Oct-14	04:44	05:18	0.57	9147	9242	Drilling	Rot
05-Oct-14	05:18	05:29	0.18	9242	9242	Surveying	C/S 9177'MD
05-Oct-14	05:29	05:50	0.35	9242	9250	Drilling	Sliding
05-Oct-14	05:50	06:25	0.58	9250	9335	Drilling	Rotate
05-Oct-14	06:25	06:35	0.17	9335	9335	Surveying	Connection/Survey @ 9270' MD
05-Oct-14	06:35	07:05	0.5	9335	9351	Drilling	Sliding
05-Oct-14	07:05	07:30	0.42	9351	9427	Drilling	Rotate
05-Oct-14	07:30	07:40	0.17	9427	9427	Surveying	Connection/Survey @ 9363' MD
05-Oct-14	07:40	08:05	0.42	9427	9521	Drilling	Rotate
05-Oct-14	08:05	08:15	0.17	9521	9521	Surveying	Connection/Survey @ 9457' MD
05-Oct-14	08:15	08:50	0.58	9521	9616	Drilling	Rotate
05-Oct-14	08:50	09:00	0.17	9616	9616	Surveying	Connection/Survey @ 9552' MD
05-Oct-14	09:00	09:05	0.08	9616	9621	Drilling	Rotate
05-Oct-14	09:05	09:20	0.25	9621	9635	Drilling	Slide
05-Oct-14	09:20	09:50	0.5	9635	9709	Drilling	Rotate
05-Oct-14	09:50	10:00	0.17	9709	9709	Surveying	Connection/Survey @ 9645' MD
05-Oct-14	10:00	10:20	0.33	9709	9723	Drilling	Slide
05-Oct-14	10:20	10:50	0.5	9723	9802	Drilling	Rotate
05-Oct-14	10:50	10:55	0.08	9802	9802	Surveying	Connection/Survey @ 9738' MD
05-Oct-14	10:55	10:57	0.03	9802	9806	Drilling	Rotate
05-Oct-14	10:57	11:05	0.13	9806	9819	Drilling	Slide
05-Oct-14	11:05	11:30	0.42	9819	9895	Drilling	Rotate
05-Oct-14	11:30	11:40	0.17	9895	9895	Surveying	Connection/Survey @ 9831' MD
05-Oct-14	11:40	12:00	0.33	9895	9980	Drilling	Rotate
05-Oct-14	12:00	12:05	0.08	9980	9980	Surveying	Connection/Survey @ 9916' MD
05-Oct-14	12:05	12:35	0.5	9980	10000	Drilling	Slide
05-Oct-14	12:35	12:50	0.25	10000	10065	Drilling	Rotate
05-Oct-14	12:50	13:00	0.17	10065	10065	Surveying	Connection/Survey @ 10001' MD
05-Oct-14	13:00	13:20	0.33	10065	10086	Drilling	Slide
05-Oct-14	13:20	13:30	0.17	10086	10151	Drilling	Rotate
05-Oct-14	13:30	13:40	0.17	10151	10151	Surveying	Connection/Survey @ 10087' MD
05-Oct-14	13:40	13:55	0.25	10151	10236	Drilling	Rotate
05-Oct-14	13:55	14:05	0.17	10236	10236	Surveying	Connection/Survey @ 10172' MD
05-Oct-14	14:05	14:25	0.33	10236	10257	Drilling	Slide
05-Oct-14	14:25	14:40	0.25	10257	10321	Drilling	Rotate
05-Oct-14	14:40	14:50	0.17	10321	10321	Surveying	Connection/Survey @ 10257' MD
05-Oct-14	14:50	15:10	0.33	10321	10406	Drilling	Rotate
05-Oct-14	15:10	15:20	0.17	10406	10406	Surveying	Connection/Survey @ 10342' MD

Run Statistics Calculated from MWD Journal



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Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
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05-Oct-14	15:20	15:45	0.42	10406	10425	Drilling	Slide
05-Oct-14	15:45	16:00	0.25	10425	10491	Drilling	Rotate
05-Oct-14	16:00	16:10	0.17	10491	10491	Surveying	Connection/Survey @ 10427' MD
05-Oct-14	16:10	16:35	0.42	10491	10509	Drilling	Slide
05-Oct-14	16:35	16:50	0.25	10509	10576	Drilling	Rotate
05-Oct-14	16:50	17:00	0.17	10576	10576	Surveying	Connection/Survey @ 10512' MD
05-Oct-14	17:00	17:20	0.33	10576	10662	Drilling	Rotate
05-Oct-14	17:20	17:30	0.17	10662	10662	Surveying	Connection/Survey @ 10598' MD
05-Oct-14	17:30	17:44	0.23	10662	10746	Drilling	Rot
05-Oct-14	17:44	18:05	0.35	10746	10746	Surveying	C/S 10683'MD
05-Oct-14	18:05	18:20	0.25	10746	10759	Drilling	Sliding
05-Oct-14	18:20	18:42	0.37	10759	10831	Drilling	Rot
05-Oct-14	18:42	18:50	0.13	10631	10831	Surveying	C/S 10768'MD
05-Oct-14	18:50	19:04	0.23	10831	10845	Drilling	Sliding
05-Oct-14	19:04	19:19	0.25	10845	10917	Drilling	Rot
05-Oct-14	19:19	19:26	0.12	10917	10917	Surveying	C/S 10853'md
05-Oct-14	19:26	19:43	0.28	10917	11002	Drilling	Rot
05-Oct-14	19:43	19:49	0.1	11002	11002	Surveying	C/S 10938'MD
05-Oct-14	19:49	20:13	0.4	11002	11087	Drilling	Rot
05-Oct-14	20:13	20:18	0.08	11087	11087	Surveying	C/S 11023'MD
05-Oct-14	20:18	20:38	0.33	11087	11171	Drilling	Rot
05-Oct-14	20:38	20:50	0.2	11171	11171	Surveying	C/S 11108'MD
05-Oct-14	20:50	21:10	0.33	11171	11256	Drilling	Rot
05-Oct-14	21:10	21:16	0.1	11256	11256	Surveying	C/S 11193'MD
05-Oct-14	21:16	21:34	0.3	11256	11275	Drilling	Sliding
05-Oct-14	21:34	21:49	0.25	11275	11342	Drilling	Rot
05-Oct-14	21:49	21:57	0.13	11342	11342	Surveying	C/S 11278'MD
05-Oct-14	21:57	22:08	0.18	11342	11356	Drilling	Sliding
05-Oct-14	22:08	22:27	0.32	11356	11428	Drilling	Rot
05-Oct-14	22:27	22:33	0.1	11428	11428	Surveying	C/S 11363'MD
05-Oct-14	22:33	22:53	0.33	11428	11512	Drilling	Rot
05-Oct-14	22:53	22:58	0.08	11512	11512	Surveying	C/S 11449'MD
05-Oct-14	22:58	23:16	0.3	11512	11597	Drilling	Rot
05-Oct-14	23:16	23:22	0.1	11597	11597	Surveying	C/S 11534'MD
05-Oct-14	23:22	23:42	0.33	11597	11683	Drilling	Rot
05-Oct-14	23:42	23:48	0.1	11683	11683	Surveying	C/S 11619'MD
05-Oct-14	23:48	00:00	0.2	11683	11732	Drilling	Rot



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Daily Report for Tuesday, October, 07 2014

From: Oct-06-2014 00:00 To: Oct-07-2014 00:00

DRILLING SUMMARY								DRILLING PARAMETERS											
Start Depth		11,732		Rotary Hours		10.18		WOB Rot				PU			Slack Off				
End Depth		13,933		Total Circu. Hours		16.92		WOB Slid				SPP			Flow Rate				
Total Drilled		2,201		Avg. Total ROP		91.71		RAB				SPM							
Total Rotary Drilled		2,084		Avg. Rotary ROP		204.72		MUD DATA											
Total Sliding Drilled		117		Avg. Slide ROP		30.55		Type					PV			SOLID			
Slide Hours		3.83		Percent Rotary		94.68%		Weight			Gas			YP			BHT°		
Below Rotary Hrs		24.00		Percent Slide		5.32%		Viscosity			Sand			PH			Flow T°		
								Chlorides		WL					Oil%				
PERSONNEL								CASING											
Directional Company								Size				Set Depth							
Company Man				Justin				7				7,320							
MLWD				Schmidt, William J				DAILY COST											
MLWD				Smith, Eric				Daily Cost: Cumulative Cost: Signature:											
DD				Harwood, Richard															
Incl. In	81.6	Azm. In	89.6	Incl. Out	88.9	Azm. Out	89.87												
BHA & COMMENTS																			
Drilling ahead in lateral																			
FORECAST NEXT 24																			
TD Well 0500am Circulate and POOH for end of well.																			
MWD JOURNAL																			
Date		Start	End	Hours	Start	End	Activity			Comment									
06-Oct-14		00:00	00:09	0.15	11732	11768	Drilling			Rot									
06-Oct-14		00:09	00:15	0.1	11768	11768	Surveying			C/S 11704'MD									
06-Oct-14		00:15	00:32	0.28	11768	11854	Drilling			Rot									
06-Oct-14		00:32	00:39	0.12	11854	11854	Surveying			C/S 11790'MD									
06-Oct-14		00:39	00:58	0.32	11854	11939	Drilling			Rot									
06-Oct-14		00:58	01:04	0.1	11939	11939	Surveying			C/S 11875'MD									
06-Oct-14		01:04	01:26	0.37	11939	12025	Drilling			Rot									
06-Oct-14		01:26	01:33	0.12	12025	12025	Surveying			C/S 11960'MD									
06-Oct-14		01:33	02:15	0.7	12025	12125	Drilling			Sliding									
06-Oct-14		02:15	02:40	0.42	12125	12196	Drilling			Rot									
06-Oct-14		02:40	02:47	0.12	12196	12196	Surveying			C/S 12131"MD									
06-Oct-14		02:47	03:21	0.57	12196	12279	Drilling			Rot									

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06-Oct-14	03:21	03:27	0.1	12279	12279	Surveying	C/S 12216'MD
06-Oct-14	03:27	03:46	0.32	12279	12365	Drilling	Rot
06-Oct-14	03:46	03:53	0.12	12365	12365	Surveying	C/S 12302'MD
06-Oct-14	03:53	04:09	0.27	12365	12380	Drilling	Sliding
06-Oct-14	04:09	04:24	0.25	12380	12450	Drilling	Rot
06-Oct-14	04:24	04:30	0.1	12450	12450	Surveying	C/S 12387'MD
06-Oct-14	04:30	04:50	0.33	12450	12536	Drilling	Rot
06-Oct-14	04:50	05:05	0.25	12536	12536	Surveying	C/S 12472'MD
06-Oct-14	05:05	05:32	0.45	12536	12554	Drilling	Sliding
06-Oct-14	05:32	05:50	0.3	12554	12621	Drilling	Rot
06-Oct-14	05:50	06:15	0.42	12621	12621	Lubricate rig / Service	
06-Oct-14	06:15	06:20	0.08	12621	12621	Surveying	C/S
06-Oct-14	06:20	06:50	0.5	12621	12707	Drilling	Rot
06-Oct-14	06:50	06:55	0.08	12707	12707	Surveying	C/S
06-Oct-14	06:55	07:20	0.42	12707	12791	Drilling	Rot
06-Oct-14	07:20	07:25	0.08	12791	12791	Surveying	C/S
06-Oct-14	07:25	08:05	0.67	12791	12811	Drilling	Slide
06-Oct-14	08:05	08:25	0.33	12811	12877	Drilling	Rot
06-Oct-14	08:25	08:30	0.08	12877	12877	Surveying	C/S
06-Oct-14	08:30	09:15	0.75	12877	12902	Drilling	Slide
06-Oct-14	09:15	09:40	0.42	12902	12962	Drilling	Rot
06-Oct-14	09:40	09:45	0.08	12962	12962	Surveying	C/S
06-Oct-14	09:45	09:55	0.17	12962	12973	Drilling	Rot
06-Oct-14	09:55	11:10	1.25	12973	12973	Rig Maintenance/Repair	Rig repair
06-Oct-14	11:10	11:15	0.08	12973	12982	Drilling	Rot
06-Oct-14	11:15	16:40	5.42	12982	12982	Rig Maintenance/Repair	Rig repair
06-Oct-14	16:40	17:20	0.67	12982	13048	Drilling	Rot
06-Oct-14	17:20	17:30	0.17	13048	13048	Surveying	C/S
06-Oct-14	17:30	18:12	0.7	13048	13063	Drilling	Slide
06-Oct-14	18:12	18:28	0.27	13063	13132	Drilling	Rot
06-Oct-14	18:28	18:33	0.08	13132	13132	Surveying	C/S
06-Oct-14	18:33	18:51	0.3	13132	13217	Drilling	Rot
06-Oct-14	18:51	18:56	0.08	13217	13217	Surveying	C/S
06-Oct-14	18:56	19:15	0.32	13217	13303	Drilling	Rot
06-Oct-14	19:15	19:22	0.12	13303	13303	Surveying	C/S
06-Oct-14	19:22	19:48	0.43	13303	13388	Drilling	Rot
06-Oct-14	19:48	19:55	0.12	13388	13388	Surveying	C/S
06-Oct-14	19:55	20:17	0.37	13388	13402	Drilling	Sliding
06-Oct-14	20:17	20:34	0.28	13402	13474	Drilling	Rot
06-Oct-14	20:34	20:40	0.1	13474	13474	Surveying	C/S
06-Oct-14	20:40	21:01	0.35	13474	13559	Drilling	Rot
06-Oct-14	21:01	21:07	0.1	13559	13559	Surveying	C/S
06-Oct-14	21:07	21:26	0.32	13559	13645	Drilling	Rot
06-Oct-14	21:26	21:40	0.23	13645	13645	Surveying	C/S

Run Statistics Calculated from MWD Journal



Job Number: 14CAS0370

Company Name: EXTRACTION OIL & GAS LLC

Rig Name: XTREME COIL DRLG/HOU #7

Well Name: Nelson Farm #03

Well Location: Lat: 40.550455, Long: -104.906391

Well State: Colorado

Well County: Weld

Well Field: Wattenberg

Well Country:

Lead DD:

Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

06-Oct-14	21:40	21:55	0.25	13645	13656	Drilling	Sliding
06-Oct-14	21:55	22:13	0.3	13656	13731	Drilling	Rot
06-Oct-14	22:13	22:19	0.1	13731	13731	Surveying	C/S
06-Oct-14	22:19	22:40	0.35	13731	13816	Drilling	Rot
06-Oct-14	22:40	22:50	0.17	13816	13816	Surveying	C/S
06-Oct-14	22:50	23:29	0.65	13816	13830	Drilling	Sliding
06-Oct-14	23:29	23:48	0.32	13830	13902	Drilling	Rot
06-Oct-14	23:48	23:54	0.1	13902	13902	Surveying	C/S
06-Oct-14	23:54	00:00	0.1	13902	13933	Drilling	Rot



Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

Daily Report for Wednesday, October, 08 2014

From: Oct-07-2014 00:00 To: Oct-08-2014 00:00

DRILLING SUMMARY								DRILLING PARAMETERS															
Start Depth		13,933		Rotary Hours		3.38		WOB Rot		12.00		PU				Slack Off							
End Depth		5,153		Total Circu. Hours		8.10		WOB Slid		35.50		SPP		4,244.00		Flow Rate		300.00 - 300.00					
Total Drilled		707		Avg. Total ROP		29.46		RAB				SPM											
Total Rotary Drilled		697		Avg. Rotary ROP		206.21		MUD DATA															
Total Sliding Drilled		10		Avg. Slide ROP		16.67		Type						PV				SOLID					
Slide Hours		0.60		Percent Rotary		98.59%		Weight				Gas				YP				BHT° 227			
Below Rotary Hrs		24.00		Percent Slide		1.41%		Viscosity				Sand				PH				Flow T°			
								Chlorides				WL						Oil%					
PERSONNEL								CASING															
Directional Company								Size				Set Depth											
Company Man				Justin				7				7,320											
MLWD				Schmidt, William J				DAILY COST															
MLWD				Smith, Eric				Daily Cost: Cumulative Cost: Signature:															
DD				Harwood, Richard																			
Incl. In	81.6		Azm. In	89.6		Incl. Out	88.9		Azm. Out	89.87													
BHA & COMMENTS																							
Circulating sending sweeps before TOH																							
FORECAST NEXT 24																							
Complete well Skid rig to next well																							
MWD JOURNAL																							
Date		Start	End	Hours	Start	End	Activity				Comment												
07-Oct-14		00:00	00:14	0.23	13933	13988	Drilling				Rot												
07-Oct-14		00:14	00:19	0.08	13988	13988	Surveying				C/S												
07-Oct-14		00:19	00:42	0.38	13988	14073	Drilling				Rot												
07-Oct-14		00:42	00:47	0.08	14073	14073	Surveying				C/S												
07-Oct-14		00:47	01:10	0.38	14073	14159	Drilling				Rot												
07-Oct-14		01:10	01:17	0.12	14159	14159	Surveying				C/S												
07-Oct-14		01:17	01:46	0.48	14159	14244	Drilling				Rot												
07-Oct-14		01:46	01:52	0.1	14244	14244	Surveying				C/S												
07-Oct-14		01:52	02:14	0.37	14244	14290	Drilling				Rot												
07-Oct-14		02:14	02:50	0.6	14290	14300	Drilling				Sliding												
07-Oct-14		02:50	02:58	0.13	14300	14325	Drilling				Rot												
07-Oct-14		02:58	03:05	0.12	14325	14325	Surveying				C/S												

Run Statistics Calculated from MWD Journal



Job Number: 14CAS0370

Company Name: EXTRACTION OIL & GAS LLC

Rig Name: XTREME COIL DRLG/HOU #7

Well Name: Nelson Farm #03

Well Location: Lat: 40.550455, Long: -104.906391

Well State: Colorado

Well County: Weld

Well Field: Wattenberg

Well Country:

Lead DD:

Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

07-Oct-14	03:05	03:25	0.33	14325	14411	Drilling	Rot
07-Oct-14	03:25	03:32	0.12	14411	14411	Surveying	C/S
07-Oct-14	03:32	03:53	0.35	14411	14496	Drilling	Rot
07-Oct-14	03:53	04:00	0.12	14496	14496	Surveying	C/S
07-Oct-14	04:00	04:23	0.38	14496	14582	Drilling	Rot
07-Oct-14	04:23	04:30	0.12	14582	14582	Surveying	C/S
07-Oct-14	04:30	04:50	0.33	14582	14640	Drilling	Rot
07-Oct-14	04:50	04:55	0.08	14640	14640	Surveying	TD Well Survey @14576'MD
07-Oct-14	04:55	07:05	2.17	14640	14640	Mud Prep/Circ/Cond(hol	Circulate hole.
07-Oct-14	07:05	18:18	11.22	14640	14640	RIH/POOH/Trip/Wiper Tr	Short trip.
07-Oct-14	18:18	19:19	1.02	14640	14640	Mud Prep/Circ/Cond(hol	Pump 2 sweeps before POOH
07-Oct-14	19:19	00:00	4.68	14640	5153	RIH/POOH/Trip/Wiper Tr	POOH



Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

Daily Report for Thursday, October, 09 2014

From: Oct-08-2014 00:00 To: Oct-09-2014 00:00

DRILLING SUMMARY								DRILLING PARAMETERS									
Start Depth	5,153		Rotary Hours	0.00		WOB Rot			PU			Slack Off					
End Depth	0		Total Circu. Hours	0.00		WOB Slid			SPP			Flow Rate					
Total Drilled	0		Avg. Total ROP			RAB			SPM								
Total Rotary Drilled	0		Avg. Rotary ROP			MUD DATA											
Total Sliding Drilled	0		Avg. Slide ROP			Type				PV			SOLID				
Slide Hours	0.00		Percent Rotary			Weight			Gas			YP			BHT°		
Below Rotary Hrs	4.00		Percent Slide			Viscosity			Sand			PH			Flow T°		
						Chlorides			WL						Oil%		
PERSONNEL								CASING									
Directional Company								Size				Set Depth					
Company Man				Justin				7				7,320					
MLWD				Schmidt, William J				DAILY COST									
MLWD				Smith, Eric				Daily Cost: Cumulative Cost: Signature:									
DD				Harwood, Richard													
Incl. In	81.6	Azm. In	89.6	Incl. Out	88.9	Azm. Out	89.87										
BHA & COMMENTS																	
Standby for Nelson#4, rig skid																	
FORECAST NEXT 24																	
Standby for Nelson#4, rig skid																	
MWD JOURNAL																	
Date	Start	End	Hours	Start	End	Activity	Comment										
08-Oct-14	00:00	03:00	3	5153	239	RIH/POOH/Trip/Wiper Tr	POOH										
08-Oct-14	03:00	04:00	1			MU/LD BHA	Lay down BHA End Of Well										
08-Oct-14	04:00	04:00	0	0	0	Run End - TART	End of well										
08-Oct-14	04:00	23:59	19.98	0	0	Run Csg, Cmt/Cmt Plug	Standby for casing, cement and rig skid to next well.										

Run Statistics Calculated from MWD Journal

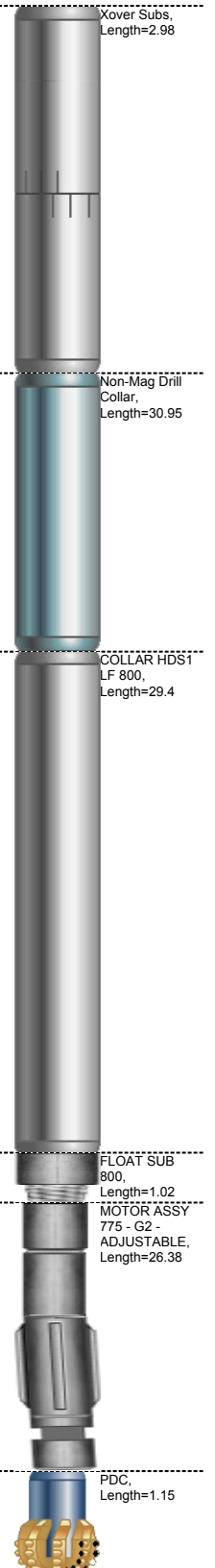


Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

BHA # on Run # 1 - BHA Summary Information																			
TIME IN - OUT					Rotary Hours		2.75	Start Depth		0	RPM Range		Flow Rate						
Start Time		End Time			Total Circu. Hours		4.67 <th colspan="2">End Depth</th> <td>790</td> <td colspan="2">50-65</td> <td colspan="3">750-798</td>	End Depth		790	50-65		750-798						
27-Sep-14 @ 06:15		27-Sep-14 @ 12:45			Slide Hours		0.08 <th colspan="2">Percent Rotary</th> <td>96.84%</td> <td colspan="5" rowspan="2"></td>	Percent Rotary		96.84%									
					Below Rotary Hour		6.50 <th colspan="2">Percent Slide</th> <td>3.16%</td>	Percent Slide		3.16%									
Total Drilled			790.00		Avg. Total ROP			278.82		Incl.			Azimuth						
Total Rotary Drilled			765.00		Avg. Rotary ROP			278.18		IN		OUT		IN		OUT			
Total Drilled Sliding			25.00		Avg. Slide ROP			300		0		1.32		0		297.91			
SPP	3,500-3,300			wt. SOW		-		PUW	-		RSW	-		Rea. POOH		Section Total Depth			
Bit Data					Motor Data					Mud Data									
Hughes Christense				HC605S			MOTOR ASSY 775 - G2 - ADJUSTABLE					Type		Water Base			BHT		91
Bit Type		PDC					Model	PathFinder		Pad OD		9.00	WT	9.50	Gas		Solids	7.00	
TFA		.663					MFG	Pathfinder		Stator / Ro		7:8	Vis	35	Sand	0.25	T	98.00	
JETS		12	12	12	12	12	Bend		1.50	Motor Diff		480	PV	7	PH	8.5	Chlor	200	
		12					Bit to Bend			Output		0.17	YP	9	WL	91.00	Oil%		
Bit Coding		IADC #		M111			NB Stab		9.00	Rotor Jet			PUMPS		PUMP1		PUMP2		
IR	OR	DL	LOC	BS	G	ODL		Sensor Offsets					NAME						
1	1	NO	A	X	I	NOTD		HDS1		43.73			Model						
Bit Drop		1011 PSI @ 750 GPM										Type							
												Liner							
												Stroke							
												Output							
Comments																			
Good MWD PW=.6																			
Company EXTRACTON OIL AND GAS ,LLC. Well NELSON FARM #3 TCM 0872 Recorder File TVO9RD6Z.rec Range Time Number 0 - 20 cps 2.99 hr 49 pts 21 - 50 cps 0.90 hr 27 pts 51 - 100 cps 0.20 hr 6 pts 101 - 200 cps 0.07 hr 2 pts 201 - 300 cps 0.00 hr 0 pts > 300 cps 0.00 hr 0 pts																			
BHA Detail																			
#	Description						Serial #		I.D	O.D	Length	Sum	Top Conn						
1	PDC						7019883				1.15	1.15							
2	MOTOR ASSY 775 - G2 - ADJUSTABLE						F77154				26.38	27.53							
3	FLOAT SUB 800						D80F347E				1.02	28.55							
4	COLLAR HDS1 LF 800						D80L218B				29.4	57.95							
5	Non-Mag Drill Collar						DR27326				30.95	88.9							
6	Xover Subs						RIG				2.98	91.88							



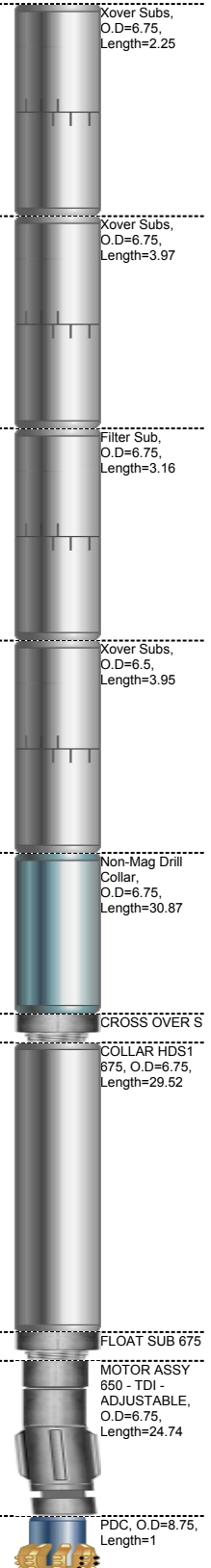


Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

BHA # 2 on Run # 2 - BHA Summary Information																	
TIME IN - OUT				Rotary Hours		19.75		Start Depth		790		RPM Range		Flow Rate			
Start Time		End Time		Total Circu. Hours		26.08		End Depth		6405		60-75		450-584			
28-Sep-14		29-Sep-14		Slide Hours		2.83		Percent Rotary		97.65%							
@ 11:45		@ 20:00		Below Rotary Hour		32.25		Percent Slide		2.35%							
Total Drilled		5,615.00		Avg. Total ROP		248.63		Incl.				Azimuth					
Total Rotary Drilled		5,483.00		Avg. Rotary ROP		277.62		IN		OUT		IN		OUT			
Total Drilled Sliding		132.00		Avg. Slide ROP		46.59		1.32		2.73		297.91		285.16			
SPP	2,950-2,887		wt. SOW		40-80		PUW	45-100		RSW	1-90		Rea. POOH	Section Total Depth			
Bit Data					Motor Data					Mud Data							
Hughes Christense			T605			MOTOR ASSY 650 - TDI - ADJUSTABLE					Type	Water Base			BHT	110	
Bit Type		PDC				Model	PathFinder		Pad OD	0.00		WT	8.50	Gas		Solids	1.00
TFA		1.035				MFG	Pathfinder		Stator / Ro	7:8		Vis	27	Sand	0.01	T	
JETS		15	15	15	15	Bend		1.95	Motor Diff	600		PV	1	PH	12.0	Chlor	50
		15				Bit to Bend		3.75	Output	0.29		YP		WL	99.00	Oil%	
Bit Coding		IADC #		M111			NB Stab		0.00		Rotor Jet		PUMPS		PUMP1		PUMP2
IR	OR	DL	LOC	BS	G	ODL		Sensor Offsets				NAME					
2	1	CT	S	X	I	NOTD		HDS1	49.19			Model					
Bit Drop		133 PSI @ 450 GPM				GAMMA		32.61			Type						
												Liner					
												Stroke					
												Output					
Comments																	
HDS-1L/GR																	
Good MWD run PW=0.6																	
Company EXTRACTON OIL AND GAS ,LLC.																	
Well NELSON FARM #3																	
TCM 0872																	
Recorder File TVO9TL5O.rec																	
Range Time Number																	
0 - 20 cps 25.22 hr 621 pts																	
21 - 50 cps 1.15 hr 31 pts																	
51 - 100 cps 0.28 hr 8 pts																	
101 - 200 cps 0.07 hr 2 pts																	
201 - 300 cps 0.00 hr 0 pts																	
> 300 cps 0.00 hr 0 pts																	
GAM 8487																	
Recorder File GdO9TL5c.rec																	
Range Vib XY Vib Z Temp Temp Range																	
0 - 3 G 34.3 hr 35.0 hr 35.2 hr < 100 C																	
3 - 5 G 0.9 hr 0.1 hr 100 - 115 C																	
5 - 8 G 0.0 hr 115 - 130 C																	
8 - 11 G 130 - 145 C																	
11 - 15 G 145 - 160 C																	
15 - 20 G 160 - 175 C																	
> 20 G > 175 C																	
Min 0.0 G 0.0 G 19.0 C/66.2 F																	
Max 7.2 G 3.8 G 66.0 C/150.8 F																	
BHA Detail																	
#	Description					Serial #		I.D	O.D	Length	Sum	Top Conn					
1	PDC					7153461		2.25	8.75	1	1	4 1/2 in REG PIN					
2	MOTOR ASSY 650 - TDI - ADJUSTABLE					FV650121		5.01	6.75	24.74	25.74	4 1/2 in XH BOX					
3	FLOAT SUB 675					D67F484A		3.38	6.75	2.86	28.6	5 1/2 in FH BOX					





Job Number: 14CAS0370

Company Name: EXTRACTION OIL & GAS LLC

Rig Name: XTREME COIL DRLG/HOU #7

Well Name: Nelson Farm #03

Well Location: Lat: 40.550455, Long: -104.906391

Well State: Colorado

Well County: Weld

Well Field: Wattenberg

Well Country:

Lead DD:

Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

4	COLLAR HDS1 675	D67C478K	3.5	6.75	29.52	58.12	5 1/2 in FH BOX
5	CROSS OVER SUB 675	D67X435A	3.5	6.75	3.07	61.19	4 1/2 in XH BOX
6	Non-Mag Drill Collar	DR15308	2.88	6.75	30.87	92.06	4 1/2 in XH BOX
7	Xover Subs	DR7867	2.83	6.5	3.95	96.01	4 1/2 in IF BOX
8	Filter Sub	DR24624	3.38	6.75	3.16	99.17	4 1/2 in IF BOX
9	Xover Subs	DR9171	2.83	6.75	3.97	103.14	4 1/2 in XH BOX
10	Xover Subs	RIG	2.75	6.75	2.25	105.39	4 1/2 in XT39



Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

BHA # 3 on Run # 3 - BHA Summary Information																															
TIME IN - OUT					Rotary Hours			0.00		Start Depth		6405		RPM Range		Flow Rate															
Start Time			End Time			Total Circu. Hours			10.58		End Depth		6670		0-0		460-481														
29-Sep-14 @ 21:50			30-Sep-14 @ 16:00			Slide Hours			9.00		Percent Rotary		0%																		
						Below Rotary Hour			18.17		Percent Slide		100%																		
Total Drilled				265.00			Avg. Total ROP			29.44		Incl.			Azimuth																
Total Rotary Drilled				0.00			Avg. Rotary ROP					IN		OUT		IN		OUT													
Total Drilled Sliding				265.00			Avg. Slide ROP			29.44		2.73		12.66		285.16		58.93													
SPP		2,958-2,900			wt. SOW			80-80		PUW		110-110		RSW		85-85		Rea. POOH		Downhole Steerable Tool Failure											
Bit Data							Motor Data						Mud Data																		
Smith-SLB					SDi611				MOTOR ASSY 700 - DynaForce Flex						Type		Fresh Water			BHT		117									
Bit Type			PDC					Model		DynaForce		Pad OD		0.00		WT		10.20		Gas <td colspan="2"></td> <th colspan="2">Solids<td colspan="2"></td></th>				Solids <td colspan="2"></td>							
TFA			.969					MFG		Pathfinder		Stator / Ro		7:8		Vis		34		Sand <td colspan="2"></td> <td colspan="2">T</td> <td colspan="2">112.00</td>				T		112.00					
JETS		15		15		15		14		14		Bend		2.25		Motor Diff		158		PV		8		PH		8.5		Chlor <td colspan="2"></td>			
		14										Bit to Bend		4.82		Output		0.29		YP		7		WL		88.00		Oil%		0.00	
Bit Coding			IADC #			M111				NB Stab		0.00		Rotor Jet				PUMPS		PUMP1			PUMP2								
IR	OR	DL	LOC	BS	G	ODL			Sensor Offsets						NAME																
0	0	NO	G	X	I	NODMF			GAMMA		33						Model														
Bit Drop			669 PSI @ 460 GPM						HDS1		49.58						Type														
																	Liner														
																			Stroke												
																					Output										

Comments

MWD Performed to specs. POOH for motor

BHA Detail

#	Description	Serial #	I.D	O.D	Length	Sum	Top Conn
1	PDC	JJ4884	2.25	8.75	1	1	4 1/2 in REG PIN
2	MOTOR ASSY 700 - DynaForce Flex	F67B234	5.01	6.75	25.13	26.13	4 1/2 in XH BOX
3	FLOAT SUB 675	D67F484A	3.38	6.75	2.86	28.99	5 1/2 in FH BOX
4	COLLAR HDS1 675	D67C478K	3.5	6.75	29.52	58.51	5 1/2 in FH BOX
5	CROSS OVER SUB 675	D67X435A	3.5	6.75	3.07	61.58	4 1/2 in XH BOX
6	Non-Mag Drill Collar	DR15308	2.88	6.75	30.87	92.45	4 1/2 in XH BOX
7	Non-Mag Drill Collar	DR8191	2.63	6.5	31.11	123.56	4 1/2 in XH BOX
8	Xover Subs	DR7867	2.83	6.5	3.95	127.51	4 1/2 in IF BOX
9	Filter Sub	DR24624	3.38	6.75	3.16	130.67	4 1/2 in IF BOX
10	Xover Subs	DR9171	2.83	6.75	3.97	134.64	4 1/2 in XH BOX
11	Xover Subs	RIG	2.75	6.75	2.25	136.89	4 1/2 in XT39

Xover Subs,
O.D=6.75,
Length=2.25

Xover Subs,
O.D=6.75,
Length=3.97

Filter Sub,
O.D=6.75,
Length=3.16

Xover Subs,
O.D=6.5,
Length=3.95

Non-Mag Drill
Collar, O.D=6.5,
Length=31.11

Non-Mag Drill
Collar,
O.D=6.75,
Length=30.87

CROSS OVER S
COLLAR HDS1
675, O.D=6.75,
Length=29.52

FLOAT SUB 675
MOTOR ASSY
700 - DynaForce
Flex, O.D=6.75,
Length=25.13

PDC, O.D=8.75,
Length=1

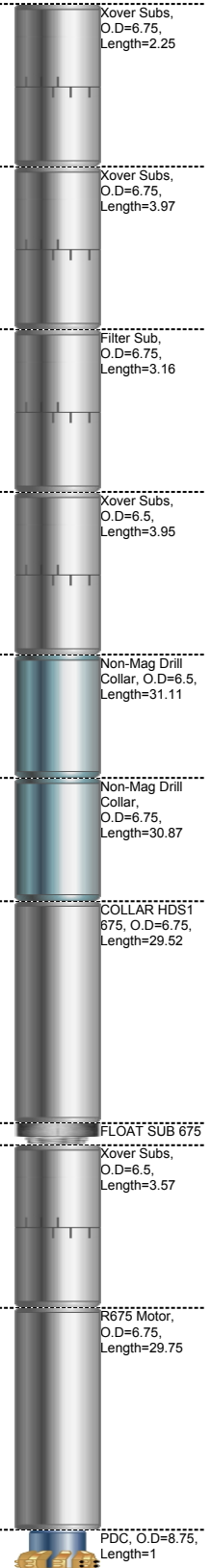


Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

BHA # 4 on Run # 4 - BHA Summary Information																		
TIME IN - OUT					Rotary Hours			0.00		Start Depth		6670		RPM Range		Flow Rate		
Start Time			End Time		Total Circu. Hours			6.25		End Depth		6796		-		550-550		
30-Sep-14 @ 18:00			01-Oct-14 @ 07:15		Slide Hours			5.50		Percent Rotary		0%						
					Below Rotary Hour			13.25		Percent Slide		100%						
Total Drilled			113.00		Avg. Total ROP			20.55		Incl.			Azimuth					
Total Rotary Drilled			0.00		Avg. Rotary ROP					IN		OUT		IN		OUT		
Total Drilled Sliding			113.00		Avg. Slide ROP			20.55		12.66		15.04		58.93		78.71		
SPP	3,500-2,800		wt. SOW		90-90		PUW	110-110		RSW	80-80		Rea. POOH	Downhole Steerable Tool Failure				
Bit Data					Motor Data					Mud Data								
Smith-SLB			SDi611			R675 Motor					Type	Fresh Water			BHT	140		
Bit Type		PDC				Model	Rental Moto		Pad OD			WT	10.40	Gas		Solids	10.50	
TFA		.969				MFG	Baker Hugh		Stator / Ro		5:6	Vis	38	Sand	0.01	T		
JETS		15	15	15	14	14	Bend		2.38	Motor Diff		700	PV	9	PH	9.5	Chlor	150
		14					Bit to Bend		4.82	Output		0.33	YP	8	WL	87.50	Oil%	
Bit Coding		IADC #		M111			NB Stab			Rotor Jet			PUMPS		PUMP1		PUMP2	
IR	OR	DL	LOC	BS	G	ODL		Sensor Offsets				NAME						
1	1	CT	S	X	I	CTDMF		GAMMA	41.49			Model						
Bit Drop			976 PSI @ 550 GPM				HDS1		58.07			Type						
											Liner							
											Stroke							
											Output							
Comments																		
Baker motor failure POOH for new motor and bit																		
BHA Detail																		
#	Description						Serial #		I.D	O.D	Length	Sum	Top Conn					
1	PDC						JJ4884		2.25	8.75	1	1	4 1/2 in REG PIN					
2	R675 Motor						13245784		5.01	6.75	29.75	30.75						
3	Xover Subs						DR18275		2.75	6.5	3.57	34.32						
4	FLOAT SUB 675						D67F484A		3.38	6.75	2.86	37.18	5 1/2 in FH BOX					
5	COLLAR HDS1 675						D67C478K		3.5	6.75	29.52	66.7	5 1/2 in FH BOX					
6	Non-Mag Drill Collar						DR15308		2.88	6.75	30.87	97.57	4 1/2 in XH BOX					
7	Non-Mag Drill Collar						DR8191		2.63	6.5	31.11	128.68	4 1/2 in XH BOX					
8	Xover Subs						DR7867		2.83	6.5	3.95	132.63	4 1/2 in IF BOX					
9	Filter Sub						DR24624		3.38	6.75	3.16	135.79	4 1/2 in IF BOX					
10	Xover Subs						DR9171		2.83	6.75	3.97	139.76	4 1/2 in XH BOX					
11	Xover Subs						RIG		2.75	6.75	2.25	142.01	4 1/2 in XT39					



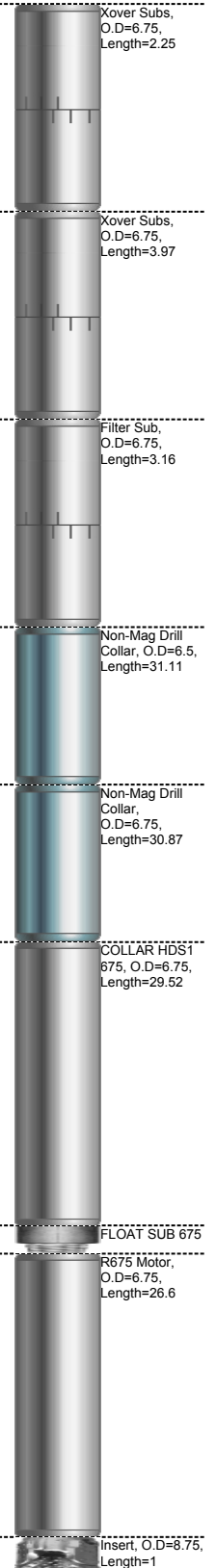


Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

BHA # 5 on Run # 5 - BHA Summary Information																				
TIME IN - OUT				Rotary Hours		2.42		Start Depth		6796		RPM Range		Flow Rate						
Start Time		End Time		Total Circu. Hours		13.00		End Depth		7161		0-20		500-500						
01-Oct-14 @ 11:15		02-Oct-14 @ 08:00		Slide Hours		9.75		Percent Rotary		20%										
				Below Rotary Hour		20.75		Percent Slide		80%										
Total Drilled		365.00		Avg. Total ROP		30		Incl.				Azimuth								
Total Rotary Drilled		73.00		Avg. Rotary ROP		30.21		IN		OUT		IN		OUT						
Total Drilled Sliding		292.00		Avg. Slide ROP		29.95		15.04		61.98		78.71		89.78						
SPP	3,700-3,500		wt. SOW		95-95		PUW	130-130		RSW	115-115		Rea. POOH		Torque					
Bit Data					Motor Data					Mud Data										
Hughes Christense			Rock bit GT-1			R675 Motor					Type		Water Base			BHT		162		
Bit Type		Insert				Model	Rental Moto		Pad OD				WT	10.40	Gas		Solids	10.50		
TFA		.746				MFG	Spidle Turb		Stator / Ro		7:8		Vis	39	Sand	0.01	T			
JETS		18	18	18	14	14	Bend		2.50		Motor Diff		200		PV	9	PH	9.5	Chlor	150
		14					Bit to Bend		3.86		Output		0.28		YP	12	WL	87.50	Oil%	
Bit Coding		IADC #		406			NB Stab				Rotor Jet				PUMPS		PUMP1		PUMP2	
IR	OR	DL	LOC	BS	G	ODL		Sensor Offsets					NAME		EMSCO					
2	2	WT	A		I	WTTQ		HDS1	51.05					Model	MK1600					
Bit Drop		389 PSI @ 500 GPM					GAMMA		34.47						Type	Triplex				
														Liner	6					
														Stroke	12					
														Output	4.2					
Comments																				
MWD and motor performed to specs. POOH for bit touring up before we get to bottom and drill plus no ROP.																				
BHA Detail																				
#	Description					Serial #		I.D	O.D	Length	Sum	Top Conn								
1	Insert					5235640			8.75	1	1									
2	R675 Motor					FT65036			6.75	26.6	27.6									
3	FLOAT SUB 675					D67F484A		3.38	6.75	2.86	30.46	5 1/2 in FH BOX								
4	COLLAR HDS1 675					D67C478K		3.5	6.75	29.52	59.98	5 1/2 in FH BOX								
5	Non-Mag Drill Collar					DR15308		2.88	6.75	30.87	90.85	4 1/2 in XH BOX								
6	Non-Mag Drill Collar					DR8191		2.63	6.5	31.11	121.96	4 1/2 in XH BOX								
7	Filter Sub					DR24624		3.38	6.75	3.16	125.12	4 1/2 in IF BOX								
8	Xover Subs					DR9171		2.83	6.75	3.97	129.09	4 1/2 in XH BOX								
9	Xover Subs					RIG		2.75	6.75	2.25	131.34	4 1/2 in XT39								



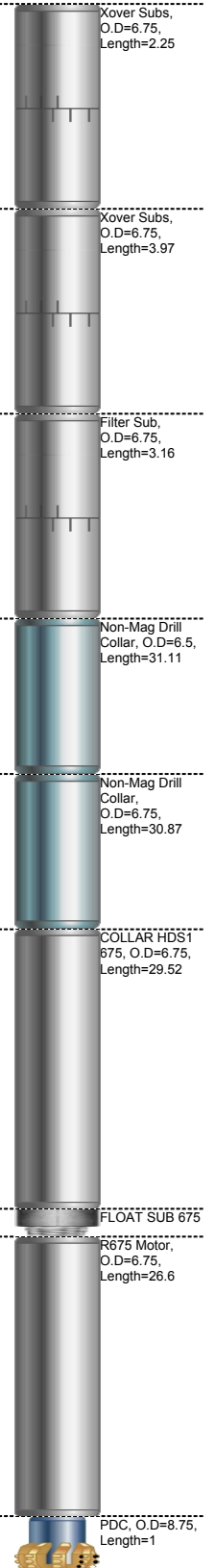


Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

BHA # 6 on Run # 6 - BHA Summary Information																		
TIME IN - OUT				Rotary Hours		0.83		Start Depth		7161		RPM Range		Flow Rate				
Start Time		End Time		Total Circu. Hours		5.42		End Depth		7307		0-20		500-524				
02-Oct-14 @ 08:15		02-Oct-14 @ 22:05		Slide Hours		3.00		Percent Rotary		26.36%								
				Below Rotary Hour		13.83		Percent Slide		73.64%								
Total Drilled		129.00		Avg. Total ROP			33.65		Incl.			Azimuth						
Total Rotary Drilled		34.00		Avg. Rotary ROP			40.8		IN		OUT		IN		OUT			
Total Drilled Sliding		95.00		Avg. Slide ROP			31.67		61.98		78.35		89.78		88.9			
SPP	3,959-3,700		wt. SOW		100-100		PUW	120-120		RSW	90-90		Rea. POOH		Downhole Steerable Tool Failure			
Bit Data					Motor Data					Mud Data								
Smith-SLB			SDI611			R675 Motor					Type		Water Base			BHT		155
Bit Type		PDC				Model	Rental Moto		Pad OD			WT	10.50	Gas		Solids	10.00	
TFA		.969				MFG	Spidle Turb		Stator / Ro		7:8	Vis	35	Sand	0.50	T	110.00	
JETS		15	15	15	14	14	Bend		2.50	Motor Diff		328	PV	6	PH	8.5	Chlor	300
		14					Bit to Bend		3.86	Output		0.28	YP	14	WL	87.00	Oil%	0.00
Bit Coding		IADC #		M111			NB Stab			Rotor Jet			PUMPS		PUMP1		PUMP2	
IR	OR	DL	LOC	BS	G	ODL		Sensor Offsets					NAME					
1	1	CT	G	X	I	NODMF		GAMMA	34.47			Model						
Bit Drop		814 PSI @ 500 GPM					HDS1	51.05			Type		Triplex					
											Liner		6					
											Stroke		12					
											Output		4.2					
Comments																		
MWD performed to specs. Motor failed. POOH for Motor and land curve																		
BHA Detail																		
#	Description					Serial #		I.D	O.D	Length	Sum	Top Conn						
1	PDC					JJ4884		2.25	8.75	1	1	4 1/2 in REG PIN						
2	R675 Motor					FT65036			6.75	26.6	27.6							
3	FLOAT SUB 675					D67F484A		3.38	6.75	2.86	30.46	5 1/2 in FH BOX						
4	COLLAR HDS1 675					D67C478K		3.5	6.75	29.52	59.98	5 1/2 in FH BOX						
5	Non-Mag Drill Collar					DR15308		2.88	6.75	30.87	90.85	4 1/2 in XH BOX						
6	Non-Mag Drill Collar					DR8191		2.63	6.5	31.11	121.96	4 1/2 in XH BOX						
7	Filter Sub					DR24624		3.38	6.75	3.16	125.12	4 1/2 in IF BOX						
8	Xover Subs					DR9171		2.83	6.75	3.97	129.09	4 1/2 in XH BOX						
9	Xover Subs					RIG		2.75	6.75	2.25	131.34	4 1/2 in XT39						





Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

BHA # 7 on Run # 7 - BHA Summary Information																		
TIME IN - OUT				Rotary Hours			0.08		Start Depth		7307		RPM Range		Flow Rate			
Start Time		End Time		Total Circu. Hours			3.42 <th colspan="2">End Depth</th> <td colspan="2">7335</td> <td colspan="2">0-20</td> <td colspan="2">500-500</td>		End Depth		7335		0-20		500-500			
02-Oct-14 @ 22:50		03-Oct-14 @ 12:30		Slide Hours			1.00 <th colspan="2">Percent Rotary</th> <td colspan="2">4.44%</td> <th colspan="4" rowspan="2"></th>		Percent Rotary		4.44%							
				Below Rotary Hour			13.67 <th colspan="2">Percent Slide</th> <td colspan="2">95.56%</td>		Percent Slide		95.56%							
Total Drilled		45.00		Avg. Total ROP			41.54		Incl.			Azimuth						
Total Rotary Drilled		2.00		Avg. Rotary ROP			24		IN		OUT		IN		OUT			
Total Drilled Sliding		43.00		Avg. Slide ROP			43		78.35		81.6		88.9		89.6			
SPP	3,900-3,600		wt. SOW		95-95		PUW	125-125		RSW	110-110		Rea. POOH		Section Total Depth			
Bit Data					Motor Data					Mud Data								
Smith-SLB			SDi611			Hunting Motor					Type	Fresh Water			BHT	152		
Bit Type		PDC					Model	Hunting Mot		Pad OD			WT	10.40	Gas		Solids	9.00
TFA		.969					MFG	Hunting		Stator / Ro		7:8	Vis	33	Sand	0.50	T	
JETS		15	15	15	14	14	Bend		2.38	Motor Diff		300	PV	8	PH	8.5	Chlor	400
		14					Bit to Bend		6.20	Output		0.29	YP	8	WL	88.00	Oil%	2.00
Bit Coding		IADC #		M111			NB Stab			Rotor Jet			PUMPS		PUMP1		PUMP2	
IR	OR	DL	LOC	BS	G	ODL		Sensor Offsets					NAME					
1	1	CT	S	X	I	WTTD		HDS1	51.24				Model					
Bit Drop		806 PSI @ 500 GPM					GAMMA		34.66				Type	Triplex				
												Liner	6					
												Stroke	12					
												Output	4.2					
Comments																		
Good HDS-1/GR Run PW=0.6																		
TCM 0872 Recorder File TVOA3C31.rec Range Time Number 0 - 20 cps 66.99 hr 959 pts 21 - 50 cps 8.26 hr 146 pts 51 - 100 cps 4.71 hr 79 pts 101 - 200 cps 2.27 hr 42 pts 201 - 300 cps 0.29 hr 5 pts > 300 cps 0.00 hr 0 pts																		
GAM 8487 Recorder File GdOA3C3H.rec Range Vib XY Vib Z Temp Temp Range 0 - 3 G 80.3 hr 85.5 hr 86.9 hr < 100 C 3 - 5 G 6.0 hr 1.2 hr 100 - 115 C 5 - 8 G 0.6 hr 0.1 hr 115 - 130 C 8 - 11 G 0.0 hr 0.0 hr 130 - 145 C 11 - 15 G 0.0 hr 145 - 160 C 15 - 20 G 160 - 175 C > 20 G > 175 C Min 0.0 G 0.0 G 12.0 C/53.6 F Max 11.2 G 10.4 G 77.0 C/170.6 F																		
BHA Detail																		
#	Description					Serial #		I.D	O.D	Length	Sum	Top Conn						
1	PDC					JJ4884		2.25	8.75	1	1	4 1/2 in REG PIN						
2	Hunting Motor					2044		5.01	6.75	26.79	27.79							
3	FLOAT SUB 675					D67F484A		3.38	6.75	2.86	30.65	5 1/2 in FH BOX						
4	COLLAR HDS1 675					D67C478K		3.5	6.75	29.52	60.17	5 1/2 in FH BOX						
5	Non-Mag Drill Collar					DR15308		2.88	6.75	30.87	91.04	4 1/2 in XH BOX						
6	Non-Mag Drill Collar					DR8191		2.63	6.5	31.11	122.15	4 1/2 in XH BOX						

Xover Subs,
O.D=6.75,
Length=2.25

Xover Subs,
O.D=6.75,
Length=3.97

Filter Sub,
O.D=6.75,
Length=3.16

Non-Mag Drill
Collar, O.D=6.5,
Length=31.11

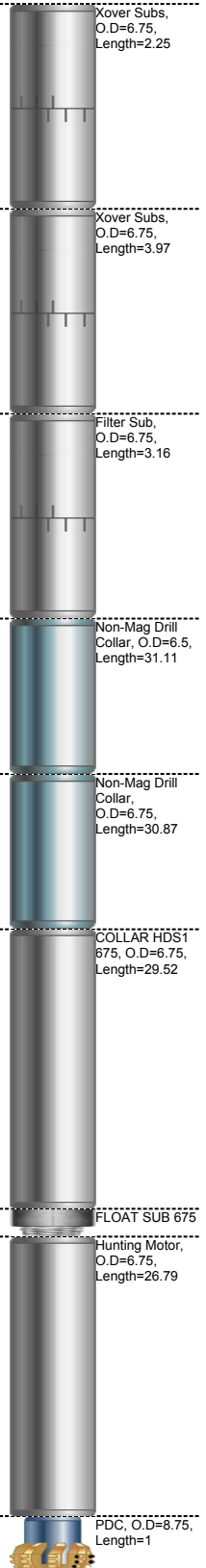
Non-Mag Drill
Collar,
O.D=6.75,
Length=30.87

COLLAR HDS1
675, O.D=6.75,
Length=29.52

FLOAT SUB 675

Hunting Motor,
O.D=6.75,
Length=26.79

PDC, O.D=8.75,
Length=1





Job Number: 14CAS0370

Company Name: EXTRACTION OIL & GAS LLC

Rig Name: XTREME COIL DRLG/HOU #7

Well Name: Nelson Farm #03

Well Location: Lat: 40.550455, Long: -104.906391

Well State: Colorado

Well County: Weld

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Well Country:

Lead DD:

Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

7	Filter Sub	DR24624	3.38	6.75	3.16	125.31	4 1/2 in IF BOX
8	Xover Subs	DR9171	2.83	6.75	3.97	129.28	4 1/2 in XH BOX
9	Xover Subs	RIG	2.75	6.75	2.25	131.53	4 1/2 in XT39



Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
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Well State: Colorado

Well County: Weld
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BHA # 8 on Run # 8 - BHA Summary Information																	
TIME IN - OUT				Rotary Hours		30.01		Start Depth		7335		RPM Range		Flow Rate			
Start Time		End Time		Total Circu. Hours		57.99		End Depth		14640		61-61		300-300			
04-Oct-14 @ 05:25		08-Oct-14 @ 04:00		Slide Hours		12.06		Percent Rotary		91.85%							
				Below Rotary Hour		94.58		Percent Slide		8.15%							
Total Drilled		7,305.00		Avg. Total ROP		173.6		Incl.				Azimuth					
Total Rotary Drilled		6,710.00		Avg. Rotary ROP		223.59		IN		OUT		IN		OUT			
Total Drilled Sliding		595.00		Avg. Slide ROP		49.34		81.6		88.9		89.6		89.87			
SPP	4,244-3,473		wt. SOW		-		PUW	-		RSW	-		Rea. POOH	Well Total Depth			
Bit Data					Motor Data					Mud Data							
ReedHycalog (NOV)			516M-C2			R500 Motor					Type	Water Base			BHT	227	
Bit Type		PDC				Model	Rental Moto		Pad OD		WT	9.10	Gas		Solids	5.00	
TFA		.752				MFG	Other		Stator / Ro	6:7	Vis	36	Sand	0.50	T		
JETS		14	14	14	14	14	Bend		1.50	Motor Diff	771	PV	7	PH	10.0	Chlor	200
		14					Bit to Bend		5.18	Output	0.86	YP	8	WL	92.00	Oil%	
Bit Coding		IADC #		M111		NB Stab			Rotor Jet			PUMPS		PUMP1		PUMP2	
IR	OR	DL	LOC	BS	G	ODL		Sensor Offsets				NAME					
1	1	CT	G	X	I	WTTD		GAMMA	45.81			Model					
Bit Drop		120 PSI @ 300 GPM				HDS1		62.39			Type		Triplex				
										Liner		6					
										Stroke		12					
										Output		4.2					
Comments																	
Good MWD run. PW=.8																	
Company EXTRACTON OIL & GAS LLC Well NELSON FARM #3 GAM 8487 Recorder File GdOA83jv.rec Range Vib XY Vib Z Temp Temp Range 0 - 3 G 48.0 hr 76.5 hr 46.7 hr < 100 C 3 - 5 G 32.3 hr 19.5 hr 49.4 hr 100 - 115 C 5 - 8 G 15.3 hr 0.0 hr 115 - 130 C 8 - 11 G 0.4 hr 130 - 145 C 11 - 15 G 145 - 160 C 15 - 20 G 160 - 175 C > 20 G > 175 C Min 0.0 G 0.0 G 2.0 C/35.6 F Max 10.3 G 5.2 G 112.0 C/233.6 F																	
Company EXTRACTON OIL & GAS LLC Well NELSON FARM #3 TCM 0872 Recorder File TVOA83ja.rec Range Time Number 0 - 20 cps 23.39 hr 193 pts 21 - 50 cps 6.22 hr 123 pts 51 - 100 cps 11.78 hr 307 pts 101 - 200 cps 14.38 hr 422 pts 201 - 300 cps 4.22 hr 124 pts > 300 cps 0.07 hr 2 pts																	
BHA Detail																	
#	Description					Serial #		I.D	O.D	Length	Sum	Top Conn					
1	PDC					A192370			6.13	0.5	0.5						
2	R500 Motor					PTS35985			5	29.85	30.35						
3	Pony DC					DR28037		2.75	4.5	11.11	41.46						





Job Number: 14CAS0370

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Rig Name: XTREME COIL DRLG/HOU #7

Well Name: Nelson Farm #03

Well Location: Lat: 40.550455, Long: -104.906391

Well State: Colorado

Well County: Weld

Well Field: Wattenberg

Well Country:

Lead DD:

Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

4	STABILIZER HDS1 475	D47T333	2.32	4.8	1.15	42.61	
5	COLLAR HDS1 475	D47C293K	2.81	4.75	28.09	70.7	
6	Non-Mag Drill Collar	DR26544	2.81	4.75	30.96	101.66	
7	Non-Mag Drill Collar	DR21288	2.81	4.75	29.98	131.64	
8	Filter Sub	DR24331	2.5	4.63	3.06	134.7	
9	Xover Subs	DR19481	2.25	4.75	3.22	137.92	



Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

Mud Motor / Rotary Steerable Report for BHA # on Run # 1

Time and Depths		Motor		RSS	
Date In:	27-Sep-2014 @ 06:15	Desc:	MOTOR ASSY 775 - G2 - AD	Desc:	
Date Out:	27-Sep-2014 @ 12:45	MFG:	Pathfinder	Service Name:	
Hours In Hole:	7	BHA Circ/All BHA:	4.66666666666667 / 127.406	BHA Circ/All BHA:	
Start Depth:	0	Motor SN:	F77154	Rotary SN:	
End Depth:	790	Pad OD:	9.00	RS Pad OD:	
Total Drilled:	790	NB Stab:	9.00	RS Stab OD:	
Avg. Total ROP:	278.82	Bit to Bend Dist:		Bias Unit Type:	
Total Circu. Hours:	4.66666666666667	Bent Hsg / Sub:	1.50	RT Com M Method:	
Percent Slide:	3.16%	Lobe / Stage:	7:8 / 4	Control Collar Stab:	
Percent Slide Hours:	2.82%	Output:	0.170	CC Stab Size:	
Slide Hours:	0.08	Rotor Jet:		Prop BUR:	
Total Sliding:	25	Prop Yield:	12.00	Act BUR:	
Avg. Slide ROP:	300	Act Yield:	2.00	Strike Ring Size:	
Percent Rotary:	96.84%	Stator Clearance:		Bit Period:	
Percent Rotary Hours:	97.06%	Number of Stalls:		Bit to Ref Point:	
Rot / Total Hours:	2.75	Stall Pressure:		% Drop Flow:	
Rotary Drilled:	765				
Avg. Rotary ROP:	278.18				
Reason POOH:	Section Total Depth				

Drilling Parameters

SO / PU:	/	SPP On Bot:	3,500 - 3,780	Flow Rate:	750 - 798
Rotating WOB:	38.33	SPP Off Bot:	2,500 - 3,300		
Sliding WOB:	20.00	Avg Diff:	870.00		
On Bot Torque:	2,500	Motor RPM:	129.54		
Off Bot Torque:	100	Rotary RPM:	50 - 65		

Bit Record

Description:	PDC	Jets:	12,12,12,12,12,12	IADC#	M111
Run #	1	Bit Drop:	1011 PSI @ 750 GPM	TFA:	.663
Type Bit:	PDC	Condition:	1,1,NO,A,X,I,NO,TD		

Mud Data

Type:	Water Base							WT:	9.50	Vis:	35	WL:	91.00	PV:	7	Flow T:	98.00
Sand:	0.25	Chlor:	200	Gas:		Sol:	7.00	Oil %:		YP:	9	PH:	8.5	BH Temp:	91		
Formation:																	
Expanded Reason to Pull:																	
BHA Performance and Comments:																	



Job Number: 14CAS0370

Company Name: EXTRACTION OIL & GAS LLC

Rig Name: XTREME COIL DRLG/HOU #7

Well Name: Nelson Farm #03

Well Location: Lat: 40.550455, Long: -104.906391

Well State: Colorado

Well County: Weld

Well Field: Wattenberg

Well Country:

Lead DD:

Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

Good MWD PW=.6

Company EXTRACTON OIL AND GAS ,LLC.

Well NELSON FARM #3

TCM 0872

Recorder File TVO9RD6Z.rec

Range Time Number

0 - 20 cps 2.99 hr 49 pts

21 - 50 cps 0.90 hr 27 pts

51 - 100 cps 0.20 hr 6 pts

101 - 200 cps 0.07 hr 2 pts

201 - 300 cps 0.00 hr 0 pts

> 300 cps 0.00 hr 0 pts



Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

Mud Motor / Rotary Steerable Report for BHA # 2 on Run # 2

Time and Depths				Motor				RSS							
Date In:		28-Sep-2014 @ 11:45		Desc:		MOTOR ASSY 650 - TDI - A		Desc:							
Date Out:		29-Sep-2014 @ 20:00		MFG:		Pathfinder		Service Name:							
Hours In Hole:		32		BHA Circ/All BHA:		26.0833333333333 / 127.406		BHA Circ/All BHA:							
Start Depth:		790		Motor SN:		FV650121		Rotary SN:							
End Depth:		6405		Pad OD:		0.00		RS Pad OD:							
Total Drilled:		5,615		NB Stab:		0.00		RS Stab OD:							
Avg. Total ROP:		248.63		Bit to Bend Dist:		3.75		Bias Unit Type:							
Total Circu. Hours:		26.0833333333333		Bent Hsg / Sub:		1.95		RT Com M Method:							
Percent Slide:		2.35%		Lobe / Stage:		7:8 / 5		Control Collar Stab:							
Percent Slide Hours:		12.53%		Output:		0.290		CC Stab Size:							
Slide Hours:		2.83		Rotor Jet:				Prop BUR:							
Total Sliding:		132		Prop Yield:		15.00		Act BUR:							
Avg. Slide ROP:		46.59		Act Yield:		5.00		Strike Ring Size:							
Percent Rotary:		97.65%		Stator Clearance:				Bit Period:							
Percent Rotary Hours:		87.45%		Number of Stalls:				Bit to Ref Point:							
Rot / Total Hours:		19.75		Stall Pressure:				% Drop Flow:							
Rotary Drilled:		5,483													
Avg. Rotary ROP:		277.62													
Reason POOH:		Section Total Depth													
Drilling Parameters															
SO / PU:		46 / 53				SPP On Bot:		2,950 - 3,744		Flow Rate: 450 - 584					
Rotating WOB:		19.17				SPP Off Bot:		2,250 - 2,887							
Sliding WOB:		19.09				Avg Diff:		693.19							
On Bot Torque:		9,000				Motor RPM:		161.82							
Off Bot Torque:		2,000				Rotary RPM:		60 - 75							
Bit Record															
Description:		PDC				Jets:		15,15,15,15,15,15		IADC# M111					
Run #		2				Bit Drop:		133 PSI @ 450 GPM		TFA: 1.035					
Type Bit:		PDC				Condition:		2,1,CT,S,X,I,NO,TD							
Mud Data															
Type:	Water Base					WT:	8.50	Vis:	27	WL:	99.00	PV:	1	Flow T:	
Sand:	0.01	Chlor:	50	Gas:		Sol:	1.00	Oil %:		YP:		PH:	12.0	BH Temp:	110
Formation:															
Expanded Reason to Pull:															
BHA Performance and Comments:															



Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

HDS-1L/GR

Good MWD run PW=0.6

Company EXTRACTON OIL AND GAS ,LLC.

Well NELSON FARM #3

TCM 0872

Recorder File TVO9TL5O.rec

Range Time Number

0 - 20 cps 25.22 hr 621 pts

21 - 50 cps 1.15 hr 31 pts

51 - 100 cps 0.28 hr 8 pts

101 - 200 cps 0.07 hr 2 pts

201 - 300 cps 0.00 hr 0 pts

> 300 cps 0.00 hr 0 pts

GAM 8487

Recorder File GdO9TL5c.rec

Range Vib XY Vib Z Temp Temp Range

0 - 3 G 34.3 hr 35.0 hr 35.2 hr < 100 C

3 - 5 G 0.9 hr 0.1 hr 100 - 115 C

5 - 8 G 0.0 hr 115 - 130 C

8 - 11 G 130 - 145 C

11 - 15 G 145 - 160 C

15 - 20 G 160 - 175 C

> 20 G > 175 C

Min 0.0 G 0.0 G 19.0 C/66.2 F

Max 7.2 G 3.8 G 66.0 C/150.8 F



Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

Mud Motor / Rotary Steerable Report for BHA # 3 on Run # 3

Time and Depths		Motor		RSS	
Date In:	29-Sep-2014 @ 21:50	Desc:	MOTOR ASSY 700 - DynaFo	Desc:	
Date Out:	30-Sep-2014 @ 16:00	MFG:	Pathfinder	Service Name:	
Hours In Hole:	18	BHA Circ/All BHA:	10.583333333333 / 127.406	BHA Circ/All BHA:	
Start Depth:	6405	Motor SN:	F67B234	Rotary SN:	
End Depth:	6670	Pad OD:	0.00	RS Pad OD:	
Total Drilled:	265	NB Stab:	0.00	RS Stab OD:	
Avg. Total ROP:	29.44	Bit to Bend Dist:	4.82	Bias Unit Type:	
Total Circu. Hours:	10.583333333333	Bent Hsg / Sub:	2.25	RT Com M Method:	
Percent Slide:	100%	Lobe / Stage:	7:8 / 5	Control Collar Stab:	
Percent Slide Hours:	100%	Output:	0.290	CC Stab Size:	
Slide Hours:	9.00	Rotor Jet:		Prop BUR:	
Total Sliding:	265	Prop Yield:	12.00	Act BUR:	
Avg. Slide ROP:	29.44	Act Yield:	8.80	Strike Ring Size:	
Percent Rotary:	0%	Stator Clearance:		Bit Period:	
Percent Rotary Hours:	0%	Number of Stalls:		Bit to Ref Point:	
Rot / Total Hours:	0.00	Stall Pressure:		% Drop Flow:	
Rotary Drilled:	0				
Avg. Rotary ROP:					
Reason POOH:	Downhole Steerable Too				

Drilling Parameters

SO / PU:	80 / 110	SPP On Bot:	2,958 - 3,100	Flow Rate:	460 - 481
Rotating WOB:	1.00	SPP Off Bot:	2,800 - 2,900		
Sliding WOB:	14.00	Avg Diff:	179.00		
On Bot Torque:	4	Motor RPM:	136.59		
Off Bot Torque:	4	Rotary RPM:	0 - 0		

Bit Record

Description:	PDC	Jets:	15,15,15,14,14,14	IADC#	M111
Run #	3	Bit Drop:	669 PSI @ 460 GPM	TFA:	.969
Type Bit:	PDC	Condition:	0,0,NO,G,X,I,NO,DMF		

Mud Data

Type:	Fresh Water						WT:	10.20	Vis:	34	WL:	88.00	PV:	8	Flow T:	112.00
Sand:		Chlor:		Gas:		Sol:		Oil %:	0.00	YP:	7	PH:	8.5	BH Temp:	117	

Formation:

Expanded Reason to Pull:

BHA Performance and Comments:

MWD Performed to specs. POOH for motor



Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

Mud Motor / Rotary Steerable Report for BHA # 4 on Run # 4

Time and Depths		Motor		RSS	
Date In:	30-Sep-2014 @ 18:00	Desc:	R675 Motor	Desc:	
Date Out:	01-Oct-2014 @ 07:15	MFG:	Baker Hughes	Service Name:	
Hours In Hole:	13	BHA Circ/All BHA:	6.25 / 127.406666666667	BHA Circ/All BHA:	
Start Depth:	6670	Motor SN:	13245784	Rotary SN:	
End Depth:	6796	Pad OD:		RS Pad OD:	
Total Drilled:	113	NB Stab:		RS Stab OD:	
Avg. Total ROP:	20.55	Bit to Bend Dist:	4.82	Bias Unit Type:	
Total Circu. Hours:	6.25	Bent Hsg / Sub:	2.38 / 2.38	RT Com M Method:	
Percent Slide:	100%	Lobe / Stage:	5:6 / 5	Control Collar Stab:	
Percent Slide Hours:	100%	Output:	0.330	CC Stab Size:	
Slide Hours:	5.50	Rotor Jet:		Prop BUR:	
Total Sliding:	113	Prop Yield:		Act BUR:	
Avg. Slide ROP:	20.55	Act Yield:		Strike Ring Size:	
Percent Rotary:	0%	Stator Clearance:		Bit Period:	
Percent Rotary Hours:	0%	Number of Stalls:		Bit to Ref Point:	
Rot / Total Hours:	0.00	Stall Pressure:		% Drop Flow:	
Rotary Drilled:	0				
Avg. Rotary ROP:					
Reason POOH:	Downhole Steerable Too				

Drilling Parameters

SO / PU:	90 / 110	SPP On Bot:	3,500 - 3,500	Flow Rate:	550 - 550
Rotating WOB:		SPP Off Bot:	2,800 - 2,800		
Sliding WOB:	10.00	Avg Diff:	700.00		
On Bot Torque:	4	Motor RPM:	181.5		
Off Bot Torque:	4	Rotary RPM:	-		

Bit Record

Description:	PDC	Jets:	15,15,15,14,14,14	IADC#	M111
Run #	4	Bit Drop:	976 PSI @ 550 GPM	TFA:	.969
Type Bit:	PDC	Condition:	1,1,CT,S,X,I,CT,DMF		

Mud Data

Type:	Fresh Water							WT:	10.40	Vis:	38	WL:	87.50	PV:	9	Flow T:	
Sand:	0.01	Chlor:	150	Gas:		Sol:	10.50	Oil %:		YP:	8	PH:	9.5	BH Temp:	140		
Formation:																	
Expanded Reason to Pull:																	
BHA Performance and Comments:																	
Baker motor failure POOH for new motor and bit																	



Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

Mud Motor / Rotary Steerable Report for BHA # 5 on Run # 5

Time and Depths		Motor		RSS	
Date In:	01-Oct-2014 @ 11:15	Desc:	R675 Motor	Desc:	
Date Out:	02-Oct-2014 @ 08:00	MFG:	Spidle Turbeco (Flotek)	Service Name:	
Hours In Hole:	21	BHA Circ/All BHA:	13 / 127.406666666667	BHA Circ/All BHA:	
Start Depth:	6796	Motor SN:	FT65036	Rotary SN:	
End Depth:	7161	Pad OD:		RS Pad OD:	
Total Drilled:	365	NB Stab:		RS Stab OD:	
Avg. Total ROP:	30	Bit to Bend Dist:	3.86	Bias Unit Type:	
Total Circu. Hours:	13	Bent Hsg / Sub:	2.50 / 2.50	RT Com M Method:	
Percent Slide:	80%	Lobe / Stage:	7:8 / 5	Control Collar Stab:	
Percent Slide Hours:	80.14%	Output:	0.280	CC Stab Size:	
Slide Hours:	9.75	Rotor Jet:		Prop BUR:	
Total Sliding:	292	Prop Yield:		Act BUR:	
Avg. Slide ROP:	29.95	Act Yield:		Strike Ring Size:	
Percent Rotary:	20%	Stator Clearance:		Bit Period:	
Percent Rotary Hours:	19.89%	Number of Stalls:		Bit to Ref Point:	
Rot / Total Hours:	2.42	Stall Pressure:		% Drop Flow:	
Rotary Drilled:	73				
Avg. Rotary ROP:	30.21				
Reason POOH:	Torque				

Drilling Parameters

SO / PU:	95 / 130	SPP On Bot:	3,700 - 3,700	Flow Rate:	500 - 500
Rotating WOB:	35.00	SPP Off Bot:	3,500 - 3,500		
Sliding WOB:	35.00	Avg Diff:	200.00		
On Bot Torque:	8,500	Motor RPM:	140		
Off Bot Torque:	4,500	Rotary RPM:	0 - 20		

Bit Record

Description:	Insert	Jets:	18,18,18	IADC#	406
Run #	5	Bit Drop:	389 PSI @ 500 GPM	TFA:	.746
Type Bit:	Insert	Condition:	2,2,WT,A,,I,WT,TQ		

Mud Data

Type:	Water Base							WT:	10.40	Vis:	39	WL:	87.50	PV:	9	Flow T:	
Sand:	0.01	Chlor:	150	Gas:		Sol:	10.50	Oil %:		YP:	12	PH:	9.5	BH Temp:	162		
Formation:			Other														
Expanded Reason to Pull:																	
BHA Performance and Comments:																	
MWD and motor performed to specs. POOH for bit touring up before we get to bottom and drill plus no ROP.																	



Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

Mud Motor / Rotary Steerable Report for BHA # 6 on Run # 6

Time and Depths		Motor		RSS	
Date In:	02-Oct-2014 @ 08:15	Desc:	R675 Motor	Desc:	
Date Out:	02-Oct-2014 @ 22:05	MFG:	Spidle Turbeco (Flotek)	Service Name:	
Hours In Hole:	14	BHA Circ/All BHA:	5.41666666666667 / 127.406	BHA Circ/All BHA:	
Start Depth:	7161	Motor SN:	FT65036	Rotary SN:	
End Depth:	7307	Pad OD:		RS Pad OD:	
Total Drilled:	129	NB Stab:		RS Stab OD:	
Avg. Total ROP:	33.65	Bit to Bend Dist:	3.86	Bias Unit Type:	
Total Circu. Hours:	5.41666666666667	Bent Hsg / Sub:	2.50 / 2.50	RT Com M Method:	
Percent Slide:	73.64%	Lobe / Stage:	7:8 / 5	Control Collar Stab:	
Percent Slide Hours:	78.26%	Output:	0.280	CC Stab Size:	
Slide Hours:	3.00	Rotor Jet:		Prop BUR:	
Total Sliding:	95	Prop Yield:		Act BUR:	
Avg. Slide ROP:	31.67	Act Yield:		Strike Ring Size:	
Percent Rotary:	26.36%	Stator Clearance:		Bit Period:	
Percent Rotary Hours:	21.65%	Number of Stalls:		Bit to Ref Point:	
Rot / Total Hours:	0.83	Stall Pressure:		% Drop Flow:	
Rotary Drilled:	34				
Avg. Rotary ROP:	40.8				
Reason POOH:	Downhole Steerable Too				

Drilling Parameters

SO / PU:	100 / 120	SPP On Bot:	3,959 - 4,100	Flow Rate:	500 - 524
Rotating WOB:	20.80	SPP Off Bot:	3,631 - 3,700		
Sliding WOB:	28.25	Avg Diff:	388.00		
On Bot Torque:	8,000	Motor RPM:	141.12		
Off Bot Torque:	5,000	Rotary RPM:	0 - 20		

Bit Record

Description:	PDC	Jets:	15,15,15,14,14,14	IADC#	M111
Run #	6	Bit Drop:	814 PSI @ 500 GPM	TFA:	.969
Type Bit:	PDC	Condition:	1,1,CT,G,X,I,NO,DMF		

Mud Data

Type:	Water Base							WT:	10.50	Vis:	35	WL:	87.00	PV:	6	Flow T:	110.00
Sand:	0.50	Chlor:	300	Gas:		Sol:	10.00	Oil %:	0.00	YP:	14	PH:	8.5	BH Temp:	155		
Formation:																	
Expanded Reason to Pull:																	
BHA Performance and Comments:																	
MWD performed to specs. Motor failed. POOH for Motor and land curve																	



Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

Mud Motor / Rotary Steerable Report for BHA # 7 on Run # 7

Time and Depths		Motor		RSS											
Date In:	02-Oct-2014 @ 22:50	Desc:	Hunting Motor	Desc:											
Date Out:	03-Oct-2014 @ 12:30	MFG:	Hunting	Service Name:											
Hours In Hole:	14	BHA Circ/All BHA:	3.41666666666667 / 127.406	BHA Circ/All BHA:											
Start Depth:	7307	Motor SN:	2044	Rotary SN:											
End Depth:	7335	Pad OD:		RS Pad OD:											
Total Drilled:	45	NB Stab:		RS Stab OD:											
Avg. Total ROP:	41.54	Bit to Bend Dist:	6.20	Bias Unit Type:											
Total Circu. Hours:	3.41666666666667	Bent Hsg / Sub:	2.38 / 2.38	RT Com M Method:											
Percent Slide:	95.56%	Lobe / Stage:	7:8 / 5	Control Collar Stab:											
Percent Slide Hours:	92.31%	Output:	0.290	CC Stab Size:											
Slide Hours:	1.00	Rotor Jet:		Prop BUR:											
Total Sliding:	43	Prop Yield:	13.53	Act BUR:											
Avg. Slide ROP:	43	Act Yield:		Strike Ring Size:											
Percent Rotary:	4.44%	Stator Clearance:		Bit Period:											
Percent Rotary Hours:	7.38%	Number of Stalls:		Bit to Ref Point:											
Rot / Total Hours:	0.08	Stall Pressure:		% Drop Flow:											
Rotary Drilled:	2														
Avg. Rotary ROP:	24														
Reason POOH:	Section Total Depth														
Drilling Parameters															
SO / PU:	95 / 125	SPP On Bot:	3,900 - 3,900	Flow Rate:	500 - 500										
Rotating WOB:	40.00	SPP Off Bot:	3,600 - 3,600												
Sliding WOB:	40.00	Avg Diff:	300.00												
On Bot Torque:	0	Motor RPM:	145												
Off Bot Torque:	1,500	Rotary RPM:	0 - 20												
Bit Record															
Description:	PDC	Jets:	15,15,15,14,14,14	IADC#	M111										
Run #	7	Bit Drop:	806 PSI @ 500 GPM	TFA:	.969										
Type Bit:	PDC	Condition:	1,1,CT,S,X,I,WT,TD												
Mud Data															
Type:	Fresh Water	WT:	10.40	Vis:	33	WL:	88.00	PV:	8	Flow T:					
Sand:	0.50	Chlor:	400	Gas:		Sol:	9.00	Oil %:	2.00	YP:	8	PH:	8.5	BH Temp:	152
Formation:															
Expanded Reason to Pull:															
BHA Performance and Comments:															



Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

Good HDS-1/GR Run PW=0.6

TCM 0872

Recorder File TVOA3C31.rec

Range Time Number

0 - 20 cps 66.99 hr 959 pts

21 - 50 cps 8.26 hr 146 pts

51 - 100 cps 4.71 hr 79 pts

101 - 200 cps 2.27 hr 42 pts

201 - 300 cps 0.29 hr 5 pts

> 300 cps 0.00 hr 0 pts

GAM 8487

Recorder File GdOA3C3H.rec

Range Vib XY Vib Z Temp Temp Range

0 - 3 G 80.3 hr 85.5 hr 86.9 hr < 100 C

3 - 5 G 6.0 hr 1.2 hr 100 - 115 C

5 - 8 G 0.6 hr 0.1 hr 115 - 130 C

8 - 11 G 0.0 hr 0.0 hr 130 - 145 C

11 - 15 G 0.0 hr 145 - 160 C

15 - 20 G 160 - 175 C

> 20 G > 175 C

Min 0.0 G 0.0 G 12.0 C/53.6 F

Max 11.2 G 10.4 G 77.0 C/170.6 F



Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

Mud Motor / Rotary Steerable Report for BHA # 8 on Run # 8

Time and Depths		Motor		RSS	
Date In:	04-Oct-2014 @ 05:25	Desc:	R500 Motor	Desc:	
Date Out:	08-Oct-2014 @ 04:00	MFG:	Other	Service Name:	
Hours In Hole:	95	BHA Circ/All BHA:	57.99 / 127.406666666667	BHA Circ/All BHA:	
Start Depth:	7335	Motor SN:	PTS35985	Rotary SN:	
End Depth:	14640	Pad OD:		RS Pad OD:	
Total Drilled:	7,305	NB Stab:		RS Stab OD:	
Avg. Total ROP:	173.6	Bit to Bend Dist:	5.18	Bias Unit Type:	
Total Circu. Hours:	57.99	Bent Hsg / Sub:	1.50 / 1.50	RT Com M Method:	
Percent Slide:	8.15%	Lobe / Stage:	6:7 / 8	Control Collar Stab:	
Percent Slide Hours:	28.66%	Output:	0.860	CC Stab Size:	
Slide Hours:	12.06	Rotor Jet:		Prop BUR:	
Total Sliding:	595	Prop Yield:		Act BUR:	
Avg. Slide ROP:	49.34	Act Yield:		Strike Ring Size:	
Percent Rotary:	91.85%	Stator Clearance:		Bit Period:	
Percent Rotary Hours:	71.32%	Number of Stalls:		Bit to Ref Point:	
Rot / Total Hours:	30.01	Stall Pressure:		% Drop Flow:	
Rotary Drilled:	6,710				
Avg. Rotary ROP:	223.59				
Reason POOH:	Well Total Depth				

Drilling Parameters

SO / PU:	/	SPP On Bot:	4,244 - 4,244	Flow Rate:	300 - 300
Rotating WOB:	12.00	SPP Off Bot:	3,473 - 3,473		
Sliding WOB:	35.50	Avg Diff:	771.00		
On Bot Torque:	18	Motor RPM:	258		
Off Bot Torque:	0	Rotary RPM:	61 - 61		

Bit Record

Description:	PDC	Jets:	14,14,14,14,14	IADC#	M111
Run #	8	Bit Drop:	120 PSI @ 300 GPM	TFA:	.752
Type Bit:	PDC	Condition:	1,1,CT,G,X,I,WT,TD		

Mud Data

Type:	Water Base							WT:	9.10	Vis:	36	WL:	92.00	PV:	7	Flow T:	
Sand:	0.50	Chlor:	200	Gas:		Sol:	5.00	Oil %:		YP:	8	PH:	10.0	BH Temp:	227		
Formation:																	
Expanded Reason to Pull:																	
BHA Performance and Comments:																	



Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2

Good MWD run. PW=.8

Company EXTRACTION OIL & GAS LLC
Well NELSON FARM #3
GAM 8487
Recorder File GdOA83jv.rec
Range Vib XY Vib Z Temp Temp Range
0 - 3 G 48.0 hr 76.5 hr 46.7 hr < 100 C
3 - 5 G 32.3 hr 19.5 hr 49.4 hr 100 - 115 C
5 - 8 G 15.3 hr 0.0 hr 115 - 130 C
8 - 11 G 0.4 hr 130 - 145 C
11 - 15 G 145 - 160 C
15 - 20 G 160 - 175 C
> 20 G > 175 C
Min 0.0 G 0.0 G 2.0 C/35.6 F
Max 10.3 G 5.2 G 112.0 C/233.6 F

Company EXTRACTION OIL & GAS LLC
Well NELSON FARM #3
TCM 0872
Recorder File TVOA83ja.rec
Range Time Number
0 - 20 cps 23.39 hr 193 pts
21 - 50 cps 6.22 hr 123 pts
51 - 100 cps 11.78 hr 307 pts
101 - 200 cps 14.38 hr 422 pts
201 - 300 cps 4.22 hr 124 pts
> 300 cps 0.07 hr 2 pts



Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2: lbm/bbl • PRE_2: lbf/100ft2 • VIS_1: s/qt • VIS_2: cP • SMAS: I

Motor Information

Desc:	MOTOR ASSY 775 - G2 - ADJUSTABLE		
Bent Hsg/Sub:	1.50	Bit to Bend:	
Pad OD:		NB Stab:	9.00

Steering Sheet / DD Journal Report for BHA # on Run # 1 for Job # 14CAS0370																Note: Surveys listed are interpolated from the actual surveys						
#	Date	Drill Mode	Start Time	End Time	Hours	Start MD	End MD	Depth Drilled	WOB	ROP	Surf. RPM	Surf. Torque	Flow Rate	SPP On Bottom	TFO	Steer Ratio	Pad Press.	INC	AZM	DLS	Note	
1	27-Sep	Rotating	06:15	07:20	01:05	0	185	185	20	170.77	50	2500	750	3500								
1	27-Sep	Rotating	08:20	08:50	00:30	185	370	185	20	370.00	50	2500	750	3500				0.530	203.950			
1	27-Sep	Rotating	09:00	09:40	00:40	370	555	185	20	277.50	50	2500	750	3500				0.790	203.340			
1	27-Sep	Sliding	09:45	09:50	00:05	555	580	25	20	300.00	50	2500	750	3500				0.620	254.820		25' @ 330M	
1	27-Sep	Rotating	09:50	10:10	00:20	580	743	163	20	489.00	50	2500	750	3500				0.620	254.820			
1	27-Sep	Rotating	10:15	10:25	00:10	743	790	47	20	282.00	50	2500	750	3500				1.320	297.900		Surface TD	
						Total Drilled:			790	Avg. On Bottom ROP:			278.82				DEPTH% - TIME%					
						Total Rotary Drilled:			765	Avg. Rotary ROP:			278.18	Percent Rotary:			96.84% - 97.06%					
						Total Drilled Sliding:			25	Avg. Slide ROP:			300	Percent Slide:			3.16% - 2.94%					



Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2: lbm/bbl • PRE_2: lbf/100ft2 • VIS_1: s/qt • VIS_2: cP • SMAS: I

Motor Information

Desc:	MOTOR ASSY 650 - TDI - ADJUSTABLE		
Bent Hsg/Sub:	1.95	Bit to Bend:	3.75
Pad OD:	6.75	NB Stab:	0.00

Steering Sheet / DD Journal Report for BHA # 2 on Run # 2 for Job # 14CAS0370															Note: Surveys listed are interpolated from the actual surveys						
#	Date	Drill Mode	Start Time	End Time	Hours	Start MD	End MD	Depth Drilled	WOB	ROP	Surf. RPM	Surf. Torque	Flow Rate	SPP On Bottom	TFO	Steer Ratio	Pad Press.	INC	AZM	DLS	Note
2	28-Sep	Rotating	14:45	15:00	00:15	790	847	57	20	228.00	60	9000	584	2950							
2	28-Sep	Sliding	15:05	15:15	00:10	847	867	20	20	120.00	60	9000	584	2950				1.140	290.700		20' @ 310M
2	28-Sep	Rotating	15:15	15:30	00:15	867	942	75	20	300.00	60	9000	584	2950				1.140	290.700		
2	28-Sep	Sliding	15:35	15:40	00:05	942	954	12	20	144.00	60	9000	584	2950				5.540	310.830		12' @ 290M
2	28-Sep	Rotating	15:40	15:55	00:15	954	1037	83	20	332.00	60	9000	584	2950				5.540	310.830		
2	28-Sep	Rotating	16:00	16:35	00:35	1037	1318	281	20	481.71	60	9000	584	2950				8.620	306.610		
2	28-Sep	Rotating	16:40	16:45	00:05	1318	1340	22	20	264.00	60	9000	584	2950				8.350	314.250		
2	28-Sep	Sliding	16:45	16:50	00:05	1340	1350	10	20	120.00	60	9000	584	2950				8.350	314.250		10' @ 230M
2	28-Sep	Rotating	16:50	17:25	00:35	1350	1599	249	20	426.86	60	9000	584	2950				8.350	314.250		
2	28-Sep	Sliding	17:30	17:35	00:05	1599	1609	10	20	120.00	60	9000	584	2950				8.440	296.850		10' @ 120M
2	28-Sep	Rotating	17:35	18:20	00:45	1609	1877	268	20	357.33	60	9000	584	2950				8.440	296.850		
2	28-Sep	Sliding	18:30	18:35	00:05	1877	1887	10	20	120.00	60	9000	584	2950				8.440	296.850		10' @ 110M
2	28-Sep	Rotating	18:35	18:35	00:00	1887	2153	266	20	.00	60	9000	584	2950				8.440	296.850		
2	28-Sep	Sliding	18:35	19:05	00:30	2153	2173	20	20	40.00	60	9000	584	2950				8.440	296.850		20' @ 360M
2	28-Sep	Rotating	19:05	19:55	00:50	2173	2430	257	20	308.40	60	9000	584	2950				8.440	296.850		
2	28-Sep	Sliding	20:05	20:20	00:15	2430	2450	20	20	80.00	60	9000	584	2950				8.440	296.850		20' @ 30M
2	28-Sep	Rotating	20:20	21:10	00:50	2450	2706	256	20	307.20	60	9000	584	2950				8.440	296.850		



Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2: lbm/bbl • PRE_2: lb/100ft2 • VIS_1: s/qt • VIS_2: cP • SMAS: I

2	28-Sep	Rotating	21:20	22:40	01:20	2706	3245	539	20	404.25	60	9000	584	2950				8.440	296.850		
2	28-Sep	Rotating	22:50	23:10	00:20	3245	3501	256	20	768.00	60	9000	584	2950				8.440	296.850		
2	28-Sep	Rotating	23:20	23:50	00:30	3501	3757	256	20	512.00	60	9000	584	2950				8.440	296.850		
2	29-Sep	Rotating	00:00	00:45	00:45	3757	4016	259	20	345.33	60	9000	584	2950				8.440	296.850		
2	29-Sep	Rotating	00:55	01:40	00:45	4016	4283	267	20	356.00	60	9000	584	2950				8.440	296.850		
2	29-Sep	Rotating	01:50	02:30	00:40	4283	4586	303	20	454.50	60	9000	584	2950				8.440	296.850		
2	29-Sep	Rotating	02:40	03:30	00:50	4586	4806	220	20	264.00	60	9000	584	2950				8.440	296.850		
2	29-Sep	Rotating	03:40	05:00	01:20	4806	5062	256	20	192.00	60	9000	584	2950				8.440	296.850		
2	29-Sep	Rotating	05:10	06:45	01:35	5062	5327	265	20	167.37	60	9000	584	2950				4.040	303.360		
2	29-Sep	Sliding	06:50	07:30	00:40	5327	5339	12	20	18.00	60	9000	584	2950				2.990	303.710		12' @ 290M
2	29-Sep	Rotating	07:30	09:10	01:40	5339	5594	255	20	153.00	60	9000	584	2950				2.990	303.710		
2	29-Sep	Rotating	09:20	09:45	00:25	5594	5679	85	20	204.00	60	9000	584	2950				3.610	302.830		
2	29-Sep	Sliding	09:45	10:20	00:35	5679	5691	12	20	20.57	60	9000	584	2950				3.610	302.830		
2	29-Sep	Rotating	10:20	11:20	01:00	5691	5850	159	20	159.00	75	13000	450	3350				3.610	302.830		
2	29-Sep	Sliding	11:30	11:50	00:20	5850	5856	6	20	18.00	75	13000	450	3350				3.690	279.980		6' @ 20M
2	29-Sep	Rotating	11:50	13:50	02:00	5856	6105	249	20	124.50	75	13000	450	3350				3.690	279.980		
2	29-Sep	Rotating	14:00	15:40	01:40	6105	6361	256	20	153.60	75	13000	450	3350				3.340	293.510		
2	29-Sep	Rotating	15:50	16:20	00:30	6361	6405	44	20	88.00	75	13000	450	3350				3.340	293.510		

Total Drilled:	5615	Avg. On Bottom ROP:	248.63	DEPTH% - TIME%
Total Rotary Drilled:	5483	Avg. Rotary ROP:	277.62	Percent Rotary: 97.65% - 87.45%
Total Drilled Sliding:	132	Avg. Slide ROP:	46.59	Percent Slide: 2.35% - 12.55%



Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2: lbm/bbl • PRE_2: lbf/100ft2 • VIS_1: s/qt • VIS_2: cP • SMAS: I

Motor Information

Desc:	MOTOR ASSY 700 - DynaForce Flex		
Bent Hsg/Sub:	2.25	Bit to Bend:	4.82
Pad OD:	6.75	NB Stab:	0.00

Steering Sheet / DD Journal Report for BHA # 3 on Run # 3 for Job # 14CAS0370

Note: Surveys listed are interpolated from the actual surveys

#	Date	Drill Mode	Start Time	End Time	Hours	Start MD	End MD	Depth Drilled	WOB	ROP	Surf. RPM	Surf. Torque	Flow Rate	SPP On Bottom	TFO	Steer Ratio	Pad Press.	INC	AZM	DLS	Note
3	30-Sep	Sliding	02:00	04:35	02:35	6405	6478	73	12	28.26		4	460	3100	80M			12.216	297.910	-0.189	
3	30-Sep	Sliding	04:45	06:50	02:05	6478	6563	85	12	40.80		4	460	3100	80M			12.376	297.910	-0.189	85' @ 75M
3	30-Sep	Sliding	07:40	10:30	02:50	6563	6648	85	12	30.00		4	460	3100	80M			12.536	297.910	-0.189	85' @ 45R
3	30-Sep	Sliding	10:40	12:10	01:30	6648	6670	22	12	14.67		4	460	3100	80M			12.578	297.910	-0.189	22' @ 45R

Total Drilled:	265	Avg. On Bottom ROP:	29.44	DEPTH% - TIME%
Total Rotary Drilled:	0	Avg. Rotary ROP:		Percent Rotary: 0% - 0%
Total Drilled Sliding:	265	Avg. Slide ROP:	29.44	Percent Slide: 100% - 100%



Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2: lbm/bbl • PRE_2: lbf/100ft2 • VIS_1: s/qt • VIS_2: cP • SMAS: I

Motor Information

Desc:	R675 Motor		
Bent Hsg/Sub:	2.38	Bit to Bend:	4.82
Pad OD:	6.75	NB Stab:	

Steering Sheet / DD Journal Report for BHA # 4 on Run # 4 for Job # 14CAS0370																	Note: Surveys listed are interpolated from the actual surveys					
#	Date	Drill Mode	Start Time	End Time	Hours	Start MD	End MD	Depth Drilled	WOB	ROP	Surf. RPM	Surf. Torque	Flow Rate	SPP On Bottom	TFO	Steer Ratio	Pad Press.	INC	AZM	DLS	Note	
4	30-Sep	Sliding	21:20	23:10	01:50	6670	6741	71	10	38.73		4	550	3500								
4	30-Sep	Sliding	23:20	00:00	00:40	6741	6760	19	10	28.50		4	550	3500				14.330	71.940			
4	01-Oct	Sliding	00:00	03:00	03:00	6760	6783	23	10	7.67		4	550	3500				14.330	71.940			
						Total Drilled:			113		Avg. On Bottom ROP:			20.55				DEPTH% - TIME%				
						Total Rotary Drilled:			0		Avg. Rotary ROP:					Percent Rotary:		0% - 0%				
						Total Drilled Sliding:			113		Avg. Slide ROP:			20.55		Percent Slide:		100% - 100%				



Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2: lbm/bbl • PRE_2: lbf/100ft2 • VIS_1: s/qt • VIS_2: cP • SMAS: I

Motor Information

Desc:	R675 Motor		
Bent Hsg/Sub:	2.50	Bit to Bend:	3.86
Pad OD:	6.75	NB Stab:	

Steering Sheet / DD Journal Report for BHA # 5 on Run # 5 for Job # 14CAS0370

Note: Surveys listed are interpolated from the actual surveys

#	Date	Drill Mode	Start Time	End Time	Hours	Start MD	End MD	Depth Drilled	WOB	ROP	Surf. RPM	Surf. Torque	Flow Rate	SPP On Bottom	TFO	Steer Ratio	Pad Press.	INC	AZM	DLS	Note
5	01-Oct	Sliding	15:45	16:50	01:05	6796	6820	24	35	22.15	0	8500	500	3700	0						24' @ HS
5	01-Oct	Sliding	17:00	18:35	01:35	6820	6905	85	35	53.68	0	8500	500	3700	0			16.270	83.720		85' @ HS
5	01-Oct	Sliding	18:45	21:10	02:25	6905	6990	85	35	35.17	0	8500	500	3700	0			27.080	90.840		85' @ HS
5	01-Oct	Rotating	21:15	21:45	00:30	6990	7015	25	35	50.00	20	8500	500	3700	0			42.870	90.840		
5	01-Oct	Sliding	21:45	22:40	00:55	7015	7033	18	35	19.64	0	8500	500	3700	0			42.870	90.840		18' @ HS
5	01-Oct	Rotating	22:45	23:30	00:45	7033	7063	30	35	40.00	20	9850	500	3700	0			51.530	89.960		
5	01-Oct	Sliding	23:30	00:00	00:30	7063	7076	13	35	26.00	0	9850	500	3700	0			51.530	89.960		13' @ HS
5	02-Oct	Sliding	00:05	02:15	02:10	7076	7118	42	35	19.38	0	9850	500	3700	0			53.290	88.550		42' @ HS
5	02-Oct	Sliding	02:25	03:30	01:05	7118	7143	25	35	23.08	0	9850	500	3700	0			55.130	88.900		25' @ HS
5	02-Oct	Rotating	03:30	04:40	01:10	7143	7161	18	35	15.43	20	17800	500	3700	0			55.130	88.900		

Total Drilled:	365	Avg. On Bottom ROP:	30	DEPTH% - TIME%
Total Rotary Drilled:	73	Avg. Rotary ROP:	30.21	Percent Rotary: 20% - 19.86%
Total Drilled Sliding:	292	Avg. Slide ROP:	29.95	Percent Slide: 80% - 80.14%



Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2: lbm/bbl • PRE_2: lbf/100ft2 • VIS_1: s/qt • VIS_2: cP • SMAS: I

Motor Information

Desc:	R675 Motor		
Bent Hsg/Sub:	2.50	Bit to Bend:	3.86
Pad OD:	6.75	NB Stab:	

Steering Sheet / DD Journal Report for BHA # 6 on Run # 6 for Job # 14CAS0370

Note: Surveys listed are interpolated from the actual surveys

#	Date	Drill Mode	Start Time	End Time	Hours	Start MD	End MD	Depth Drilled	WOB	ROP	Surf. RPM	Surf. Torque	Flow Rate	SPP On Bottom	TFO	Steer Ratio	Pad Press.	INC	AZM	DLS	Note
6	02-Oct	Sliding	12:30	14:10	01:40	7161	7203	42	25	25.20	0	8000	500	4100	0						
6	02-Oct	Rotating	14:15	14:25	00:10	7203	7208	5	25	30.00	0	8000	500	4100	0			66.210	90.480		
6	02-Oct	Sliding	14:25	15:20	00:55	7208	7246	38	25	41.45	0	8000	500	4100	0			66.210	90.480		
6	02-Oct	Rotating	16:10	16:50	00:40	7246	7275	29	25	43.50	0	8000	500	4100	0			72.020	89.690		
6	02-Oct	Sliding	16:55	17:20	00:25	7275	7290	15	25	36.00	0	8000	500	4100	0			72.020	89.690		15' @ HS

Total Drilled:	129	Avg. On Bottom ROP:	33.65	DEPTH% - TIME%
Total Rotary Drilled:	34	Avg. Rotary ROP:	40.8	Percent Rotary: 26.36% - 21.74%
Total Drilled Sliding:	95	Avg. Slide ROP:	31.67	Percent Slide: 73.64% - 78.26%



Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2: lbm/bbl • PRE_2: lbf/100ft2 • VIS_1: s/qt • VIS_2: cP • SMAS: I

Motor Information

Desc:	Hunting Motor		
Bent Hsg/Sub:	2.38	Bit to Bend:	6.20
Pad OD:	6.75	NB Stab:	

Steering Sheet / DD Journal Report for BHA # 7 on Run # 7 for Job # 14CAS0370

Note: Surveys listed are interpolated from the actual surveys

#	Date	Drill Mode	Start Time	End Time	Hours	Start MD	End MD	Depth Drilled	WOB	ROP	Surf. RPM	Surf. Torque	Flow Rate	SPP On Bottom	TFO	Steer Ratio	Pad Press.	INC	AZM	DLS	Note
7	03-Oct	Sliding	02:35	03:35	01:00	7290	7333	43	40	43.00	0	0	500	3900	0						
7	03-Oct	Rotating	04:05	04:10	00:05	7333	7335	2	40	24.00	20	8000	500	3900	0						

Total Drilled:	45	Avg. On Bottom ROP:	41.54	DEPTH% - TIME%
Total Rotary Drilled:	2	Avg. Rotary ROP:	24	Percent Rotary: 4.44% - 7.69%
Total Drilled Sliding:	43	Avg. Slide ROP:	43	Percent Slide: 95.56% - 92.31%



Job Number: 14CAS0370
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #03
Well Location: Lat: 40.550455, Long: -104.906391
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD:
Co. Man: Brandon

UOM: DEN: lbm/galUS • DEP: ft • DIA: in • FLO: galUS/min • INC: deg • MAS: klbm • PRE: psi • TEM: degF • TOR: ft.lbf • VOL: galUS • DLS: deg/100ft • CON: ppm • CON_2: lbm/bbl • PRE_2: lbf/100ft2 • VIS_1: s/qt • VIS_2: cP • SMAS: I

Motor Information

Desc:	R500 Motor		
Bent Hsg/Sub:	1.50	Bit to Bend:	5.18
Pad OD:	5	NB Stab:	

Steering Sheet / DD Journal Report for BHA # 8 on Run # 8 for Job # 14CAS0370

Note: Surveys listed are interpolated from the actual surveys

#	Date	Drill Mode	Start Time	End Time	Hours	Start MD	End MD	Depth Drilled	WOB	ROP	Surf. RPM	Surf. Torque	Flow Rate	SPP On Bottom	TFO	Steer Ratio	Pad Press.	INC	AZM	DLS	Note
						Total Drilled:		7305	Avg. On Bottom ROP:		173.6	DEPTH% - TIME%									
						Total Rotary Drilled:		6710	Avg. Rotary ROP:		223.59	Percent Rotary:		91.85% - 71.32%							
						Total Drilled Sliding:		595	Avg. Slide ROP:		49.34	Percent Slide:		8.15% - 28.66%							