

PATHFINDER

A Schlumberger Company

A WORLD OF TECHNOLOGY

End-of-Well *Report*



Extraction Oil & Gas **Nelson Farm #6** *Weld County, CO* *Xtreme 7*

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 #06
 Borehole: Original Hole
 Rig: Xtreme 7
 Plan: Original Hole

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ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	VSec	Departure	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Tie Into Surface
142.99	143.00	1.06	248.58	-0.48	-1.23	-1.21	1.32	First Pathfinder MWD
7070.85	14510.00	88.81	90.11	-309.49	7309.24	7315.77	8182.39	Final Pathfinder MWD
7072.20	14575.00	88.81	90.11	-309.61	7374.23	7380.71	8247.38	Projection to Bit

SHL: 844' FNL & 409' FWL
 (Sec.28-T07N-R67W)
 ABHL+/-: 1167' FNL & 2506' FWL
 (Sec.27-T07N-R67W)

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

Nelson Farm #06 Original Hole

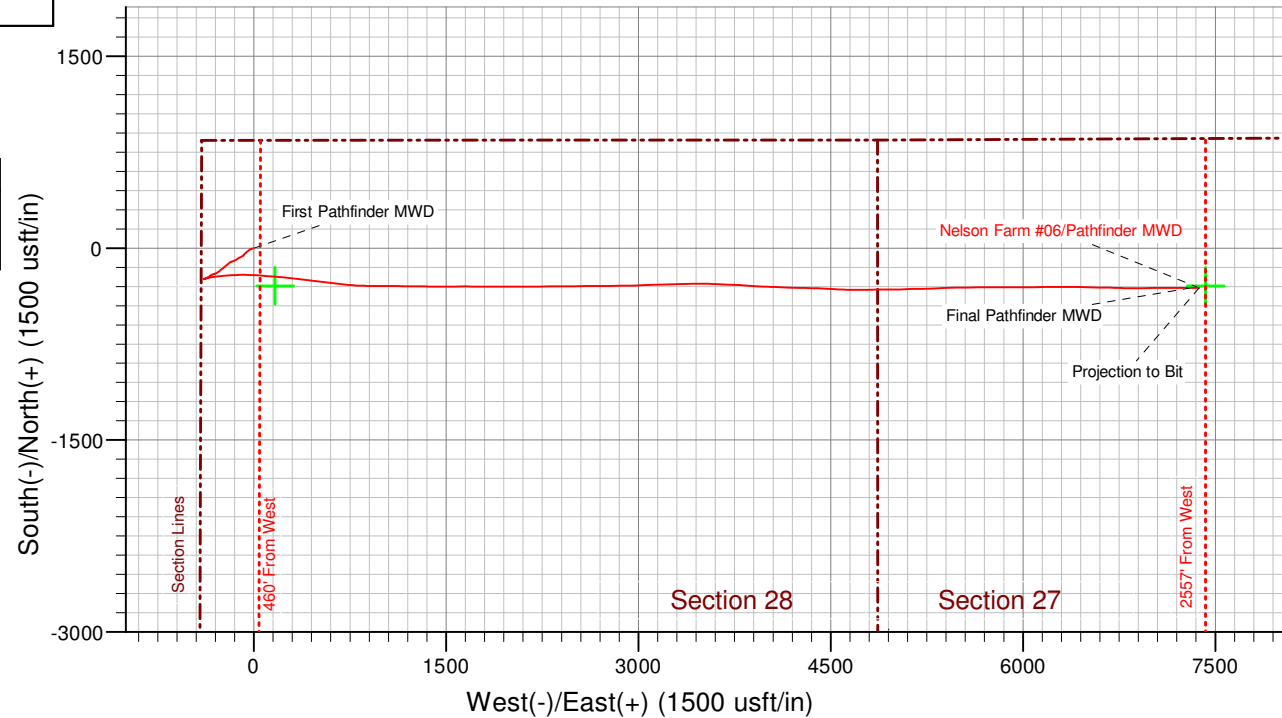
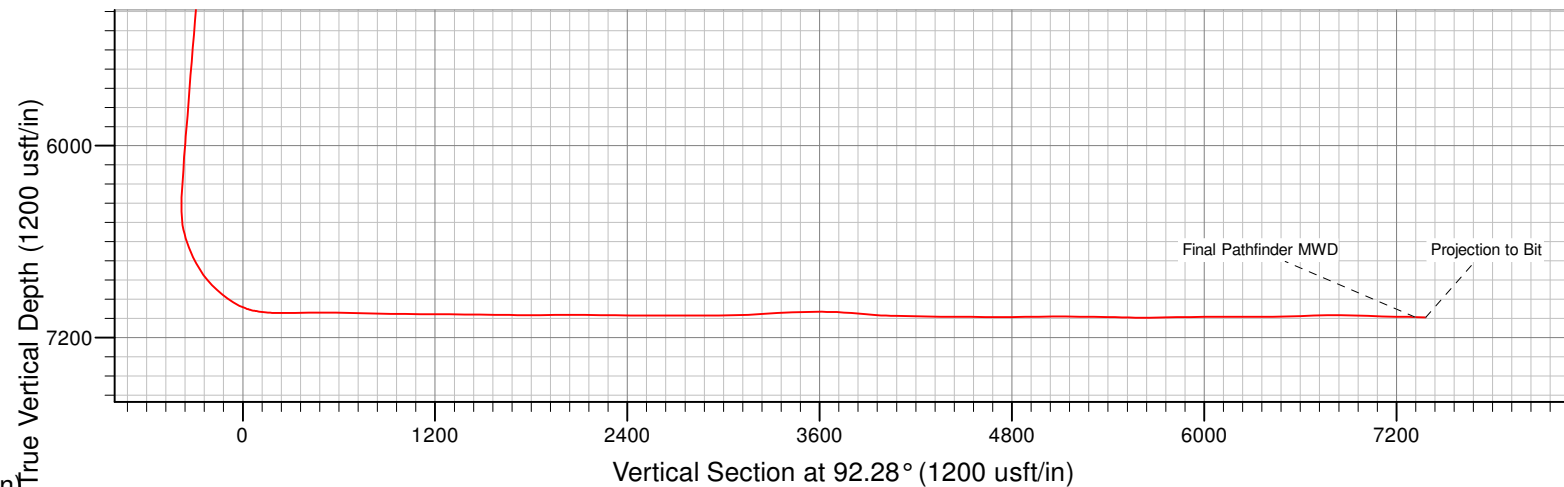
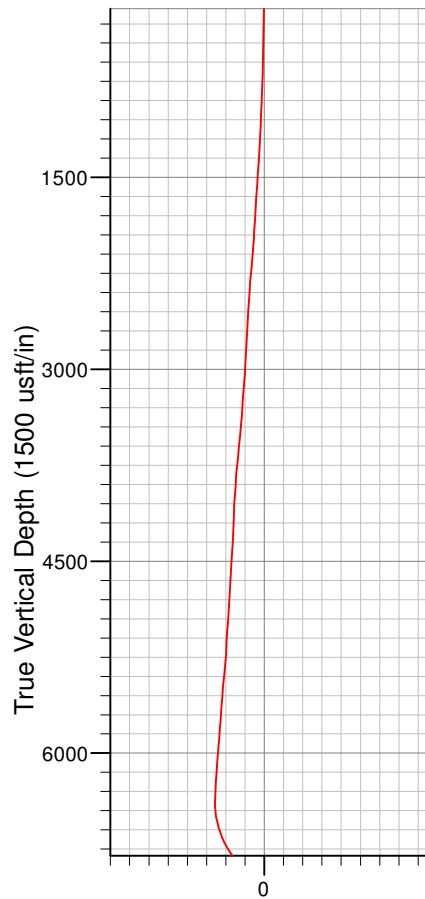
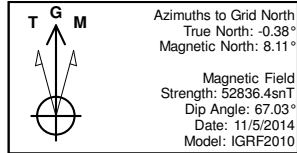
Created By: J Rieke Date: 10:32, December 11 2014

WELL DETAILS: Nelson Farm #06

+N/-S	+E/-W	GL 4969.00 Northing	KB @ 4985.00usft (Xtreme 7 - 16') Easting	Latitude	Longitude
0.00	0.00	1443839.61	3164957.56	40° 33' 0.806 N	104° 54' 23.022 W

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
LP #6	7050.00	-295.27	165.00	Point
PBHL Nelson Farm #6	7050.00	-295.27	7424.50	Point





Extraction Oil & Gas

**Weld Co., Co
Sec.28-T07N-R67W
Nelson Farm #06**

Original Hole

Survey: Pathfinder MWD

Standard Survey Report

11 December, 2014



Company:	Extraction Oil & Gas	Local Co-ordinate Reference:	Well Nelson Farm #06
Project:	Weld Co., Co	TVD Reference:	KB @ 4985.00usft (Xtreme 7 - 16')
Site:	Sec.28-T07N-R67W	MD Reference:	KB @ 4985.00usft (Xtreme 7 - 16')
Well:	Nelson Farm #06	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 #06		
Well Position	+N/-S	0.00 usft	Northing: 1,443,839.61 usft
	+E/-W	0.00 usft	Easting: 3,164,957.56 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	4,985.00 usft
		Latitude:	40° 33' 0.806 N
		Longitude:	104° 54' 23.022 W
		Ground Level:	4,969.00 usft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	11/5/2014	8.50	67.03	52,836

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	92.28

Survey Program	Date	12/11/2014		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
143.00	14,575.00	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									
143.00	1.06	248.58	142.99	-0.48	-1.23	-1.21	0.74	0.74	0.00
First Pathfinder MWD									
419.00	1.14	246.29	418.94	-2.52	-6.12	-6.02	0.03	0.03	-0.83
701.00	1.76	259.21	700.85	-4.46	-12.94	-12.76	0.25	0.22	4.58
818.00	2.02	264.22	817.79	-5.00	-16.76	-16.55	0.26	0.22	4.28
910.00	2.02	257.81	909.73	-5.51	-19.96	-19.72	0.25	0.00	-6.97
1,002.00	2.20	258.95	1,001.67	-6.19	-23.28	-23.01	0.20	0.20	1.24
1,094.00	2.73	243.39	1,093.58	-7.51	-26.97	-26.65	0.92	0.58	-16.91



Company:	Extraction Oil & Gas	Local Co-ordinate Reference:	Well Nelson Farm #06
Project:	Weld Co., Co	TVD Reference:	KB @ 4985.00usft (Xtreme 7 - 16')
Site:	Sec.28-T07N-R67W	MD Reference:	KB @ 4985.00usft (Xtreme 7 - 16')
Well:	Nelson Farm #06	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)
1,186.00	3.96	230.47	1,185.43	-10.51	-31.38	-30.94	1.56	1.34	-14.04
1,280.00	5.45	230.47	1,279.11	-15.42	-37.32	-36.68	1.59	1.59	0.00
1,372.00	5.36	234.25	1,370.70	-20.71	-44.18	-43.32	0.40	-0.10	4.11
1,465.00	4.92	230.39	1,463.32	-25.79	-50.78	-49.71	0.60	-0.47	-4.15
1,558.00	4.57	229.33	1,556.00	-30.75	-56.66	-55.40	0.39	-0.38	-1.14
1,653.00	4.40	229.68	1,650.71	-35.57	-62.31	-60.85	0.18	-0.18	0.37
1,746.00	6.24	224.76	1,743.31	-41.47	-68.59	-66.89	2.04	1.98	-5.29
1,841.00	5.36	221.07	1,837.82	-48.48	-75.14	-73.16	1.01	-0.93	-3.88
1,936.00	4.84	219.40	1,932.45	-54.92	-80.60	-78.35	0.57	-0.55	-1.76
2,031.00	5.89	240.93	2,027.04	-60.39	-87.41	-84.94	2.37	1.11	22.66
2,126.00	5.54	238.21	2,121.57	-65.17	-95.56	-92.90	0.47	-0.37	-2.86
2,218.00	5.89	232.41	2,213.11	-70.39	-103.08	-100.20	0.73	0.38	-6.30
2,312.00	5.19	268.62	2,306.70	-73.44	-111.15	-108.15	3.73	-0.74	38.52
2,405.00	4.84	235.40	2,399.36	-75.77	-118.59	-115.49	3.10	-0.38	-35.72
2,685.00	3.34	230.39	2,678.64	-87.68	-134.60	-131.01	0.55	-0.54	-1.79
2,961.00	3.78	251.57	2,954.12	-95.68	-149.42	-145.50	0.50	0.16	7.67
3,053.00	5.45	245.24	3,045.82	-98.47	-156.27	-152.23	1.90	1.82	-6.88
3,238.00	3.34	262.20	3,230.27	-102.88	-169.59	-165.37	1.33	-1.14	9.17
3,421.00	6.24	237.59	3,412.63	-108.94	-183.27	-178.80	1.91	1.58	-13.45
3,699.00	8.18	228.01	3,688.43	-130.27	-210.73	-205.38	0.82	0.70	-3.45
3,975.00	4.57	229.33	3,962.68	-150.58	-233.67	-227.50	1.31	-1.31	0.48
4,162.00	3.08	240.14	4,149.26	-157.93	-243.68	-237.21	0.88	-0.80	5.78
4,348.00	3.87	228.54	4,334.92	-164.58	-252.72	-245.98	0.57	0.42	-6.24
4,536.00	4.40	227.05	4,522.43	-173.69	-262.75	-255.64	0.29	0.28	-0.79
4,722.00	4.04	237.86	4,707.92	-182.04	-273.52	-266.07	0.47	-0.19	5.81
4,894.00	4.57	237.77	4,879.44	-188.92	-284.45	-276.71	0.31	0.31	-0.05
4,980.00	5.01	237.42	4,965.14	-192.76	-290.51	-282.62	0.51	0.51	-0.41
5,150.00	3.61	244.62	5,134.65	-199.06	-301.60	-293.45	0.88	-0.82	4.24
5,235.00	3.87	249.99	5,219.47	-201.18	-306.71	-298.48	0.51	0.31	6.32
5,320.00	4.84	260.97	5,304.23	-202.73	-312.95	-304.65	1.50	1.14	12.92
5,405.00	5.28	249.90	5,388.90	-204.64	-320.16	-311.78	1.26	0.52	-13.02
5,491.00	6.16	244.89	5,474.47	-207.95	-328.06	-319.54	1.18	1.02	-5.83
5,576.00	5.01	247.52	5,559.07	-211.31	-335.62	-326.96	1.39	-1.35	3.09
5,661.00	5.54	235.57	5,643.71	-215.05	-342.43	-333.61	1.43	0.62	-14.06
5,746.00	4.66	233.81	5,728.37	-219.41	-348.60	-339.61	1.05	-1.04	-2.07
5,831.00	5.19	236.27	5,813.06	-223.58	-354.59	-345.42	0.67	0.62	2.89
5,917.00	6.24	237.68	5,898.63	-228.24	-361.77	-352.42	1.23	1.22	1.64
6,002.00	4.84	245.06	5,983.23	-232.22	-368.93	-359.41	1.84	-1.65	8.68
6,087.00	4.84	239.70	6,067.93	-235.54	-375.27	-365.62	0.53	0.00	-6.31
6,173.00	4.22	243.83	6,153.66	-238.77	-381.25	-371.46	0.81	-0.72	4.80
6,344.00	2.90	268.71	6,324.33	-241.64	-391.22	-381.31	1.17	-0.77	14.55
6,430.00	1.14	56.10	6,410.30	-241.21	-392.68	-382.79	4.55	-2.05	171.38
6,515.00	9.94	71.74	6,494.83	-238.44	-385.00	-375.22	10.41	10.35	18.40



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Well:	Nelson Farm #06	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)
6,545.00	12.93	71.13	6,524.23	-236.54	-379.36	-369.66	9.97	9.97	-2.03
6,575.00	14.51	78.51	6,553.37	-234.70	-372.50	-362.88	7.85	5.27	24.60
6,601.00	16.44	80.36	6,578.43	-233.44	-365.68	-356.12	7.66	7.42	7.12
6,631.00	18.73	80.27	6,607.03	-231.91	-356.75	-347.25	7.63	7.63	-0.30
6,661.00	21.10	80.36	6,635.23	-230.20	-346.68	-337.26	7.90	7.90	0.30
6,686.00	22.77	79.92	6,658.42	-228.60	-337.48	-328.13	6.71	6.68	-1.76
6,729.00	25.94	81.41	6,697.59	-225.73	-319.98	-310.76	7.51	7.37	3.47
6,771.00	29.28	81.24	6,734.80	-222.80	-300.74	-291.65	7.95	7.95	-0.40
6,857.00	35.70	84.40	6,807.31	-217.14	-254.93	-246.10	7.72	7.47	3.67
6,899.00	40.36	85.10	6,840.38	-214.78	-229.17	-220.46	11.14	11.10	1.67
6,942.00	44.05	85.19	6,872.23	-212.34	-200.40	-191.80	8.58	8.58	0.21
6,985.00	48.54	86.86	6,901.93	-210.20	-169.39	-160.91	10.81	10.44	3.88
7,027.00	50.56	87.39	6,929.18	-208.60	-137.48	-129.08	4.90	4.81	1.26
7,070.00	54.26	89.94	6,955.41	-207.82	-103.42	-95.08	9.80	8.60	5.93
7,113.00	57.68	90.90	6,979.47	-208.09	-67.79	-59.47	8.17	7.95	2.23
7,156.00	64.19	92.40	7,000.35	-209.19	-30.25	-21.91	15.44	15.14	3.49
7,198.00	70.17	93.63	7,016.63	-211.23	8.39	16.78	14.49	14.24	2.93
7,241.00	76.77	94.51	7,028.86	-214.16	49.49	57.96	15.47	15.35	2.05
7,284.00	82.39	94.15	7,036.63	-217.35	91.64	100.21	13.10	13.07	-0.84
7,326.00	84.15	94.86	7,041.55	-220.63	133.22	141.89	4.51	4.19	1.69
7,364.73	86.72	95.10	7,044.63	-223.98	171.68	180.45	6.67	6.64	0.62
LP #6									
7,424.00	90.66	95.47	7,045.99	-229.44	230.67	239.61	6.67	6.64	0.62
7,511.00	91.01	96.09	7,044.72	-238.20	317.22	326.43	0.82	0.40	0.71
7,597.00	90.13	96.44	7,043.86	-247.58	402.70	412.22	1.10	-1.02	0.41
7,682.00	90.40	97.23	7,043.47	-257.70	487.10	496.95	0.98	0.32	0.93
7,767.00	89.16	97.23	7,043.80	-268.40	571.42	581.63	1.46	-1.46	0.00
7,853.00	88.72	96.26	7,045.39	-278.50	656.81	667.35	1.24	-0.51	-1.13
7,938.00	88.81	95.74	7,047.22	-287.38	741.32	752.15	0.62	0.11	-0.61
8,023.00	88.81	92.05	7,048.99	-293.15	826.09	837.09	4.34	0.00	-4.34
8,108.00	88.90	89.85	7,050.68	-294.56	911.06	922.04	2.59	0.11	-2.59
8,200.00	88.99	90.46	7,052.38	-294.81	1,003.04	1,013.96	0.67	0.10	0.66
8,292.00	89.78	91.08	7,053.37	-296.04	1,095.03	1,105.93	1.09	0.86	0.67
8,384.00	89.96	90.38	7,053.58	-297.22	1,187.02	1,197.89	0.79	0.20	-0.76
8,476.00	89.69	89.94	7,053.86	-297.47	1,279.02	1,289.83	0.56	-0.29	-0.48
8,570.00	89.69	91.61	7,054.36	-298.75	1,373.00	1,383.79	1.78	0.00	1.78
8,663.00	89.34	89.50	7,055.15	-299.65	1,465.99	1,476.74	2.30	-0.38	-2.27
8,758.00	88.81	89.58	7,056.69	-298.88	1,560.97	1,571.62	0.56	-0.56	0.08
8,851.00	88.64	89.85	7,058.76	-298.42	1,653.95	1,664.50	0.34	-0.18	0.29
8,946.00	89.87	91.17	7,059.99	-299.27	1,748.93	1,759.45	1.90	1.29	1.39
9,041.00	90.48	90.02	7,059.70	-300.25	1,843.93	1,854.40	1.37	0.64	-1.21
9,136.00	90.75	90.20	7,058.68	-300.44	1,938.92	1,949.33	0.34	0.28	0.19
9,230.00	89.78	89.50	7,058.25	-300.19	2,032.92	2,043.24	1.27	-1.03	-0.74
9,323.00	89.87	89.76	7,058.53	-299.59	2,125.92	2,136.14	0.30	0.10	0.28



Company:	Extraction Oil & Gas	Local Co-ordinate Reference:	Well Nelson Farm #06
Project:	Weld Co., Co	TVD Reference:	KB @ 4985.00usft (Xtreme 7 - 16')
Site:	Sec.28-T07N-R67W	MD Reference:	KB @ 4985.00usft (Xtreme 7 - 16')
Well:	Nelson Farm #06	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)	
9,417.00	89.78	89.50	7,058.82	-298.98	2,219.91	2,230.04	0.29	-0.10	-0.28	
9,510.00	89.34	89.41	7,059.53	-298.10	2,312.91	2,322.92	0.48	-0.47	-0.10	
9,603.00	89.87	89.76	7,060.17	-297.42	2,405.90	2,415.82	0.68	0.57	0.38	
9,695.00	90.13	90.02	7,060.17	-297.25	2,497.90	2,507.74	0.40	0.28	0.28	
9,789.00	89.78	89.41	7,060.25	-296.78	2,591.90	2,601.64	0.75	-0.37	-0.65	
9,882.00	89.43	89.32	7,060.89	-295.75	2,684.89	2,694.52	0.39	-0.38	-0.10	
9,974.00	89.69	89.41	7,061.59	-294.73	2,776.88	2,786.40	0.30	0.28	0.10	
10,066.00	89.96	89.32	7,061.87	-293.71	2,868.88	2,878.28	0.31	0.29	-0.10	
10,158.00	90.40	88.53	7,061.59	-291.98	2,960.86	2,970.12	0.98	0.48	-0.86	
10,250.00	91.63	88.00	7,059.96	-289.20	3,052.80	3,061.88	1.46	1.34	-0.58	
10,342.00	92.51	88.00	7,056.63	-285.99	3,144.68	3,153.56	0.96	0.96	0.00	
10,434.00	93.65	87.21	7,051.69	-282.15	3,236.47	3,245.12	1.51	1.24	-0.86	
10,526.00	93.56	89.76	7,045.90	-279.72	3,328.25	3,336.73	2.77	-0.10	2.77	
10,618.00	92.59	89.06	7,040.97	-278.78	3,420.11	3,428.48	1.30	-1.05	-0.76	
10,711.00	90.57	90.02	7,038.40	-278.03	3,513.06	3,521.34	2.40	-2.17	1.03	
10,804.00	89.69	92.75	7,038.19	-280.28	3,606.03	3,614.31	3.08	-0.95	2.94	
10,896.00	87.14	92.57	7,040.74	-284.55	3,697.88	3,706.27	2.78	-2.77	-0.20	
10,988.00	85.74	93.10	7,046.45	-289.09	3,789.59	3,798.09	1.63	-1.52	0.58	
11,080.00	85.12	93.28	7,053.78	-294.19	3,881.16	3,889.78	0.70	-0.67	0.20	
11,173.00	86.61	92.92	7,060.49	-299.21	3,973.78	3,982.53	1.65	1.60	-0.39	
11,266.00	88.99	91.87	7,064.06	-303.09	4,066.62	4,075.45	2.80	2.56	-1.13	
11,358.00	88.90	92.13	7,065.75	-306.30	4,158.55	4,167.43	0.30	-0.10	0.28	
11,453.00	88.90	92.05	7,067.57	-309.76	4,253.47	4,262.41	0.08	0.00	-0.08	
11,548.00	89.08	90.99	7,069.25	-312.28	4,348.42	4,357.39	1.13	0.19	-1.12	
11,641.00	89.16	92.92	7,070.68	-315.46	4,441.35	4,450.37	2.08	0.09	2.08	
11,733.00	90.84	93.36	7,070.68	-320.49	4,533.20	4,542.36	1.89	1.83	0.48	
11,825.00	88.99	91.61	7,070.81	-324.48	4,625.11	4,634.35	2.77	-2.01	-1.90	
11,904.00	89.78	89.67	7,071.66	-325.37	4,704.10	4,713.31	2.65	1.00	-2.46	
11,989.00	90.40	89.15	7,071.53	-324.49	4,789.09	4,798.20	0.95	0.73	-0.61	
12,074.00	90.66	89.32	7,070.74	-323.36	4,874.08	4,883.08	0.37	0.31	0.20	
12,159.00	91.19	89.32	7,069.37	-322.35	4,959.06	4,967.95	0.62	0.62	0.00	
12,244.00	90.48	88.88	7,068.13	-321.01	5,044.04	5,052.81	0.98	-0.84	-0.52	
12,329.00	89.69	88.71	7,068.01	-319.22	5,129.02	5,137.66	0.95	-0.93	-0.20	
12,415.00	89.43	88.35	7,068.67	-317.02	5,214.99	5,223.47	0.52	-0.30	-0.42	
12,503.00	89.08	88.18	7,069.81	-314.35	5,302.94	5,311.25	0.44	-0.40	-0.19	
12,592.00	89.43	88.09	7,070.97	-311.46	5,391.89	5,400.01	0.41	0.39	-0.10	
12,678.00	88.11	88.27	7,072.81	-308.73	5,477.82	5,485.77	1.55	-1.53	0.21	
12,763.00	89.34	88.79	7,074.70	-306.55	5,562.77	5,570.56	1.57	1.45	0.61	
12,850.00	90.66	89.67	7,074.70	-305.38	5,649.76	5,657.43	1.82	1.52	1.01	
12,935.00	90.84	89.94	7,073.59	-305.09	5,734.75	5,742.35	0.38	0.21	0.32	
13,022.00	91.36	90.11	7,071.92	-305.13	5,821.74	5,829.26	0.63	0.60	0.20	
13,107.00	89.96	90.11	7,070.94	-305.29	5,906.73	5,914.20	1.65	-1.65	0.00	
13,196.00	91.80	90.02	7,069.58	-305.39	5,995.72	6,003.12	2.07	2.07	-0.10	



Company:	Extraction Oil & Gas	Local Co-ordinate Reference:	Well Nelson Farm #06
Project:	Weld Co., Co	TVD Reference:	KB @ 4985.00usft (Xtreme 7 - 16')
Site:	Sec.28-T07N-R67W	MD Reference:	KB @ 4985.00usft (Xtreme 7 - 16')
Well:	Nelson Farm #06	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)	
13,282.00	89.34	89.41	7,068.72	-304.96	6,081.70	6,089.02	2.95	-2.86	-0.71	
13,367.00	89.52	89.32	7,069.57	-304.02	6,166.69	6,173.90	0.24	0.21	-0.11	
13,452.00	89.96	89.67	7,069.95	-303.27	6,251.69	6,258.80	0.66	0.52	0.41	
13,537.00	90.22	90.11	7,069.82	-303.11	6,336.69	6,343.73	0.60	0.31	0.52	
13,622.00	90.92	90.99	7,068.97	-303.92	6,421.68	6,428.68	1.32	0.82	1.04	
13,707.00	90.92	90.90	7,067.61	-305.33	6,506.66	6,513.65	0.11	0.00	-0.11	
13,792.00	92.15	90.55	7,065.33	-306.40	6,591.62	6,598.59	1.50	1.45	-0.41	
13,877.00	92.24	91.52	7,062.07	-307.94	6,676.54	6,683.50	1.15	0.11	1.14	
13,962.00	90.57	92.57	7,059.99	-310.97	6,761.46	6,768.47	2.32	-1.96	1.24	
14,047.00	89.43	90.64	7,059.99	-313.35	6,846.42	6,853.46	2.64	-1.34	-2.27	
14,132.00	88.64	87.91	7,061.42	-312.27	6,931.39	6,938.32	3.34	-0.93	-3.21	
14,217.00	88.20	89.85	7,063.77	-310.61	7,016.34	7,023.14	2.34	-0.52	2.28	
14,302.00	88.29	89.76	7,066.37	-310.32	7,101.30	7,108.02	0.15	0.11	-0.11	
14,388.00	88.90	89.58	7,068.48	-309.83	7,187.27	7,193.90	0.74	0.71	-0.21	
14,473.00	88.90	89.94	7,070.11	-309.47	7,272.25	7,278.81	0.42	0.00	0.42	
14,510.00	88.81	90.11	7,070.85	-309.49	7,309.25	7,315.77	0.52	-0.24	0.46	
Final Pathfinder MWD										
14,575.00	88.81	90.11	7,072.20	-309.61	7,374.23	7,380.71	0.00	0.00	0.00	
Projection to Bit - PBHL Nelson Farm #6										

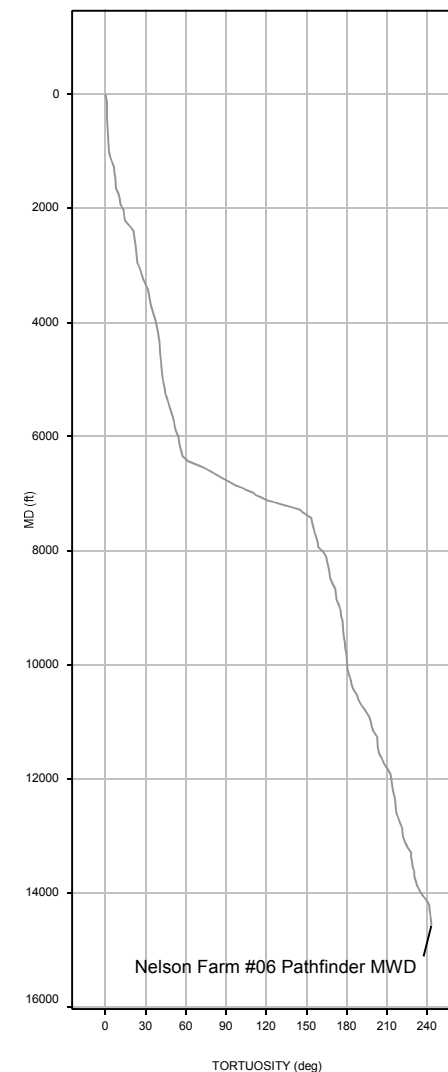
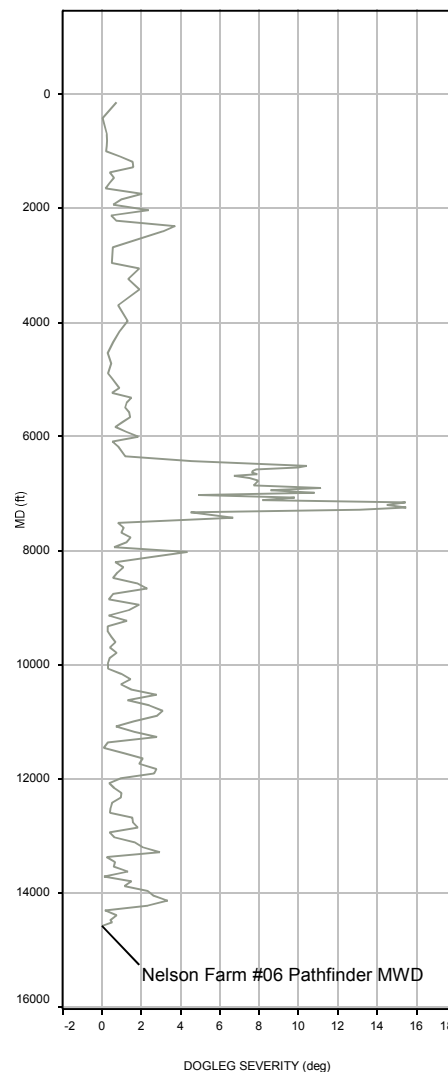
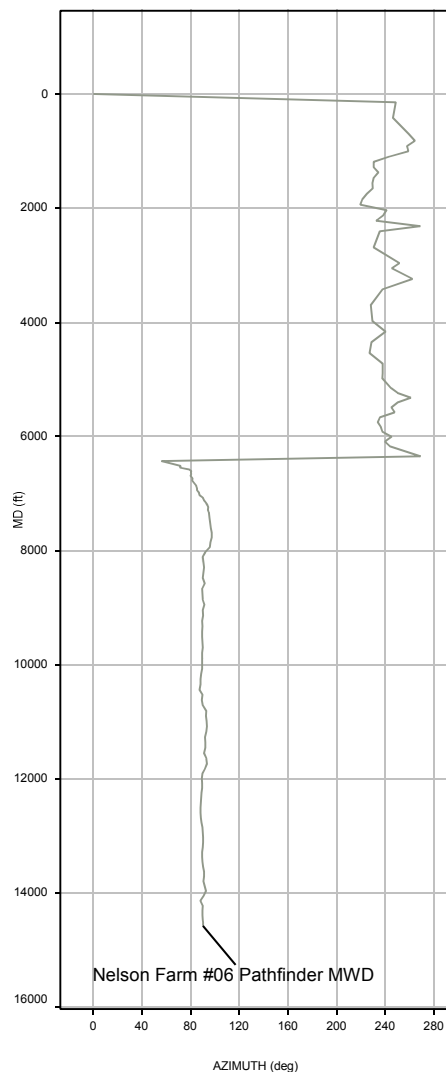
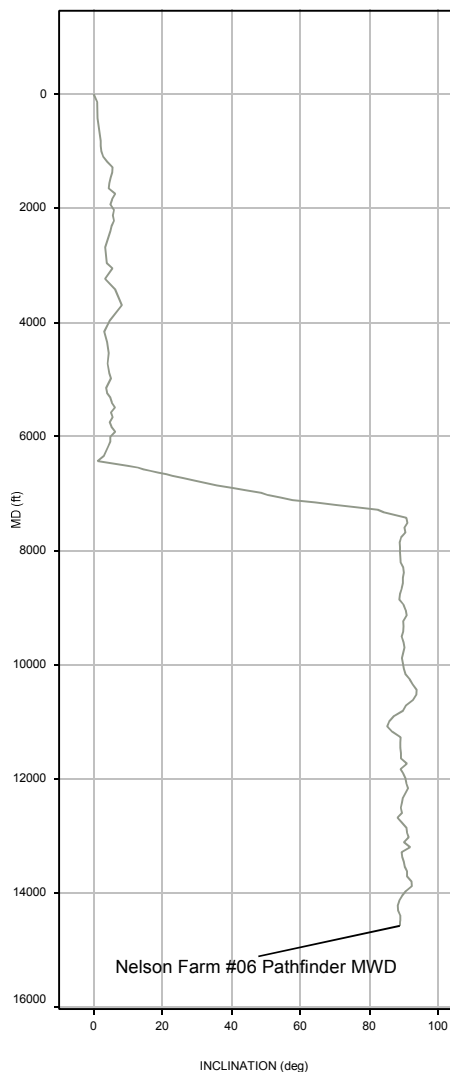
Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
0.00	0.00	0.00	0.00	Tie Into Surface	
143.00	142.99	-0.48	-1.23	First Pathfinder MWD	
14,510.00	7,070.85	-309.49	7,309.25	Final Pathfinder MWD	
14,575.00	7,072.20	-309.61	7,374.23	Projection to Bit	

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

Borehole:	Well:	Field:	Structure:
Original Hole	Nelson Farm #06	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:	67.023°	Date:	12-Nov-2014	Lat:	N 40 33 0.81	Northing:	1443839.577ftUS	Grid Conv:	0.3835°	Slot:	Nelson Farm #06	TVD Ref:	KB - 16'(4985ft above MSL)	
MagDec:	8.588°	FS:	52728.931nT	Gravity FS:	999.039mgn (9.80665 Based)	Lon:	W 104 54 23.02	Easting:	3164957.555ftUS	Scale Fact:	0.99997048	Plan:	Nelson Farm #06 Pathfinder MWD			



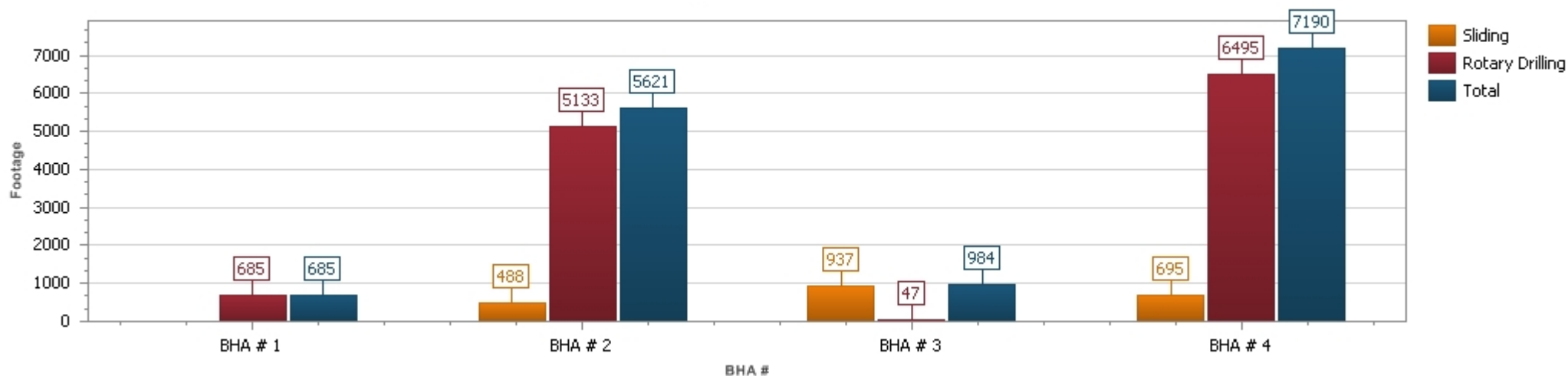


Job Number: 14CAS0391
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #06
Well Location: Lat: 40.55, Long: -104.906389
Well State: Colorado

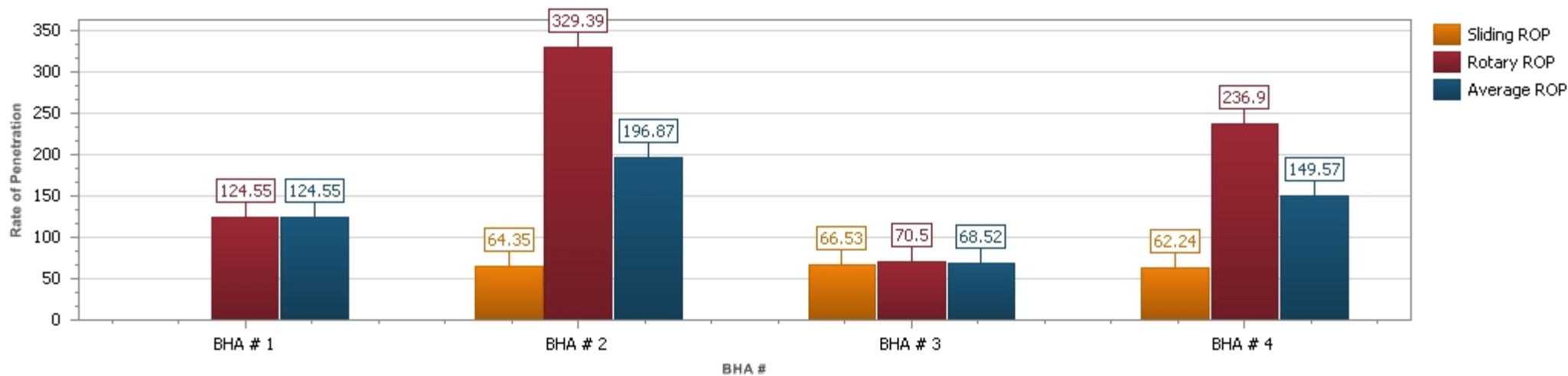
Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD: Lopez, Eric R
Co. Man:

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: l

Footage Drilled for BHA



ROP vs BHA



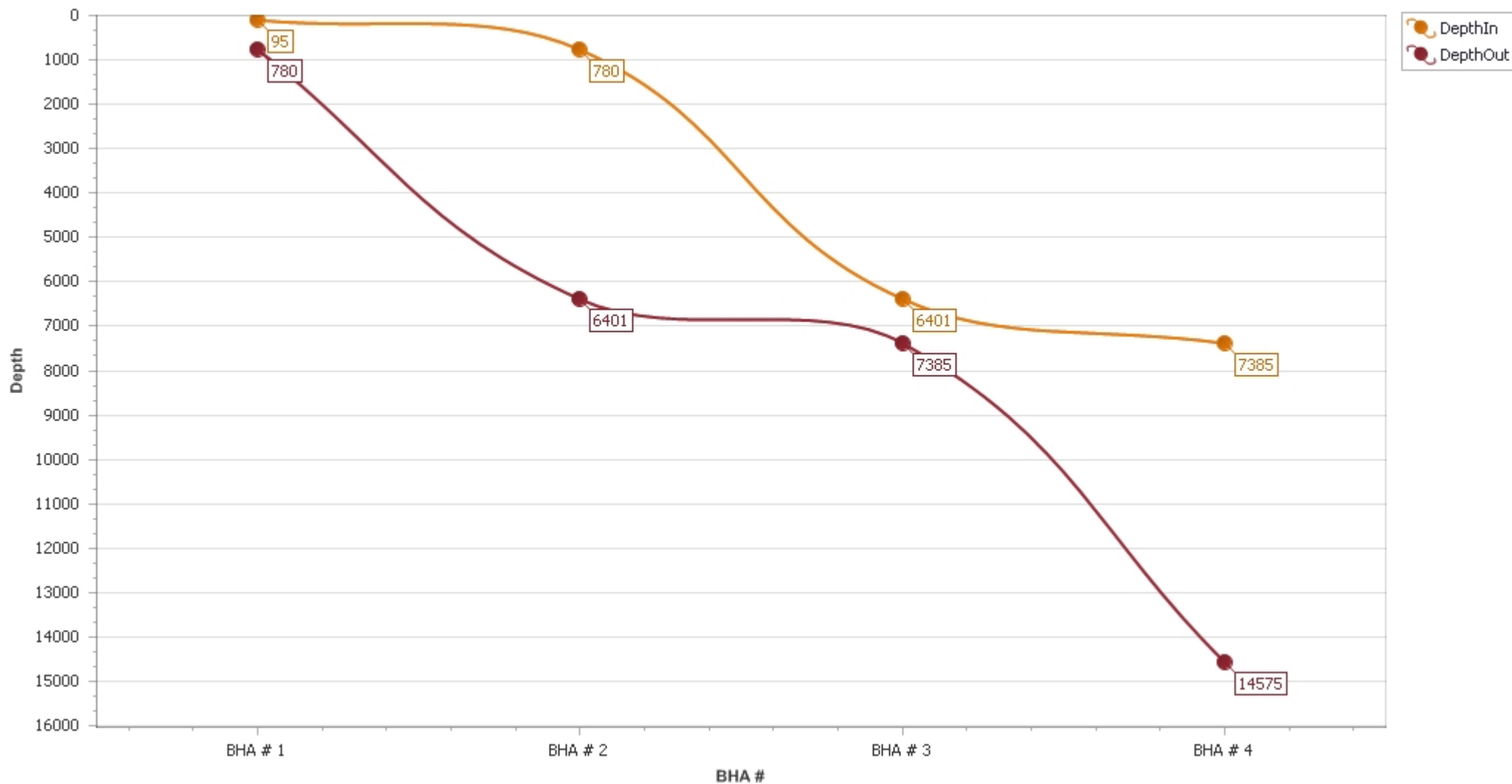


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Depth vs BHA



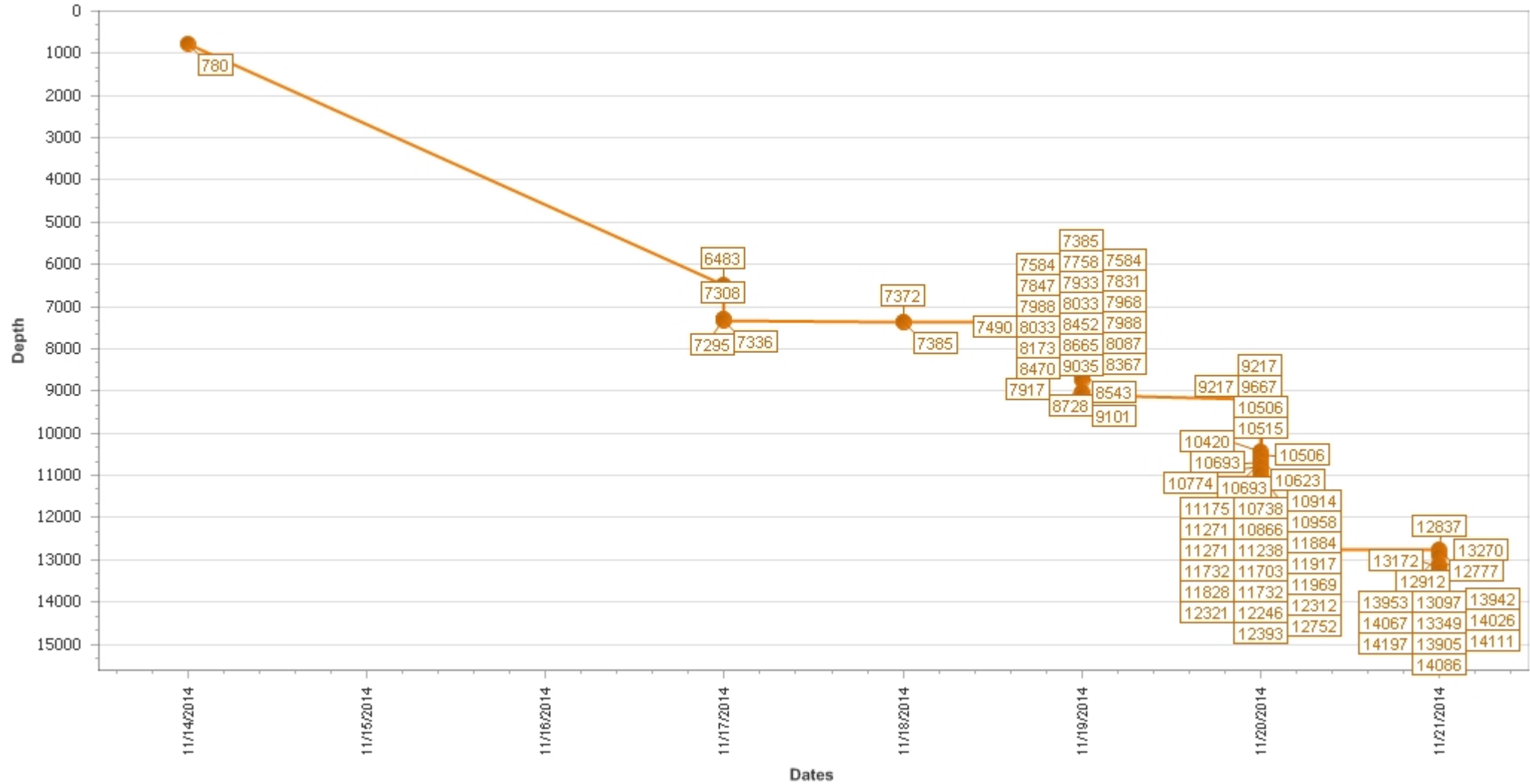


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Depth vs Days



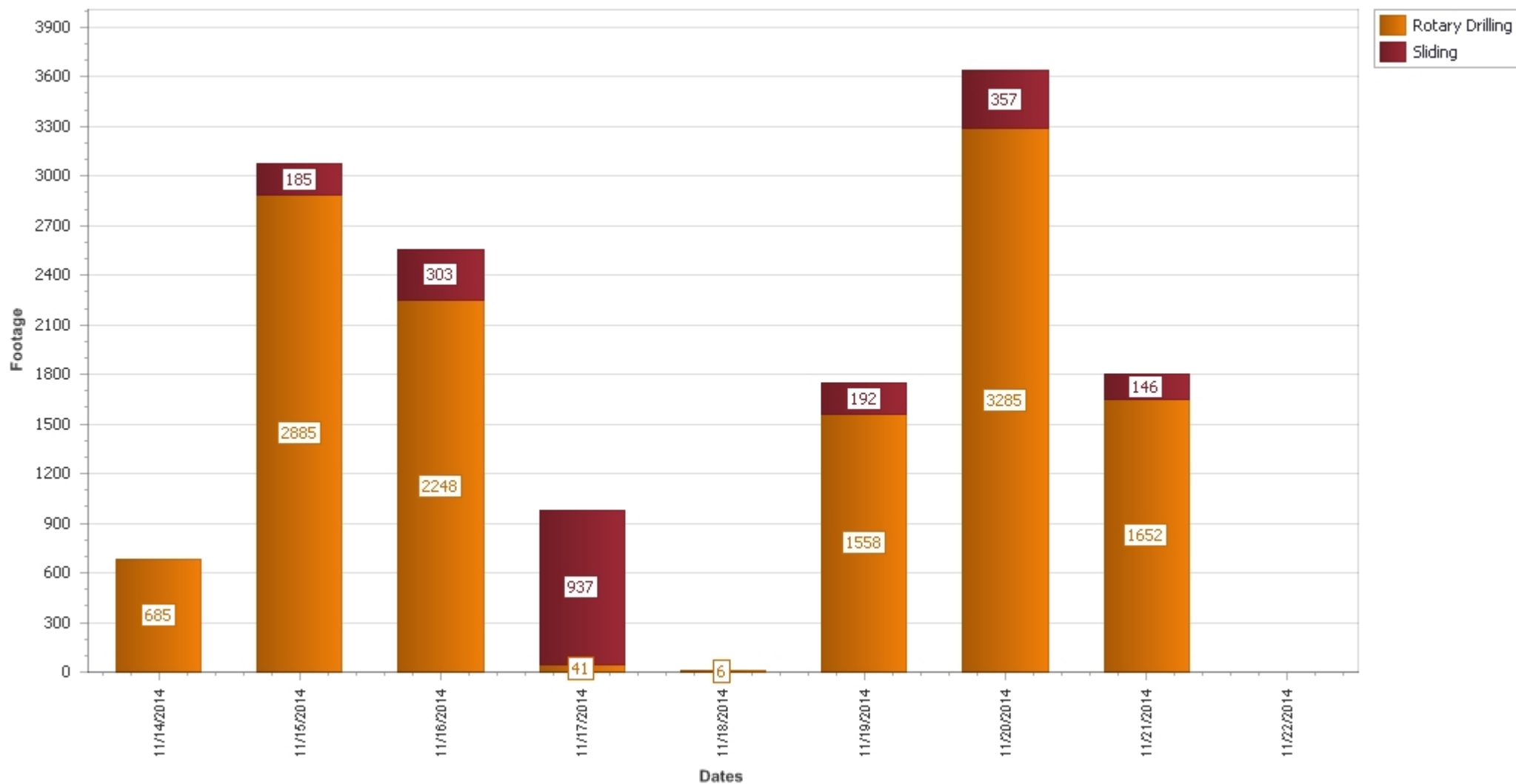


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Daily Footage



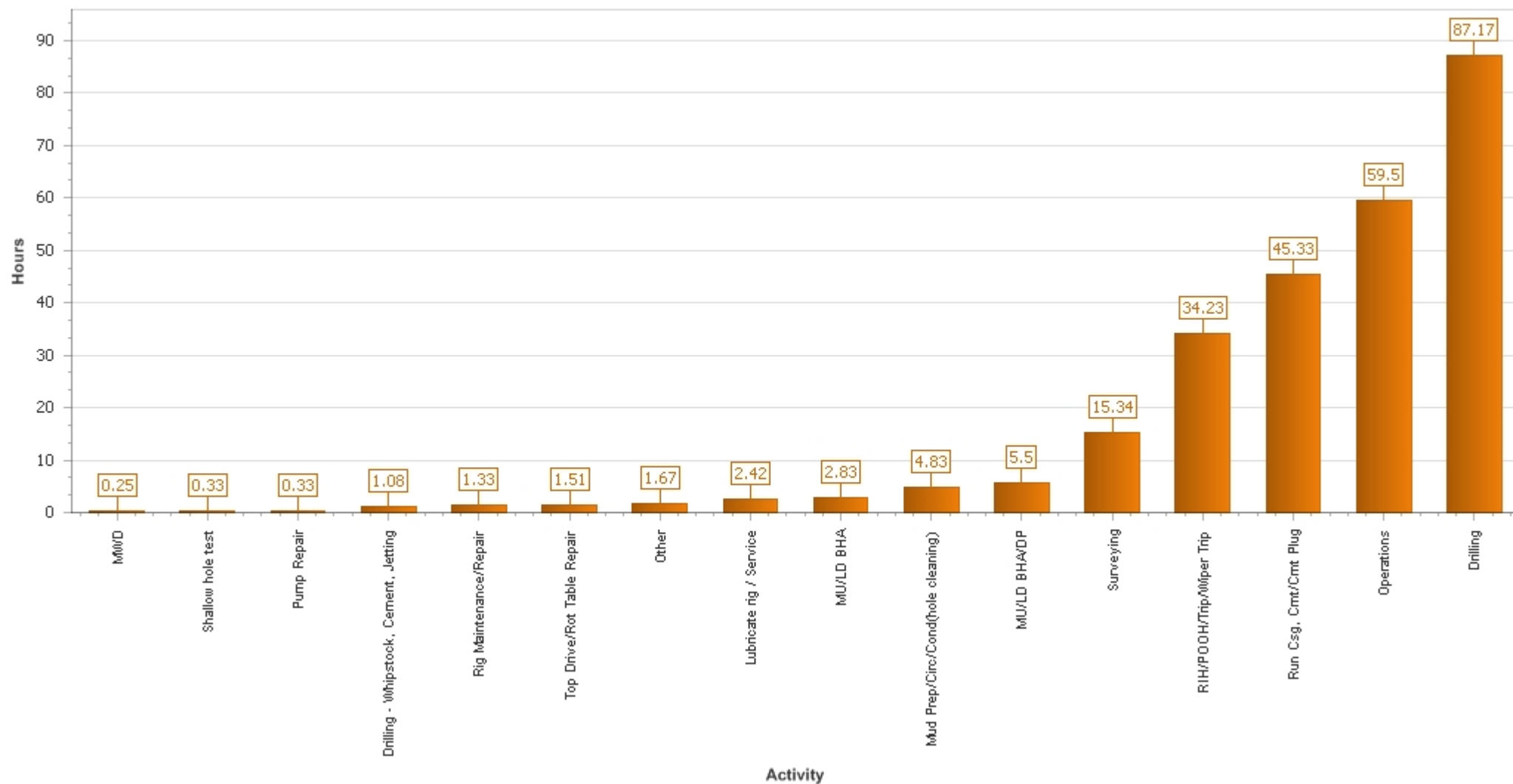


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Activity Histogram



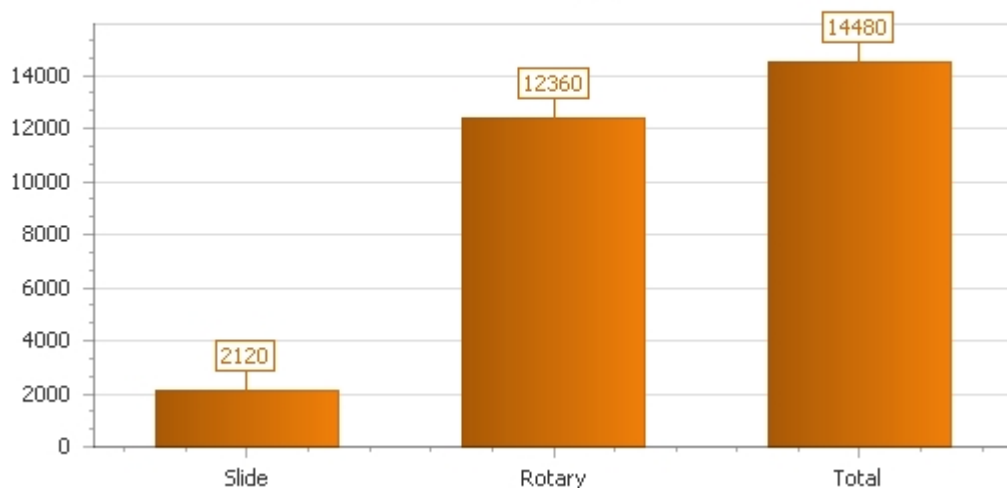


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Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #06
Well Location: Lat: 40.55, Long: -104.906389
Well State: Colorado

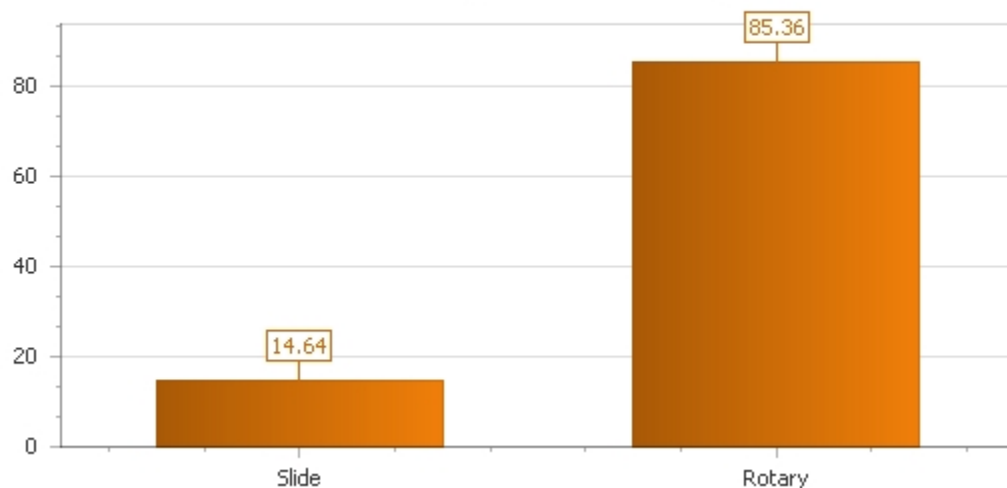
Well County: Weld
Well Field: Wattenberg
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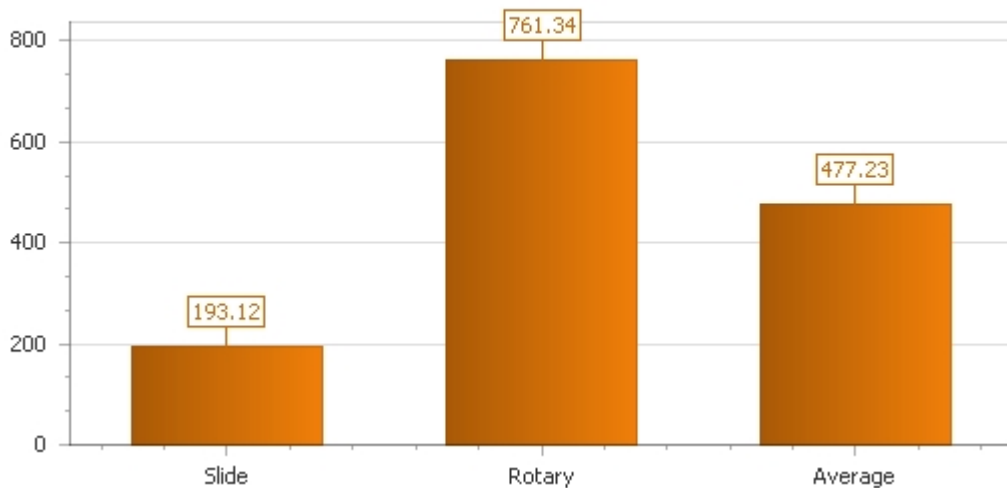
Totals for Footage Drilled



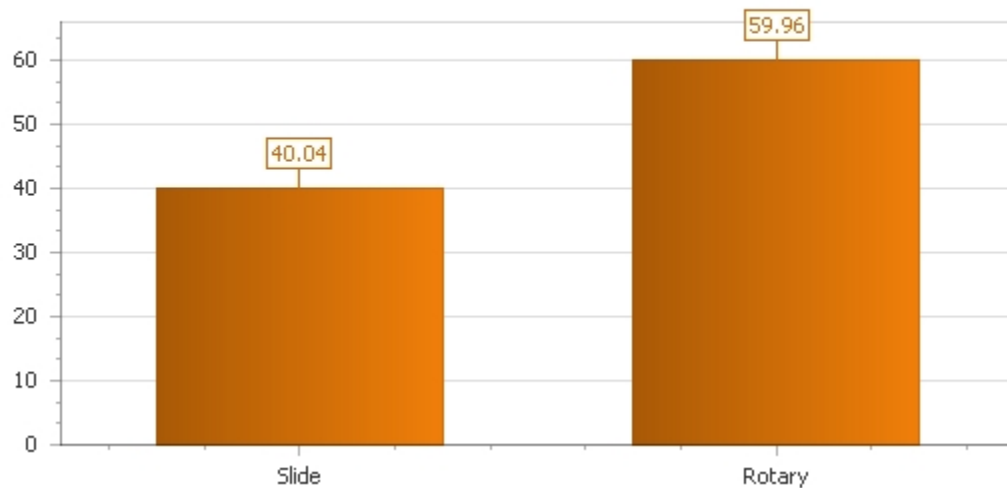
Percentage of Footage



Rate of Penetration



Percentage of Total Time



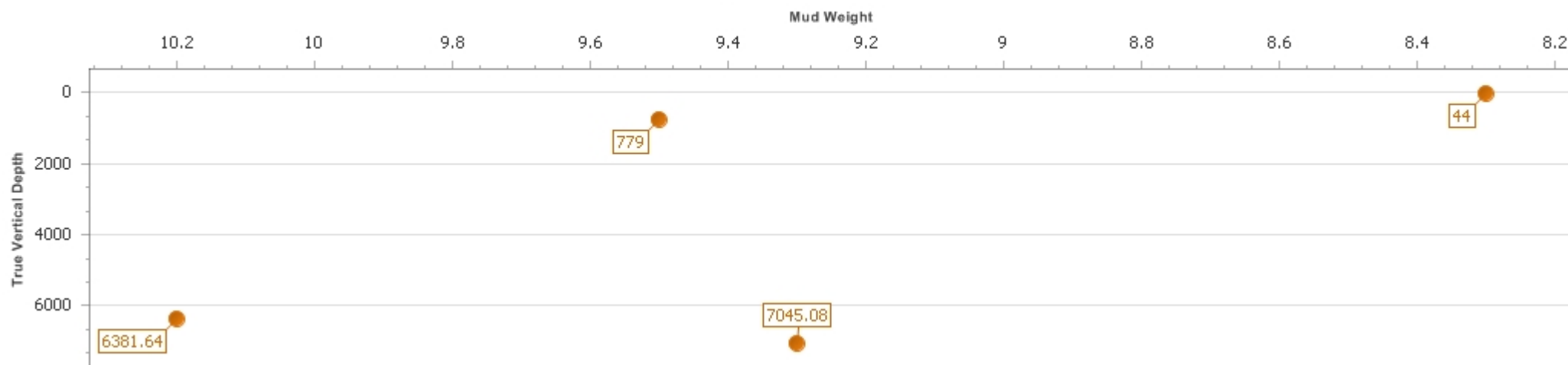


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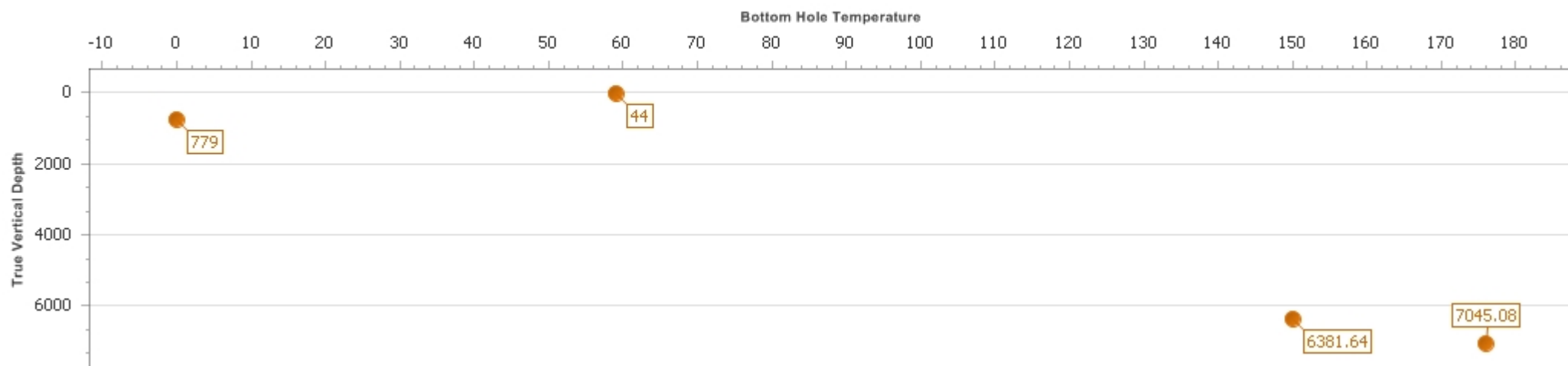
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Mud Weight vs TVD Depth



Bottom Hole Temp vs TVD Depth





Job Number: 14CAS0391
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Daily Report for Saturday, November, 15 2014

From: Nov-14-2014 00:00 To: Nov-15-2014 00:00

DRILLING SUMMARY				DRILLING PARAMETERS					
Start Depth	0	Rotary Hours	5.50	WOB Rot	15.00	PU	45.00	Slack Off	35.00
End Depth	0	Total Circu. Hours	6.42	WOB Slid		SPP	2,500.00	Flow Rate	700.00 - 700.00
Total Drilled	685	Avg. Total ROP	89.35	RAB	40.00	SPM	167.00		
Total Rotary Drilled	685	Avg. Rotary ROP	124.55	MUD DATA					
Total Sliding Drilled	0	Avg. Slide ROP		Type	Water Base		PV		SOLID
Slide Hours	0.00	Percent Rotary	100%	Weight	8.30	Gas		YP	BHT°
Below Rotary Hrs	7.67	Percent Slide	0%	Viscosity	28	Sand	0.01	PH	Flow T°
				Chlorides	500	WL			Oil%

PERSONNEL								CASING			
Directional Company								Size		Set Depth	
Company Man								16		60	
MLWD - Cell Manager				Bagby, Ryan Paul				DAILY COST			
DD - Cell Manager				Lopez, Eric R				Daily Cost: \$10,000.00 Cumulative Cost: \$50,875.00 Signature:			
DD				Harwood, Richard							
MLWD				Thomason, Russell							
Incl. In	0	Azm. In	0	Incl. Out	1.76	Azm. Out	259.21				

BHA & COMMENTS

Drill surface section and run casing and cement

FORECAST NEXT 24

Pick up tools for vertical/nudge section.

DD JOURNAL

Date	Start	End	Hours	Start	End	Activity	Comment
14-Nov-14	05:30	06:45	1.25	0	95	Pick Up BHA	
14-Nov-14	06:45	12:15	5.5	95	780	Rotating	
14-Nov-14	12:15	13:10	0.92	780	780	Circulating	
14-Nov-14	13:10	14:00	0.83	780	95	POOH	
14-Nov-14	14:00	14:25	0.42	95	0	Lay Down BHA	
14-Nov-14	14:25	00:00	9.58	0	0	Standby	

MWD JOURNAL

Date	Start	End	Hours	Start	End	Activity	Comment
14-Nov-14	00:00	05:30	5.5	0	0	Operations	Stand by on Rig
14-Nov-14	05:30	06:45	1.25	0	0	MU/LD BHA/DP	Make up BHA
14-Nov-14	06:45	06:45	0	0	0	Run Start - TBRT	Begin Run #1.
14-Nov-14	06:45	07:05	0.33	0	95	RIH/POOH/Trip/Wiper Tr	TIH

Run Statistics Calculated from DD Journal



Job Number: 14CAS0391

Company Name: EXTRACTION OIL & GAS LLC

Rig Name: XTREME COIL DRLG/HOU #7

Well Name: Nelson Farm #06

Well Location: Lat: 40.55, Long: -104.906389

Well State: Colorado

Well County: Weld

Well Field: Wattenberg

Well Country:

Lead DD: Lopez, Eric R

Co. Man:

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

14-Nov-14	07:05	09:55	2.83	95	190	Drilling	Drilling surface
14-Nov-14	09:55	10:00	0.08	190	190	Surveying	C/S
14-Nov-14	10:00	10:50	0.83	190	464	Drilling	Drilling surface
14-Nov-14	10:50	11:00	0.17	464	464	Surveying	C/S
14-Nov-14	11:00	11:50	0.83	464	748	Drilling	Drilling surface
14-Nov-14	11:50	12:00	0.17	748	748	Surveying	C/S
14-Nov-14	12:00	12:15	0.25	748	780	Drilling	Drilling surface
14-Nov-14	12:15	13:10	0.92			Mud Prep/Circ/Cond(hol	circulating
14-Nov-14	13:10	14:25	1.25	780	0	RIH/POOH/Trip/Wiper Tr	POOH
14-Nov-14	14:25	14:25	0	0	0	Run End - TART	End Run #1.
14-Nov-14	14:25	00:00	9.58	0	0	Run Csg, Cmt/Cmt Plug	Run Casing



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Daily Report for Sunday, November, 16 2014

From: Nov-15-2014 00:00 To: Nov-16-2014 00:00

DRILLING SUMMARY								DRILLING PARAMETERS												
Start Depth		0		Rotary Hours		7.75		WOB Rot				PU			Slack Off					
End Depth		3,850		Total Circu. Hours		10.92		WOB Slid				SPP			Flow Rate					
Total Drilled		3,070		Avg. Total ROP		186.06		RAB				SPM								
Total Rotary Drilled		2,885		Avg. Rotary ROP		372.26		MUD DATA												
Total Sliding Drilled		185		Avg. Slide ROP		92.50		Type		Fresh Water			PV			SOLID				
Slide Hours		2.00		Percent Rotary		93.97%		Weight		9.50	Gas			YP			BHT°			
Below Rotary Hrs		16.50		Percent Slide		6.03%		Viscosity				Sand			PH			Flow T°		
								Chlorides				WL					Oil%			
PERSONNEL								CASING												
Directional Company								Size				Set Depth								
Company Man								9.625				740								
DD				Harwood, Richard				DAILY COST												
MLWD				Schmidt, William J				Daily Cost: \$10,750.00 Cumulative Cost: \$61,625.00 Signature:												
DD - Cell Manager				Lopez, Eric R																
MLWD - Cell Manager				Bagby, Ryan Paul																
Incl. In	1.76	Azm. In	259.21	Incl. Out	2.9	Azm. Out	268.71													
BHA & COMMENTS																				
Drilling nudge																				
FORECAST NEXT 24																				
drilling nudge																				
DD JOURNAL																				
Date		Start	End	Hours		Start	End	Activity				Comment								
15-Nov-14		00:00	06:00	6		0	0	Standby												
15-Nov-14		06:00	07:30	1.5		0	0	Pick Up BHA				P/U BHA#2								
15-Nov-14		07:30	08:30	1		0	0	Other – Inhole				X/O Saver Sub								
15-Nov-14		08:30	09:15	0.75		0	780	TIH				TIH w/ BHA#2								
15-Nov-14		09:15	09:50	0.58		780	780	Rotating				Drill float collar and shoe								
15-Nov-14		09:50	10:45	0.92		780	877	Rotating												
15-Nov-14		10:45	10:55	0.17		877	877	MWD Survey & Conn.												
15-Nov-14		10:55	11:10	0.25		877	969	Rotating												
15-Nov-14		11:10	11:15	0.08		969	969	MWD Survey & Conn.												
15-Nov-14		11:15	11:30	0.25		969	1061	Rotating												
15-Nov-14		11:30	12:10	0.67		1061	1061	Other – Inhole				X/O Saver Sub								
15-Nov-14		12:10	12:15	0.08		1061	1061	MWD Survey & Conn.												

Run Statistics Calculated from DD Journal



Job Number: 14CAS0391
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #06
Well Location: Lat: 40.55, Long: -104.906389
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD: Lopez, Eric R
Co. Man:

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
15-Nov-14	12:15	12:30	0.25	1061	1100	Rotating	
15-Nov-14	12:30	12:40	0.17	1100	1125	Sliding	25'@ 210M
15-Nov-14	12:40	12:45	0.08	1125	1154	Rotating	
15-Nov-14	12:45	12:50	0.08	1154	1154	MWD Survey & Conn.	
15-Nov-14	12:50	13:00	0.17	1154	1246	Rotating	
15-Nov-14	13:00	13:35	0.58	1246	1246	Other – Inhole	Install Rot Rubber
15-Nov-14	13:35	13:40	0.08	1246	1246	MWD Survey & Conn.	
15-Nov-14	13:40	13:45	0.08	1246	1266	Sliding	20'@230M
15-Nov-14	13:45	14:00	0.25	1266	1339	Rotating	
15-Nov-14	14:00	14:15	0.25	1339	1339	MWD Survey & Conn.	
15-Nov-14	14:15	14:25	0.17	1339	1431	Rotating	
15-Nov-14	14:25	14:30	0.08	1431	1431	MWD Survey & Conn.	
15-Nov-14	14:30	14:40	0.17	1431	1524	Rotating	
15-Nov-14	14:40	14:50	0.17	1524	1524	MWD Survey & Conn.	
15-Nov-14	14:50	15:00	0.17	1524	1617	Rotating	
15-Nov-14	15:00	15:10	0.17	1617	1617	MWD Survey & Conn.	
15-Nov-14	15:10	15:15	0.08	1617	1713	Rotating	
15-Nov-14	15:15	15:20	0.08	1713	1713	MWD Survey & Conn.	
15-Nov-14	15:20	15:35	0.25	1713	1733	Sliding	20'@235M
15-Nov-14	15:35	15:45	0.17	1733	1805	Rotating	
15-Nov-14	15:45	15:50	0.08	1805	1805	MWD Survey & Conn.	
15-Nov-14	15:50	16:00	0.17	1805	1900	Rotating	
15-Nov-14	16:00	16:05	0.08	1900	1900	MWD Survey & Conn.	
15-Nov-14	16:05	16:15	0.17	1900	1995	Rotating	
15-Nov-14	16:15	16:20	0.08	1995	1995	MWD Survey & Conn.	
15-Nov-14	16:20	16:30	0.17	1995	2015	Sliding	20'@310M
15-Nov-14	16:30	16:40	0.17	2015	2090	Rotating	
15-Nov-14	16:40	16:45	0.08	2090	2090	MWD Survey & Conn.	
15-Nov-14	16:45	16:55	0.17	2090	2185	Rotating	
15-Nov-14	16:55	17:00	0.08	2185	2185	MWD Survey & Conn.	
15-Nov-14	17:00	17:10	0.17	2185	2277	Rotating	
15-Nov-14	17:10	17:15	0.08	2277	2277	MWD Survey & Conn.	
15-Nov-14	17:15	17:25	0.17	2277	2372	Rotating	
15-Nov-14	17:25	18:00	0.58	2372	2372	Rig Service-Inhole	
15-Nov-14	18:00	18:05	0.08	2372	2372	MWD Survey & Conn.	
15-Nov-14	18:05	18:15	0.17	2372	2464	Rotating	
15-Nov-14	18:15	18:20	0.08	2464	2464	MWD Survey & Conn.	
15-Nov-14	18:20	19:00	0.67	2464	2744	Rotating	
15-Nov-14	19:00	19:05	0.08	2744	2744	MWD Survey & Conn.	
15-Nov-14	19:05	19:20	0.25	2744	2759	Sliding	15' @ 310M
15-Nov-14	19:20	19:40	0.33	2759	2836	Rotating	
15-Nov-14	19:40	19:50	0.17	2836	2846	Sliding	10' @ 300M

Run Statistics Calculated from DD Journal



Job Number: 14CAS0391
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #06
Well Location: Lat: 40.55, Long: -104.906389
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD: Lopez, Eric R
Co. Man:

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
15-Nov-14	19:50	20:10	0.33	2846	3020	Rotating	
15-Nov-14	20:10	20:20	0.17	3020	3020	MWD Survey & Conn.	
15-Nov-14	20:20	20:35	0.25	3020	3045	Sliding	25' @ 235M
15-Nov-14	20:35	20:40	0.08	3045	3112	Rotating	
15-Nov-14	20:40	20:45	0.08	3112	3112	MWD Survey & Conn.	
15-Nov-14	20:45	21:15	0.5	3112	3297	Rotating	
15-Nov-14	21:15	21:40	0.42	3297	3297	Rig Repair - Inhole	Washed 4 inch
15-Nov-14	21:40	21:45	0.08	3297	3297	MWD Survey & Conn.	
15-Nov-14	21:45	22:00	0.25	3297	3317	Sliding	20' @ 225M
15-Nov-14	22:00	22:15	0.25	3317	3389	Rotating	
15-Nov-14	22:15	22:20	0.08	3389	3389	MWD Survey & Conn.	Check Shot
15-Nov-14	22:20	22:30	0.17	3389	3409	Sliding	20' @ 210M
15-Nov-14	22:30	22:45	0.25	3409	3480	Rotating	
15-Nov-14	22:45	22:50	0.08	3480	3480	MWD Survey & Conn.	
15-Nov-14	22:50	23:00	0.17	3480	3573	Rotating	
15-Nov-14	23:00	23:05	0.08	3573	3573	MWD Survey	
15-Nov-14	23:05	23:15	0.17	3573	3665	Rotating	
15-Nov-14	23:15	23:20	0.08	3665	3665	MWD Survey	
15-Nov-14	23:20	23:30	0.17	3665	3758	Rotating	
15-Nov-14	23:30	23:35	0.08	3758	3758	MWD Survey & Conn.	
15-Nov-14	23:35	23:50	0.25	3758	3768	Sliding	10' @ 50M
15-Nov-14	23:50	00:00	0.17	3768	3850	Rotating	

MWD JOURNAL

Date	Start	End	Hours	Start	End	Activity	Comment
15-Nov-14	00:00	06:00	6			Operations	Standby
15-Nov-14	06:00	07:30	1.5			MU/LD BHA/DP	Make up BHA
15-Nov-14	07:30	07:30	0	0	0	Run Start - TBRT	Begin Run #2.
15-Nov-14	07:30	09:15	1.75	0	721	RIH/POOH/Trip/Wiper Tr	TIH
15-Nov-14	09:15	09:50	0.58	721	785	Drilling - Whipstock, Ce	Drilling out float collar and shoe.
15-Nov-14	09:50	10:50	1	780	876	Drilling	Rot
15-Nov-14	10:50	10:55	0.08	876	876	Surveying	C/S
15-Nov-14	10:55	11:15	0.33	876	970	Drilling	Rot
15-Nov-14	11:15	11:20	0.08	970	970	Surveying	C/S
15-Nov-14	11:20	11:35	0.25	970	1060	Drilling	Rot
15-Nov-14	11:35	12:15	0.67	1060	1060	Top Drive/Rot Table Rep	Change out saver sub, install stabbing guide, thawing o
15-Nov-14	12:15	12:20	0.08	1060	1060	Surveying	C/S
15-Nov-14	12:20	12:45	0.42	1060	1155	Drilling	Rot
15-Nov-14	12:45	13:00	0.25	1155	1155	Surveying	C/S
15-Nov-14	13:00	13:10	0.17	1155	1248	Drilling	ROT
15-Nov-14	13:10	13:35	0.42	1248	1248	Top Drive/Rot Table Rep	Remove flow nipple and rotating head.
15-Nov-14	13:35	13:40	0.08	1248	1248	Surveying	C/S
15-Nov-14	13:40	13:55	0.25	1248	1336	Drilling	Rot

Run Statistics Calculated from DD Journal



Job Number: 14CAS0391
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #06
Well Location: Lat: 40.55, Long: -104.906389
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD: Lopez, Eric R
Co. Man:

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

15-Nov-14	13:55	14:00	0.08	1336	1336	Surveying	C/S
15-Nov-14	14:00	14:25	0.42	1336	1428	Drilling	Rot
15-Nov-14	14:25	14:30	0.08	1428	1428	Surveying	C/S
15-Nov-14	14:30	14:45	0.25	1428	1519	Drilling	Rot
15-Nov-14	14:45	14:50	0.08	1519	1519	Surveying	C/S
15-Nov-14	14:50	15:00	0.17	1519	1612	Drilling	Rot
15-Nov-14	15:00	15:05	0.08	1612	1612	Surveying	C/S
15-Nov-14	15:05	15:15	0.17	1612	1704	Drilling	Rot
15-Nov-14	15:15	15:20	0.08	1704	1704	Surveying	C/S
15-Nov-14	15:20	15:45	0.42	1704	1802	Drilling	Rot
15-Nov-14	15:45	15:50	0.08	1802	1802	Surveying	C/S
15-Nov-14	15:50	16:00	0.17	1802	1894	Drilling	rot
15-Nov-14	16:00	16:05	0.08	1894	1894	Surveying	C/S
15-Nov-14	16:05	16:15	0.17	1894	1986	Drilling	Rot
15-Nov-14	16:15	16:20	0.08	1986	1986	Surveying	c/S
15-Nov-14	16:20	16:40	0.33	1986	2086	Drilling	Rot
15-Nov-14	16:40	16:45	0.08	2086	2086	Surveying	C/S
15-Nov-14	16:45	16:55	0.17	2086	2179	Drilling	Rot
15-Nov-14	16:55	17:00	0.08	2179	2179	Surveying	C/S
15-Nov-14	17:00	17:10	0.17	2179	2271	Drilling	Rot
15-Nov-14	17:10	17:15	0.08	2271	2271	Surveying	C/S
15-Nov-14	17:15	17:25	0.17	2271	2364	Drilling	Rot
15-Nov-14	17:25	18:00	0.58	2364	2364	Lubricate rig / Service	Rig Service
15-Nov-14	18:00	18:05	0.08	2364	2364	Surveying	C/S
15-Nov-14	18:05	19:00	0.92	2364	2742	Drilling	Rot
15-Nov-14	19:00	19:05	0.08	2742	2742	Surveying	C/S
15-Nov-14	19:05	19:35	0.5	2742	2836	Drilling	Rot
15-Nov-14	19:35	19:45	0.17	2836	2846	Drilling	Slide
15-Nov-14	19:45	20:10	0.42	2846	3020	Drilling	Rot
15-Nov-14	20:10	20:15	0.08	3020	3020	Surveying	C/S
15-Nov-14	20:15	20:35	0.33	3020	3046	Drilling	Slide
15-Nov-14	20:35	20:40	0.08	3046	3112	Drilling	Rot
15-Nov-14	20:40	20:45	0.08	3112	3112	Surveying	C/S
15-Nov-14	20:45	21:10	0.42	3112	3295	Drilling	Rot
15-Nov-14	21:10	21:35	0.42	3295	3295	Rig Maintenance/Repair	Repair standpipe.
15-Nov-14	21:35	21:40	0.08	3295	3295	Surveying	C/S
15-Nov-14	21:40	22:00	0.33	3295	3319	Drilling	Slide
15-Nov-14	22:00	22:20	0.33	3319	3389	Drilling	Rot
15-Nov-14	22:20	22:35	0.25	3389	3410	Drilling	Slide
15-Nov-14	22:35	22:40	0.08	3410	3481	Drilling	Rot
15-Nov-14	22:40	22:45	0.08	3481	3481	Surveying	C/S
15-Nov-14	22:45	23:30	0.75	3481	3757	Drilling	Rot
15-Nov-14	23:30	23:35	0.08	3757	3757	Surveying	C/S
15-Nov-14	23:35	23:55	0.33	3757	3768	Drilling	Slide

Run Statistics Calculated from DD Journal



Job Number: 14CAS0391

Company Name: EXTRACTION OIL & GAS LLC

Rig Name: XTREME COIL DRLG/HOU #7

Well Name: Nelson Farm #06

Well Location: Lat: 40.55, Long: -104.906389

Well State: Colorado

Well County: Weld

Well Field: Wattenberg

Well Country:

Lead DD: Lopez, Eric R

Co. Man:

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							
15-Nov-14	23:55	00:00	0.08	3768	3832	Drilling	Rot



Job Number: 14CAS0391
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #06
Well Location: Lat: 40.55, Long: -104.906389
Well State: Colorado

Well County: Weld
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Well Country:
Lead DD: Lopez, Eric R
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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, November, 17 2014

From: Nov-16-2014 00:00 To: Nov-17-2014 00:00

DRILLING SUMMARY								DRILLING PARAMETERS											
Start Depth		3,850		Rotary Hours		7.83		WOB Rot				PU			Slack Off				
End Depth		90		Total Circu. Hours		15.75		WOB Slid				SPP			Flow Rate				
Total Drilled		2,551		Avg. Total ROP		109.72		RAB				SPM							
Total Rotary Drilled		2,248		Avg. Rotary ROP		286.98		MUD DATA											
Total Sliding Drilled		303		Avg. Slide ROP		54.27		Type					PV			SOLID			
Slide Hours		5.58		Percent Rotary		88.12%		Weight			Gas			YP			BHT°		
Below Rotary Hrs		23.25		Percent Slide		11.88%		Viscosity			Sand			PH			Flow T°		
								Chlorides			WL					Oil%			
PERSONNEL								CASING											
Directional Company								Size				Set Depth							
Company Man								9.625				740							
MLWD				Schmidt, William J				DAILY COST											
DD - Cell Manager				Lopez, Eric R				Daily Cost: \$10,750.00 Cumulative Cost: \$72,375.00											
MLWD - Cell Manager				Bagby, Ryan Paul															
DD				Harwood, Richard															
Incl. In	1.76	Azm. In	259.21	Incl. Out	2.9	Azm. Out	268.71	Signature:											
BHA & COMMENTS																			
Pooh, change BHA for curve																			
FORECAST NEXT 24																			
Drill curve																			
DD JOURNAL																			
Date		Start	End	Hours	Start	End	Activity			Comment									
16-Nov-14		00:00	00:10	0.17	3850	3850	MWD Survey												
16-Nov-14		00:10	00:20	0.17	3850	3942	Rotating												
16-Nov-14		00:20	00:25	0.08	3942	3942	MWD Survey												
16-Nov-14		00:25	00:35	0.17	3942	4034	Rotating												
16-Nov-14		00:35	00:40	0.08	4034	4034	MWD Survey & Conn.												
16-Nov-14		00:40	01:05	0.42	4034	4221	Rotating												
16-Nov-14		01:05	01:10	0.08	4221	4221	MWD Survey & Conn.												
16-Nov-14		01:10	01:25	0.25	4221	4313	Rotating												
16-Nov-14		01:25	01:30	0.08	4313	4313	MWD Survey												
16-Nov-14		01:30	01:50	0.33	4313	4328	Sliding			15' @ 210M									
16-Nov-14		01:50	02:00	0.17	4328	4407	Rotating												
16-Nov-14		02:00	02:05	0.08	4407	4407	MWD Survey & Conn.												

Run Statistics Calculated from DD Journal



Job Number: 14CAS0391
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #06
Well Location: Lat: 40.55, Long: -104.906389
Well State: Colorado

Well County: Weld
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Co. Man:

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
16-Nov-14	02:05	02:20	0.25	4407	4502	Rotating	
16-Nov-14	02:20	02:25	0.08	4502	4502	MWD Survey	
16-Nov-14	02:25	02:50	0.42	4502	4522	Sliding	20' @ 225M
16-Nov-14	02:50	03:00	0.17	4522	4595	Rotating	
16-Nov-14	03:00	03:05	0.08	4595	4595	MWD Survey & Conn.	
16-Nov-14	03:05	03:20	0.25	4595	4605	Sliding	10' @ 235M
16-Nov-14	03:20	03:30	0.17	4605	4688	Rotating	
16-Nov-14	03:30	03:40	0.17	4688	4688	MWD Survey	
16-Nov-14	03:40	03:55	0.25	4688	4781	Rotating	
16-Nov-14	03:55	04:00	0.08	4781	4781	MWD Survey & Conn.	
16-Nov-14	04:00	04:30	0.5	4781	4801	Sliding	20' @ 235M
16-Nov-14	04:30	04:40	0.17	4801	4868	Rotating	
16-Nov-14	04:40	04:45	0.08	4868	4868	Circulating	Slow pump rates
16-Nov-14	04:45	04:50	0.08	4868	4868	MWD Survey	
16-Nov-14	04:50	05:05	0.25	4868	4953	Rotating	
16-Nov-14	05:05	05:30	0.42	4953	4953	Rig Service-Inhole	
16-Nov-14	05:30	05:35	0.08	4953	4953	MWD Survey & Conn.	
16-Nov-14	05:35	06:10	0.58	4953	4973	Sliding	20'@230M
16-Nov-14	06:10	06:20	0.17	4973	5073	Rotating	
16-Nov-14	06:20	06:25	0.08	5073	5073	MWD Survey & Conn.	
16-Nov-14	06:25	06:45	0.33	5073	5124	Rotating	
16-Nov-14	06:45	06:50	0.08	5124	5124	MWD Survey & Conn.	
16-Nov-14	06:50	07:35	0.75	5124	5209	Rotating	
16-Nov-14	07:35	07:40	0.08	5209	5209	MWD Survey & Conn.	
16-Nov-14	07:40	08:00	0.33	5209	5234	Sliding	25'@230M
16-Nov-14	08:00	08:15	0.25	5234	5294	Rotating	
16-Nov-14	08:15	08:20	0.08	5294	5294	MWD Survey & Conn.	
16-Nov-14	08:20	08:35	0.25	5294	5319	Sliding	25'@230M
16-Nov-14	08:35	08:45	0.17	5319	5379	Rotating	
16-Nov-14	08:45	08:50	0.08	5379	5379	MWD Survey & Conn.	
16-Nov-14	08:50	09:20	0.5	5379	5404	Sliding	
16-Nov-14	09:20	09:30	0.17	5404	5464	Rotating	
16-Nov-14	09:30	09:40	0.17	5464	5464	MWD Survey & Conn.	
16-Nov-14	09:40	09:55	0.25	5464	5464	Other – Inhole	Rack back washed std.
16-Nov-14	09:55	10:20	0.42	5464	5489	Sliding	25'@210M
16-Nov-14	10:20	10:30	0.17	5489	5550	Rotating	
16-Nov-14	10:30	10:40	0.17	5550	5550	MWD Survey & Conn.	
16-Nov-14	10:40	10:50	0.17	5550	5635	Rotating	
16-Nov-14	10:50	11:05	0.25	5635	5635	Rig Service-Inhole	
16-Nov-14	11:05	11:15	0.17	5635	5635	MWD Survey & Conn.	
16-Nov-14	11:15	12:15	1	5635	5635	Other – Inhole	Build Volume
16-Nov-14	12:15	12:30	0.25	5635	5663	Sliding	

Run Statistics Calculated from DD Journal



Job Number: 14CAS0391
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #06
Well Location: Lat: 40.55, Long: -104.906389
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD: Lopez, Eric R
Co. Man:

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
16-Nov-14	12:30	12:50	0.33	5663	5720	Rotating	
16-Nov-14	12:50	13:00	0.17	5720	5720	MWD Survey & Conn.	
16-Nov-14	13:00	13:30	0.5	5720	5805	Rotating	
16-Nov-14	13:30	13:35	0.08	5805	5805	Other – Inhole	Re-log Gamma
16-Nov-14	13:35	13:40	0.08	5805	5805	MWD Survey & Conn.	
16-Nov-14	13:40	14:10	0.5	5805	5835	Sliding	30'@245M
16-Nov-14	14:10	14:25	0.25	5835	5890	Rotating	
16-Nov-14	14:25	14:35	0.17	5890	5890	MWD Survey & Conn.	
16-Nov-14	14:35	14:50	0.25	5890	5920	Sliding	30'@240M
16-Nov-14	14:50	15:00	0.17	5920	5976	Rotating	
16-Nov-14	15:00	15:10	0.17	5976	5976	MWD Survey & Conn.	
16-Nov-14	15:10	15:30	0.33	5976	6061	Rotating	
16-Nov-14	15:30	15:40	0.17	6061	6061	MWD Survey & Conn.	
16-Nov-14	15:40	16:25	0.75	6061	6085	Sliding	24'@235M
16-Nov-14	16:25	17:00	0.58	6085	6085	Rig Repair - Inhole	Work on Mud Lines
16-Nov-14	17:00	17:15	0.25	6085	6091	Sliding	6'@235M
16-Nov-14	17:15	17:25	0.17	6091	6146	Rotating	
16-Nov-14	17:25	17:30	0.08	6146	6146	MWD Survey & Conn.	
16-Nov-14	17:30	17:55	0.42	6146	6232	Rotating	
16-Nov-14	17:55	18:00	0.08	6232	6232	MWD Survey & Conn.	
16-Nov-14	18:00	19:05	1.08	6232	6401	Rotating	
16-Nov-14	19:05	19:15	0.17	6401	6401	MWD Survey	
16-Nov-14	19:15	19:25	0.17	6401	6401	Circulating	
16-Nov-14	19:25	22:40	3.25	6401	120	POOH	
16-Nov-14	22:40	23:15	0.58	120	0	Lay Down BHA	L/D BHA # 2
16-Nov-14	23:15	00:00	0.75	0	90	Pick Up BHA	P/U BHA # 3
MWD JOURNAL							
Date	Start	End	Hours	Start	End	Activity	Comment
16-Nov-14	00:00	00:35	0.58	3832	4035	Drilling	Rot
16-Nov-14	00:35	00:40	0.08	4035	4035	Surveying	C/S
16-Nov-14	00:40	01:05	0.42	4035	4221	Drilling	Rot
16-Nov-14	01:05	01:10	0.08	4221	4221	Surveying	C/S
16-Nov-14	01:10	01:25	0.25	4221	4314	Drilling	Rot
16-Nov-14	01:25	01:45	0.33	4314	4329	Drilling	Slide
16-Nov-14	01:45	02:00	0.25	4329	4408	Drilling	Rot
16-Nov-14	02:00	02:05	0.08	4408	4408	Surveying	C/S
16-Nov-14	02:05	02:20	0.25	4408	4500	Drilling	Rot
16-Nov-14	02:20	02:50	0.5	4500	4523	Drilling	Slide
16-Nov-14	02:50	02:55	0.08	4523	4594	Drilling	Rot
16-Nov-14	02:55	03:00	0.08	4594	4594	Surveying	C/S
16-Nov-14	03:00	03:20	0.33	4594	4604	Drilling	Slide
16-Nov-14	03:20	03:50	0.5	4604	4779	Drilling	Rot

Run Statistics Calculated from DD Journal



Job Number: 14CAS0391
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #06
Well Location: Lat: 40.55, Long: -104.906389
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD: Lopez, Eric R
Co. Man:

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

16-Nov-14	03:50	03:55	0.08	4779	4779	Surveying	C/S
16-Nov-14	03:55	04:30	0.58	4779	4802	Drilling	Slide
16-Nov-14	04:30	05:05	0.58	4802	4953	Drilling	Rot
16-Nov-14	05:05	05:30	0.42	4953	4953	Lubricate rig / Service	Rig service
16-Nov-14	05:30	05:35	0.08	4953	4953	Surveying	C/S
16-Nov-14	05:35	06:10	0.58	4953	4973	Drilling	Slide
16-Nov-14	06:10	06:20	0.17	4973	5039	Drilling	Rot
16-Nov-14	06:20	06:25	0.08	5039	5039	Surveying	C/S
16-Nov-14	06:25	06:45	0.33	5039	5125	Drilling	Rot
16-Nov-14	06:45	06:50	0.08	5125	5125	Surveying	C/S
16-Nov-14	06:50	07:40	0.83	5125	5210	Drilling	Rot
16-Nov-14	07:40	07:45	0.08	5210	5210	Surveying	C/S
16-Nov-14	07:45	08:05	0.33	5210	5234	Drilling	Slide
16-Nov-14	08:05	08:20	0.25	5234	5295	Drilling	rot
16-Nov-14	08:20	08:25	0.08	5295	5295	Surveying	C/S
16-Nov-14	08:25	08:35	0.17	5295	5321	Drilling	Slide
16-Nov-14	08:35	08:50	0.25	5321	5380	Drilling	rot
16-Nov-14	08:50	08:55	0.08	5380	5380	Surveying	C/S
16-Nov-14	08:55	09:20	0.42	5380	5414	Drilling	Slide
16-Nov-14	09:20	09:30	0.17	5414	5465	Drilling	rot
16-Nov-14	09:30	09:35	0.08	5465	5465	Surveying	C/S
16-Nov-14	09:35	09:55	0.33	5465	5465	Rig Maintenance/Repair	Repair Drill Pipe
16-Nov-14	09:55	10:20	0.42	5465	5499	Drilling	slide
16-Nov-14	10:20	10:30	0.17	5499	5551	Drilling	rot
16-Nov-14	10:30	10:35	0.08	5551	5551	Surveying	C/S
16-Nov-14	10:35	10:55	0.33	5551	5635	Drilling	rot
16-Nov-14	10:55	11:10	0.25	5635	5635	Lubricate rig / Service	Rig Service
16-Nov-14	11:10	11:15	0.08	5635	5635	Surveying	C/S
16-Nov-14	11:15	11:35	0.33	5635	5636	Drilling	Slide
16-Nov-14	11:35	12:10	0.58	5636	5636	Rig Maintenance/Repair	Trying to transfer from up right tanks to active
16-Nov-14	12:10	12:30	0.33	5636	5668	Drilling	Slide
16-Nov-14	12:30	12:50	0.33	5668	5721	Drilling	rot
16-Nov-14	12:50	12:55	0.08	5721	5721	Surveying	C/S
16-Nov-14	12:55	13:20	0.42	5721	5806	Drilling	rot
16-Nov-14	13:20	13:35	0.25	5745	5803	MWD	Relog
16-Nov-14	13:35	13:40	0.08	5806	5806	Surveying	C/S
16-Nov-14	13:40	14:11	0.52	5806	5840	Drilling	Slide
16-Nov-14	14:11	14:25	0.23	5840	5889	Drilling	rot
16-Nov-14	14:25	14:30	0.08	5889	5889	Surveying	C/S
16-Nov-14	14:30	14:50	0.33	5889	5920	Drilling	slide
16-Nov-14	14:50	15:00	0.17	5920	5975	Drilling	rot
16-Nov-14	15:00	15:15	0.25	5975	5975	Surveying	C/S
16-Nov-14	15:15	15:30	0.25	5975	6060	Drilling	rot
16-Nov-14	15:30	15:40	0.17	6060	6060	Surveying	C/S

Run Statistics Calculated from DD Journal



Job Number: 14CAS0391

Company Name: EXTRACTION OIL & GAS LLC

Rig Name: XTREME COIL DRLG/HOU #7

Well Name: Nelson Farm #06

Well Location: Lat: 40.55, Long: -104.906389

Well State: Colorado

Well County: Weld

Well Field: Wattenberg

Well Country:

Lead DD: Lopez, Eric R

Co. Man:

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

16-Nov-14	15:40	16:25	0.75	6060	6085	Drilling	Slide
16-Nov-14	16:25	16:45	0.33	6085	6085	Pump Repair	repair leak
16-Nov-14	16:45	17:15	0.5	6085	6101	Drilling	Slide
16-Nov-14	17:15	17:25	0.17	6101	6145	Drilling	rot
16-Nov-14	17:25	17:30	0.08	6145	6145	Surveying	c/s
16-Nov-14	17:30	17:50	0.33	6145	6230	Drilling	rot
16-Nov-14	17:50	17:55	0.08	6230	6230	Surveying	C/S
16-Nov-14	17:55	19:05	1.17	6230	6401	Drilling	Rot
16-Nov-14	19:05	19:10	0.08	6401	6401	Surveying	Survey
16-Nov-14	19:10	19:25	0.25	6401	6401	Mud Prep/Circ/Cond(hol	Circ / POOH
16-Nov-14	19:25	22:45	3.33	6401	0	RIH/POOH/Trip/Wiper Tr	At BHA
16-Nov-14	22:45	23:15	0.5	0	0	MU/LD BHA	LD nudge motor.
16-Nov-14	23:15	23:15	0	0	0	Run End - TART	End run #2
16-Nov-14	23:15	00:00	0.75	0	0	MU/LD BHA/DP	PU curve motor.



Job Number: 14CAS0391
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Well Name: Nelson Farm #06
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Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD: Lopez, Eric R
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, November, 18 2014

From: Nov-17-2014 00:00 To: Nov-18-2014 00:00

DRILLING SUMMARY				DRILLING PARAMETERS							
Start Depth	90	Rotary Hours	0.50	WOB Rot	15.00	PU	145.00	Slack Off	120.00		
End Depth	7,379	Total Circu. Hours	17.33	WOB Slid	15.00	SPP	3,300.00	Flow Rate	503.00 - 503.00		
Total Drilled	978	Avg. Total ROP	41.62	RAB	130.00	SPM	120.00				
Total Rotary Drilled	41	Avg. Rotary ROP	82.00	MUD DATA							
Total Sliding Drilled	937	Avg. Slide ROP	66.53	Type	Water Base		PV	11	SOLID	9.00	
Slide Hours	14.08	Percent Rotary	4.19%	Weight	10.20	Gas	2,200.0	YP	7	BHT°	150
Below Rotary Hrs	23.50	Percent Slide	95.81%	Viscosity	40	Sand	0.25	PH	9.0	Flow T°	101.00
				Chlorides	1,300	WL	5.80			Oil%	

PERSONNEL								CASING			
Directional Company								Size		Set Depth	
Company Man				Brandon				9.625		740	
MLWD - Cell Manager				Bagby, Ryan Paul				DAILY COST			
DD - Cell Manager				Lopez, Eric R				Daily Cost: \$10,750.00 Cumulative Cost: \$83,125.00 Signature:			
MLWD - Cell Manager				Schmidt, William J							
DD				Harwood, Richard							
Incl. In	2.9	Azm. In	268.71	Incl. Out	89	Azm. Out	94.86				

BHA & COMMENTS

Land curve

FORECAST NEXT 24

POOH, LD tools, standby for casing

DD JOURNAL							
Date	Start	End	Hours	Start	End	Activity	Comment
17-Nov-14	00:00	00:30	0.5	90	120	Pick Up BHA	P/U BHA # 3
17-Nov-14	00:30	05:00	4.5	120	6401	TIH	
17-Nov-14	05:00	06:25	1.42	6401	6483	Sliding	80' @ 90MTF
17-Nov-14	06:25	06:30	0.08	6483	6483	MWD Survey & Conn.	
17-Nov-14	06:30	07:35	1.08	6483	6568	Sliding	85' @ 90MTF
17-Nov-14	07:35	07:40	0.08	6568	6568	MWD Survey & Conn.	
17-Nov-14	07:40	08:05	0.42	6568	6598	Sliding	30' @ 90MTF
17-Nov-14	08:05	08:10	0.08	6598	6598	MWD Survey	
17-Nov-14	08:10	08:35	0.42	6598	6628	Sliding	30' @ 30R
17-Nov-14	08:35	08:40	0.08	6628	6628	MWD Survey	
17-Nov-14	08:40	09:05	0.42	6628	6654	Sliding	26' @ HS
17-Nov-14	09:05	09:10	0.08	6654	6654	MWD Survey & Conn.	

Run Statistics Calculated from DD Journal



Job Number: 14CAS0391
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #06
Well Location: Lat: 40.55, Long: -104.906389
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD: Lopez, Eric R
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
17-Nov-14	09:10	09:20	0.17	6654	6684	Sliding	30' @ HS
17-Nov-14	09:20	09:25	0.08	6684	6684	MWD Survey	
17-Nov-14	09:25	09:45	0.33	6684	6714	Sliding	30' @ HS
17-Nov-14	09:45	09:50	0.08	6714	6714	MWD Survey	
17-Nov-14	09:50	10:30	0.67	6714	6739	Sliding	25' @ HS
17-Nov-14	10:30	10:40	0.17	6739	6739	MWD Survey & Conn.	
17-Nov-14	10:40	11:35	0.92	6739	6782	Sliding	43' @ HS
17-Nov-14	11:35	11:40	0.08	6782	6782	MWD Survey	
17-Nov-14	11:40	12:30	0.83	6782	6824	Sliding	43' @ 30R
17-Nov-14	12:30	12:40	0.17	6824	6824	MWD Survey & Conn.	
17-Nov-14	12:40	13:20	0.67	6824	6867	Sliding	43' @ 30R
17-Nov-14	13:20	13:25	0.08	6867	6867	MWD Survey	
17-Nov-14	13:25	13:40	0.25	6867	6910	Sliding	43' @ 30R
17-Nov-14	13:40	13:45	0.08	6910	6910	MWD Survey & Conn.	
17-Nov-14	13:45	14:00	0.25	6910	6952	Sliding	42' @ HS
17-Nov-14	14:00	14:05	0.08	6952	6952	MWD Survey	
17-Nov-14	14:05	14:20	0.25	6952	6995	Sliding	43' @ HS
17-Nov-14	14:20	14:40	0.33	6995	6995	MWD Survey & Conn.	
17-Nov-14	14:40	15:20	0.67	6995	7038	Sliding	43' @ HS
17-Nov-14	15:20	15:30	0.17	7038	7038	MWD Survey	
17-Nov-14	15:30	16:05	0.58	7038	7080	Sliding	42' @ HS
17-Nov-14	16:05	16:15	0.17	7080	7080	MWD Survey & Conn.	
17-Nov-14	16:15	17:45	1.5	7080	7165	Sliding	85' @ HS
17-Nov-14	17:45	17:50	0.08	7165	7165	MWD Survey	
17-Nov-14	17:50	19:30	1.67	7165	7165	Circulating	TROUBLESHOOT PUMPS
17-Nov-14	19:30	20:45	1.25	7165	7251	Sliding	85' @ HS
17-Nov-14	20:45	21:15	0.5	7251	7251	MWD Survey & Conn.	
17-Nov-14	21:15	22:10	0.92	7251	7286	Sliding	35' @ HS
17-Nov-14	22:10	22:20	0.17	7286	7294	Rotating	
17-Nov-14	22:20	22:30	0.17	7294	7294	MWD Survey	
17-Nov-14	22:30	22:45	0.25	7294	7304	Sliding	10' @ HS
17-Nov-14	22:45	23:05	0.33	7304	7337	Rotating	
17-Nov-14	23:05	23:10	0.08	7337	7337	MWD Survey	
17-Nov-14	23:10	00:00	0.83	7337	7379	Sliding	42' @ HS
MWD JOURNAL							
Date	Start	End	Hours	Start	End	Activity	Comment
17-Nov-14	00:00	00:30	0.5	0	0	MU/LD BHA/DP	PU curve motor, measure offset.
17-Nov-14	00:30	00:30	0	0	0	Run Start - TBRT	Begin run #3
17-Nov-14	00:30	01:35	1.08	0	930	RIH/POOH/Trip/Wiper Tr	TIH
17-Nov-14	01:35	01:40	0.08	930	930	Shallow hole test	SHT
17-Nov-14	01:40	04:50	3.17	930	6401	RIH/POOH/Trip/Wiper Tr	TIH
17-Nov-14	04:50	06:25	1.58	6401	6483	Drilling	Slide

Run Statistics Calculated from DD Journal



Job Number: 14CAS0391
Company Name: EXTRACTION OIL & GAS LLC
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Well Name: Nelson Farm #06
Well Location: Lat: 40.55, Long: -104.906389
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
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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

17-Nov-14	06:25	06:35	0.17	6483	6483	Surveying	C/S
17-Nov-14	06:35	07:30	0.92	6483	6569	Drilling	Slide
17-Nov-14	07:30	07:40	0.17	6569	6569	Surveying	C/S
17-Nov-14	07:40	08:05	0.42	6569	6598	Drilling	Slide
17-Nov-14	08:05	08:10	0.08	6598	6598	Surveying	Survey
17-Nov-14	08:10	08:35	0.42	6598	6628	Drilling	Slide
17-Nov-14	08:35	08:40	0.08	6628	6628	Surveying	Survey
17-Nov-14	08:40	09:05	0.42	6628	6654	Drilling	Slide
17-Nov-14	09:05	09:15	0.17	6654	6654	Surveying	C/S
17-Nov-14	09:15	10:30	1.25	6654	6739	Drilling	Slide
17-Nov-14	10:30	10:50	0.33	6739	6739	Surveying	C/S
17-Nov-14	10:50	11:35	0.75	6739	6783	Drilling	Slide
17-Nov-14	11:35	11:40	0.08	6783	6783	Surveying	Survey
17-Nov-14	11:40	12:20	0.67	6783	6824	Drilling	Slide
17-Nov-14	12:20	12:25	0.08	6824	6824	Surveying	C/S
17-Nov-14	12:25	13:25	1	6824	6867	Drilling	Slide
17-Nov-14	13:25	13:30	0.08	6867	6867	Surveying	C/S
17-Nov-14	13:30	14:15	0.75	6867	6995	Drilling	Slide
17-Nov-14	14:15	14:20	0.08	6962	6962	Surveying	Survey
17-Nov-14	14:20	14:40	0.33	6995	6995	Surveying	C/S
17-Nov-14	14:40	16:05	1.42	6995	7080	Drilling	Slide
17-Nov-14	16:05	16:10	0.08	7038	7038	Surveying	Survey
17-Nov-14	16:10	16:15	0.08	7080	7080	Surveying	C/S
17-Nov-14	16:15	17:45	1.5	7080	7165	Drilling	Slide
17-Nov-14	17:45	17:50	0.08	7165	7165	Surveying	Survey
17-Nov-14	17:50	19:30	1.67	7165	7165	Other	Troubleshoot pump pressure.
17-Nov-14	19:30	20:45	1.25	7165	7252	Drilling	Slide
17-Nov-14	20:45	20:50	0.08	7252	7252	Surveying	Survey
17-Nov-14	20:50	21:05	0.25	7252	7252	Surveying	C/S
17-Nov-14	21:05	22:10	1.08	7252	7286	Drilling	Slide
17-Nov-14	22:10	22:20	0.17	7286	7295	Drilling	Rot
17-Nov-14	22:20	22:25	0.08	7295	7295	Surveying	Survey
17-Nov-14	22:25	22:45	0.33	7295	7308	Drilling	Slide
17-Nov-14	22:45	23:05	0.33	7308	7336	Drilling	Rot
17-Nov-14	23:05	23:10	0.08	7336	7336	Surveying	Survey
17-Nov-14	23:10	00:00	0.83	7336	7372	Drilling	Slide



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Daily Report for Wednesday, November, 19 2014

From: Nov-18-2014 00:00 To: Nov-19-2014 00:00

DRILLING SUMMARY				DRILLING PARAMETERS					
Start Depth	7,379	Rotary Hours	0.17	WOB Rot	15.00	PU	145.00	Slack Off	120.00
End Depth	0	Total Circu. Hours	2.08	WOB Slid	15.00	SPP	3,300.00	Flow Rate	503.00 - 503.00
Total Drilled	6	Avg. Total ROP	0.83	RAB	130.00	SPM	120.00		
Total Rotary Drilled	6	Avg. Rotary ROP	36.00	MUD DATA					
Total Sliding Drilled	0	Avg. Slide ROP		Type			PV		SOLID
Slide Hours	0.00	Percent Rotary	100%	Weight		Gas	YP		BHT°
Below Rotary Hrs	7.25	Percent Slide	0%	Viscosity		Sand	PH		Flow T°
				Chlorides		WL			Oil%

PERSONNEL								CASING			
Directional Company								Size		Set Depth	
Company Man				Brandon				9.625		740	
MLWD - Cell Manager				Bagby, Ryan Paul				DAILY COST			
MLWD - Cell Manager				Schmidt, William J				Daily Cost: \$10,750.00 Cumulative Cost: \$93,875.00 Signature:			
DD - Cell Manager				Lopez, Eric R							
DD				Harwood, Richard							
Incl. In	2.9	Azm. In	268.71	Incl. Out	89	Azm. Out	94.86				

BHA & COMMENTS

Standby for cement, PU tools for lateral.

FORECAST NEXT 24

PU tools, drill lateral

DD JOURNAL

Date	Start	End	Hours	Start	End	Activity	Comment
18-Nov-14	00:00	00:25	0.42	7379	7379	MWD Survey	
18-Nov-14	00:25	00:35	0.17	7379	7385	Rotating	
18-Nov-14	00:35	01:30	0.92	7385	7385	Short Trip	
18-Nov-14	01:30	03:00	1.5	7385	7385	Circulating	
18-Nov-14	03:00	06:15	3.25	7385	120	POOH	
18-Nov-14	06:15	07:15	1	120	0	Lay Down BHA	L/D BHA # 3
18-Nov-14	07:15	00:00	16.75	0	0	Standby	CASING & CEMENT

MWD JOURNAL

Date	Start	End	Hours	Start	End	Activity	Comment
18-Nov-14	00:00	00:10	0.17	7372	7379	Drilling	Slide
18-Nov-14	00:10	00:20	0.17	7379	7379	Surveying	C/S
18-Nov-14	00:20	00:35	0.25	7379	7385	Drilling	TD Curve.

Run Statistics Calculated from DD Journal



Job Number: 14CAS0391

Company Name: EXTRACTION OIL & GAS LLC

Rig Name: XTREME COIL DRLG/HOU #7

Well Name: Nelson Farm #06

Well Location: Lat: 40.55, Long: -104.906389

Well State: Colorado

Well County: Weld

Well Field: Wattenberg

Well Country:

Lead DD: Lopez, Eric R

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

18-Nov-14	00:35	00:40	0.08	7385	7385	Mud Prep/Circ/Cond(hol	Circ
18-Nov-14	00:40	01:00	0.33	7385	6400	RIH/POOH/Trip/Wiper Tr	Wiper trip
18-Nov-14	01:00	01:35	0.58	6400	7385	RIH/POOH/Trip/Wiper Tr	Wiper trip
18-Nov-14	01:35	02:05	0.5	7385	7385	Mud Prep/Circ/Cond(hol	Circ.
18-Nov-14	02:05	06:10	4.08	7385	0	RIH/POOH/Trip/Wiper Tr	POOH
18-Nov-14	06:10	07:15	1.08	0	0	MU/LD BHA	Lay down BHA
18-Nov-14	07:15	07:15	0	0	0	Run End - TART	End Run #3.
18-Nov-14	07:15	00:00	16.75	0	0	Run Csg, Cmt/Cmt Plug	Standby for casing, cement.



Job Number: 14CAS0391
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #06
Well Location: Lat: 40.55, Long: -104.906389
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD: Lopez, Eric R
Co. Man: Brandon patch

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, November, 20 2014

From: Nov-19-2014 00:00 To: Nov-20-2014 00:00

DRILLING SUMMARY				DRILLING PARAMETERS							
Start Depth	0	Rotary Hours	7.58	WOB Rot	17.38	PU	95.00	Slack Off	80.00		
End Depth	9,135	Total Circu. Hours	11.17	WOB Slid	18.00	SPP	3,533.00	Flow Rate	314.00 - 314.00		
Total Drilled	1,750	Avg. Total ROP	89.74	RAB	85.00	SPM	75.00				
Total Rotary Drilled	1,558	Avg. Rotary ROP	205.45	MUD DATA							
Total Sliding Drilled	192	Avg. Slide ROP	64.00	Type	Water Base		PV	8	SOLID	5.50	
Slide Hours	3.00	Percent Rotary	89.03%	Weight	9.30	Gas	3,300.0	YP	8	BHT°	176
Below Rotary Hrs	19.50	Percent Slide	10.97%	Viscosity	38	Sand	0.15	PH	13.5	Flow T°	98.00
				Chlorides	1,200	WL	10.40		Oil%		

PERSONNEL								CASING			
Directional Company								Size		Set Depth	
Company Man				Brandon patch				7		7,335	
MLWD - Cell Manager				Bagby, Ryan Paul				DAILY COST			
DD - Cell Manager				Lopez, Eric R				Daily Cost: \$10,750.00 Cumulative Cost: \$104,625.00 Signature:			
MLWD				Schmidt, William J							
DD				Harwood, Richard							
Incl. In	89	Azm. In	94.86	Incl. Out	88.81	Azm. Out	90.11				

BHA & COMMENTS

Drilling lateral

FORECAST NEXT 24

Drilling lateral

DD JOURNAL							
Date	Start	End	Hours	Start	End	Activity	Comment
19-Nov-14	00:00	03:00	3	0	0	Standby	CASING & CEMENT
19-Nov-14	03:00	04:30	1.5	0	120	Pick Up BHA	P/U BHA # 4
19-Nov-14	04:30	10:00	5.5	120	7300	TIH	
19-Nov-14	10:00	10:20	0.33	7300	7385	Drilling Cement	Drill Cement , Float & Shoe
19-Nov-14	10:20	10:30	0.17	7385	7398	Rotating	
19-Nov-14	10:30	10:40	0.17	7398	7398	MWD Survey & Conn.	CONN ONLY
19-Nov-14	10:40	11:50	1.17	7398	7484	Rotating	
19-Nov-14	11:50	12:00	0.17	7484	7484	MWD Survey & Conn.	
19-Nov-14	12:00	12:20	0.33	7484	7576	Rotating	
19-Nov-14	12:20	12:30	0.17	7576	7576	MWD Survey & Conn.	
19-Nov-14	12:30	12:40	0.17	7576	7584	Sliding	8' @ 210G
19-Nov-14	12:40	13:00	0.33	7584	7662	Rotating	

Run Statistics Calculated from DD Journal



Job Number: 14CAS0391
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #06
Well Location: Lat: 40.55, Long: -104.906389
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD: Lopez, Eric R
Co. Man: Brandon patch

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
19-Nov-14	13:00	13:10	0.17	7662	7662	MWD Survey & Conn.	
19-Nov-14	13:10	13:30	0.33	7662	7747	Rotating	
19-Nov-14	13:30	13:40	0.17	7747	7747	MWD Survey & Conn.	
19-Nov-14	13:40	14:00	0.33	7747	7759	Sliding	12' @ 90L
19-Nov-14	14:00	14:20	0.33	7759	7832	Rotating	
19-Nov-14	14:20	14:25	0.08	7832	7832	MWD Survey & Conn.	
19-Nov-14	14:25	14:40	0.25	7832	7847	Sliding	15' @ 90L
19-Nov-14	14:40	15:30	0.83	7847	7918	Rotating	
19-Nov-14	15:30	15:40	0.17	7918	7918	MWD Survey & Conn.	
19-Nov-14	15:40	16:00	0.33	7918	7938	Sliding	20' @ 90L
19-Nov-14	16:00	16:10	0.17	7938	7968	Rotating	
19-Nov-14	16:10	16:25	0.25	7968	7988	Sliding	20' @ 90L
19-Nov-14	16:25	16:30	0.08	7988	8003	Rotating	
19-Nov-14	16:30	16:50	0.33	8003	8003	MWD Survey & Conn.	
19-Nov-14	16:50	17:15	0.42	8003	8033	Sliding	30' @ 90L
19-Nov-14	17:15	17:20	0.08	8033	8063	Rotating	
19-Nov-14	17:20	17:45	0.42	8063	8088	Sliding	25' @ 90L
19-Nov-14	17:45	18:00	0.25	8088	8088	Rig Service-Inhole	
19-Nov-14	18:00	18:10	0.17	8088	8088	MWD Survey & Conn.	
19-Nov-14	18:10	18:35	0.42	8088	8173	Rotating	
19-Nov-14	18:35	18:40	0.08	8173	8173	MWD Survey & Conn.	
19-Nov-14	18:40	19:00	0.33	8173	8265	Rotating	
19-Nov-14	19:00	19:05	0.08	8265	8265	MWD Survey & Conn.	
19-Nov-14	19:05	19:25	0.33	8265	8357	Rotating	
19-Nov-14	19:25	19:30	0.08	8357	8357	MWD Survey & Conn.	
19-Nov-14	19:30	19:35	0.08	8357	8367	Rotating	
19-Nov-14	19:35	19:45	0.17	8367	8380	Sliding	13' @ 90L
19-Nov-14	19:45	20:00	0.25	8380	8449	Rotating	
19-Nov-14	20:00	20:05	0.08	8449	8449	MWD Survey & Conn.	
19-Nov-14	20:05	20:15	0.17	8449	8460	Rotating	
19-Nov-14	20:15	20:25	0.17	8460	8470	Sliding	10' @ 130L
19-Nov-14	20:25	20:40	0.25	8470	8541	Rotating	
19-Nov-14	20:40	20:45	0.08	8541	8541	MWD Survey & Conn.	
19-Nov-14	20:45	21:00	0.25	8541	8635	Rotating	
19-Nov-14	21:00	21:10	0.17	8635	8635	MWD Survey & Conn.	
19-Nov-14	21:10	21:15	0.08	8635	8640	Rotating	
19-Nov-14	21:15	21:30	0.25	8640	8664	Sliding	24' @ 90L
19-Nov-14	21:30	21:40	0.17	8664	8728	Rotating	
19-Nov-14	21:40	21:50	0.17	8728	8728	MWD Survey & Conn.	
19-Nov-14	21:50	22:05	0.25	8728	8823	Rotating	
19-Nov-14	22:05	22:10	0.08	8823	8823	MWD Survey & Conn.	
19-Nov-14	22:10	22:30	0.33	8823	8916	Rotating	

Run Statistics Calculated from DD Journal



Job Number: 14CAS0391
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #06
Well Location: Lat: 40.55, Long: -104.906389
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD: Lopez, Eric R
Co. Man: Brandon patch

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
19-Nov-14	22:30	22:40	0.17	8916	8916	MWD Survey & Conn.	
19-Nov-14	22:40	23:00	0.33	8916	9011	Rotating	
19-Nov-14	23:00	23:05	0.08	9011	9011	MWD Survey & Conn.	
19-Nov-14	23:05	23:15	0.17	9011	9020	Rotating	
19-Nov-14	23:15	23:30	0.25	9020	9035	Sliding	15' @ 70L
19-Nov-14	23:30	23:45	0.25	9035	9106	Rotating	
19-Nov-14	23:45	23:55	0.17	9106	9106	MWD Survey & Conn.	
19-Nov-14	23:55	00:00	0.08	9106	9135	Rotating	
MWD JOURNAL							
Date	Start	End	Hours	Start	End	Activity	Comment
19-Nov-14	00:00	03:00	3	0	0	Run Csg, Cmt/Cmt Plug	Standby for casing, cement.
19-Nov-14	03:00	04:30	1.5	0	0	MU/LD BHA/DP	PU BHA
19-Nov-14	04:30	04:30	0	0	0	Run Start - TBRT	Begin run #4
19-Nov-14	04:30	05:15	0.75	0	135	RIH/POOH/Trip/Wiper Tr	TIH
19-Nov-14	05:15	05:25	0.17	135	135	Shallow hole test	SHT
19-Nov-14	05:25	07:45	2.33	135	3654	RIH/POOH/Trip/Wiper Tr	TIH
19-Nov-14	07:45	07:50	0.08	3654	3654	Shallow hole test	SHT W/ Agitator
19-Nov-14	07:50	09:55	2.08	3654	7277	RIH/POOH/Trip/Wiper Tr	TIH
19-Nov-14	09:55	10:25	0.5	7277	7385	Drilling - Whipstock, Ce	Drilling Cement
19-Nov-14	10:25	11:50	1.42	7385	7490	Drilling	Rot
19-Nov-14	11:50	11:55	0.08	7490	7490	Surveying	C/S
19-Nov-14	11:55	12:25	0.5	7490	7576	Drilling	Rot
19-Nov-14	12:25	12:30	0.08	7576	7576	Surveying	C/S
19-Nov-14	12:30	12:40	0.17	7576	7584	Drilling	slide
19-Nov-14	12:40	13:05	0.42	7584	7660	Drilling	rot
19-Nov-14	13:05	13:10	0.08	7660	7660	Surveying	C/S
19-Nov-14	13:10	13:30	0.33	7660	7746	Drilling	Rot
19-Nov-14	13:30	13:35	0.08	7746	7746	Surveying	c/s
19-Nov-14	13:35	14:00	0.42	7746	7758	Drilling	Slide
19-Nov-14	14:00	14:20	0.33	7758	7831	Drilling	rot
19-Nov-14	14:20	14:25	0.08	7831	7831	Surveying	C/S
19-Nov-14	14:25	14:40	0.25	7831	7847	Drilling	slide
19-Nov-14	14:40	15:30	0.83	7847	7917	Drilling	Rot
19-Nov-14	15:30	15:35	0.08	7917	7917	Surveying	C/S
19-Nov-14	15:35	16:00	0.42	7917	7933	Drilling	Slide
19-Nov-14	16:00	16:10	0.17	7933	7968	Drilling	Rot
19-Nov-14	16:10	16:25	0.25	7968	7988	Drilling	Slide
19-Nov-14	16:25	16:35	0.17	7988	8002	Drilling	Rot
19-Nov-14	16:35	16:50	0.25	8002	8002	Surveying	C/S, reshot survey.
19-Nov-14	16:50	17:15	0.42	8002	8033	Drilling	Slide
19-Nov-14	17:15	17:25	0.17	8033	8061	Drilling	Rot
19-Nov-14	17:25	17:45	0.33	8061	8087	Drilling	Slide

Run Statistics Calculated from DD Journal



Job Number: 14CAS0391
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #06
Well Location: Lat: 40.55, Long: -104.906389
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD: Lopez, Eric R
Co. Man: Brandon patch

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

19-Nov-14	17:45	18:00	0.25	8087	8087	Lubricate rig / Service	Rig service
19-Nov-14	18:00	18:10	0.17	8087	8087	Surveying	C/S
19-Nov-14	18:10	18:35	0.42	8087	8173	Drilling	Rot
19-Nov-14	18:35	18:40	0.08	8173	8173	Surveying	C/S
19-Nov-14	18:40	19:00	0.33	8173	8266	Drilling	Rot
19-Nov-14	19:00	19:05	0.08	8266	8266	Surveying	C/S
19-Nov-14	19:05	19:20	0.25	8266	8359	Drilling	Rot
19-Nov-14	19:20	19:25	0.08	8359	8359	Surveying	C/S
19-Nov-14	19:25	19:30	0.08	8359	8367	Drilling	Rot
19-Nov-14	19:30	19:50	0.33	8367	8381	Drilling	Slide
19-Nov-14	19:50	20:00	0.17	8381	8452	Drilling	Rot
19-Nov-14	20:00	20:05	0.08	8452	8452	Surveying	C/S
19-Nov-14	20:05	20:15	0.17	8452	8460	Drilling	Rot
19-Nov-14	20:15	20:25	0.17	8460	8470	Drilling	Slide
19-Nov-14	20:25	20:35	0.17	8470	8543	Drilling	Rot
19-Nov-14	20:35	20:40	0.08	8543	8543	Surveying	C/S
19-Nov-14	20:40	21:00	0.33	8543	8635	Drilling	Rot
19-Nov-14	21:00	21:05	0.08	8635	8635	Surveying	C/S
19-Nov-14	21:05	21:15	0.17	8635	8640	Drilling	Rot
19-Nov-14	21:15	21:30	0.25	8640	8665	Drilling	Slide
19-Nov-14	21:30	21:40	0.17	8665	8728	Drilling	Rot
19-Nov-14	21:40	21:45	0.08	8728	8728	Surveying	C/S
19-Nov-14	21:45	22:05	0.33	8728	8821	Drilling	Rot
19-Nov-14	22:05	22:10	0.08	8821	8821	Surveying	C/S
19-Nov-14	22:10	22:35	0.42	8821	8913	Drilling	Rot
19-Nov-14	22:35	22:40	0.08	8913	8913	Surveying	C/S
19-Nov-14	22:40	23:00	0.33	8913	9004	Drilling	Rot
19-Nov-14	23:00	23:05	0.08	9004	9004	Surveying	C/S
19-Nov-14	23:05	23:15	0.17	9004	9020	Drilling	Rot
19-Nov-14	23:15	23:30	0.25	9020	9035	Drilling	Slide
19-Nov-14	23:30	23:45	0.25	9035	9101	Drilling	Rot
19-Nov-14	23:45	23:50	0.08	9101	9101	Surveying	C/S
19-Nov-14	23:50	00:00	0.17	9101	9135	Drilling	Rot



Job Number: 14CAS0391
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #06
Well Location: Lat: 40.55, Long: -104.906389
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD: Lopez, Eric R
Co. Man: Brandon patch

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, November, 21 2014

From: Nov-20-2014 00:00 To: Nov-21-2014 00:00

DRILLING SUMMARY								DRILLING PARAMETERS										
Start Depth		9,135		Rotary Hours		12.25		WOB Rot		19.29		PU	127.34		Slack Off		81.03	
End Depth		12,777		Total Circu. Hours		18.25		WOB Slid		32.87		SPP	3,533.00		Flow Rate		314.00 - 314.00	
Total Drilled		3,642		Avg. Total ROP		151.75		RAB		97.81		SPM	75.00					
Total Rotary Drilled		3,285		Avg. Rotary ROP		268.16		MUD DATA										
Total Sliding Drilled		357		Avg. Slide ROP		77.89		Type					PV			SOLID		
Slide Hours		4.58		Percent Rotary		90.2%		Weight			Gas			YP			BHT°	176
Below Rotary Hrs		24.00		Percent Slide		9.8%		Viscosity			Sand			PH			Flow T°	
								Chlorides		WL					Oil%			
PERSONNEL								CASING										
Directional Company								Size				Set Depth						
Company Man				Brandon patch				7				7,335						
MLWD - Cell Manager				Bagby, Ryan Paul				DAILY COST										
DD - Cell Manager				Lopez, Eric R				Daily Cost: \$10,750.00 Cumulative Cost: \$115,375.00 Signature:										
MLWD				Schmidt, William J														
DD				Johnson, Jake Reed														
Incl. In	89	Azm. In	94.86	Incl. Out	88.81	Azm. Out	90.11											
BHA & COMMENTS																		
Drilling lateral																		
FORECAST NEXT 24																		
Drilling lateral																		
DD JOURNAL																		
Date		Start	End	Hours	Start	End	Activity			Comment								
20-Nov-14		00:00	00:15	0.25	9135	9201	Rotating											
20-Nov-14		00:15	00:30	0.25	9201	9201	Rig Service-Inhole											
20-Nov-14		00:30	00:35	0.08	9201	9201	MWD Survey & Conn.											
20-Nov-14		00:35	00:40	0.08	9201	9211	Rotating											
20-Nov-14		00:40	00:50	0.17	9211	9219	Sliding			8' @ 150L								
20-Nov-14		00:50	01:05	0.25	9219	9295	Rotating											
20-Nov-14		01:05	01:15	0.17	9295	9295	MWD Survey & Conn.											
20-Nov-14		01:15	01:35	0.33	9295	9388	Rotating											
20-Nov-14		01:35	01:40	0.08	9388	9388	MWD Survey & Conn.											
20-Nov-14		01:40	02:00	0.33	9388	9482	Rotating											
20-Nov-14		02:00	02:05	0.08	9482	9482	MWD Survey & Conn.											
20-Nov-14		02:05	02:30	0.42	9482	9575	Rotating											

Run Statistics Calculated from DD Journal



Job Number: 14CAS0391
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #06
Well Location: Lat: 40.55, Long: -104.906389
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD: Lopez, Eric R
Co. Man: Brandon patch

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
20-Nov-14	02:30	02:40	0.17	9575	9575	MWD Survey & Conn.	
20-Nov-14	02:40	02:55	0.25	9575	9668	Rotating	
20-Nov-14	02:55	03:00	0.08	9668	9668	MWD Survey & Conn.	
20-Nov-14	03:00	03:20	0.33	9668	9760	Rotating	
20-Nov-14	03:20	03:30	0.17	9760	9760	MWD Survey & Conn.	
20-Nov-14	03:30	03:50	0.33	9760	9854	Rotating	
20-Nov-14	03:50	03:55	0.08	9854	9854	MWD Survey & Conn.	
20-Nov-14	03:55	04:15	0.33	9854	9947	Rotating	
20-Nov-14	04:15	04:20	0.08	9947	9947	MWD Survey & Conn.	
20-Nov-14	04:20	04:40	0.33	9947	10039	Rotating	
20-Nov-14	04:40	04:50	0.17	10039	10039	MWD Survey & Conn.	
20-Nov-14	04:50	05:10	0.33	10039	10131	Rotating	
20-Nov-14	05:10	05:15	0.08	10131	10131	MWD Survey & Conn.	
20-Nov-14	05:15	05:35	0.33	10131	10223	Rotating	
20-Nov-14	05:35	05:45	0.17	10223	10223	MWD Survey & Conn.	
20-Nov-14	05:45	06:10	0.42	10223	10315	Rotating	
20-Nov-14	06:10	06:15	0.08	10315	10315	MWD Survey & Conn.	
20-Nov-14	06:15	06:35	0.33	10315	10405	Rotating	
20-Nov-14	06:35	06:45	0.17	10405	10405	MWD Survey & Conn.	
20-Nov-14	06:45	06:55	0.17	10405	10420	Sliding	15'@135R
20-Nov-14	06:55	07:15	0.33	10420	10497	Rotating	
20-Nov-14	07:15	07:25	0.17	10497	10497	MWD Survey & Conn.	
20-Nov-14	07:25	07:35	0.17	10497	10522	Sliding	
20-Nov-14	07:35	07:50	0.25	10522	10591	Rotating	
20-Nov-14	07:50	08:00	0.17	10591	10591	MWD Survey & Conn.	
20-Nov-14	08:00	08:20	0.33	10591	10623	Sliding	32'@150R
20-Nov-14	08:20	08:30	0.17	10623	10683	Rotating	
20-Nov-14	08:30	08:40	0.17	10683	10683	MWD Survey & Conn.	
20-Nov-14	08:40	08:55	0.25	10683	10708	Sliding	25'@180G
20-Nov-14	08:55	09:05	0.17	10708	10738	Rotating	
20-Nov-14	09:05	09:35	0.5	10738	10776	Sliding	36'@165R
20-Nov-14	09:35	09:40	0.08	10776	10776	MWD Survey & Conn.	
20-Nov-14	09:40	10:05	0.42	10776	10869	Rotating	
20-Nov-14	10:05	10:20	0.25	10869	10869	MWD Survey & Conn.	
20-Nov-14	10:20	10:40	0.33	10869	10914	Sliding	45'@210L
20-Nov-14	10:40	10:50	0.17	10914	10959	Rotating	
20-Nov-14	10:50	11:00	0.17	10959	10959	MWD Survey & Conn.	
20-Nov-14	11:00	11:15	0.25	10959	11053	Rotating	
20-Nov-14	11:15	11:25	0.17	11053	11053	MWD Survey & Conn.	
20-Nov-14	11:25	11:40	0.25	11053	11145	Rotating	
20-Nov-14	11:40	11:50	0.17	11145	11145	MWD Survey & Conn.	
20-Nov-14	11:50	12:10	0.33	11145	11175	Sliding	30"@330L

Run Statistics Calculated from DD Journal



Job Number: 14CAS0391
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #06
Well Location: Lat: 40.55, Long: -104.906389
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD: Lopez, Eric R
Co. Man: Brandon patch

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
20-Nov-14	12:10	12:20	0.17	11175	11236	Rotating	
20-Nov-14	12:20	12:30	0.17	11236	11236	MWD Survey & Conn.	
20-Nov-14	12:30	12:55	0.42	11236	11266	Sliding	30'@33L
20-Nov-14	12:55	13:05	0.17	11266	11329	Rotating	
20-Nov-14	13:05	13:20	0.25	11329	11329	MWD Survey & Conn.	
20-Nov-14	13:20	13:35	0.25	11329	11421	Rotating	
20-Nov-14	13:35	13:55	0.33	11421	11421	MWD Survey & Conn.	
20-Nov-14	13:55	14:35	0.67	11421	11421	Rig Repair - Inhole	
20-Nov-14	14:35	15:00	0.42	11421	11516	Rotating	
20-Nov-14	15:00	15:05	0.08	11516	11516	MWD Survey & Conn.	
20-Nov-14	15:05	15:20	0.25	11516	11613	Rotating	
20-Nov-14	15:20	15:30	0.17	11613	11613	MWD Survey & Conn.	
20-Nov-14	15:30	15:50	0.33	11613	11706	Rotating	
20-Nov-14	15:50	15:55	0.08	11706	11706	MWD Survey & Conn.	
20-Nov-14	15:55	16:20	0.42	11706	11732	Sliding	26'@330L
20-Nov-14	16:20	16:40	0.33	11732	11798	Rotating	
20-Nov-14	16:40	17:10	0.5	11798	11798	Rig Repair - Inhole	
20-Nov-14	17:10	17:15	0.08	11798	11798	MWD Survey & Conn.	
20-Nov-14	17:15	17:35	0.33	11798	11828	Sliding	30' @ 90L
20-Nov-14	17:35	17:55	0.33	11828	11884	Rotating	
20-Nov-14	17:55	18:00	0.08	11884	11884	MWD Survey & Conn.	
20-Nov-14	18:00	18:05	0.08	11884	11894	Rotating	
20-Nov-14	18:05	18:35	0.5	11894	11917	Sliding	23' @ 90L
20-Nov-14	18:35	18:50	0.25	11917	11969	Rotating	
20-Nov-14	18:50	19:00	0.17	11969	11969	MWD Survey & Conn.	
20-Nov-14	19:00	19:25	0.42	11969	12054	Rotating	
20-Nov-14	19:25	19:35	0.17	12054	12054	MWD Survey & Conn.	
20-Nov-14	19:35	19:55	0.33	12054	12139	Rotating	
20-Nov-14	19:55	20:05	0.17	12139	12139	MWD Survey & Conn.	
20-Nov-14	20:05	20:15	0.17	12139	12224	Rotating	
20-Nov-14	20:15	20:25	0.17	12224	12224	MWD Survey & Conn.	
20-Nov-14	20:25	20:30	0.08	12224	12234	Rotating	
20-Nov-14	20:30	20:40	0.17	12234	12246	Sliding	12' @ 130L
20-Nov-14	20:40	21:00	0.33	12246	12309	Rotating	
20-Nov-14	21:00	21:05	0.08	12309	12309	MWD Survey & Conn.	
20-Nov-14	21:05	21:10	0.08	12309	12315	Rotating	
20-Nov-14	21:10	21:20	0.17	12315	12321	Sliding	6' @ 180
20-Nov-14	21:20	21:40	0.33	12321	12394	Rotating	
20-Nov-14	21:40	21:50	0.17	12394	12394	MWD Survey & Conn.	
20-Nov-14	21:50	22:00	0.17	12394	12480	Rotating	
20-Nov-14	22:00	22:10	0.17	12480	12480	MWD Survey & Conn.	
20-Nov-14	22:10	22:30	0.33	12480	12568	Rotating	

Run Statistics Calculated from DD Journal



Job Number: 14CAS0391
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #06
Well Location: Lat: 40.55, Long: -104.906389
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD: Lopez, Eric R
Co. Man: Brandon patch

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
20-Nov-14	22:30	22:35	0.08	12568	12568	MWD Survey & Conn.	
20-Nov-14	22:35	22:50	0.25	12568	12657	Rotating	
20-Nov-14	22:50	23:00	0.17	12657	12657	MWD Survey & Conn.	
20-Nov-14	23:00	23:15	0.25	12657	12743	Rotating	
20-Nov-14	23:15	23:25	0.17	12743	12743	MWD Survey & Conn.	
20-Nov-14	23:25	23:30	0.08	12743	12753	Rotating	
20-Nov-14	23:30	23:50	0.33	12753	12765	Sliding	12' @ 30R
20-Nov-14	23:50	00:00	0.17	12765	12777	Rotating	
MWD JOURNAL							
Date	Start	End	Hours	Start	End	Activity	Comment
20-Nov-14	00:00	00:15	0.25	9135	9201	Drilling	Rot
20-Nov-14	00:15	00:30	0.25	9201	9201	Lubricate rig / Service	Rig service.
20-Nov-14	00:30	00:35	0.08	9201	9201	Surveying	C/S
20-Nov-14	00:35	00:40	0.08	9201	9209	Drilling	Rot
20-Nov-14	00:40	00:50	0.17	9209	9217	Drilling	Slide
20-Nov-14	00:50	01:30	0.67	9217	9388	Drilling	Rot
20-Nov-14	01:30	01:35	0.08	9388	9388	Surveying	C/S
20-Nov-14	01:35	02:00	0.42	9388	9479	Drilling	Rot
20-Nov-14	02:00	02:05	0.08	9479	9479	Surveying	C/S
20-Nov-14	02:05	02:30	0.42	9479	9572	Drilling	Rot
20-Nov-14	02:30	02:35	0.08	9572	9572	Surveying	C/S
20-Nov-14	02:35	02:55	0.33	9572	9667	Drilling	Rot
20-Nov-14	02:55	03:00	0.08	9667	9667	Surveying	C/S
20-Nov-14	03:00	03:20	0.33	9667	9761	Drilling	Rot
20-Nov-14	03:20	03:25	0.08	9761	9761	Surveying	C/S
20-Nov-14	03:25	03:45	0.33	9761	9853	Drilling	Rot
20-Nov-14	03:45	03:50	0.08	9853	9853	Surveying	C/S
20-Nov-14	03:50	04:10	0.33	9853	9945	Drilling	Rot
20-Nov-14	04:10	04:15	0.08	9945	9945	Surveying	C/S
20-Nov-14	04:15	04:40	0.42	9945	10038	Drilling	Rot
20-Nov-14	04:40	04:45	0.08	10038	10038	Surveying	C/S
20-Nov-14	04:45	05:05	0.33	10038	10131	Drilling	Rot
20-Nov-14	05:05	05:10	0.08	10131	10131	Surveying	C/S
20-Nov-14	05:10	05:35	0.42	10131	10226	Drilling	Rot
20-Nov-14	05:35	05:40	0.08	10226	10226	Surveying	C/S
20-Nov-14	05:40	06:10	0.5	10226	10319	Drilling	Rot
20-Nov-14	06:10	06:15	0.08	10319	10319	Surveying	C/S
20-Nov-14	06:15	06:40	0.42	10319	10411	Drilling	Rot
20-Nov-14	06:40	06:45	0.08	10411	10411	Surveying	C/S
20-Nov-14	06:45	06:55	0.17	10411	10420	Drilling	Slide
20-Nov-14	06:55	07:15	0.33	10420	10506	Drilling	Rot
20-Nov-14	07:15	07:20	0.08	10506	10506	Surveying	C/S

Run Statistics Calculated from DD Journal



Job Number: 14CAS0391
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #06
Well Location: Lat: 40.55, Long: -104.906389
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD: Lopez, Eric R
Co. Man: Brandon patch

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

20-Nov-14	07:20	07:40	0.33	10506	10515	Drilling	Slide
20-Nov-14	07:40	07:55	0.25	10515	10600	Drilling	rot
20-Nov-14	07:55	08:00	0.08	10600	10600	Surveying	C/S
20-Nov-14	08:00	08:20	0.33	10600	10623	Drilling	slide
20-Nov-14	08:20	08:30	0.17	10623	10693	Drilling	rot
20-Nov-14	08:30	08:40	0.17	10693	10693	Surveying	C/S
20-Nov-14	08:40	09:00	0.33	10693	10708	Drilling	slide
20-Nov-14	09:00	09:05	0.08	10708	10738	Drilling	rot
20-Nov-14	09:05	09:35	0.5	10738	10774	Drilling	slide
20-Nov-14	09:35	09:45	0.17	10774	10774	Surveying	C/S
20-Nov-14	09:45	10:05	0.33	10774	10866	Drilling	rot
20-Nov-14	10:05	10:15	0.17	10866	10866	Surveying	C/S
20-Nov-14	10:15	10:40	0.42	10866	10914	Drilling	slide
20-Nov-14	10:40	10:50	0.17	10914	10958	Drilling	rot
20-Nov-14	10:50	10:55	0.08	10958	10958	Surveying	C/S
20-Nov-14	10:55	11:40	0.75	10958	11145	Drilling	rot
20-Nov-14	11:40	11:45	0.08	11145	11145	Surveying	c/s
20-Nov-14	11:45	12:10	0.42	11145	11175	Drilling	Slide
20-Nov-14	12:10	12:20	0.17	11175	11238	Drilling	rot
20-Nov-14	12:20	12:30	0.17	11238	11238	Surveying	C/S
20-Nov-14	12:30	12:55	0.42	11238	11271	Drilling	Slide
20-Nov-14	12:55	13:15	0.33	11271	11331	Drilling	rot
20-Nov-14	13:15	13:20	0.08	11331	11331	Surveying	C/S
20-Nov-14	13:20	13:35	0.25	11331	11424	Drilling	rot
20-Nov-14	13:35	13:50	0.25	11424	11424	Surveying	C/S
20-Nov-14	13:50	14:15	0.42	11424	11424	Mud Prep/Circ/Cond(hol	Circulating
20-Nov-14	14:15	14:40	0.42	11424	11424	Top Drive/Rot Table Rep	Top Drive repair
20-Nov-14	14:40	14:55	0.25	11424	11517	Drilling	rot
20-Nov-14	14:55	15:05	0.17	11517	11517	Surveying	C/S
20-Nov-14	15:05	15:25	0.33	11517	11610	Drilling	rot
20-Nov-14	15:25	15:30	0.08	11610	11610	Surveying	C/S
20-Nov-14	15:30	15:50	0.33	11610	11703	Drilling	rot
20-Nov-14	15:50	15:55	0.08	11703	11703	Surveying	C/S
20-Nov-14	15:55	16:20	0.42	11703	11732	Drilling	slide
20-Nov-14	16:20	16:50	0.5	11732	11797	Drilling	rot
20-Nov-14	16:50	17:15	0.42	11797	11797	Surveying	C/S--switch out washed out drill pipe
20-Nov-14	17:15	17:35	0.33	11797	11828	Drilling	slide
20-Nov-14	17:35	17:50	0.25	11828	11884	Drilling	rot
20-Nov-14	17:50	18:00	0.17	11884	11884	Surveying	c/s
20-Nov-14	18:00	18:05	0.08	11884	11894	Drilling	Rot
20-Nov-14	18:05	18:35	0.5	11894	11917	Drilling	Slide
20-Nov-14	18:35	18:50	0.25	11917	11969	Drilling	Rot
20-Nov-14	18:50	18:55	0.08	11969	11969	Surveying	C/S
20-Nov-14	18:55	19:25	0.5	11969	12054	Drilling	Rot

Run Statistics Calculated from DD Journal



Job Number: 14CAS0391

Company Name: EXTRACTION OIL & GAS LLC

Rig Name: XTREME COIL DRLG/HOU #7

Well Name: Nelson Farm #06

Well Location: Lat: 40.55, Long: -104.906389

Well State: Colorado

Well County: Weld

Well Field: Wattenberg

Well Country:

Lead DD: Lopez, Eric R

Co. Man: Brandon patch

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

20-Nov-14	19:25	19:35	0.17	12054	12054	Surveying	C/S
20-Nov-14	19:35	19:50	0.25	12054	12139	Drilling	Rot
20-Nov-14	19:50	19:55	0.08	12139	12139	Surveying	C/S
20-Nov-14	19:55	20:15	0.33	12139	12225	Drilling	Rot
20-Nov-14	20:15	20:20	0.08	12225	12225	Surveying	C/S
20-Nov-14	20:20	20:25	0.08	12225	12235	Drilling	Rot
20-Nov-14	20:25	20:40	0.25	12235	12246	Drilling	Slide
20-Nov-14	20:40	20:55	0.25	12246	12312	Drilling	Rot
20-Nov-14	20:55	21:00	0.08	12312	12312	Surveying	C/S
20-Nov-14	21:00	21:05	0.08	12312	12315	Drilling	Rot
20-Nov-14	21:05	21:20	0.25	12315	12321	Drilling	Slide
20-Nov-14	21:20	21:35	0.25	12321	12393	Drilling	Rot
20-Nov-14	21:35	21:40	0.08	12393	12393	Surveying	C/S
20-Nov-14	21:40	22:00	0.33	12393	12480	Drilling	Rot
20-Nov-14	22:00	22:05	0.08	12480	12480	Surveying	C/S
20-Nov-14	22:05	22:25	0.33	12480	12567	Drilling	Rot
20-Nov-14	22:25	22:30	0.08	12567	12567	Surveying	C/S
20-Nov-14	22:30	22:50	0.33	12567	12656	Drilling	Rot
20-Nov-14	22:50	22:55	0.08	12656	12656	Surveying	C/S
20-Nov-14	22:55	23:10	0.25	12656	12742	Drilling	Rot
20-Nov-14	23:10	23:15	0.08	12742	12742	Surveying	C/S
20-Nov-14	23:15	23:20	0.08	12742	12752	Drilling	Rot
20-Nov-14	23:20	23:55	0.58	12752	12764	Drilling	Slide
20-Nov-14	23:55	00:00	0.08	12764	12777	Drilling	Rot



Job Number: 14CAS0391
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #06
Well Location: Lat: 40.55, Long: -104.906389
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD: Lopez, Eric R
Co. Man: Brandon patch

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, November, 22 2014

From: Nov-21-2014 00:00 To: Nov-22-2014 00:00

DRILLING SUMMARY								DRILLING PARAMETERS													
Start Depth		12,777		Rotary Hours		7.58		WOB Rot		22.50		PU		155.00		Slack Off		76.00			
End Depth		14,575		Total Circu. Hours		13.25		WOB Slid		40.00		SPP		3,533.00		Flow Rate		314.00 - 314.00			
Total Drilled		1,798		Avg. Total ROP		74.92		RAB		110.00		SPM		75.00							
Total Rotary Drilled		1,652		Avg. Rotary ROP		217.85		MUD DATA													
Total Sliding Drilled		146		Avg. Slide ROP		40.74		Type						PV				SOLID			
Slide Hours		3.58		Percent Rotary		91.88%		Weight				Gas				YP				BHT° 176	
Below Rotary Hrs		24.00		Percent Slide		8.12%		Viscosity				Sand				PH				Flow T°	
								Chlorides				WL						Oil%			
PERSONNEL								CASING													
Directional Company								Size				Set Depth									
Company Man				Brandon patch				7				7,335									
MLWD - Cell Manager				Bagby, Ryan Paul				DAILY COST													
DD - Cell Manager				Lopez, Eric R				Daily Cost: \$10,750.00 Cumulative Cost: \$126,125.00 Signature:													
MLWD				Schmidt, William J																	
DD				Johnson, Jake Reed																	
Incl. In	89	Azm. In	94.86	Incl. Out	88.81	Azm. Out	90.11														
BHA & COMMENTS																					
Run casing, cement.																					
FORECAST NEXT 24																					
Standby for rig skid																					
DD JOURNAL																					
Date		Start		End		Hours		Start		End		Activity				Comment					
21-Nov-14		00:00		00:15		0.25		12777		12828		Rotating									
21-Nov-14		00:15		00:20		0.08		12828		12828		MWD Survey & Conn.									
21-Nov-14		00:20		00:25		0.08		12828		12837		Rotating									
21-Nov-14		00:25		00:35		0.17		12837		12845		Sliding				8' @ 30R					
21-Nov-14		00:35		00:55		0.33		12845		12913		Rotating									
21-Nov-14		00:55		01:00		0.08		12913		12913		MWD Survey & Conn.									
21-Nov-14		01:00		01:20		0.33		12913		13002		Rotating									
21-Nov-14		01:20		01:25		0.08		13002		13002		MWD Survey & Conn.									
21-Nov-14		01:25		01:40		0.25		13002		13089		Rotating									
21-Nov-14		01:40		01:50		0.17		13089		13089		MWD Survey & Conn.									
21-Nov-14		01:50		01:55		0.08		13089		13097		Rotating									
21-Nov-14		01:55		02:10		0.25		13097		13105		Sliding				8' @ 150L					

Run Statistics Calculated from DD Journal



Job Number: 14CAS0391
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #06
Well Location: Lat: 40.55, Long: -104.906389
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD: Lopez, Eric R
Co. Man: Brandon patch

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
21-Nov-14	02:10	02:30	0.33	13105	13172	Rotating	
21-Nov-14	02:30	02:35	0.08	13172	13172	MWD Survey & Conn.	
21-Nov-14	02:35	02:55	0.33	13172	13261	Rotating	
21-Nov-14	02:55	03:05	0.17	13261	13261	MWD Survey & Conn.	
21-Nov-14	03:05	03:10	0.08	13261	13270	Rotating	
21-Nov-14	03:10	03:30	0.33	13270	13280	Sliding	10' @ 150L
21-Nov-14	03:30	03:45	0.25	13280	13347	Rotating	
21-Nov-14	03:45	03:50	0.08	13347	13347	MWD Survey & Conn.	
21-Nov-14	03:50	04:10	0.33	13347	13432	Rotating	
21-Nov-14	04:10	04:15	0.08	13432	13432	MWD Survey & Conn.	
21-Nov-14	04:15	04:35	0.33	13432	13517	Rotating	
21-Nov-14	04:35	04:40	0.08	13517	13517	MWD Survey & Conn.	
21-Nov-14	04:40	05:00	0.33	13517	13602	Rotating	
21-Nov-14	05:00	05:10	0.17	13602	13602	MWD Survey & Conn.	
21-Nov-14	05:10	05:30	0.33	13602	13687	Rotating	
21-Nov-14	05:30	06:00	0.5	13687	13687	Rig Service-Inhole	
21-Nov-14	06:00	06:10	0.17	13687	13687	MWD Survey & Conn.	
21-Nov-14	06:10	06:35	0.42	13687	13772	Rotating	
21-Nov-14	06:35	06:50	0.25	13772	13772	MWD Survey & Conn.	
21-Nov-14	06:50	07:10	0.33	13772	13857	Rotating	
21-Nov-14	07:10	07:25	0.25	13857	13857	MWD Survey & Conn.	
21-Nov-14	07:25	07:30	0.08	13857	13867	Rotating	
21-Nov-14	07:30	08:30	1	13867	13902	Sliding	35'@180G
21-Nov-14	08:30	08:40	0.17	13902	13942	Rotating	
21-Nov-14	08:40	08:50	0.17	13942	13942	MWD Survey & Conn.	
21-Nov-14	08:50	09:10	0.33	13942	13952	Rotating	
21-Nov-14	09:10	10:00	0.83	13952	13987	Sliding	35'@230L
21-Nov-14	10:00	10:15	0.25	13987	14028	Rotating	
21-Nov-14	10:15	10:25	0.17	14028	14028	MWD Survey & Conn.	
21-Nov-14	10:25	10:30	0.08	14028	14038	Rotating	
21-Nov-14	10:30	11:05	0.58	14038	14063	Sliding	25'@230L
21-Nov-14	11:05	11:15	0.17	14063	14087	Rotating	
21-Nov-14	11:15	11:40	0.42	14087	14112	Sliding	25'@230L
21-Nov-14	11:40	11:50	0.17	14112	14112	MWD Survey & Conn.	
21-Nov-14	11:50	12:10	0.33	14112	14195	Rotating	
21-Nov-14	12:10	12:20	0.17	14195	14195	MWD Survey & Conn.	
21-Nov-14	12:20	12:35	0.25	14195	14282	Rotating	
21-Nov-14	12:35	12:45	0.17	14282	14282	MWD Survey & Conn.	
21-Nov-14	12:45	13:15	0.5	14282	14365	Rotating	
21-Nov-14	13:15	13:25	0.17	14365	14365	MWD Survey & Conn.	
21-Nov-14	13:25	13:50	0.42	14365	14453	Rotating	
21-Nov-14	13:50	14:00	0.17	14453	14453	MWD Survey & Conn.	

Run Statistics Calculated from DD Journal



Job Number: 14CAS0391
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #06
Well Location: Lat: 40.55, Long: -104.906389
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD: Lopez, Eric R
Co. Man: Brandon patch

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
21-Nov-14	14:00	14:30	0.5	14453	14538	Rotating	
21-Nov-14	14:30	14:40	0.17	14538	14538	MWD Survey & Conn.	
21-Nov-14	14:40	14:45	0.08	14538	14575	Rotating	
21-Nov-14	14:45	14:55	0.17	14575	14575	MWD Survey	
21-Nov-14	14:55	15:20	0.42	14575	14575	Circulating	Circ f/ short trip
21-Nov-14	15:20	23:00	7.67	14575	7000	Short Trip	
21-Nov-14	23:00	00:00	1	7000	14575	Circulating	Circ f/ POOH
MWD JOURNAL							
Date	Start	End	Hours	Start	End	Activity	Comment
21-Nov-14	00:00	00:10	0.17	12777	12828	Drilling	Rot
21-Nov-14	00:10	00:15	0.08	12828	12828	Surveying	C/S
21-Nov-14	00:15	00:25	0.17	12828	12837	Drilling	Rot
21-Nov-14	00:25	00:40	0.25	12837	12846	Drilling	Slide
21-Nov-14	00:40	00:50	0.17	12846	12912	Drilling	Rot
21-Nov-14	00:50	00:55	0.08	12912	12912	Surveying	C/S
21-Nov-14	00:55	01:15	0.33	12912	12997	Drilling	Rot
21-Nov-14	01:15	01:20	0.08	12997	12997	Surveying	C/S
21-Nov-14	01:20	01:45	0.42	12997	13087	Drilling	Rot
21-Nov-14	01:45	01:50	0.08	13087	13087	Surveying	C/S
21-Nov-14	01:50	01:55	0.08	13087	13097	Drilling	Rot
21-Nov-14	01:55	02:15	0.33	13097	13106	Drilling	Slide
21-Nov-14	02:15	02:25	0.17	13106	13172	Drilling	Rot
21-Nov-14	02:25	02:30	0.08	13172	13172	Surveying	C/S
21-Nov-14	02:30	02:50	0.33	13172	13260	Drilling	Rot
21-Nov-14	02:50	03:00	0.17	13260	13260	Surveying	C/S
21-Nov-14	03:00	03:05	0.08	13260	13270	Drilling	Rot
21-Nov-14	03:05	03:35	0.5	13270	13281	Drilling	Slide
21-Nov-14	03:35	03:45	0.17	13281	13349	Drilling	Rot
21-Nov-14	03:45	03:50	0.08	13349	13349	Surveying	C/S
21-Nov-14	03:50	04:10	0.33	13349	13434	Drilling	Rot
21-Nov-14	04:10	04:15	0.08	13434	13434	Surveying	C/S
21-Nov-14	04:15	04:30	0.25	13434	13517	Drilling	Rot
21-Nov-14	04:30	04:35	0.08	13517	13517	Surveying	C/S
21-Nov-14	04:35	04:55	0.33	13517	13601	Drilling	Rot
21-Nov-14	04:55	05:05	0.17	13601	13601	Surveying	C/S
21-Nov-14	05:05	05:25	0.33	13601	13687	Drilling	Rot
21-Nov-14	05:25	06:05	0.67	13687	13687	Lubricate rig / Service	Rig service
21-Nov-14	06:05	06:10	0.08	13687	13687	Surveying	c/s
21-Nov-14	06:10	06:40	0.5	13687	13772	Drilling	rot
21-Nov-14	06:40	06:50	0.17	13772	13772	Surveying	C/S
21-Nov-14	06:50	07:05	0.25	13772	13857	Drilling	Rot
21-Nov-14	07:05	07:20	0.25	13857	13857	Surveying	C/S

Run Statistics Calculated from DD Journal



Job Number: 14CAS0391
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #06
Well Location: Lat: 40.55, Long: -104.906389
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD: Lopez, Eric R
Co. Man: Brandon patch

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

21-Nov-14	07:20	07:30	0.17	13857	13867	Drilling	rot
21-Nov-14	07:30	08:30	1	13867	13905	Drilling	slide
21-Nov-14	08:30	08:40	0.17	13905	13942	Drilling	rot
21-Nov-14	08:40	08:50	0.17	13942	13942	Surveying	c/s
21-Nov-14	08:50	09:05	0.25	13942	13953	Drilling	rot
21-Nov-14	09:05	10:05	1	13953	13987	Drilling	slide
21-Nov-14	10:05	10:15	0.17	13987	14026	Drilling	rot
21-Nov-14	10:15	10:20	0.08	14026	14026	Surveying	c/s
21-Nov-14	10:20	10:25	0.08	14026	14036	Drilling	rot
21-Nov-14	10:25	11:05	0.67	14036	14067	Drilling	slide
21-Nov-14	11:05	11:10	0.08	14067	14086	Drilling	rot
21-Nov-14	11:10	11:35	0.42	14086	14111	Drilling	slide
21-Nov-14	11:35	11:45	0.17	14111	14111	Surveying	c/s
21-Nov-14	11:45	12:10	0.42	14111	14197	Drilling	rot
21-Nov-14	12:10	12:15	0.08	14197	14197	Surveying	c/s
21-Nov-14	12:15	12:40	0.42	14197	14282	Drilling	rot
21-Nov-14	12:40	12:45	0.08	14282	14282	Surveying	c/s
21-Nov-14	12:45	13:20	0.58	14282	14376	Drilling	rot
21-Nov-14	13:20	13:25	0.08	14376	14376	Surveying	c/s
21-Nov-14	13:25	13:50	0.42	14376	14454	Drilling	rot
21-Nov-14	13:50	13:55	0.08	14454	14454	Surveying	c/s
21-Nov-14	13:55	14:30	0.58	14454	14540	Drilling	rot
21-Nov-14	14:30	14:35	0.08	14540	14540	Surveying	c/s
21-Nov-14	14:35	14:50	0.25	14540	14575	Drilling	rot
21-Nov-14	14:50	14:55	0.08	14575	14575	Surveying	Well TD.
21-Nov-14	14:55	15:30	0.58	14575	14575	Mud Prep/Circ/Cond(hol	Circulating
21-Nov-14	15:30	18:55	3.42	14575	7483	RIH/POOH/Trip/Wiper Tr	POOH -- Wiper Trip
21-Nov-14	18:55	20:55	2	7483	12142	RIH/POOH/Trip/Wiper Tr	TIH -- Wiper Trip
21-Nov-14	20:55	21:10	0.25	12142	12142	Mud Prep/Circ/Cond(hol	Fill Pipe
21-Nov-14	21:10	23:00	1.83	12142	14553	RIH/POOH/Trip/Wiper Tr	TIH
21-Nov-14	23:00	00:00	1	14553	14553	Mud Prep/Circ/Cond(hol	Pumping sweeps



Job Number: 14CAS0391
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #06
Well Location: Lat: 40.55, Long: -104.906389
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD: Lopez, Eric R
Co. Man: Brandon patch

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, November, 23 2014

From: Nov-22-2014 00:00 To: Nov-23-2014 00:00

DRILLING SUMMARY				DRILLING PARAMETERS					
Start Depth	0	Rotary Hours	0.00	WOB Rot		PU		Slack Off	
End Depth	0	Total Circu. Hours	1.00	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	8.00	Percent Slide		Viscosity		Sand	PH		Flow T°
				Chlorides		WL			Oil%

PERSONNEL								CASING			
Directional Company								Size		Set Depth	
Company Man				Brandon patch				7		7,335	
MLWD - Cell Manager				Bagby, Ryan Paul				DAILY COST			
DD - Cell Manager				Lopez, Eric R				Daily Cost: \$10,750.00 Cumulative Cost: \$136,875.00 Signature:			
MLWD				Schmidt, William J							
DD				Johnson, Jake Reed							
Incl. In	89	Azm. In	94.86	Incl. Out	88.81	Azm. Out	90.11				

BHA & COMMENTS

casing cement

FORECAST NEXT 24

Casing cement rig skid

DD JOURNAL

Date	Start	End	Hours	Start	End	Activity	Comment
22-Nov-14	00:00	01:00	1	14575	14575	Circulating	Cont circ f/ POOH
22-Nov-14	01:00	07:00	6	14575	0	POOH	
22-Nov-14	07:00	08:00	1	0	0	Lay Down BHA	

MWD JOURNAL

Date	Start	End	Hours	Start	End	Activity	Comment
22-Nov-14	00:00	00:50	0.83	14553	14553	Mud Prep/Circ/Cond(hol	Pumping sweeps
22-Nov-14	00:50	06:45	5.92	14553	0	RIH/POOH/Trip/Wiper Tr	POOH
22-Nov-14	06:45	08:00	1.25	0	0	MU/LD BHA	Lay down BHA
22-Nov-14	08:00	08:00	0	0	0	Run End - TART	
22-Nov-14	08:00	00:00	16	0	0	Run Csg, Cmt/Cmt Plug	Run casing, cement, rig skid.

Run Statistics Calculated from DD Journal



Job Number: 14CAS0391
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #06
Well Location: Lat: 40.55, Long: -104.906389
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD: Lopez, Eric R
Co. Man:

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 # 1 on Run # 1 - BHA Summary Information																				
TIME IN - OUT				Rotary Hours		5.50		Start Depth		95		RPM Range		Flow Rate						
Start Time		End Time		Total Circu. Hours		6.42		End Depth		780		50-50		700-700						
14-Nov-14 @ 06:45		14-Nov-14 @ 14:25		Slide Hours		0.00		Percent Rotary		100%										
				Below Rotary Hour		7.67		Percent Slide		0%										
Total Drilled		685.00		Avg. Total ROP		124.55		Incl.				Azimuth								
Total Rotary Drilled		685.00		Avg. Rotary ROP		124.55		IN		OUT		IN		OUT						
Total Drilled Sliding		0.00		Avg. Slide ROP				0		1.76		0		259.21						
SPP	2,500-1,900		wt. SOW		35-35		PUW	45-45		RSW	40-40		Rea. POOH		Section Total Depth					
Bit Data					Motor Data					Mud Data										
Hughes Christense			HC605S			MOTOR ASSY 775 - G2					Type		Water Base			BHT		59		
Bit Type		PDC				Model	PathFinder		Pad OD		0.00		WT	8.3	Gas		Solids			
TFA		.537				MFG	SPC		Stator / Ro		4:5		Vis	28	Sand	0.01	T			
JETS		10	10	10	10	10	Bend		1.50		Motor Diff		600		PV	4	PH	9.0	Chlor	500
		10	10				Bit to Bend				Output		0.24		YP	14	WL		Oil%	
Bit Coding		IADC #					NB Stab		0.00		Rotor Jet		PUMPS		PUMP1		PUMP2			
IR	OR	DL	LOC	BS	G	ODL		Sensor Offsets				NAME		MK						
1	1	NO	A	X	I	NOTD		HDS1	45.6				Model		1600					
Bit Drop		1173 PSI @ 700 GPM											Type		Triplex					
													Liner		6					
													Stroke		12					
													Output		1.4687964536					
Comments																				
8" HDS-1 Directional only run @ PW=0.6																				
Company EXTRACTON OIL & GAS LLC																				
Well NELSON FARM #6																				
TCM XL0335																				
Recorder File TVOBEEhn.rec																				
Range Time Number																				
0 - 20 cps 93.93 hr 213 pts																				
21 - 50 cps 5.95 hr 114 pts																				
51 - 100 cps 13.07 hr 354 pts																				
101 - 200 cps 12.07 hr 298 pts																				
201 - 300 cps 3.13 hr 94 pts																				
> 300 cps 1.07 hr 32 pts																				
BHA Detail																				
#	Description					Serial #		I.D	O.D	Length	Sum	Top Conn								
1	PDC					rig			13.5	1.5	1.5	6 5/8 in API REG PIN								
2	MOTOR ASSY 775 - G2					F77B0012			7.75	31.11	32.61	6 5/8 in API IF BOX								
3	FLOAT SUB 800					D80F347E		2.88	8	1.02	33.63	5 1/2 in API IF BOX								
4	COLLAR HDS1 LF 800					D80L218B		4.5	7.91	29.4	63.03	6 5/8 in API REG BOX								
5	Non-Mag Drill Collar					DR27326		3.13	8.18	30.95	93.98	6 5/8 in API REG PIN								
6	Xover Subs					rig2		2.88	6.75	3	96.98	4 1/2 in XH BOX								

Xover Subs,
O.D=6.75,
Length=3

Non-Mag Drill
Collar,
O.D=8.18,
Length=30.95

COLLAR HDS1
LF 800,
O.D=7.91,
Length=29.4

FLOAT SUB
800, O.D=8,
Length=1.02

MOTOR ASSY
775 - G2,
O.D=7.75,
Length=31.11

PDC, O.D=13.5,
Length=1.5

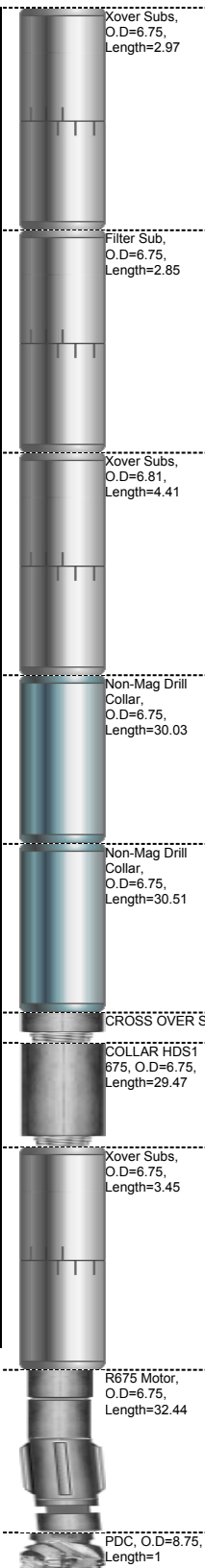


Job Number: 14CAS0391
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #06
Well Location: Lat: 40.55, Long: -104.906389
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD: Lopez, Eric R
Co. Man:

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		15.58		Start Depth		780		RPM Range		Flow Rate				
Start Time		End Time		Total Circu. Hours		26.67		End Depth		6401		-		-				
15-Nov-14 @ 07:30		16-Nov-14 @ 23:15		Slide Hours		7.58		Percent Rotary		91.32%								
				Below Rotary Hour		39.75		Percent Slide		8.68%								
Total Drilled			5,621.00		Avg. Total ROP			242.63		Incl.			Azimuth					
Total Rotary Drilled			5,133.00		Avg. Rotary ROP			329.39		IN		OUT		IN		OUT		
Total Drilled Sliding			488.00		Avg. Slide ROP			64.35		1.76		2.9		259.21		268.71		
SPP	-		wt. SOW		-		PUW	-		RSW	-		Rea. POOH		Change Bottom Hole Assembly (non-failure)			
Bit Data						Motor Data						Mud Data						
Varel				RS519DX			R675 Motor						Type		Fresh Water		BHT	
Bit Type		PDC					Model	Rental MTR		Pad OD		WT		9.50	Gas	Solids		
TFA		.982					MFG	Phoenix		Stator / Ro <td colspan="2">7:8</td> <th>Vis</th> <td colspan="2">Sand</td> <td>T</td>		7:8		Vis	Sand		T	
JETS		16	16	16	16	16	Bend		Motor Diff		PV		PH		Chlor			
		10	10				Bit to Bend		5.50		Output		0.24		YP	WL		Oil%
Bit Coding		IADC #		M244			NB Stab		Rotor Jet		PUMPS		PUMP1		PUMP2			
IR	OR	DL	LOC	BS	G	ODL	Sensor Offsets					NAME		mk				
1	1	WT	S	X	I	WTBHA	GAMMA	40.72			Model		1600					
Bit Drop							HDS1	57.3			Type		Triplex					
											Liner		6					
											Stroke		12					
											Output		1.4687964536					
Comments																		
Hole drilled to KOP, good MWD run. PW=.8																		
BHA Detail																		
#	Description						Serial #		I.D	O.D	Length	Sum	Top Conn					
1	PDC						4007327			8.75	1	1	4 1/2 in API REG PIN					
2	R675 Motor						675-24XH-A01			6.75	32.44	33.44	4 1/2 in XH BOX					
3	Xover Subs						DR19149		2.25	6.75	3.45	36.89	5 1/2 in API FH BOX					
4	COLLAR HDS1 675						D67C509K		3.5	6.75	29.47	66.36	5 1/2 in API FH BOX					
5	CROSS OVER SUB 675						D67X630		4	6.81	2.6	68.96	4 1/2 in XH BOX					
6	Non-Mag Drill Collar						DR9344		2.5	6.75	30.51	99.47	4 1/2 in XH BOX					
7	Non-Mag Drill Collar						DR19858		2.5	6.75	30.03	129.5	4 1/2 in XH BOX					
8	Xover Subs						DR6204		2.25	6.81	4.41	133.91	4 1/2 in API IF BOX					
9	Filter Sub						DR19577		3.25	6.75	2.85	136.76	4 1/2 in API IF BOX					
10	Xover Subs						Rig		2.5	6.75	2.97	139.73	4 1/2 in XH BOX					



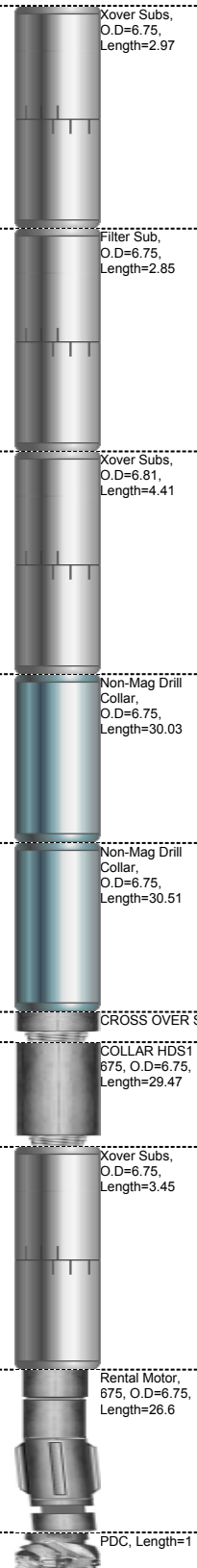


Job Number: 14CAS0391
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #06
Well Location: Lat: 40.55, Long: -104.906389
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD: Lopez, Eric R
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		0.67		Start Depth		6401		RPM Range		Flow Rate				
Start Time		End Time		Total Circu. Hours		19.42 <th colspan="2">End Depth</th> <td colspan="2">7385</td> <td colspan="2">20-20</td> <td colspan="2">503-503</td>		End Depth		7385		20-20		503-503				
17-Nov-14 @ 00:30		18-Nov-14 @ 07:15		Slide Hours		14.08 <th colspan="2">Percent Rotary</th> <td colspan="2">4.78%</td> <td colspan="4" rowspan="2"></td>		Percent Rotary		4.78%								
				Below Rotary Hour		30.75 <th colspan="2">Percent Slide</th> <td colspan="2">95.22%</td>		Percent Slide		95.22%								
Total Drilled			984.00		Avg. Total ROP			66.71		Incl.			Azimuth					
Total Rotary Drilled			47.00		Avg. Rotary ROP			70.5		IN		OUT		IN		OUT		
Total Drilled Sliding			937.00		Avg. Slide ROP			66.53		2.9		89		268.71		94.86		
SPP	3,300-2,925		wt. SOW		120-120		PUW	145-145		RSW	130-130		Rea. POOH		Section Total Depth			
Bit Data					Motor Data					Mud Data								
Varel			516			Rental Motor, 675					Type		Water Base		BHT		150	
Bit Type		PDC				Model	Rental MTR		Pad OD			WT	10.2	Gas	2200	Solids	9	
TFA		.982				MFG	Phoenix		Stator / Ro		7:8	Vis	40	Sand	0.25	T	101	
JETS		16	16	16	16	16	Bend			Motor Diff		375	PV	11	PH	9.0	Chlor	1,300
		10	10				Bit to Bend			Output		0.29	YP	7	WL	88	Oil%	
Bit Coding		IADC #		M224			NB Stab			Rotor Jet			PUMPS		PUMP1		PUMP2	
IR	OR	DL	LOC	BS	G	ODL		Sensor Offsets				NAME						
1	1	NO	A	X	I	NOTD		GAMMA		34.88			Model		MKP			
Bit Drop		223 PSI @ 503 GPM					HDS1		51.46			Type		Triplex				
											Liner		6					
											Stroke		12					
											Output		1.4687964536					
Comments																		
6 3/4" HDS-1 Dir/GR @ PW=0.6																		
Company EXTRACTON OIL & GAS LLC Well NELSON FARM #6 TCM X0693A Recorder File TVOBI7Eg.rec																		
Range Time Number 0 - 20 cps 39.08 hr 724 pts 21 - 50 cps 6.54 hr 175 pts 51 - 100 cps 4.90 hr 142 pts 101 - 200 cps 3.19 hr 93 pts 201 - 300 cps 0.80 hr 24 pts > 300 cps 0.00 hr 0 pts																		
Company EXTRACTON OIL & GAS LLC Well NELSON FARM #6 GAM 8045 Recorder File GdOBI7F1.rec																		
Range Vib XY Vib Z Temp Temp Range 0 - 3 G 66.9 hr 73.6 hr 73.6 hr < 100 C 3 - 5 G 6.3 hr 0.1 hr 100 - 115 C 5 - 8 G 0.4 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 -9.0 C/15.8 F Max 6.0 G 3.4 G 69.0 C/156.2 F																		
BHA Detail																		
#	Description					Serial #		I.D	O.D	Length	Sum	Top Conn						
1	PDC					4006609				1	1							
2	Rental Motor, 675					24XH-675-475			6.75	26.6	27.6							





Job Number: 14CAS0391

Company Name: EXTRACTION OIL & GAS LLC

Rig Name: XTREME COIL DRLG/HOU #7

Well Name: Nelson Farm #06

Well Location: Lat: 40.55, Long: -104.906389

Well State: Colorado

Well County: Weld

Well Field: Wattenberg

Well Country:

Lead DD: Lopez, Eric R

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

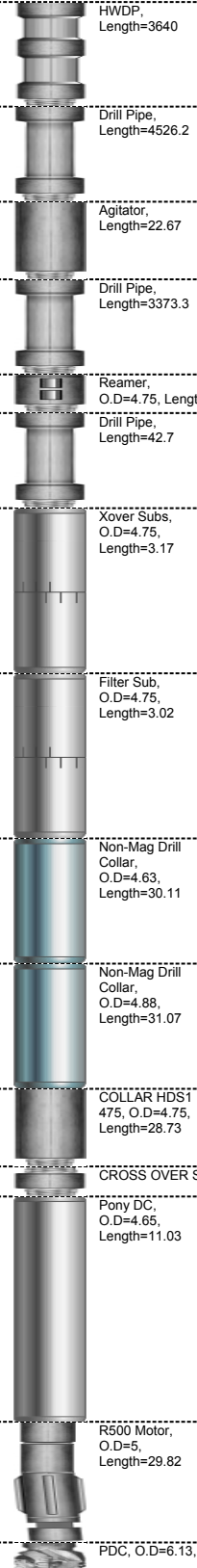
3	Xover Subs	DR19149	2.25	6.75	3.45	31.05	5 1/2 in API FH BOX
4	COLLAR HDS1 675	D67C509K	3.5	6.75	29.47	60.52	5 1/2 in API FH BOX
5	CROSS OVER SUB 675	D67X630	4	6.81	2.6	63.12	4 1/2 in XH BOX
6	Non-Mag Drill Collar	DR9344	2.5	6.75	30.51	93.63	4 1/2 in XH BOX
7	Non-Mag Drill Collar	DR19858	2.5	6.75	30.03	123.66	4 1/2 in XH BOX
8	Xover Subs	DR6204	2.25	6.81	4.41	128.07	4 1/2 in API IF BOX
9	Filter Sub	DR19577	3.25	6.75	2.85	130.92	4 1/2 in API IF BOX
10	Xover Subs	Rig	2.5	6.75	2.97	133.89	4 1/2 in XH BOX



Job Number: 14CAS0391
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #06
Well Location: Lat: 40.55, Long: -104.906389
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD: Lopez, Eric R
Co. Man: Brandon patch

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		27.42		Start Depth		7385		RPM Range		Flow Rate				
Start Time		End Time		Total Circu. Hours		43.67		End Depth		14575		25-55		314-314				
19-Nov-14 @ 04:30		22-Nov-14 @ 08:00		Slide Hours		11.17		Percent Rotary		90.33%								
				Below Rotary Hour		75.50		Percent Slide		9.67%								
Total Drilled		7,190.00		Avg. Total ROP		186.35		Incl.				Azimuth						
Total Rotary Drilled		6,495.00		Avg. Rotary ROP		236.9		IN		OUT		IN		OUT				
Total Drilled Sliding		695.00		Avg. Slide ROP		62.24		89		88.81		94.86		90.11				
SPP	3,533-2,600		wt. SOW		76-85		PUW	95-155		RSW	85-110		Rea. POOH	Well Total Depth				
Bit Data				Motor Data				Mud Data										
Varel		VS516DU		R500 Motor				Type	Water Base		BHT	176						
Bit Type		PDC				Model	Rental MTR		Pad OD			WT	9.3	Gas	3300	Solids	5.5	
TFA		.752				MFG	Pheonix		Stator / Ro	6:7		Vis	38	Sand	0.15	T	98	
JETS		14	14	14	14	14	Bend				Motor Diff	933	PV	8	PH	13.5	Chlor	1,200
		10	10				Bit to Bend		4.97		Output	0.86	YP	8	WL	92	Oil%	
Bit Coding		IADC #				NB Stab				Rotor Jet		PUMPS		PUMP1		PUMP2		
IR	OR	DL	LOC	BS	G	ODL		Sensor Offsets				NAME		MK				
1	1	NO	A	X	I	NOTD		HDS1	63.28			Model		1600				
Bit Drop		135 PSI @ 314 GPM				GAMMA		46.7				Type		Triplex				
												Liner		6				
												Stroke		12				
												Output		1.4687964536				
Comments																		
HDS-1 Dir/GR @ PW=0.8																		
Company EXTRACTON OIL & GAS LLC																		
Well NELSON FARM #6																		
TCM X0693A																		
Recorder File TVOBM7vJ.rec																		
Range Time Number																		
0 - 20 cps 25.73 hr 427 pts																		
21 - 50 cps 6.24 hr 173 pts																		
51 - 100 cps 10.13 hr 292 pts																		
101 - 200 cps 14.59 hr 437 pts																		
201 - 300 cps 0.58 hr 17 pts																		
> 300 cps 0.03 hr 1 pts																		
Company EXTRACTON OIL & GAS LLC																		
Well NELSON FARM #6																		
GAM 8045																		
Recorder File GdOBM7va.rec																		
Range Vib XY Vib Z Temp Temp Range																		
0 - 3 G 57.8 hr 78.5 hr 52.4 hr < 100 C																		
3 - 5 G 18.0 hr 0.8 hr 26.9 hr 100 - 115 C																		
5 - 8 G 3.4 hr 115 - 130 C																		
8 - 11 G 0.1 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 -3.0 C/26.6 F																		
Max 10.5 G 5.0 G 107.0 C/224.6 F																		
BHA Detail																		
#	Description					Serial #		I.D	O.D	Length	Sum	Top Conn						
1	PDC					4007642			6.13	1	1							
2	R500 Motor					GX-500-459			5	29.82	30.82							



Job Number: 14CAS0391

Company Name: EXTRACTION OIL & GAS LLC

Rig Name: XTREME COIL DRLG/HOU #7

Well Name: Nelson Farm #06

Well Location: Lat: 40.55, Long: -104.906389

Well State: Colorado

Well County: Weld

Well Field: Wattenberg

Well Country:

Lead DD: Lopez, Eric R

Co. Man: Brandon patch

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

3	Pony DC	DR28036	2.75	4.65	11.03	41.85	
4	CROSS OVER SUB PIN/PIN 475	D47X125T	2.5	4.69	1.01	42.86	
5	COLLAR HDS1 475	D47C514D	2.88	4.75	28.73	71.59	
6	Non-Mag Drill Collar	DR28410	2.75	4.88	31.07	102.66	
7	Non-Mag Drill Collar	DR20308	2.75	4.63	30.11	132.77	
8	Filter Sub	475F071	2.75	4.75	3.02	135.79	
9	Xover Subs	B47X148	2.25	4.75	3.17	138.96	
10	Drill Pipe	rig1			42.7	181.66	
11	Reamer	rig2	2.25	4.75	7.44	189.1	
12	Drill Pipe	rig3			3373.3	3562.4	
13	Agitator	nov			22.67	3585.07	
14	Drill Pipe	rig4			4526.2	8111.27	
15	HWDP	rig5			3640	11751.27	



Job Number: 14CAS0391
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #06
Well Location: Lat: 40.55, Long: -104.906389
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD: Lopez, Eric R
Co. Man:

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 # 1 on Run # 1

Time and Depths				Motor				RSS							
Date In:		14-Nov-2014 @ 06:45		Desc:		MOTOR ASSY 775 - G2		Desc:							
Date Out:		14-Nov-2014 @ 14:25		MFG:		SPC		Service Name:							
Hours In Hole:		8		BHA Circ/All BHA:		6.42 / 96.17		BHA Circ/All BHA:							
Start Depth:		95		Motor SN:		F77B0012		Rotary SN:							
End Depth:		780		Pad OD:		0.00		RS Pad OD:							
Total Drilled:		685		NB Stab:		0.00		RS Stab OD:							
Avg. Total ROP:		124.55		Bit to Bend Dist:				Bias Unit Type:							
Total Circu. Hours:		6.42		Bent Hsg / Sub:		1.50		RT Com M Method:							
Percent Slide:		0%		Lobe / Stage:		4:5 / 6		Control Collar Stab:							
Percent Slide Hours:		0%		Output:		0.240		CC Stab Size:							
Slide Hours:		0.00		Rotor Jet:				Prop BUR:							
Total Sliding:		0		Prop Yield:		0.00		Act BUR:							
Avg. Slide ROP:				Act Yield:		0.00		Strike Ring Size:							
Percent Rotary:		100%		Stator Clearance:				Bit Period:							
Percent Rotary Hours:		100%		Number of Stalls:				Bit to Ref Point:							
Rot / Total Hours:		5.50		Stall Pressure:				% Drop Flow:							
Rotary Drilled:		685													
Avg. Rotary ROP:		124.55													
Reason POOH:		Section Total Depth													
Drilling Parameters															
SO / PU:		35 / 45				SPP On Bot:		2,500 - 2,500		Flow Rate: 700 - 700					
Rotating WOB:		15.00				SPP Off Bot:		1,900 - 1,900							
Sliding WOB:						Avg Diff:		600.00							
On Bot Torque:		3,500 - 3,500				Motor RPM:		168							
Off Bot Torque:		1,500 - 1,500				Rotary RPM:		50 - 50							
Bit Record															
Description:		PDC				Jets:		10,10,10,10,10,10,10		IADC#					
Run #		1				Bit Drop:		1173 PSI @ 700 GPM		TFA: .537					
Type Bit:		PDC				Condition:		1,1,NO,A,X,I,NO,TD							
Mud Data															
Type:	Water Base					WT:	8.3	Vis:	28	WL:		PV:	4	Flow T:	
Sand:	0.01	Chlor:	500	Gas:		Sol:		Oil %:		YP:	14	PH:	9.0	BH Temp:	59
Formation:															
Expanded Reason to Pull:															
BHA Performance and Comments:															



Job Number: 14CAS0391

Company Name: EXTRACTION OIL & GAS LLC

Rig Name: XTREME COIL DRLG/HOU #7

Well Name: Nelson Farm #06

Well Location: Lat: 40.55, Long: -104.906389

Well State: Colorada

Well County: Weld

Well Field: Wattenberg

Well Country:

Lead DD: Lopez, Eric R

Co. Man:

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

8" HDS-1 Directional only run @ PW=0.6

Company EXTRACTON OIL & GAS LLC

Well NELSON FARM #6

TCM XL0335

Recorder File TVOBEEhn.rec

Range Time Number

0 - 20 cps 93.93 hr 213 pts

21 - 50 cps 5.95 hr 114 pts

51 - 100 cps 13.07 hr 354 pts

101 - 200 cps 12.07 hr 298 pts

201 - 300 cps 3.13 hr 94 pts

> 300 cps 1.07 hr 32 pts



Job Number: 14CAS0391
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #06
Well Location: Lat: 40.55, Long: -104.906389
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD: Lopez, Eric R
Co. Man:

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:	15-Nov-2014 @ 07:30	Desc:	R675 Motor	Desc:	
Date Out:	16-Nov-2014 @ 23:15	MFG:	Phoenix	Service Name:	
Hours In Hole:	40	BHA Circ/All BHA:	26.67 / 96.17	BHA Circ/All BHA:	
Start Depth:	780	Motor SN:	675-24XH-A01	Rotary SN:	
End Depth:	6401	Pad OD:		RS Pad OD:	
Total Drilled:	5,621	NB Stab:		RS Stab OD:	
Avg. Total ROP:	242.63	Bit to Bend Dist:	5.50	Bias Unit Type:	
Total Circu. Hours:	26.67	Bent Hsg / Sub:	/	RT Com M Method:	
Percent Slide:	8.68%	Lobe / Stage:	7:8 / 5:7	Control Collar Stab:	
Percent Slide Hours:	32.72%	Output:	0.240	CC Stab Size:	
Slide Hours:	7.58	Rotor Jet:		Prop BUR:	
Total Sliding:	488	Prop Yield:		Act BUR:	
Avg. Slide ROP:	64.35	Act Yield:		Strike Ring Size:	
Percent Rotary:	91.32%	Stator Clearance:		Bit Period:	
Percent Rotary Hours:	67.25%	Number of Stalls:		Bit to Ref Point:	
Rot / Total Hours:	15.58	Stall Pressure:		% Drop Flow:	
Rotary Drilled:	5,133				
Avg. Rotary ROP:	329.39				
Reason POOH:	Change Bottom Hole As				

Drilling Parameters

SO / PU:	/	SPP On Bot:	-	Flow Rate:	-
Rotating WOB:		SPP Off Bot:	-		
Sliding WOB:		Avg Diff:			
On Bot Torque:		Motor RPM:			
Off Bot Torque:		Rotary RPM:	-		

Bit Record

Description:	PDC	Jets:	16,16,16,16,16	IADC#	M244
Run #	2	Bit Drop:		TFA:	.982
Type Bit:	PDC	Condition:	1,1,WT,S,X,I,WT,BHA		

Mud Data

Type:	Fresh Water							WT:	9.50	Vis:		WL:		PV:		Flow T:	
Sand:		Chlor:		Gas:		Sol:		Oil %:		YP:		PH:		BH Temp:			
Formation:																	
Expanded Reason to Pull:			Planned change of Bit														
BHA Performance and Comments:																	
Hole drilled to KOP, good MWD run. PW=.8																	



Job Number: 14CAS0391
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #06
Well Location: Lat: 40.55, Long: -104.906389
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD: Lopez, Eric R
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:		17-Nov-2014 @ 00:30				Desc:		Rental Motor, 675				Desc:					
Date Out:		18-Nov-2014 @ 07:15				MFG:		Phoenix				Service Name:					
Hours In Hole:		31				BHA Circ/All BHA:		19.42 / 96.17				BHA Circ/All BHA:					
Start Depth:		6401				Motor SN:		24XH-675-475				Rotary SN:					
End Depth:		7385				Pad OD:						RS Pad OD:					
Total Drilled:		984				NB Stab:						RS Stab OD:					
Avg. Total ROP:		66.71				Bit to Bend Dist:						Bias Unit Type:					
Total Circu. Hours:		19.42				Bent Hsg / Sub:		/				RT Com M Method:					
Percent Slide:		95.22%				Lobe / Stage:		7:8 / 5				Control Collar Stab:					
Percent Slide Hours:		95.46%				Output:		0.290				CC Stab Size:					
Slide Hours:		14.08				Rotor Jet:						Prop BUR:					
Total Sliding:		937				Prop Yield:						Act BUR:					
Avg. Slide ROP:		66.53				Act Yield:						Strike Ring Size:					
Percent Rotary:		4.78%				Stator Clearance:						Bit Period:					
Percent Rotary Hours:		4.54%				Number of Stalls:						Bit to Ref Point:					
Rot / Total Hours:		0.67				Stall Pressure:						% Drop Flow:					
Rotary Drilled:		47															
Avg. Rotary ROP:		70.5															
Reason POOH:		Section Total Depth															
Drilling Parameters																	
SO / PU:		120 / 145				SPP On Bot:		3,300 - 3,300				Flow Rate:		503 - 503			
Rotating WOB:		15.00				SPP Off Bot:		2,925 - 2,925									
Sliding WOB:		15.00				Avg Diff:		375.00									
On Bot Torque:		6,200 - 6,200				Motor RPM:		145.87									
Off Bot Torque:		3,750 - 3,750				Rotary RPM:		20 - 20									
Bit Record																	
Description:		PDC				Jets:		16,16,16,16,16				IADC#		M224			
Run #		3				Bit Drop:		223 PSI @ 503 GPM				TFA:		.982			
Type Bit:		PDC				Condition:		1,1,NO,A,X,I,NO,TD									
Mud Data																	
Type:	Water Base					WT:	10.2	Vis:	40	WL:	88	PV:	11	Flow T:	101		
Sand:	0.25	Chlor:	1,300	Gas:	2200	Sol:	9	Oil %:		YP:	7	PH:	9.0	BH Temp:	150		
Formation:																	
Expanded Reason to Pull:																	
BHA Performance and Comments:																	



Job Number: 14CAS0391

Company Name: EXTRACTION OIL & GAS LLC

Rig Name: XTREME COIL DRLG/HOU #7

Well Name: Nelson Farm #06

Well Location: Lat: 40.55, Long: -104.906389

Well State: Colorado

Well County: Weld

Well Field: Wattenberg

Well Country:

Lead DD: Lopez, Eric R

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

6 3/4" HDS-1 Dir/GR @ PW=0.6

Company EXTRACTION OIL & GAS LLC
Well NELSON FARM #6
TCM X0693A
Recorder File TVOBI7Eg.rec

Range Time Number
0 - 20 cps 39.08 hr 724 pts
21 - 50 cps 6.54 hr 175 pts
51 - 100 cps 4.90 hr 142 pts
101 - 200 cps 3.19 hr 93 pts
201 - 300 cps 0.80 hr 24 pts
> 300 cps 0.00 hr 0 pts

Company EXTRACTION OIL & GAS LLC
Well NELSON FARM #6
GAM 8045
Recorder File GdOBI7F1.rec

Range Vib XY Vib Z Temp Temp Range
0 - 3 G 66.9 hr 73.6 hr 73.6 hr < 100 C
3 - 5 G 6.3 hr 0.1 hr 100 - 115 C
5 - 8 G 0.4 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 -9.0 C/15.8 F
Max 6.0 G 3.4 G 69.0 C/156.2 F



Job Number: 14CAS0391
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #06
Well Location: Lat: 40.55, Long: -104.906389
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD: Lopez, Eric R
Co. Man: Brandon patch

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:	19-Nov-2014 @ 04:30	Desc:	R500 Motor	Desc:	
Date Out:	22-Nov-2014 @ 08:00	MFG:	Pheonix	Service Name:	
Hours In Hole:	76	BHA Circ/All BHA:	43.67 / 96.17	BHA Circ/All BHA:	
Start Depth:	7385	Motor SN:	GX-500-459	Rotary SN:	
End Depth:	14575	Pad OD:		RS Pad OD:	
Total Drilled:	7,190	NB Stab:		RS Stab OD:	
Avg. Total ROP:	186.35	Bit to Bend Dist:	4.97	Bias Unit Type:	
Total Circu. Hours:	43.67	Bent Hsg / Sub:	/	RT Com M Method:	
Percent Slide:	9.67%	Lobe / Stage:	6:7 / 8	Control Collar Stab:	
Percent Slide Hours:	28.95%	Output:	0.860	CC Stab Size:	
Slide Hours:	11.17	Rotor Jet:		Prop BUR:	
Total Sliding:	695	Prop Yield:		Act BUR:	
Avg. Slide ROP:	62.24	Act Yield:		Strike Ring Size:	
Percent Rotary:	90.33%	Stator Clearance:		Bit Period:	
Percent Rotary Hours:	71.07%	Number of Stalls:		Bit to Ref Point:	
Rot / Total Hours:	27.42	Stall Pressure:		% Drop Flow:	
Rotary Drilled:	6,495				
Avg. Rotary ROP:	236.9				
Reason POOH:	Well Total Depth				

Drilling Parameters

SO / PU:	80 / 122	SPP On Bot:	3,533 - 3,533	Flow Rate:	314 - 314
Rotating WOB:	19.30	SPP Off Bot:	2,600 - 2,600		
Sliding WOB:	29.42	Avg Diff:	933.00		
On Bot Torque:	6,500 - 9,100	Motor RPM:	270.04		
Off Bot Torque:	3,500 - 5,500	Rotary RPM:	25 - 55		

Bit Record

Description:	PDC	Jets:	14,14,14,14,14	IADC#	
Run #	4	Bit Drop:	135 PSI @ 314 GPM	TFA:	.752
Type Bit:	PDC	Condition:	1,1,NO,A,X,I,NO,TD		

Mud Data

Type:	Water Base							WT:	9.3	Vis:	38	WL:	92	PV:	8	Flow T:	98
Sand:	0.15	Chlor:	1,200	Gas:	3300	Sol:	5.5	Oil %:		YP:	8	PH:	13.5	BH Temp:	176		
Formation:																	
Expanded Reason to Pull:																	
BHA Performance and Comments:																	



Job Number: 14CAS0391

Company Name: EXTRACTION OIL & GAS LLC

Rig Name: XTREME COIL DRLG/HOU #7

Well Name: Nelson Farm #06

Well Location: Lat: 40.55, Long: -104.906389

Well State: Colorada

Well County: Weld

Well Field: Wattenberg

Well Country:

Lead DD: Lopez, Eric R

Co. Man: Brandon patch

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-1 Dir/GR @ PW=0.8

Company EXTRACTON OIL & GAS LLC
Well NELSON FARM #6
TCM X0693A
Recorder File TVOBM7vJ.rec

Range Time Number
0 - 20 cps 25.73 hr 427 pts
21 - 50 cps 6.24 hr 173 pts
51 - 100 cps 10.13 hr 292 pts
101 - 200 cps 14.59 hr 437 pts
201 - 300 cps 0.58 hr 17 pts
> 300 cps 0.03 hr 1 pts

Company EXTRACTON OIL & GAS LLC
Well NELSON FARM #6
GAM 8045
Recorder File GdOBM7va.rec

Range Vib XY Vib Z Temp Temp Range
0 - 3 G 57.8 hr 78.5 hr 52.4 hr < 100 C
3 - 5 G 18.0 hr 0.8 hr 26.9 hr 100 - 115 C
5 - 8 G 3.4 hr 115 - 130 C
8 - 11 G 0.1 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 -3.0 C/26.6 F
Max 10.5 G 5.0 G 107.0 C/224.6 F



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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		
Bent Hsg/Sub:	1.50	Bit to Bend:	
Pad OD:	7.75	NB Stab:	0.00

Steering Sheet / DD Journal Report for BHA # 1 on Run # 1 for Job # 14CAS0391

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	14-Nov	Rotating	06:45	12:15	05:30	95	780	685	15	124.55	50	3500	700	2500							
						Total Drilled:		685	Avg. On Bottom ROP:		124.55		DEPTH% - TIME%								
						Total Rotary Drilled:		685	Avg. Rotary ROP:		124.55		Percent Rotary:		100% - 100%						
						Total Drilled Sliding:		0	Avg. Slide ROP:				Percent Slide:		0% - 0%						



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Well State: Colorado

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Co. Man:

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

Motor Information

Desc:	R675 Motor		
Bent Hsg/Sub:		Bit to Bend:	5.50
Pad OD:	6.75	NB Stab:	

Steering Sheet / DD Journal Report for BHA # 2 on Run # 2 for Job # 14CAS0391																					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	15-Nov	Rotating	09:15	09:50	00:35	780	780	0	10	.00	45	5000	419	1200				1.934	262.741	0.263	Drill float collar and shoe
2	15-Nov	Rotating	09:50	10:45	00:55	780	877	97	10	105.82	45	5000	419	1200				2.017	260.108	0.245	
2	15-Nov	Rotating	10:55	11:10	00:15	877	969	92	10	368.00	60	5500	419	1200				2.135	258.563	0.201	
2	15-Nov	Rotating	11:15	11:30	00:15	969	1061	92	10	368.00	60	5500	419	1510				2.520	248.209	0.923	
2	15-Nov	Rotating	12:15	12:30	00:15	1061	1100	39	10	156.00	60	5500	460	1510				2.804	242.210	1.560	
2	15-Nov	Sliding	12:30	12:40	00:10	1100	1125	25	10	150.00	60	5500	460	1510				3.125	237.913	1.560	25'@ 210M
2	15-Nov	Rotating	12:40	12:45	00:05	1125	1154	29	15	348.00	60	5500	460	1510				3.515	233.934	1.560	
2	15-Nov	Rotating	12:50	13:00	00:10	1154	1246	92	15	552.00	60	5500	460	1510				4.911	230.470	1.585	
2	15-Nov	Sliding	13:40	13:45	00:05	1246	1266	20	10	240.00	60	5500	460	1510				5.228	230.470	1.585	20'@230M
2	15-Nov	Rotating	13:45	14:00	00:15	1266	1339	73	15	292.00	60	5500	460	1510				5.390	232.880	0.399	
2	15-Nov	Rotating	14:15	14:25	00:10	1339	1431	92	15	552.00	60	5500	544	1931				5.078	231.878	0.602	
2	15-Nov	Rotating	14:30	14:40	00:10	1431	1524	93	15	558.00	60	5500	544	1931				4.698	229.736	0.388	
2	15-Nov	Rotating	14:50	15:00	00:10	1524	1617	93	15	558.00	60	5500	544	1931				4.464	229.544	0.181	
2	15-Nov	Rotating	15:10	15:15	00:05	1617	1713	96	20	1,152.0	60	5500	544	1931				5.583	226.135	2.037	
2	15-Nov	Sliding	15:20	15:35	00:15	1713	1733	20	20	80.00	60	5500	544	1931				5.981	225.266	2.037	20'@235M
2	15-Nov	Rotating	15:35	15:45	00:10	1733	1805	72	20	432.00	60	5500	544	1931				5.691	222.602	1.006	
2	15-Nov	Rotating	15:50	16:00	00:10	1805	1900	95	20	570.00	60	5500	544	1931				5.037	220.073	0.569	



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Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
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Co. Man:

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

2	15-Nov	Rotating	16:05	16:15	00:10	1900	1995	95	20	570.00	60	5500	544	1931				5.407	233.775	2.370	
2	15-Nov	Sliding	16:20	16:30	00:10	1995	2015	20	20	120.00	60	5500	544	1931				5.664	237.901	2.370	20'@310M
2	15-Nov	Rotating	16:30	16:40	00:10	2015	2090	75	20	450.00	60	5500	544	1931				5.671	239.280	0.466	
2	15-Nov	Rotating	16:45	16:55	00:10	2090	2185	95	20	570.00	60	5500	544	1931				5.758	234.409	0.734	
2	15-Nov	Rotating	17:00	17:10	00:10	2185	2277	92	20	552.00	60	5500	544	1931				5.193	254.170	3.726	
2	15-Nov	Rotating	17:15	17:25	00:10	2277	2372	95	20	570.00	60	5500	544	1931				4.772	247.608	3.100	
2	15-Nov	Rotating	18:05	18:15	00:10	2372	2464	92	20	552.00	60	5500	544	1931				4.522	234.621	0.550	
2	15-Nov	Rotating	18:20	19:00	00:40	2464	2744	280	20	420.00	60	5500	544	1931				3.392	235.327	0.499	
2	15-Nov	Sliding	19:05	19:20	00:15	2744	2759	15	20	60.00	60	5500	544	1931				3.409	236.555	0.499	15' @ 310M
2	15-Nov	Rotating	19:20	19:40	00:20	2759	2836	77	20	231.00	60	5500	544	1931				3.521	242.640	0.499	
2	15-Nov	Sliding	19:40	19:50	00:10	2836	2846	10	20	60.00	60	5500	544	1931				3.539	243.400	0.499	10' @ 300M
2	15-Nov	Rotating	19:50	20:10	00:20	2846	3020	174	20	522.00	60	5500	544	1931				4.845	247.009	1.895	
2	15-Nov	Sliding	20:20	20:35	00:15	3020	3045	25	20	100.00	60	5500	544	1931				5.303	245.632	1.895	25' @ 235M
2	15-Nov	Rotating	20:35	20:40	00:05	3045	3112	67	20	804.00	60	5500	544	1931				4.741	249.001	1.328	
2	15-Nov	Rotating	20:45	21:15	00:30	3112	3297	185	20	370.00	60	5500	544	1931				4.178	250.637	1.908	
2	15-Nov	Sliding	21:45	22:00	00:15	3297	3317	20	20	80.00	60	5500	544	1931				4.490	247.739	1.908	20' @ 225M
2	15-Nov	Rotating	22:00	22:15	00:15	3317	3389	72	26	288.00	50	10000	544	1931				5.685	240.046	1.908	
2	15-Nov	Sliding	22:20	22:30	00:10	3389	3409	20	26	120.00	50	10000	544	1931				6.031	238.458	1.908	20' @ 210M
2	15-Nov	Rotating	22:30	22:45	00:15	3409	3480	71	26	284.00	50	10000	544	1931				6.634	235.096	0.819	
2	15-Nov	Rotating	22:50	23:00	00:10	3480	3573	93	28	558.00	50	12000	544	1931				7.277	231.722	0.819	
2	15-Nov	Rotating	23:05	23:15	00:10	3573	3665	92	28	552.00	50	12000	544	1931				7.933	228.929	0.819	
2	15-Nov	Rotating	23:20	23:30	00:10	3665	3758	93	28	558.00	50	12000	544	1931				7.408	228.184	1.309	
2	15-Nov	Sliding	23:35	23:50	00:15	3758	3768	10	28	40.00	50	12000	544	1931				7.277	228.218	1.309	10' @ 50M
2	15-Nov	Rotating	23:50	00:00	00:10	3768	3850	82	28	492.00	50	12000	544	1931				6.205	228.543	1.309	



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2	16-Nov	Rotating	00:10	00:20	00:10	3850	3942	92	28	552.00	50	12000	544	1931				5.001	229.072	1.309	
2	16-Nov	Rotating	00:25	00:35	00:10	3942	4034	92	28	552.00	50	12000	544	1931				4.087	231.887	0.882	
2	16-Nov	Rotating	00:40	01:05	00:25	4034	4221	187	28	448.80	50	12000	544	1931				3.315	235.870	0.567	
2	16-Nov	Rotating	01:10	01:25	00:15	4221	4313	92	28	368.00	50	12000	544	1931				3.711	230.340	0.567	
2	16-Nov	Sliding	01:30	01:50	00:20	4313	4328	15	28	45.00	50	12000	544	1931				3.779	229.550	0.567	15' @ 210M
2	16-Nov	Rotating	01:50	02:00	00:10	4328	4407	79	28	474.00	50	12000	544	1931				4.036	228.030	0.288	
2	16-Nov	Rotating	02:05	02:20	00:15	4407	4502	95	28	380.00	50	12000	544	1931				4.304	227.292	0.288	
2	16-Nov	Sliding	02:25	02:50	00:25	4502	4522	20	28	48.00	50	12000	544	1931				4.360	227.148	0.288	20' @ 225M
2	16-Nov	Rotating	02:50	03:00	00:10	4522	4595	73	28	438.00	50	12000	544	1931				4.270	230.277	0.469	
2	16-Nov	Sliding	03:05	03:20	00:15	4595	4605	10	28	40.00	50	12000	544	1931				4.249	230.843	0.469	10' @ 235M
2	16-Nov	Rotating	03:20	03:30	00:10	4605	4688	83	28	498.00	50	12000	544	1931				4.094	235.749	0.469	
2	16-Nov	Rotating	03:40	03:55	00:15	4688	4781	93	28	372.00	50	12000	544	1931				4.222	237.827	0.308	
2	16-Nov	Sliding	04:00	04:30	00:30	4781	4801	20	28	40.00	50	12000	544	1931				4.283	237.816	0.308	20' @ 235M
2	16-Nov	Rotating	04:30	04:40	00:10	4801	4868	67	28	402.00	50	12000	544	1931				4.490	237.782	0.308	
2	16-Nov	Rotating	04:50	05:05	00:15	4868	4953	85	28	340.00	50	12000	544	1931				4.872	237.523	0.513	
2	16-Nov	Sliding	05:35	06:10	00:35	4953	4973	20	28	34.29	50	12000	544	1931				4.974	237.446	0.513	20'@230M
2	16-Nov	Rotating	06:10	06:20	00:10	4973	5073	100	28	600.00	50	12000	544	1931				4.236	240.771	0.881	
2	16-Nov	Rotating	06:25	06:45	00:20	5073	5124	51	28	153.00	50	12000	544	1931				3.819	243.180	0.881	
2	16-Nov	Rotating	06:50	07:35	00:45	5124	5209	85	28	113.33	50	12000	544	1931				3.787	248.426	0.513	
2	16-Nov	Sliding	07:40	08:00	00:20	5209	5234	25	13	75.00	50	12000	544	1931				3.867	249.931	0.513	25'@230M
2	16-Nov	Rotating	08:00	08:15	00:15	5234	5294	60	28	240.00	50	12000	544	1931				4.527	258.114	1.500	
2	16-Nov	Sliding	08:20	08:35	00:15	5294	5319	25	13	100.00	50	12000	544	1931				4.828	260.867	1.500	25'@230M
2	16-Nov	Rotating	08:35	08:45	00:10	5319	5379	60	28	360.00	50	12000	544	1931				5.126	253.080	1.257	
2	16-Nov	Sliding	08:50	09:20	00:30	5379	5404	25	28	50.00	50	12000	544	1931				5.274	250.019	1.257	



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2	16-Nov	Rotating	09:20	09:30	00:10	5404	5464	60	28	360.00	50	12000	544	1931				5.879	246.301	1.176	
2	16-Nov	Sliding	09:55	10:20	00:25	5464	5489	25	15	60.00	50	12000	544	1931				6.139	244.990	1.176	25'@210M
2	16-Nov	Rotating	10:20	10:30	00:10	5489	5550	61	28	366.00	50	12000	544	1931				5.360	246.596	1.386	
2	16-Nov	Rotating	10:40	10:50	00:10	5550	5635	85	28	510.00	50	12000	544	1931				5.354	238.968	1.432	
2	16-Nov	Sliding	12:15	12:30	00:15	5635	5663	28	28	112.00	50	12000	544	1931				5.519	235.535	1.051	
2	16-Nov	Rotating	12:30	12:50	00:20	5663	5720	57	28	171.00	50	12000	544	1931				4.929	234.415	1.051	
2	16-Nov	Rotating	13:00	13:30	00:30	5720	5805	85	28	170.00	50	12000	544	1931				5.027	235.573	0.671	
2	16-Nov	Sliding	13:40	14:10	00:30	5805	5835	30	20	60.00	50	12000	544	1931				5.239	236.348	1.232	30'@245M
2	16-Nov	Rotating	14:10	14:25	00:15	5835	5890	55	28	220.00	50	12000	544	1931				5.910	237.291	1.232	
2	16-Nov	Sliding	14:35	14:50	00:15	5890	5920	30	20	120.00	50	12000	544	1931				6.189	237.883	1.845	30'@240M
2	16-Nov	Rotating	14:50	15:00	00:10	5920	5976	56	20	336.00	50	12000	544	1931				5.258	242.389	1.845	
2	16-Nov	Rotating	15:10	15:30	00:20	5976	6061	85	20	255.00	50	12000	544	1931				4.836	241.339	0.532	
2	16-Nov	Sliding	15:40	16:25	00:45	6061	6085	24	20	32.00	50	12000	544	1931				4.840	239.826	0.532	24'@235M
2	16-Nov	Sliding	17:00	17:15	00:15	6085	6091	6	20	24.00	50	12000	544	1931				4.811	239.868	0.814	6'@235M
2	16-Nov	Rotating	17:15	17:25	00:10	6091	6146	55	20	330.00	50	12000	544	1931				4.412	242.409	0.814	
2	16-Nov	Rotating	17:30	17:55	00:25	6146	6232	86	20	206.40	50	12000	544	1931				3.696	250.373	1.171	
2	16-Nov	Rotating	18:00	19:05	01:05	6232	6401	169	20	156.00	50	12000	544	1931				0.532	318.739	4.545	

Total Drilled:	5621	Avg. On Bottom ROP:	242.63		DEPTH% - TIME%
Total Rotary Drilled:	5133	Avg. Rotary ROP:	329.39	Percent Rotary:	91.32% - 67.27%
Total Drilled Sliding:	488	Avg. Slide ROP:	64.35	Percent Slide:	8.68% - 32.73%



Job Number: 14CAS0391
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #06
Well Location: Lat: 40.55, Long: -104.906389
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD: Lopez, Eric R
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:	Rental Motor, 675		
Bent Hsg/Sub:		Bit to Bend:	
Pad OD:	6.75	NB Stab:	

Steering Sheet / DD Journal Report for BHA # 3 on Run # 3 for Job # 14CAS0391																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	17-Nov	Sliding	05:00	06:25	01:25	6401	6483	82	15	57.88	20	6200	503	3300							80' @ 90MTF	
3	17-Nov	Sliding	06:30	07:35	01:05	6483	6568	85	15	78.46	20	6200	503	3300							85' @ 90MTF	
3	17-Nov	Sliding	07:40	08:05	00:25	6568	6598	30	15	72.00	20	6200	503	3300							30' @ 90MTF	
3	17-Nov	Sliding	08:10	08:35	00:25	6598	6628	30	15	72.00	20	6200	503	3300							30' @ 30R	
3	17-Nov	Sliding	08:40	09:05	00:25	6628	6654	26	15	62.40	20	6200	503	3300							26' @ HS	
3	17-Nov	Sliding	09:10	09:20	00:10	6654	6684	30	15	180.00	20	6200	503	3300							30' @ HS	
3	17-Nov	Sliding	09:25	09:45	00:20	6684	6714	30	15	90.00	20	6200	503	3300							30' @ HS	
3	17-Nov	Sliding	09:50	10:30	00:40	6714	6739	25	15	37.50	20	6200	503	3300							25' @ HS	
3	17-Nov	Sliding	10:40	11:35	00:55	6739	6782	43	15	46.91	20	6200	503	3300							43' @ HS	
3	17-Nov	Sliding	11:40	12:30	00:50	6782	6824	42	15	50.40	20	6200	503	3300							43' @ 30R	
3	17-Nov	Sliding	12:40	13:20	00:40	6824	6867	43	15	64.50	20	6200	503	3300							43' @ 30R	
3	17-Nov	Sliding	13:25	13:40	00:15	6867	6910	43	15	172.00	20	6200	503	3300							43' @ 30R	
3	17-Nov	Sliding	13:45	14:00	00:15	6910	6952	42	15	168.00	20	6200	503	3300							42' @ HS	
3	17-Nov	Sliding	14:05	14:20	00:15	6952	6995	43	15	172.00	20	6200	503	3300							43' @ HS	
3	17-Nov	Sliding	14:40	15:20	00:40	6995	7038	43	15	64.50	20	6200	503	3300							43' @ HS	
3	17-Nov	Sliding	15:30	16:05	00:35	7038	7080	42	15	72.00	20	6200	503	3300							42' @ HS	
3	17-Nov	Sliding	16:15	17:45	01:30	7080	7165	85	15	56.67	20	6200	503	3300							85' @ HS	



Job Number: 14CAS0391
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Rig Name: XTREME COIL DRLG/HOU #7
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Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD: Lopez, Eric R
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

3	17-Nov	Sliding	19:30	20:45	01:15	7165	7251	86	15	68.80	20	6200	503	3300							85' @ HS
3	17-Nov	Sliding	21:15	22:10	00:55	7251	7286	35	15	38.18	20	6200	503	3300							35' @ HS
3	17-Nov	Rotating	22:10	22:20	00:10	7286	7294	8	15	48.00	20	6200	503	3300							
3	17-Nov	Sliding	22:30	22:45	00:15	7294	7304	10	15	40.00	20	6200	503	3300							10' @ HS
3	17-Nov	Rotating	22:45	23:05	00:20	7304	7337	33	15	99.00	20	6200	503	3300							
3	17-Nov	Sliding	23:10	00:00	00:50	7337	7379	42	15	50.40	20	6200	503	3300							42' @ HS
3	18-Nov	Rotating	00:25	00:35	00:10	7379	7385	6	15	36.00	20	6200	503	3300							
									Total Drilled:		984	Avg. On Bottom ROP:		66.71			DEPTH% - TIME%				
									Total Rotary Drilled:		47	Avg. Rotary ROP:		70.5	Percent Rotary:		4.78% - 4.52%				
									Total Drilled Sliding:		937	Avg. Slide ROP:		66.53	Percent Slide:		95.22% - 95.48%				



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Co. Man: Brandon patch

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:		Bit to Bend:	4.97
Pad OD:	5	NB Stab:	

Steering Sheet / DD Journal Report for BHA # 4 on Run # 4 for Job # 14CAS0391															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	19-Nov	Rotating	10:20	10:30	00:10	7385	7398	13	10	78.00	25	6500	314	3533							
4	19-Nov	Rotating	10:40	11:50	01:10	7398	7484	86	10	73.71	25	6500	314	3533							
4	19-Nov	Rotating	12:00	12:20	00:20	7484	7576	92	18	276.00	55	8800	314	3533							
4	19-Nov	Sliding	12:30	12:40	00:10	7576	7584	8	18	48.00	55	8800	314	3533							8' @ 210G
4	19-Nov	Rotating	12:40	13:00	00:20	7584	7662	78	18	234.00	55	8800	314	3533							
4	19-Nov	Rotating	13:10	13:30	00:20	7662	7747	85	18	255.00	55	8800	314	3533							
4	19-Nov	Sliding	13:40	14:00	00:20	7747	7759	12	18	36.00	55	8800	314	3533							12' @ 90L
4	19-Nov	Rotating	14:00	14:20	00:20	7759	7832	73	18	219.00	55	8800	314	3533							
4	19-Nov	Sliding	14:25	14:40	00:15	7832	7847	15	18	60.00	55	8800	314	3533							15' @ 90L
4	19-Nov	Rotating	14:40	15:30	00:50	7847	7918	71	18	85.20	55	8800	314	3533							
4	19-Nov	Sliding	15:40	16:00	00:20	7918	7938	20	18	60.00	55	8800	314	3533							20' @ 90L
4	19-Nov	Rotating	16:00	16:10	00:10	7938	7968	30	18	180.00	55	8800	314	3533							
4	19-Nov	Sliding	16:10	16:25	00:15	7968	7988	20	18	80.00	55	8800	314	3533							20' @ 90L
4	19-Nov	Rotating	16:25	16:30	00:05	7988	8003	15	18	180.00	55	8800	314	3533							
4	19-Nov	Sliding	16:50	17:15	00:25	8003	8033	30	18	72.00	55	8800	314	3533							30' @ 90L
4	19-Nov	Rotating	17:15	17:20	00:05	8033	8063	30	18	360.00	55	8800	314	3533							
4	19-Nov	Sliding	17:20	17:45	00:25	8063	8088	25	18	60.00	55	8800	314	3533							25' @ 90L



Job Number: 14CAS0391
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Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
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Co. Man: Brandon patch

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

4	19-Nov	Rotating	18:10	18:35	00:25	8088	8173	85	18	204.00	55	8800	314	3533							
4	19-Nov	Rotating	18:40	19:00	00:20	8173	8265	92	18	276.00	55	8800	314	3533							
4	19-Nov	Rotating	19:05	19:25	00:20	8265	8357	92	18	276.00	55	8800	314	3533							
4	19-Nov	Rotating	19:30	19:35	00:05	8357	8367	10	18	120.00	55	8800	314	3533							
4	19-Nov	Sliding	19:35	19:45	00:10	8367	8380	13	18	78.00	55	8800	314	3533							13' @ 90L
4	19-Nov	Rotating	19:45	20:00	00:15	8380	8449	69	18	276.00	55	8800	314	3533							
4	19-Nov	Rotating	20:05	20:15	00:10	8449	8460	11	18	66.00	55	8800	314	3533							
4	19-Nov	Sliding	20:15	20:25	00:10	8460	8470	10	18	60.00	55	8800	314	3533							10' @ 130L
4	19-Nov	Rotating	20:25	20:40	00:15	8470	8541	71	18	284.00	55	8800	314	3533							
4	19-Nov	Rotating	20:45	21:00	00:15	8541	8635	94	18	376.00	55	8800	314	3533							
4	19-Nov	Rotating	21:10	21:15	00:05	8635	8640	5	18	60.00	55	8800	314	3533							
4	19-Nov	Sliding	21:15	21:30	00:15	8640	8664	24	18	96.00	55	8800	314	3533							24' @ 90L
4	19-Nov	Rotating	21:30	21:40	00:10	8664	8728	64	18	384.00	55	8800	314	3533							
4	19-Nov	Rotating	21:50	22:05	00:15	8728	8823	95	18	380.00	55	8800	314	3533							
4	19-Nov	Rotating	22:10	22:30	00:20	8823	8916	93	18	279.00	55	8800	314	3533							
4	19-Nov	Rotating	22:40	23:00	00:20	8916	9011	95	18	285.00	55	8800	314	3533							
4	19-Nov	Rotating	23:05	23:15	00:10	9011	9020	9	18	54.00	55	8800	314	3533							
4	19-Nov	Sliding	23:15	23:30	00:15	9020	9035	15	18	60.00	55	8800	314	3533							15' @ 70L
4	19-Nov	Rotating	23:30	23:45	00:15	9035	9106	71	18	284.00	55	8800	314	3533							
4	19-Nov	Rotating	23:55	00:00	00:05	9106	9135	29	18	348.00	55	8800	314	3533							
4	20-Nov	Rotating	00:00	00:15	00:15	9135	9201	66	18	264.00	55	8800	314	3533							
4	20-Nov	Rotating	00:35	00:40	00:05	9201	9211	10	18	120.00	55	8800	314	3533							
4	20-Nov	Sliding	00:40	00:50	00:10	9211	9219	8	18	48.00	55	8800	314	3533							8' @ 150L
4	20-Nov	Rotating	00:50	01:05	00:15	9219	9295	76	18	304.00	55	8800	314	3533							



Job Number: 14CAS0391
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Rig Name: XTREME COIL DRLG/HOU #7
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Well State: Colorada

Well County: Weld
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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

4	20-Nov	Rotating	01:15	01:35	00:20	9295	9388	93	18	279.00	55	8800	314	3533						
4	20-Nov	Rotating	01:40	02:00	00:20	9388	9482	94	18	282.00	55	8800	314	3533						
4	20-Nov	Rotating	02:05	02:30	00:25	9482	9575	93	18	223.20	55	8800	314	3533						
4	20-Nov	Rotating	02:40	02:55	00:15	9575	9668	93	15	372.00	50	9100	314	3533						
4	20-Nov	Rotating	03:00	03:20	00:20	9668	9760	92	15	276.00	50	9100	314	3533						
4	20-Nov	Rotating	03:30	03:50	00:20	9760	9854	94	15	282.00	50	9100	314	3533						
4	20-Nov	Rotating	03:55	04:15	00:20	9854	9947	93	15	279.00	50	9100	314	3533						
4	20-Nov	Rotating	04:20	04:40	00:20	9947	10039	92	15	276.00	50	9100	314	3533						
4	20-Nov	Rotating	04:50	05:10	00:20	10039	10131	92	15	276.00	50	9100	314	3533						
4	20-Nov	Rotating	05:15	05:35	00:20	10131	10223	92	15	276.00	50	9100	314	3533						
4	20-Nov	Rotating	05:45	06:10	00:25	10223	10315	92	15	220.80	50	9100	314	3533						
4	20-Nov	Rotating	06:15	06:35	00:20	10315	10405	90	15	270.00	50	9100	314	3533						
4	20-Nov	Sliding	06:45	06:55	00:10	10405	10420	15	15	90.00	50	9100	314	3533						15'@135R
4	20-Nov	Rotating	06:55	07:15	00:20	10420	10497	77	15	231.00	50	9100	314	3533						
4	20-Nov	Sliding	07:25	07:35	00:10	10497	10522	25	40	150.00	50	9100	314	3533						
4	20-Nov	Rotating	07:35	07:50	00:15	10522	10591	69	20	276.00	50	9100	314	3533						
4	20-Nov	Sliding	08:00	08:20	00:20	10591	10623	32	40	96.00	50	9100	314	3533						32'@150R
4	20-Nov	Rotating	08:20	08:30	00:10	10623	10683	60	20	360.00	50	9100	314	3533						
4	20-Nov	Sliding	08:40	08:55	00:15	10683	10708	25	45	100.00	50	9100	314	3533						25'@180G
4	20-Nov	Rotating	08:55	09:05	00:10	10708	10738	30	20	180.00	50	9100	314	3533						
4	20-Nov	Sliding	09:05	09:35	00:30	10738	10776	38	50	76.00	50	9100	314	3533						36'@165R
4	20-Nov	Rotating	09:40	10:05	00:25	10776	10869	93	20	223.20	50	9100	314	3533						
4	20-Nov	Sliding	10:20	10:40	00:20	10869	10914	45	55	135.00	50	9100	314	3533						45'@210L
4	20-Nov	Rotating	10:40	10:50	00:10	10914	10959	45	20	270.00	45	9100	314	3533						



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4	20-Nov	Rotating	11:00	11:15	00:15	10959	11053	94	20	376.00	45	9100	314	3533							
4	20-Nov	Rotating	11:25	11:40	00:15	11053	11145	92	20	368.00	45	9100	314	3533							
4	20-Nov	Sliding	11:50	12:10	00:20	11145	11175	30	55	90.00	45	9100	314	3533							30"@330L
4	20-Nov	Rotating	12:10	12:20	00:10	11175	11236	61	20	366.00	45	9100	314	3533							
4	20-Nov	Sliding	12:30	12:55	00:25	11236	11266	30	55	72.00	45	9100	314	3533							30'@33L
4	20-Nov	Rotating	12:55	13:05	00:10	11266	11329	63	20	378.00	45	9100	314	3533							
4	20-Nov	Rotating	13:20	13:35	00:15	11329	11421	92	20	368.00	45	9100	314	3533							
4	20-Nov	Rotating	14:35	15:00	00:25	11421	11516	95	20	228.00	45	9100	314	3533							
4	20-Nov	Rotating	15:05	15:20	00:15	11516	11613	97	20	388.00	45	9100	314	3533							
4	20-Nov	Rotating	15:30	15:50	00:20	11613	11706	93	20	279.00	45	9100	314	3533							
4	20-Nov	Sliding	15:55	16:20	00:25	11706	11732	26	20	62.40	45	9100	314	3533							26'@330L
4	20-Nov	Rotating	16:20	16:40	00:20	11732	11798	66	20	198.00	45	9100	314	3533							
4	20-Nov	Sliding	17:15	17:35	00:20	11798	11828	30	20	90.00	45	9100	314	3533							30' @ 90L
4	20-Nov	Rotating	17:35	17:55	00:20	11828	11884	56	20	168.00	45	9100	314	3533							
4	20-Nov	Rotating	18:00	18:05	00:05	11884	11894	10	20	120.00	45	9100	314	3533							
4	20-Nov	Sliding	18:05	18:35	00:30	11894	11917	23	20	46.00	45	9100	314	3533							23' @ 90L
4	20-Nov	Rotating	18:35	18:50	00:15	11917	11969	52	20	208.00	45	9100	314	3533							
4	20-Nov	Rotating	19:00	19:25	00:25	11969	12054	85	20	204.00	45	9100	314	3533							
4	20-Nov	Rotating	19:35	19:55	00:20	12054	12139	85	20	255.00	45	9100	314	3533							
4	20-Nov	Rotating	20:05	20:15	00:10	12139	12224	85	20	510.00	45	9100	314	3533							
4	20-Nov	Rotating	20:25	20:30	00:05	12224	12234	10	20	120.00	45	9100	314	3533							
4	20-Nov	Sliding	20:30	20:40	00:10	12234	12246	12	20	72.00	45	9100	314	3533							12' @ 130L
4	20-Nov	Rotating	20:40	21:00	00:20	12246	12309	63	20	189.00	45	9100	314	3533							
4	20-Nov	Rotating	21:05	21:10	00:05	12309	12315	6	20	72.00	45	9100	314	3533							



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Lead DD: Lopez, Eric R
Co. Man: Brandon patch

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

4	20-Nov	Sliding	21:10	21:20	00:10	12315	12321	6	20	36.00	45	9100	314	3533							6' @ 180
4	20-Nov	Rotating	21:20	21:40	00:20	12321	12394	73	20	219.00	45	9100	314	3533							
4	20-Nov	Rotating	21:50	22:00	00:10	12394	12480	86	20	516.00	45	9100	314	3533							
4	20-Nov	Rotating	22:10	22:30	00:20	12480	12568	88	20	264.00	45	9100	314	3533							
4	20-Nov	Rotating	22:35	22:50	00:15	12568	12657	89	20	356.00	45	9100	314	3533							
4	20-Nov	Rotating	23:00	23:15	00:15	12657	12743	86	20	344.00	45	9100	314	3533							
4	20-Nov	Rotating	23:25	23:30	00:05	12743	12753	10	20	120.00	45	9100	314	3533							
4	20-Nov	Sliding	23:30	23:50	00:20	12753	12765	12	20	36.00	45	9100	314	3533							12' @ 30R
4	20-Nov	Rotating	23:50	00:00	00:10	12765	12777	12	20	72.00	45	9100	314	3533							
4	21-Nov	Rotating	00:00	00:15	00:15	12777	12828	51	20	204.00	45	9100	314	3533							
4	21-Nov	Rotating	00:20	00:25	00:05	12828	12837	9	20	108.00	45	9100	314	3533							
4	21-Nov	Sliding	00:25	00:35	00:10	12837	12845	8	20	48.00	45	9100	314	3533							8' @ 30R
4	21-Nov	Rotating	00:35	00:55	00:20	12845	12913	68	20	204.00	45	9100	314	3533							
4	21-Nov	Rotating	01:00	01:20	00:20	12913	13002	89	20	267.00	45	9100	314	3533							
4	21-Nov	Rotating	01:25	01:40	00:15	13002	13089	87	20	348.00	45	9100	314	3533							
4	21-Nov	Rotating	01:50	01:55	00:05	13089	13097	8	20	96.00	45	9100	314	3533							
4	21-Nov	Sliding	01:55	02:10	00:15	13097	13105	8	20	32.00	45	9100	314	3533							8' @ 150L
4	21-Nov	Rotating	02:10	02:30	00:20	13105	13172	67	20	201.00	45	9100	314	3533							
4	21-Nov	Rotating	02:35	02:55	00:20	13172	13261	89	20	267.00	45	9100	314	3533							
4	21-Nov	Rotating	03:05	03:10	00:05	13261	13270	9	20	108.00	45	9100	314	3533							
4	21-Nov	Sliding	03:10	03:30	00:20	13270	13280	10	20	30.00	45	9100	314	3533							10' @ 150L
4	21-Nov	Rotating	03:30	03:45	00:15	13280	13347	67	20	268.00	45	9100	314	3533							
4	21-Nov	Rotating	03:50	04:10	00:20	13347	13432	85	20	255.00	45	9100	314	3533							
4	21-Nov	Rotating	04:15	04:35	00:20	13432	13517	85	20	255.00	45	9100	314	3533							



Job Number: 14CAS0391
Company Name: EXTRACTION OIL & GAS LLC
Rig Name: XTREME COIL DRLG/HOU #7
Well Name: Nelson Farm #06
Well Location: Lat: 40.55, Long: -104.906389
Well State: Colorado

Well County: Weld
Well Field: Wattenberg
Well Country:
Lead DD: Lopez, Eric R
Co. Man: Brandon patch

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

4	21-Nov	Rotating	04:40	05:00	00:20	13517	13602	85	20	255.00	45	9100	314	3533						
4	21-Nov	Rotating	05:10	05:30	00:20	13602	13687	85	20	255.00	45	9100	314	3533						
4	21-Nov	Rotating	06:10	06:35	00:25	13687	13772	85	20	204.00	45	9100	314	3533						
4	21-Nov	Rotating	06:50	07:10	00:20	13772	13857	85	20	255.00	45	9100	314	3533						
4	21-Nov	Rotating	07:25	07:30	00:05	13857	13867	10	20	120.00	45	9100	314	3533						
4	21-Nov	Sliding	07:30	08:30	01:00	13867	13902	35	55	35.00	45	9100	314	3533						35'@180G
4	21-Nov	Rotating	08:30	08:40	00:10	13902	13942	40	25	240.00	45	9100	314	3533						
4	21-Nov	Rotating	08:50	09:10	00:20	13942	13952	10	25	30.00	45	9100	314	3533						
4	21-Nov	Sliding	09:10	10:00	00:50	13952	13987	35	55	42.00	45	9100	314	3533						35'@230L
4	21-Nov	Rotating	10:00	10:15	00:15	13987	14028	41	25	164.00	45	9100	314	3533						
4	21-Nov	Rotating	10:25	10:30	00:05	14028	14038	10	25	120.00	45	9100	314	3533						
4	21-Nov	Sliding	10:30	11:05	00:35	14038	14063	25	55	42.86	45	9100	314	3533						25'@230L
4	21-Nov	Rotating	11:05	11:15	00:10	14063	14087	24	25	144.00	45	9100	314	3533						
4	21-Nov	Sliding	11:15	11:40	00:25	14087	14112	25	55	60.00	45	9100	314	3533						25'@230L
4	21-Nov	Rotating	11:50	12:10	00:20	14112	14195	83	25	249.00	45	9100	314	3533						
4	21-Nov	Rotating	12:20	12:35	00:15	14195	14282	87	25	348.00	45	9100	314	3533						
4	21-Nov	Rotating	12:45	13:15	00:30	14282	14365	83	25	166.00	45	9100	314	3533						
4	21-Nov	Rotating	13:25	13:50	00:25	14365	14453	88	25	211.20	45	9100	314	3533						
4	21-Nov	Rotating	14:00	14:30	00:30	14453	14538	85	25	170.00	45	9100	314	3533						
4	21-Nov	Rotating	14:40	14:45	00:05	14538	14575	37	25	444.00	45	9100	314	3533						

Total Drilled:	7190	Avg. On Bottom ROP:	186.35		DEPTH% - TIME%
Total Rotary Drilled:	6495	Avg. Rotary ROP:	236.9	Percent Rotary:	90.33% - 71.06%
Total Drilled Sliding:	695	Avg. Slide ROP:	62.24	Percent Slide:	9.67% - 28.94%