



END OF WELL REPORT

Prepared For:

**EnCana Oil & Gas (USA) Inc
Rodman Bruntz 2A-26H
Ensign 124
Weld County, CO**

Prepared By:

***Seth Burstad
Scientific Drilling
Rocky Mountain Region***

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Project: DJ Wattenberg
Site: S26-T2N-R66W (Rodman Bruntz)
Well: Rodman Bruntz 2A-26H
Wellbore: Hz
Design: Plan 5



↑ T M
Azimuths to True North
Magnetic North: 8.54°

Magnetic Field
Strength: 52644.5snT
Dip Angle: 66.73°
Date: 12/4/2013
Model: BGGM2013

WELL DETAILS: Rodman Bruntz 2A-26H

GL 5079' & KB 13' @ 5092.00ft (Ensign124) 5079.00
Northing Easting Latitude Longitude
1285804.49 3209804.41 40.115490 -104.749830

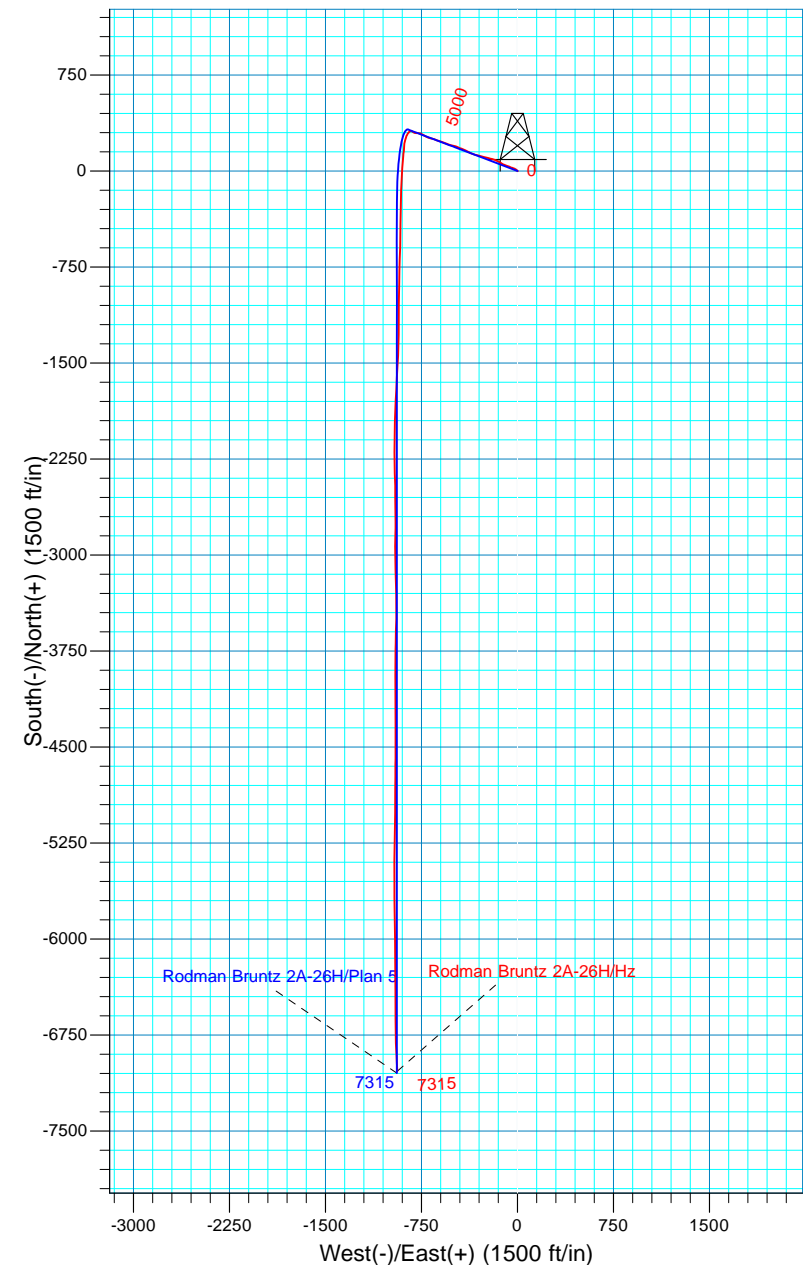
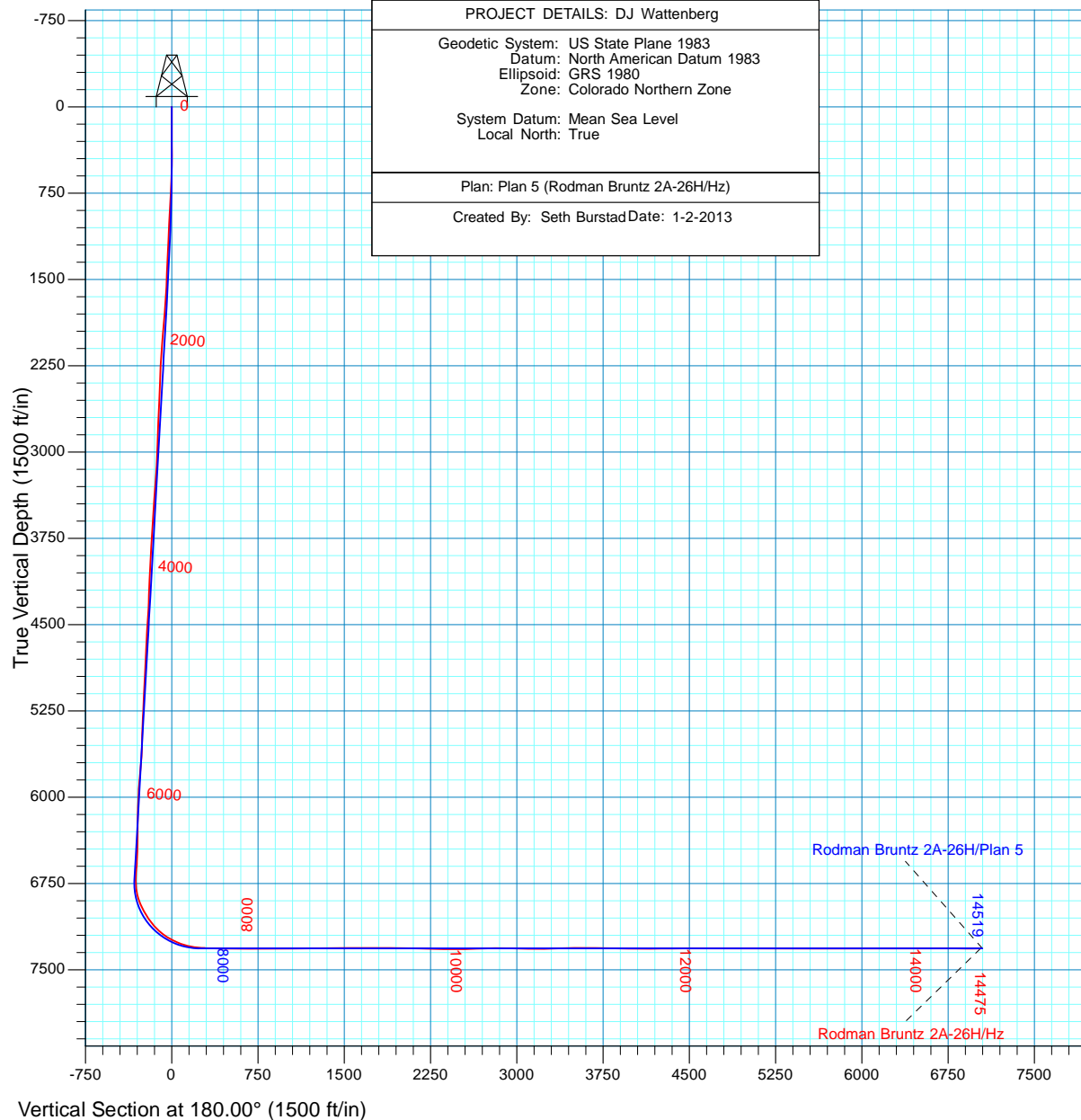
PROJECT DETAILS: DJ Wattenberg

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Northern Zone

System Datum: Mean Sea Level
Local North: True

Plan: Plan 5 (Rodman Bruntz 2A-26H/Hz)

Created By: Seth Burstad Date: 1-2-2013





EnCana Oil & Gas (USA) Inc

DJ Wattenberg

S26-T2N-R66W (Rodman Bruntz)

Rodman Bruntz 2A-26H

Hz

Design: Hz

Standard Survey Report

02 January, 2014





Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Rodman Bruntz 2A-26H
Project:	DJ Wattenberg	TVD Reference:	GL 5079' & KB 13' @ 5092.00ft (Ensign124)
Site:	S26-T2N-R66W (Rodman Bruntz)	MD Reference:	GL 5079' & KB 13' @ 5092.00ft (Ensign124)
Well:	Rodman Bruntz 2A-26H	North Reference:	True
Wellbore:	Hz	Survey Calculation Method:	Minimum Curvature
Design:	Hz	Database:	Casper District

Project	DJ Wattenberg		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site	S26-T2N-R66W (Rodman Bruntz)				
Site Position:		Northing:	1,285,915.36 usft	Latitude:	40.115810
From:	Lat/Long	Easting:	3,209,123.83 usft	Longitude:	-104.752260
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence:	0.48 °

Well	Rodman Bruntz 2A-26H, 354' FNL 1171' FWL Sec 26 T2N R66W					
Well Position	+N/-S	0.00 ft	Northing:	1,285,804.49 usft	Latitude:	40.115490
	+E/-W	0.00 ft	Easting:	3,209,804.41 usft	Longitude:	-104.749830
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,079.00 ft

Wellbore	Hz				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	1/16/2013	8.62	66.77	52,814
	BGGM2013	12/4/2013	8.54	66.73	52,644

Design	Hz				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	180.00	

Survey Program	Date	1/2/2014			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
238.00	1,163.00	Survey #1 - Surface (Hz)	SDI MWD	SDI MWD - Standard ver 1.0.1	
1,267.00	7,667.00	Survey #2 - Vertical / Curve (Hz)	SDI MWD	SDI MWD - Standard ver 1.0.1	
7,753.00	14,475.00	Survey #3 - Lateral (Hz)	SDI MWD	SDI MWD - Standard ver 1.0.1	

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
238.00	0.44	137.47	238.00	-0.67	0.62	0.67	0.18	0.18	0.00	
First SDI MWD Survey										
331.00	0.38	135.03	331.00	-1.15	1.08	1.15	0.07	-0.06	-2.62	
424.00	0.46	121.58	423.99	-1.57	1.61	1.57	0.14	0.09	-14.46	
517.00	1.19	306.42	516.99	-1.19	1.15	1.19	1.77	0.78	-188.34	
610.00	2.72	307.20	609.93	0.72	-1.38	-0.72	1.65	1.65	0.84	

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Rodman Bruntz 2A-26H
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Site:	S26-T2N-R66W (Rodman Bruntz)	MD Reference:	GL 5079' & KB 13' @ 5092.00ft (Ensign124)
Well:	Rodman Bruntz 2A-26H	North Reference:	True
Wellbore:	Hz	Survey Calculation Method:	Minimum Curvature
Design:	Hz	Database:	Casper District

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
703.00	4.30	314.90	702.75	4.51	-5.61	-4.51	1.77	1.70	8.28
796.00	5.18	309.23	795.44	9.63	-11.33	-9.63	1.07	0.95	-6.10
889.00	6.23	299.41	887.98	14.76	-18.98	-14.76	1.54	1.13	-10.56
982.00	7.43	292.30	980.32	19.52	-28.94	-19.52	1.58	1.29	-7.65
1,075.00	7.45	286.66	1,072.53	23.53	-40.28	-23.53	0.79	0.02	-6.06
1,163.00	7.64	290.61	1,159.77	27.23	-51.22	-27.23	0.63	0.22	4.49
1,267.00	7.49	291.84	1,262.87	32.18	-63.98	-32.18	0.21	-0.14	1.18
1,453.00	7.04	290.68	1,447.37	40.72	-85.90	-40.72	0.25	-0.24	-0.62
1,638.00	6.80	292.70	1,631.03	48.95	-106.61	-48.95	0.18	-0.13	1.09
1,824.00	9.81	303.62	1,815.07	61.97	-129.97	-61.97	1.82	1.62	5.87
2,012.00	11.01	295.32	1,999.98	78.52	-159.54	-78.52	1.02	0.64	-4.41
2,202.00	11.55	285.25	2,186.33	91.29	-194.29	-91.29	1.07	0.28	-5.30
2,391.00	9.80	283.08	2,372.05	99.90	-228.22	-99.90	0.95	-0.93	-1.15
2,581.00	9.60	285.66	2,559.33	107.84	-259.22	-107.84	0.25	-0.11	1.36
2,770.00	8.73	284.75	2,745.92	115.74	-288.27	-115.74	0.47	-0.46	-0.48
2,960.00	8.77	281.94	2,933.71	122.41	-316.38	-122.41	0.23	0.02	-1.48
3,149.00	8.95	289.86	3,120.46	130.39	-344.31	-130.39	0.65	0.10	4.19
3,339.00	9.42	298.85	3,308.03	142.91	-371.83	-142.91	0.79	0.25	4.73
3,528.00	9.25	297.72	3,494.53	157.44	-398.82	-157.44	0.13	-0.09	-0.60
3,717.00	8.37	287.48	3,681.31	168.64	-425.39	-168.64	0.95	-0.47	-5.42
3,907.00	8.80	294.88	3,869.19	178.91	-451.77	-178.91	0.62	0.23	3.89
4,097.00	7.55	291.84	4,057.25	189.67	-476.54	-189.67	0.70	-0.66	-1.60
4,286.00	9.13	279.69	4,244.26	196.81	-502.85	-196.81	1.25	0.84	-6.43
4,476.00	11.19	290.84	4,431.29	205.91	-534.95	-205.91	1.49	1.08	5.87
4,666.00	7.90	288.98	4,618.64	216.72	-564.53	-216.72	1.74	-1.73	-0.98
4,855.00	9.09	289.51	4,805.56	225.93	-590.89	-225.93	0.63	0.63	0.28
5,045.00	8.64	286.90	4,993.29	235.09	-618.69	-235.09	0.32	-0.24	-1.37
5,235.00	6.64	296.98	5,181.60	244.22	-642.14	-244.22	1.26	-1.05	5.31
5,425.00	8.53	282.13	5,369.95	252.17	-665.71	-252.17	1.43	0.99	-7.82
5,614.00	6.96	283.74	5,557.22	257.83	-690.54	-257.83	0.84	-0.83	0.85
5,803.00	10.78	301.64	5,743.96	269.83	-716.72	-269.83	2.47	2.02	9.47
5,993.00	6.80	302.09	5,931.69	285.14	-741.39	-285.14	2.10	-2.09	0.24
6,182.00	8.11	280.48	6,119.12	293.51	-763.98	-293.51	1.62	0.69	-11.43
6,372.00	6.71	269.43	6,307.54	295.83	-788.26	-295.83	1.05	-0.74	-5.82
6,561.00	4.53	293.86	6,495.65	298.74	-806.14	-298.74	1.69	-1.15	12.93
6,687.00	9.53	300.58	6,620.66	306.07	-819.68	-306.07	4.01	3.97	5.33
6,750.00	8.15	292.32	6,682.92	310.42	-828.30	-310.42	2.97	-2.19	-13.11
6,781.00	7.63	272.62	6,713.63	311.35	-832.39	-311.35	8.84	-1.68	-63.55
6,813.00	8.61	258.93	6,745.31	310.98	-836.86	-310.98	6.75	3.06	-42.78
6,844.00	10.15	244.23	6,775.90	309.35	-841.60	-309.35	9.15	4.97	-47.42
6,876.00	12.03	229.05	6,807.31	305.94	-846.66	-305.94	10.80	5.88	-47.44
6,908.00	14.58	217.27	6,838.45	300.55	-851.62	-300.55	11.59	7.97	-36.81
6,939.00	18.06	211.16	6,868.20	293.33	-856.47	-293.33	12.50	11.23	-19.71
6,971.00	21.63	206.39	6,898.30	283.79	-861.66	-283.79	12.24	11.16	-14.91

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Well:	Rodman Bruntz 2A-26H	North Reference:	True
Wellbore:	Hz	Survey Calculation Method:	Minimum Curvature
Design:	Hz	Database:	Casper District

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
7,003.00	25.19	203.71	6,927.66	272.27	-867.02	-272.27	11.61	11.13	-8.38
7,034.00	27.81	199.48	6,955.40	259.41	-872.09	-259.41	10.41	8.45	-13.65
7,066.00	29.55	196.29	6,983.48	244.80	-876.79	-244.80	7.24	5.44	-9.97
7,097.00	29.73	192.41	7,010.42	229.95	-880.59	-229.95	6.22	0.58	-12.52
7,129.00	32.00	189.09	7,037.89	213.83	-883.63	-213.83	8.87	7.09	-10.38
7,161.00	35.28	184.66	7,064.53	196.24	-885.72	-196.24	12.80	10.25	-13.84
7,192.00	38.78	184.93	7,089.28	177.64	-887.28	-177.64	11.30	11.29	0.87
7,224.00	41.57	185.23	7,113.72	157.07	-889.11	-157.07	8.74	8.72	0.94
7,256.00	43.66	185.36	7,137.27	135.50	-891.11	-135.50	6.54	6.53	0.41
7,287.00	46.96	184.23	7,159.07	113.54	-892.95	-113.54	10.96	10.65	-3.65
7,319.00	50.95	184.20	7,180.08	89.48	-894.72	-89.48	12.47	12.47	-0.09
7,350.00	54.41	184.23	7,198.87	64.90	-896.53	-64.90	11.16	11.16	0.10
7,382.00	57.51	183.62	7,216.78	38.45	-898.35	-38.45	9.82	9.69	-1.91
7,413.00	60.60	182.97	7,232.72	11.91	-899.87	-11.91	10.13	9.97	-2.10
7,445.00	64.02	184.24	7,247.59	-16.37	-901.66	16.37	11.25	10.69	3.97
7,477.00	66.44	184.53	7,260.99	-45.34	-903.88	45.34	7.61	7.56	0.91
7,508.00	68.97	184.44	7,272.75	-73.93	-906.12	73.93	8.17	8.16	-0.29
7,540.00	72.85	183.53	7,283.22	-104.09	-908.22	104.09	12.42	12.13	-2.84
7,571.00	76.28	182.12	7,291.47	-133.93	-909.69	133.93	11.90	11.06	-4.55
7,603.00	78.73	181.22	7,298.39	-165.16	-910.60	165.16	8.13	7.66	-2.81
7,635.00	81.18	180.42	7,303.97	-196.66	-911.05	196.66	8.04	7.66	-2.50
7,667.00	84.09	180.44	7,308.07	-228.39	-911.29	228.39	9.09	9.09	0.06
Last Survey in 8 3/4" Hole									
7,753.00	89.16	180.39	7,313.14	-314.21	-911.91	314.21	5.90	5.90	-0.06
First Survey in 6" Hole									
7,846.00	88.93	181.31	7,314.69	-407.19	-913.29	407.19	1.02	-0.25	0.99
7,939.00	88.09	180.47	7,317.10	-500.14	-914.73	500.14	1.28	-0.90	-0.90
8,032.00	89.73	181.93	7,318.87	-593.10	-916.68	593.10	2.36	1.76	1.57
8,125.00	90.47	182.12	7,318.71	-686.04	-919.97	686.04	0.82	0.80	0.20
8,218.00	90.64	181.51	7,317.81	-778.99	-922.91	778.99	0.68	0.18	-0.66
8,311.00	90.50	180.99	7,316.88	-871.96	-924.94	871.96	0.58	-0.15	-0.56
8,404.00	90.44	180.86	7,316.12	-964.95	-926.44	964.95	0.15	-0.06	-0.14
8,497.00	90.34	180.35	7,315.49	-1,057.94	-927.42	1,057.94	0.56	-0.11	-0.55
8,590.00	90.13	179.87	7,315.11	-1,150.94	-927.60	1,150.94	0.56	-0.23	-0.52
8,683.00	90.77	180.39	7,314.38	-1,243.94	-927.81	1,243.94	0.89	0.69	0.56
8,776.00	91.11	181.62	7,312.85	-1,336.91	-929.44	1,336.91	1.37	0.37	1.32
8,869.00	91.21	182.55	7,310.97	-1,429.82	-932.83	1,429.82	1.01	0.11	1.00
8,962.00	90.20	182.94	7,309.82	-1,522.71	-937.28	1,522.71	1.16	-1.09	0.42
9,055.00	89.36	183.24	7,310.18	-1,615.57	-942.29	1,615.57	0.96	-0.90	0.32
9,147.00	89.40	183.08	7,311.18	-1,707.43	-947.36	1,707.43	0.18	0.04	-0.17
9,240.00	89.13	182.45	7,312.37	-1,800.31	-951.85	1,800.31	0.74	-0.29	-0.68
9,333.00	89.56	182.42	7,313.43	-1,893.22	-955.80	1,893.22	0.46	0.46	-0.03
9,426.00	89.40	181.38	7,314.28	-1,986.16	-958.88	1,986.16	1.13	-0.17	-1.12

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Wellbore:	Hz	Survey Calculation Method:	Minimum Curvature
Design:	Hz	Database:	Casper District

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
9,519.00	88.63	180.12	7,315.88	-2,079.14	-960.10	2,079.14	1.59	-0.83	-1.35	
9,613.00	89.06	179.91	7,317.77	-2,173.12	-960.13	2,173.12	0.51	0.46	-0.22	
9,708.00	89.33	179.74	7,319.10	-2,268.11	-959.84	2,268.11	0.34	0.28	-0.18	
9,803.00	89.10	178.90	7,320.41	-2,363.09	-958.71	2,363.09	0.92	-0.24	-0.88	
9,898.00	89.83	178.60	7,321.29	-2,458.07	-956.64	2,458.07	0.83	0.77	-0.32	
9,993.00	91.24	179.80	7,320.41	-2,553.05	-955.31	2,553.05	1.95	1.48	1.26	
10,087.00	91.65	178.93	7,318.04	-2,647.01	-954.27	2,647.01	1.02	0.44	-0.93	
10,182.00	91.77	179.72	7,315.20	-2,741.96	-953.15	2,741.96	0.84	0.13	0.83	
10,277.00	90.81	181.05	7,313.06	-2,836.93	-953.79	2,836.93	1.73	-1.01	1.40	
10,372.00	89.00	180.98	7,313.22	-2,931.91	-955.47	2,931.91	1.91	-1.91	-0.07	
10,466.00	87.33	178.77	7,316.23	-3,025.86	-955.27	3,025.86	2.95	-1.78	-2.35	
10,561.00	88.92	178.04	7,319.34	-3,120.77	-952.62	3,120.77	1.84	1.67	-0.77	
10,656.00	91.07	178.05	7,319.35	-3,215.70	-949.38	3,215.70	2.26	2.26	0.01	
10,751.00	92.02	179.39	7,316.78	-3,310.64	-947.26	3,310.64	1.73	1.00	1.41	
10,845.00	92.08	180.54	7,313.42	-3,404.58	-947.20	3,404.58	1.22	0.06	1.22	
10,940.00	90.94	180.72	7,310.92	-3,499.54	-948.25	3,499.54	1.21	-1.20	0.19	
11,035.00	90.10	180.78	7,310.06	-3,594.53	-949.49	3,594.53	0.89	-0.88	0.06	
11,130.00	88.66	181.69	7,311.08	-3,689.50	-951.54	3,689.50	1.79	-1.52	0.96	
11,224.00	87.72	180.56	7,314.05	-3,783.43	-953.38	3,783.43	1.56	-1.00	-1.20	
11,319.00	89.19	180.22	7,316.62	-3,878.39	-954.03	3,878.39	1.59	1.55	-0.36	
11,414.00	90.50	179.49	7,316.87	-3,973.39	-953.79	3,973.39	1.58	1.38	-0.77	
11,509.00	89.97	180.41	7,316.48	-4,068.38	-953.71	4,068.38	1.12	-0.56	0.97	
11,604.00	90.70	179.70	7,315.93	-4,163.38	-953.80	4,163.38	1.07	0.77	-0.75	
11,699.00	89.66	179.80	7,315.63	-4,258.38	-953.38	4,258.38	1.10	-1.09	0.11	
11,794.00	90.57	179.31	7,315.44	-4,353.37	-952.65	4,353.37	1.09	0.96	-0.52	
11,889.00	90.13	180.91	7,314.86	-4,448.37	-952.83	4,448.37	1.75	-0.46	1.68	
11,984.00	90.50	179.61	7,314.34	-4,543.36	-953.26	4,543.36	1.42	0.39	-1.37	
12,078.00	89.43	180.94	7,314.39	-4,637.36	-953.71	4,637.36	1.82	-1.14	1.41	
12,173.00	89.20	180.35	7,315.53	-4,732.35	-954.78	4,732.35	0.67	-0.24	-0.62	
12,268.00	90.50	180.41	7,315.78	-4,827.34	-955.41	4,827.34	1.37	1.37	0.06	
12,363.00	91.01	179.32	7,314.53	-4,922.33	-955.19	4,922.33	1.27	0.54	-1.15	
12,457.00	90.74	180.91	7,313.09	-5,016.32	-955.38	5,016.32	1.72	-0.29	1.69	
12,552.00	89.03	181.80	7,313.28	-5,111.29	-957.62	5,111.29	2.03	-1.80	0.94	
12,647.00	88.96	180.82	7,314.95	-5,206.25	-959.79	5,206.25	1.03	-0.07	-1.03	
12,742.00	89.43	180.45	7,316.28	-5,301.23	-960.85	5,301.23	0.63	0.49	-0.39	
12,836.00	90.94	180.81	7,315.98	-5,395.22	-961.88	5,395.22	1.65	1.61	0.38	
12,931.00	88.86	179.89	7,316.14	-5,490.21	-962.46	5,490.21	2.39	-2.19	-0.97	
13,026.00	89.23	179.68	7,317.73	-5,585.20	-962.10	5,585.20	0.45	0.39	-0.22	
13,120.00	90.07	179.58	7,318.30	-5,679.19	-961.50	5,679.19	0.90	0.89	-0.11	
13,215.00	90.81	179.64	7,317.57	-5,774.19	-960.85	5,774.19	0.78	0.78	0.06	
13,310.00	90.61	179.09	7,316.39	-5,869.18	-959.80	5,869.18	0.62	-0.21	-0.58	
13,404.00	90.91	178.73	7,315.15	-5,963.15	-958.01	5,963.15	0.50	0.32	-0.38	
13,499.00	89.97	179.23	7,314.42	-6,058.13	-956.32	6,058.13	1.12	-0.99	0.53	
13,593.00	90.30	179.40	7,314.20	-6,152.12	-955.19	6,152.12	0.39	0.35	0.18	



Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Rodman Bruntz 2A-26H
Project:	DJ Wattenberg	TVD Reference:	GL 5079' & KB 13' @ 5092.00ft (Ensign124)
Site:	S26-T2N-R66W (Rodman Bruntz)	MD Reference:	GL 5079' & KB 13' @ 5092.00ft (Ensign124)
Well:	Rodman Bruntz 2A-26H	North Reference:	True
Wellbore:	Hz	Survey Calculation Method:	Minimum Curvature
Design:	Hz	Database:	Casper District

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
13,688.00	89.09	179.85	7,314.70	-6,247.12	-954.57	6,247.12	1.36	-1.27	0.47
13,783.00	89.33	179.87	7,316.01	-6,342.11	-954.34	6,342.11	0.25	0.25	0.02
13,878.00	90.00	179.87	7,316.57	-6,437.11	-954.12	6,437.11	0.71	0.71	0.00
13,972.00	90.84	179.82	7,315.88	-6,531.10	-953.87	6,531.10	0.90	0.89	-0.05
14,067.00	89.90	179.45	7,315.27	-6,626.10	-953.27	6,626.10	1.06	-0.99	-0.39
14,162.00	90.24	178.84	7,315.15	-6,721.09	-951.85	6,721.09	0.74	0.36	-0.64
14,257.00	89.87	177.98	7,315.06	-6,816.05	-949.21	6,816.05	0.99	-0.39	-0.91
14,352.00	89.70	177.28	7,315.41	-6,910.97	-945.28	6,910.97	0.76	-0.18	-0.74
14,412.00	90.17	177.32	7,315.48	-6,970.90	-942.46	6,970.90	0.79	0.78	0.07
Last SDI MWD Survey									
14,475.00	90.17	177.32	7,315.30	-7,033.83	-939.51	7,033.83	0.00	0.00	0.00
Projection to TD									

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
238.00	238.00	-0.67	0.62	First SDI MWD Survey
7,667.00	7,308.07	-228.39	-911.29	Last Survey in 8 3/4" Hole
7,753.00	7,313.14	-314.21	-911.91	First Survey in 6" Hole
14,412.00	7,315.48	-6,970.90	-942.46	Last SDI MWD Survey
14,475.00	7,315.30	-7,033.83	-939.51	Projection to TD

Checked By: _____	Approved By: _____	Date: _____
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JOB NO.: 92890
Company: EnCana Oil & Gas (USA) Inc.
LOCATION:
RIG NAME: Ensign 124
STATE: Colorado
COUNTY: Weld
WELL NAME: Rodman Bruntz 2A-26H
Lead Directional : Steven Schlamp (10800)

Report Time: 2400 2 of 16
API JOB # 05-123-38186
WORK ORDER#
FIELD: Wattenberg
Township: 2N
Range/Section 66W 26
Company Man David / Paul
2nd Dir Hand : Kevin Hoshall

From Monday, December 16, 2013 at 0000 to Monday, December 16, 2013 at 2400

DAILY TOTALS		ASSEMBLY TOTALS										
Start Depth	0.00	BHA #	Motor SN / R.S. SN	Slide Ftg	Slide Hrs	Rotate Ftg	Rotate Hrs	Circ Hrs	D & C Hrs	BHA Ftg	Avg ROP	
End Depth	0.00											
Below Rot Hrs.	0.00											
Total Drilled:	0.00	Drilling Parameters		Mud Record		Bit Record			Current BHA # 0			
Avg. Total ROP:	NA											
Slide Footage:	0.00	WOB:	0	Weight:	0	Bit No:						
Slide Hours	0.00	Rot Wt:	0	Visc:	0	Model						
Avg. Slide ROP:	NA	Pick UP:	0	Chlorides:	0	SN.:						
Rotate Footage:	0.00	Slack Off:	0	YP:	0	MFG.						
Rotary Hours	0.00	SPP:	0	PV:	0	Type						
Avg. Rot ROP:	NA	Flow:	0 - 0	PH:	0	IADC						
Circ Hours	0.00	SPM:	0	GAS:	0	JETS						
Ream Hours	0.00	Rot. RPM	-	SAND:	0	TFA:						
Rotary Hrs%:	NA	Mot RPM:	-	WL:	0	Hole ID: N/A						
Slide Hrs%:	NA	Incl. In:	0	SOLID:	0	Bit Hrs:						
Rotary Ftg%:	NA	Azm. In:	0	BHT°:	0	Bit Ftg:						
Slide Ftg%:	NA	Incl. Out:	0	Flow T°:	0	PUMPS						
CASING		Azm. Out:	0	Oil %:	0	Liner			0	0		
Size	Lb/Ft	MD	COST BREAKDOWN					Stroke			0	0
								Effic.			95.00%	95.00%
								Gal/Stk			0.00	0.00
								BBL/Stk			0.000	0.000

GENERAL COMMENT

Start Time	End Time	Hours	Start Depth	End Depth	Delta Depth	ROP	Activity Code	COMMENT
00:00	24:00	24.00	0	0	0	.00	Standby	Standby for directional BHA

JOB NO.: 92890
Company: EnCana Oil & Gas (USA) Inc.
LOCATION:
RIG NAME: Ensign 124
STATE: Colorado
COUNTY: Weld
WELL NAME: Rodman Bruntz 2A-26H
Lead Directional : Steven Schlamp (10800)

Report Time: 2400 3 of 16
API JOB # 05-123-38186
WORK ORDER#
FIELD: Wattenberg
Township: 2N
Range/Section 66W 26
Company Man David / Paul
2nd Dir Hand : Kevin Hoshall

From Tuesday, December 17, 2013 at 0000 to Tuesday, December 17, 2013 at 2400

DAILY TOTALS		ASSEMBLY TOTALS									
Start Depth	0.00	BHA #	Motor SN / R.S. SN	Slide Ftg	Slide Hrs	Rotate Ftg	Rotate Hrs	Circ Hrs	D & C Hrs	BHA Ftg	Avg ROP
End Depth	0.00										
Below Rot Hrs.	0.00										
Total Drilled:	0.00	Drilling Parameters		Mud Record		Bit Record		Current BHA # 0			
Avg. Total ROP:	NA										
Slide Footage:	0.00	WOB:	0	Weight:	0	Bit No:					
Slide Hours	0.00	Rot Wt:	0	Visc:	0	Model					
Avg. Slide ROP:	NA	Pick UP:	0	Chlorides:	0	SN.:					
Rotate Footage:	0.00	Slack Off:	0	YP:	0	MFG.					
Rotary Hours	0.00	SPP:	0	PV:	0	Type					
Avg. Rot ROP:	NA	Flow:	0 - 0	PH:	0	IADC					
Circ Hours	0.00	SPM:	0	GAS:	0	JETS					
Ream Hours	0.00	Rot. RPM	-	SAND:	0	TFA:					
Rotary Hrs%:	NA	Mot RPM:	-	WL:	0	Hole ID: N/A					
Slide Hrs%:	NA	Incl. In:	0	SOLID:	0	Bit Hrs:					
Rotary Ftg%:	NA	Azm. In:	0	BHT°:	0	Bit Ftg:					
Slide Ftg%:	NA	Incl. Out:	0	Flow T°:	0	PUMPS					
CASING		Azm. Out:	0	Oil %:	0	Liner	0	0			
Size	Lb/Ft	MD	COST BREAKDOWN					Stroke	0	0	
								Effic.	95.00%	95.00%	
								Gal/Stk	0.00	0.00	
								BBL/Stk	0.000	0.000	

GENERAL COMMENT

Start Time	End Time	Hours	Start Depth	End Depth	Delta Depth	ROP	Activity Code	COMMENT
00:00	24:00	24.00	0	0	0	.00	Standby	Standby

	JOB NO.: 92890 Company: EnCana Oil & Gas (USA) Inc. LOCATION: RIG NAME: Ensign 124 STATE: Colorado COUNTY: Weld WELL NAME: Rodman Bruntz 2A-26H Lead Directional : Steven Schlamp (10800)	Report Time: 2400 API JOB # 05-123-38186 WORK ORDER# FIELD: Wattenberg Township: 2N Range/Section 66W 26 Company Man Mike / Paul 2nd Dir Hand : Kevin Hoshall (10933)	4 of 16																				
From Wednesday, December 18, 2013 at 0000 to Wednesday, December 18, 2013 at 2400																							
DAILY TOTALS	ASSEMBLY TOTALS																						
Start Depth 68.00 End Depth 1220.00 Below Rot Hrs. 13.67 Total Drilled: 1140.00 Avg. Total ROP: 240.00 Slide Footage: 66.00 Slide Hours 0.50 Avg. Slide ROP: 132.00 Rotate Footage: 1074.00 Rotary Hours 4.25 Avg. Rot ROP: 252.71 Circ Hours 1.67 Ream Hours 0.00 Rotary Hrs%: 89.47 Slide Hrs%: 10.53 Rotary Ftg%: 94.21 Slide Ftg%: 5.79	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>BHA #</th> <th>Motor SN / R.S. SN</th> <th>Slide Ftg</th> <th>Slide Hrs</th> <th>Rotate Ftg</th> <th>Rotate Hrs</th> <th>Circ Hrs</th> <th>D & C Hrs</th> <th>BHA Ftg</th> <th>Avg ROP</th> </tr> <tr> <td>1</td> <td>844</td> <td>66.00</td> <td>0.50</td> <td>1,074.00</td> <td>4.25</td> <td>1.67</td> <td>6.42</td> <td>1,140.00</td> <td>177.66</td> </tr> </table>	BHA #	Motor SN / R.S. SN	Slide Ftg	Slide Hrs	Rotate Ftg	Rotate Hrs	Circ Hrs	D & C Hrs	BHA Ftg	Avg ROP	1	844	66.00	0.50	1,074.00	4.25	1.67	6.42	1,140.00	177.66		
BHA #	Motor SN / R.S. SN	Slide Ftg	Slide Hrs	Rotate Ftg	Rotate Hrs	Circ Hrs	D & C Hrs	BHA Ftg	Avg ROP														
1	844	66.00	0.50	1,074.00	4.25	1.67	6.42	1,140.00	177.66														
	Drilling Parameters	Mud Record	Bit Record																				
	WOB: 20 Rot Wt: 65 Pick UP: 65 Slack Off: 65 SPP: 2600 Flow: 0 - 687 SPM: 171 Rot. RPM 40 - 50 Mot RPM: 50 - 50 Incl. In: 0 Azm. In: 0 Incl. Out: 0 Azm. Out: 0	Weight: 0 Visc: 0 Chlorides: 0 YP: 0 PV: 0 PH: 0 GAS: 0 SAND: 0 WL: 0 SOLID: 0 BHT°: 0 Flow T°: 0 Oil %: 0	Bit No: 1 Model Baker Q506 SN.: 7142815 MFG. BAKER Type PDC IADC JETS 6-15 TFA: 1.035 Hole ID: 12 1/4 Bit Hrs: 4.75 Bit Ftg: 1140.00																				
	COST BREAKDOWN		PUMPS																				
			Baker Q506 8" Titan TD Motor 8" Steel X-Over 6 1/2" NMPC 6 1/2" NMDC 6 1/2" Orient Sub 6 1/2" Gap Sub 6 1/2" NMDC XT39 - 4 1/2 XH X-O Sub																				
CASING																							
Size Lb/Ft MD																							
GENERAL COMMENT																							
Start Time	End Time	Hours	Start Depth	End Depth	Delta Depth	ROP	Activity Code	COMMENT															
00:00	10:20	10.33	0	0	0	.00	Standby	Standby for Directional BHA															
10:20	10:30	0.17	0	0	0	.00	Other	Safety meeting w. rig crew															
10:30	12:00	1.50	0	68	68	45.33	Change BHA	PU Surface BHA & Install EM tool															
12:00	12:10	0.17	68	105	37	222.00	Drilling																
12:10	12:15	0.08	105	105	0	.00	Survey & Conn.	Survey & Conn.@0' Inc 0° Azm 0°															
12:15	12:40	0.42	105	202	97	232.80	Drilling																
12:40	12:50	0.17	202	202	0	.00	Survey & Conn.	Survey & Conn.@0' Inc 0° Azm 0°															
12:50	13:15	0.42	202	295	93	223.20	Drilling																
13:15	13:20	0.08	295	295	0	.00	Survey & Conn.	Survey & Conn.@238' Inc 0.44° Azm 137.47°															
13:20	13:40	0.33	295	331	36	108.00	Drilling	Drilling - (WOB:3;GPM :586;RPM:50)															
13:40	13:45	0.08	331	331	0	.00	Survey & Conn.	Survey & Conn.@238' Inc 0.44° Azm 137.47°															
13:45	14:05	0.33	331	481	150	450.00	Drilling	Drilling - (WOB:3;GPM :586;RPM:50)															
14:05	14:10	0.08	481	481	0	.00	Survey & Conn.	Survey & Conn.@424' Inc 0.46° Azm 121.58°															
14:10	14:15	0.08	481	496	15	180.00	Sliding	Drilling - (WOB:3;GPM :586;RPM:50)															

Winserve II Daily Report for Wednesday,
December 18, 2013

License: NP2245

Daily Report for JOB#: 92890 - Page 1 of 2

Start Time	End Time	Hours	Start Depth	End Depth	Delta Depth	ROP	Activity Code	COMMENT
14:15	14:35	0.33	496	574	78	234.00	Drilling	Drilling - (WOB:3;GPM :586;RPM:50)
14:35	14:40	0.08	574	574	0	.00	Survey & Conn.	Survey & Conn.@517' Inc 1.19° Azm 306.42°
14:40	15:10	0.50	574	661	87	174.00	Drilling	Drilling - (WOB:3;GPM :586;RPM:50)
15:10	15:40	0.50	661	661	0	.00	Circulating	Rig Service
15:40	15:45	0.08	661	661	0	.00	Survey & Conn.	Survey & Conn.@610' Inc 2.72° Azm 307.2°
15:45	15:50	0.08	661	673	12	144.00	Sliding	Sliding - (WOB:3;GPM :586;TFO:0)
15:50	16:10	0.33	673	760	87	261.00	Drilling	Drilling - (WOB:3;GPM :586;RPM:50)
16:10	16:15	0.08	760	760	0	.00	Survey & Conn.	Survey & Conn.@703' Inc 4.3° Azm 314.9°
16:15	16:20	0.08	760	772	12	144.00	Sliding	Sliding - (WOB:3;GPM :586;TFO:0))
16:20	16:35	0.25	772	853	81	324.00	Drilling	Drilling - (WOB:3;GPM :586;RPM:50)
16:35	16:40	0.08	853	853	0	.00	Survey & Conn.	Survey & Conn.@796' Inc 5.18° Azm 309.23°
16:40	16:45	0.08	853	865	12	144.00	Sliding	Sliding - (WOB:3;GPM :586;TFO:0)
16:45	17:05	0.33	865	946	81	243.00	Drilling	Drilling - (WOB:3;GPM :687;RPM:50)
17:05	17:10	0.08	946	946	0	.00	Survey & Conn.	Survey & Conn.@889' Inc 6.23° Azm 299.41°
17:10	17:15	0.08	946	956	10	120.00	Sliding	Sliding - (WOB:3;GPM :586;TFO:0)
17:15	17:25	0.17	956	1039	83	498.00	Drilling	Drilling - (WOB:3;GPM :687;RPM:50)
17:25	17:30	0.08	1039	1039	0	.00	Survey & Conn.	Survey & Conn.@982' Inc 7.43° Azm 292.3°
17:30	17:35	0.08	1039	1049	10	120.00	Sliding	Sliding - (WOB:3;GPM :586;TFO:0)
17:35	17:55	0.33	1049	1132	83	249.00	Drilling	Drilling - (WOB:3;GPM :687;RPM:50)
17:55	18:00	0.08	1132	1132	0	.00	Survey & Conn.	Survey & Conn.@1075' Inc 7.45° Azm 286.66°
18:00	18:05	0.08	1132	1139	7	84.00	Sliding	Sliding - (WOB:3;GPM :586;TFO:0)
18:05	18:25	0.33	1139	1220	81	243.00	Drilling	Drilling - (WOB:20;GPM :687;RPM:50)
18:25	18:30	0.08	1220	1220	0	.00	Survey & Conn.	Survey & Conn.@1163' Inc 7.64° Azm 290.61°
18:30	19:40	1.17	1220	1220	0	.00	Circulating	Circulating
19:40	21:30	1.83	1220	1220	0	.00	POOH	POOH
21:30	22:40	1.17	1220	1220	0	.00	Other	L/D BHA #1
22:40	24:00	1.33	1220	1220	0	.00	Other	Csg/ Cmt Ops

JOB NO.: 92890
Company: EnCana Oil & Gas (USA) Inc.
LOCATION:
RIG NAME: Ensign 124
STATE: Colorado
COUNTY: Weld
WELL NAME: Rodman Bruntz 2A-26H
Lead Directional : Steven Schlamp (10800)

Report Time: 2400 5 of 16
API JOB # 05-123-38186
WORK ORDER#
FIELD: Wattenberg
Township: 2N
Range/Section 66W 26
Company Man Mike / Paul
2nd Dir Hand : Kevin Hoshall (10933)

From Thursday, December 19, 2013 at 0000 to Thursday, December 19, 2013 at 2400

DAILY TOTALS		ASSEMBLY TOTALS									
Start Depth	0.00	BHA #	Motor SN / R.S. SN	Slide Ftg	Slide Hrs	Rotate Ftg	Rotate Hrs	Circ Hrs	D & C Hrs	BHA Ftg	Avg ROP
End Depth	0.00										
Below Rot Hrs.	24.00										
Total Drilled:	0.00	Drilling Parameters		Mud Record		Bit Record		Current BHA # 0			
Avg. Total ROP:	NA										
Slide Footage:	0.00	WOB: 20		Weight: 0		Bit No:					
Slide Hours	0.00	Rot Wt: 65		Visc: 0		Model					
Avg. Slide ROP:	NA	Pick UP: 65		Chlorides: 0		SN.:					
Rotate Footage:	0.00	Slack Off: 65		YP: 0		MFG.					
Rotary Hours	0.00	SPP: 2600		PV: 0		Type					
Avg. Rot ROP:	NA	Flow: 687 - 687		PH: 0		IADC					
Circ Hours	0.00	SPM: 171		GAS: 0		JETS					
Ream Hours	0.00	Rot. RPM -		SAND: 0		TFA:					
Rotary Hrs%:	NA	Mot RPM: -		WL: 0		Hole ID: N/A					
Slide Hrs%:	NA	Incl. In: 7.64		SOLID: 0		Bit Hrs:					
Rotary Ftg%:	NA	Azm. In: 190.61		BHT°: 0		Bit Ftg:					
Slide Ftg%:	NA	Incl. Out: 7.64		Flow T°: 0		PUMPS					
Casing		Azm. Out: 190.61		Oil %: 0		Liner 0 0					
Size Lb/Ft MD		COST BREAKDOWN				Stroke 0 0					
						Effic. 95.00% 95.00%					
						Gal/Stk 0.00 0.00					
						BBL/Stk 0.000 0.000					

GENERAL COMMENT

Start Time	End Time	Hours	Start Depth	End Depth	Delta Depth	ROP	Activity Code	COMMENT
00:00	24:00	24.00	1220	1220	0	.00	Other	Csg/ Cmt/ Testing Ops

JOB NO.:	92890	Report Time:	2400	6 of 16
Company:	EnCana Oil & Gas (USA) Inc.	API JOB #	05-123-38186	
LOCATION:		WORK ORDER#		
RIG NAME:	Ensign 124	FIELD:	Wattenberg	
STATE:	Colorado	Township:	2N	
COUNTY:	Weld	Range/Section	66W	26
WELL NAME:	Rodman Bruntz 2A-26H	Company Man	Mike / Paul	
Lead Directional :	Steven Schlamp (10800)	2nd Dir Hand :	Kevin Hoshall (10933)	

From Friday, December 20, 2013 at 0000 to Friday, December 20, 2013 at 2400

DAILY TOTALS			ASSEMBLY TOTALS									
Start Depth	1230.00		BHA #	Motor SN / R.S. SN	Slide Ftg	Slide Hrs	Rotate Ftg	Rotate Hrs	Circ Hrs	D & C Hrs	BHA Ftg	Avg ROP
End Depth	3397.00		2	6933	682.00	20.08	5,813.00	19.50	7.92	47.50	6,505.00	137.19
Below Rot Hrs.	15.17											
Total Drilled:	2167.00		Drilling Parameters		Mud Record		Bit Record		Current BHA # 2			
Avg. Total ROP:	448.34											
Slide Footage:	56.00		WOB:	20	Weight:	0	Bit No:	2	SDi611 6 1/2" Titan TD Drill Motor 6 1/2" NMPC 6 1/2" NMDC 6 1/2" Pulser Sub 6 1/2" NMDC 6 1/2" NMPC XT39 - 4 1/2 XH X-O Sub 60 Jnts HWDP			
Slide Hours	0.75		Rot Wt:	82	Visc:	0	Model	SDi611				
Avg. Slide ROP:	74.67		Pick UP:	85	Chlorides:	0	SN.:	JH3958				
Rotate Footage:	2111.00		Slack Off:	80	YP:	0	MFG.	SMITH				
Rotary Hours	4.08		SPP:	2600	PV:	0	Type	PDC				
Avg. Rot ROP:	516.98		Flow:	408 - 687	PH:	0	IADC					
Circ Hours	1.50		SPM:	143	GAS:	0	JETS	6-14				
Ream Hours	0.00		Rot. RPM	50 - 60	SAND:	0	TFA:	0.902				
Rotary Hrs%:	84.48		Mot RPM:	50 - 60	WL:	0	Hole ID:	8.75				
Slide Hrs%:	15.52		Incl. In:	7.64	SOLID:	0	Bit Hrs:	39.58				
Rotary Ftg%:	97.42		Azm. In:	190.61	BHT°:	0	Bit Ftg:	6495.00				
Slide Ftg%:	2.58		Incl. Out:	0	Flow T°:	0	PUMPS					
Casing		Azm. Out:	0	Oil %:	0							
Size	Lb/Ft	MD	COST BREAKDOWN				Liner	0	0			
							Stroke	0	0			
							Effic.	95.00%	95.00%			
							Gal/Stk	0.00	0.00			
							BBL/Stk	0.000	0.000			

GENERAL COMMENT

Start Time	End Time	Hours	Start Depth	End Depth	Delta Depth	ROP	Activity Code	COMMENT
00:00	08:50	8.83	1220	1220	0	.00	Standby	Standby for directional BHA
08:50	09:00	0.17	1220	1220	0	.00	Other	Safety meeting w. rig crew & review JSA
09:00	10:15	1.25	1220	1220	0	.00	Change BHA	PU Directional BHA & install MWD tool
10:15	11:00	0.75	1220	1220	0	.00	Other	Rig Service
11:00	12:00	1.00	1220	1220	0	.00	TIH	Single in 20 jnts. HWDP
12:00	14:00	2.00	1220	1220	0	.00	Rig repair	Work on Iron Derrickman
14:00	15:30	1.50	1220	1230	10	6.67	Circulating	Tag cement @1167 / drill cement & shoe track / 10' new hole
15:30	16:45	1.25	1230	1230	0	.00	Other	FIT
16:45	17:10	0.42	1230	1325	95	228.00	Drilling	Drilling - (WOB:20;GPM :687;RPM:50)
17:10	17:15	0.08	1325	1325	0	.00	Survey & Conn.	Survey & Conn.@1267' Inc 7.49° Azm 291.84°
17:15	17:45	0.50	1325	1511	186	372.00	Drilling	Drilling - (WOB:16;GPM :527;RPM:50)
17:45	17:50	0.08	1511	1511	0	.00	Survey & Conn.	Survey & Conn.@1453' Inc 7.04° Azm 290.68°
17:50	18:15	0.42	1511	1696	185	444.00	Drilling	Drilling - (WOB:20;GPM :600;RPM:50)
18:15	18:30	0.25	1696	1696	0	.00	Survey & Conn.	Survey & Conn.@1638' Inc 6.8° Azm 292.7°

Start Time	End Time	Hours	Start Depth	End Depth	Delta Depth	ROP	Activity Code	COMMENT
18:30	18:35	0.08	1696	1704	8	96.00	Sliding	Sliding - (WOB:20;GPM :586;TFO:0))
18:35	18:50	0.25	1704	1882	178	712.00	Drilling	Drilling - (WOB:20;GPM :600;RPM:50)
18:50	19:05	0.25	1882	1882	0	.00	Survey & Conn.	Survey & Conn.@1824' Inc 9.81° Azm 303.62°
19:05	19:10	0.08	1882	1887	5	60.00	Sliding	Sliding - (WOB:20;GPM :586;TFO:0)
19:10	19:25	0.25	1887	2070	183	732.00	Drilling	Drilling - (WOB:20;GPM :600;RPM:50)
19:25	19:40	0.25	2070	2070	0	.00	Survey & Conn.	Survey & Conn.@2012' Inc 11.01° Azm 295.32°
19:40	19:45	0.08	2070	2076	6	72.00	Sliding	Sliding - (WOB:20;GPM :586;TFO:0))
19:45	20:00	0.25	2076	2260	184	736.00	Drilling	Drilling - (WOB:20;GPM :600;RPM:50)
20:00	20:15	0.25	2260	2260	0	.00	Survey & Conn.	Survey & Conn.@2202' Inc 11.55° Azm 285.25°
20:15	20:35	0.33	2260	2449	189	567.00	Drilling	Drilling - (WOB:20;GPM :600;RPM:50)
20:35	20:45	0.17	2449	2449	0	.00	Survey & Conn.	Survey & Conn.@2391' Inc 9.8° Azm 283.08°
20:45	20:50	0.08	2449	2455	6	72.00	Sliding	Sliding - (WOB:20;GPM :600;TFO:0))
20:50	21:10	0.33	2455	2639	184	552.00	Drilling	Drilling - (WOB:20;GPM :600;RPM:50)
21:10	21:25	0.25	2639	2639	0	.00	Survey & Conn.	Survey & Conn.@2581' Inc 9.6° Azm 285.66°
21:25	21:30	0.08	2639	2644	5	60.00	Sliding	Sliding - (WOB:20;GPM :600;TFO:0)
21:30	21:45	0.25	2644	2828	184	736.00	Drilling	Drilling - (WOB:20;GPM :600;RPM:50)
21:45	21:55	0.17	2828	2828	0	.00	Survey & Conn.	Survey & Conn.@2770' Inc 8.73° Azm 284.75°
21:55	22:00	0.08	2828	2834	6	72.00	Sliding	Sliding - (WOB:20;GPM :600;TFO:0)
22:00	22:25	0.42	2834	3018	184	441.60	Drilling	Drilling - (WOB:20;GPM :600;RPM:50)
22:25	22:35	0.17	3018	3018	0	.00	Survey & Conn.	Survey & Conn.@2960' Inc 8.77° Azm 281.94°
22:35	22:40	0.08	3018	3026	8	96.00	Sliding	Sliding - (WOB:20;GPM :600;TFO:0)
22:40	22:55	0.25	3026	3117	91	364.00	Drilling	Drilling - (WOB:20;GPM :600;RPM:60)
22:55	23:00	0.08	3117	3121	4	48.00	Sliding	Sliding - (WOB:20;GPM :600;TFO:0))
23:00	23:05	0.08	3121	3207	86	1032.00	Drilling	Drilling - (WOB:20;GPM :600;RPM:60)
23:05	23:20	0.25	3207	3207	0	.00	Survey & Conn.	Survey & Conn.@3149' Inc 8.95° Azm 289.86°
23:20	23:25	0.08	3207	3215	8	96.00	Sliding	Sliding - (WOB:20;GPM :600;TFO:0)
23:25	23:45	0.33	3215	3397	182	546.00	Drilling	Drilling - (WOB:20;GPM :600;RPM:60)
23:45	24:00	0.25	3397	3397	0	.00	Survey & Conn.	Survey & Conn.@3339' Inc 9.42° Azm 298.85°

JOB NO.:	92890	Report Time:	2400	7 of 16
Company:	EnCana Oil & Gas (USA) Inc.	API JOB #	05-123-38186	
LOCATION:		WORK ORDER#		
RIG NAME:	Ensign 124	FIELD:	Wattenberg	
STATE:	Colorado	Township:	2N	
COUNTY:	Weld	Range/Section	66W	26
WELL NAME:	Rodman Bruntz 2A-26H	Company Man	Mike / Paul	
Lead Directional :	Steven Schlamp (10800)	2nd Dir Hand :	Kevin Hoshall (10933)	

From Saturday, December 21, 2013 at 0000 to Saturday, December 21, 2013 at 2400

DAILY TOTALS			ASSEMBLY TOTALS									
Start Depth	3397.00		BHA #	Motor SN / R.S. SN	Slide Ftg	Slide Hrs	Rotate Ftg	Rotate Hrs	Circ Hrs	D & C Hrs	BHA Ftg	Avg ROP
End Depth	7124.00		2	6933	682.00	20.08	5,813.00	19.50	7.92	47.50	6,505.00	137.19
Below Rot Hrs.	24.00											
Total Drilled:	3727.00		Drilling Parameters WOB: 20 Rot Wt: 144 Pick UP: 190 Slack Off: 125 SPP: 3600 Flow: 498 - 600 SPM: 119 Rot. RPM 30 - 60 Mot RPM: 30 - 65 Incl. In: 9.42 Azm. In: 298.85 Incl. Out: 0 Azm. Out: 0		Mud Record Weight: 0 Visc: 0 Chlorides: 0 YP: 0 PV: 0 PH: 0 GAS: 0 SAND: 0 WL: 0 SOLID: 0 BHT°: 0 Flow T°: 0 Oil %: 0		Bit Record Bit No: 2 Model SDi611 SN.: JH3958 MFG. SMITH Type PDC IADC JETS 6-14 TFA: 0.902 Hole ID: 8.75 Bit Hrs: 39.58 Bit Ftg: 6495.00		Current BHA # 2 SDi611 6 1/2" Titan TD Drill Motor 6 1/2" NMPC 6 1/2" NMDC 6 1/2" Pulser Sub 6 1/2" NMDC 6 1/2" NMPC XT39 - 4 1/2 XH X-O Sub 60 Jnts HWDP			
Avg. Total ROP:	198.77											
Slide Footage:	385.00											
Slide Hours	7.25											
Avg. Slide ROP:	53.10											
Rotate Footage:	3342.00											
Rotary Hours	11.50											
Avg. Rot ROP:	290.61											
Circ Hours	0.75											
Ream Hours	0.00											
Rotary Hrs%:	61.33											
Slide Hrs%:	38.67											
Rotary Ftg%:	89.67											
Slide Ftg%:	10.33											
CASING												
Size	Lb/Ft	MD										

Start Time	End Time	Hours	Start Depth	End Depth	Delta Depth	ROP	Activity Code	COMMENT
03:00	03:05	0.08	4253	4257	4	48.00	Sliding	Sliding - (WOB:20;GPM :600;TFO:0)
03:05	03:10	0.08	4257	4344	87	1044.00	Drilling	Drilling - (WOB:20;GPM :600;RPM:60)
03:10	03:25	0.25	4344	4344	0	.00	Survey & Conn.	Survey & Conn.@4286' Inc 9.13° Azm 279.69°
03:25	03:30	0.08	4344	4352	8	96.00	Sliding	Sliding - (WOB:20;GPM :600;TFO:0)
03:30	04:00	0.50	4352	4534	182	364.00	Drilling	Drilling - (WOB:20;GPM :600;RPM:60)
04:00	04:10	0.17	4534	4534	0	.00	Survey & Conn.	Survey & Conn.@4476' Inc 11.19° Azm 290.84°
04:10	04:35	0.42	4534	4724	190	456.00	Drilling	Drilling - (WOB:20;GPM :600;RPM:60)
04:35	04:55	0.33	4724	4724	0	.00	Survey & Conn.	Survey & Conn.@4666' Inc 7.9° Azm 288.98°
04:55	05:00	0.08	4724	4732	8	96.00	Sliding	Sliding - (WOB:20;GPM :600;TFO:0)
05:00	05:30	0.50	4732	4913	181	362.00	Drilling	Drilling - (WOB:20;GPM :600;RPM:60)
05:30	05:40	0.17	4913	4913	0	.00	Survey & Conn.	Survey & Conn.@4855' Inc 9.09° Azm 289.51°
05:40	06:15	0.58	4913	5103	190	325.71	Drilling	Drilling - (WOB:20;GPM :600;RPM:60)
06:15	06:20	0.08	5103	5103	0	.00	Survey & Conn.	Survey & Conn.@5045' Inc 8.64° Azm 286.9°
06:20	06:25	0.08	5103	5110	7	84.00	Sliding	Sliding - (WOB:20;GPM :600;TFO:0))
06:25	07:10	0.75	5110	5293	183	244.00	Drilling	Drilling - (WOB:20;GPM :600;RPM:60)
07:10	07:15	0.08	5293	5293	0	.00	Survey & Conn.	Survey & Conn.@5235' Inc 6.64° Azm 296.98°
07:15	07:30	0.25	5293	5310	17	68.00	Sliding	Sliding - (WOB:20;GPM :600;TFO:0))
07:30	08:10	0.67	5310	5483	173	259.50	Drilling	Drilling - (WOB:20;GPM :600;RPM:60)
08:10	08:15	0.08	5483	5483	0	.00	Survey & Conn.	Survey & Conn.@5425' Inc 8.53° Azm 282.13°
08:15	08:55	0.67	5483	5672	189	283.50	Drilling	Drilling - (WOB:20;GPM :600;RPM:60)
08:55	09:00	0.08	5672	5672	0	.00	Survey & Conn.	Survey & Conn.@5614' Inc 6.96° Azm 283.74°
09:00	09:15	0.25	5672	5694	22	88.00	Sliding	Sliding - (WOB:20;GPM :600;TFO:30))
09:15	10:10	0.92	5694	5861	167	182.18	Drilling	Drilling - (WOB:20;GPM :600;RPM:60)
10:10	10:15	0.08	5861	5861	0	.00	Survey & Conn.	Survey & Conn.@5803' Inc 10.78° Azm 301.64°
10:15	10:50	0.58	5861	6051	190	325.71	Drilling	Drilling - (WOB:20;GPM :600;RPM:60)
10:50	10:55	0.08	6051	6051	0	.00	Survey & Conn.	Survey & Conn.@5993' Inc 6.8° Azm 302.09°
10:55	11:20	0.42	6051	6075	24	57.60	Sliding	Sliding - (WOB:20;GPM :600;TFO:30))
11:20	12:00	0.67	6075	6240	165	247.50	Drilling	Drilling - (WOB:20;GPM :600;RPM:60)
12:00	12:05	0.08	6240	6240	0	.00	Survey & Conn.	Survey & Conn.@6182' Inc 8.11° Azm 280.48°
12:05	12:20	0.25	6240	6254	14	56.00	Sliding	Sliding - (WOB:20;GPM :600;TFO:30)
12:20	13:00	0.67	6254	6430	176	264.00	Drilling	Drilling - (WOB:20;GPM :600;RPM:60)
13:00	13:05	0.08	6430	6430	0	.00	Survey & Conn.	Survey & Conn.@6372' Inc 6.71° Azm 269.43°
13:05	13:45	0.67	6430	6460	30	45.00	Sliding	Sliding - (WOB:20;GPM :600;TFO:30))
13:45	14:25	0.67	6460	6619	159	238.50	Drilling	Drilling - (WOB:20;GPM :600;RPM:60)
14:25	14:30	0.08	6619	6619	0	.00	Survey & Conn.	Survey & Conn.@6561' Inc 4.53° Azm 293.86°
14:30	14:50	0.33	6619	6639	20	60.00	Sliding	Sliding - (WOB:20;GPM :600;TFO:290))
14:50	15:05	0.25	6639	6713	74	296.00	Drilling	Drilling - (WOB:20;GPM :600;RPM:60)
15:05	15:30	0.42	6713	6713	0	.00	Circulating	Rig Service
15:30	15:35	0.08	6713	6713	0	.00	Survey & Conn.	Survey & Conn.@6687' Inc 9.53° Azm 300.58°
15:35	15:55	0.33	6713	6745	32	96.00	Drilling	Drilling - (WOB:20;GPM :600;RPM:60)
15:55	16:00	0.08	6745	6745	0	.00	MWD Survey	MWD Survey@6687' Inc 9.53° Azm 300.58°
16:00	16:15	0.25	6745	6745	0	.00	Circulating	Trough KOP
16:15	16:40	0.42	6745	6767	22	52.80	Sliding	Sliding - (WOB:20;GPM :600;TFO:255))
16:40	16:45	0.08	6767	6776	9	108.00	Drilling	Drilling - (WOB:20;GPM :600;RPM:60)
16:45	17:40	0.92	6776	6798	22	24.00	Sliding	Sliding - (WOB:20;GPM :600;TFO:255)
17:40	17:45	0.08	6798	6808	10	120.00	Drilling	Drilling - (WOB:20;GPM :600;RPM:60)
17:45	17:50	0.08	6808	6808	0	.00	Survey & Conn.	Survey & Conn.@6750' Inc 8.15° Azm 292.32°
17:50	18:40	0.83	6808	6828	20	24.00	Sliding	Sliding - (WOB:20;GPM :500;TFO:255))

Start Time	End Time	Hours	Start Depth	End Depth	Delta Depth	ROP	Activity Code	COMMENT
18:40	18:50	0.17	6828	6839	11	66.00	Drilling	Drilling - (WOB:20;GPM :600;RPM:30)
18:50	19:00	0.17	6839	6839	0	.00	Survey & Conn.	Survey & Conn.@6781' Inc 7.63° Azm 272.62°
19:00	19:25	0.42	6839	6861	22	52.80	Sliding	Sliding - (WOB:20;GPM :500;TFO:255)
19:25	19:30	0.08	6861	6871	10	120.00	Drilling	Drilling - (WOB:20;GPM :500;RPM:30)
19:30	19:40	0.17	6871	6871	0	.00	Survey & Conn.	Survey & Conn.@6813' Inc 8.61° Azm 258.93°
19:40	20:00	0.33	6871	6893	22	66.00	Sliding	Sliding - (WOB:20;GPM :500;TFO:255)
20:00	20:05	0.08	6893	6902	9	108.00	Drilling	Drilling - (WOB:20;GPM :500;RPM:30)
20:05	20:25	0.33	6902	6902	0	.00	Survey & Conn.	Survey & Conn.@6844' Inc 10.15° Azm 244.23°
20:25	20:45	0.33	6902	6925	23	69.00	Drilling	Drilling - (WOB:20;GPM :500;RPM:30)
20:45	21:00	0.25	6925	6925	0	.00	Survey & Conn.	Survey & Conn.@6876' Inc 12.03° Azm 229.05°
21:00	21:15	0.25	6925	6947	22	88.00	Sliding	Sliding - (WOB:20;GPM :500;TFO:255)
21:15	21:20	0.08	6947	6966	19	228.00	Drilling	Drilling - (WOB:20;GPM :500;RPM:30)
21:20	21:25	0.08	6966	6966	0	.00	Survey & Conn.	Survey & Conn.@6908' Inc 14.58° Azm 217.27°
21:25	21:50	0.42	6966	6986	20	48.00	Sliding	Sliding - (WOB:20;GPM :500;TFO:255)
21:50	21:55	0.08	6986	6997	11	132.00	Drilling	Drilling - (WOB:20;GPM :500;RPM:30)
21:55	22:15	0.33	6997	6997	0	.00	Survey & Conn.	Survey & Conn.@6939' Inc 18.06° Azm 211.16°
22:15	22:25	0.17	6997	7012	15	90.00	Sliding	Sliding - (WOB:20;GPM :500;TFO:255)
22:25	22:35	0.17	7012	7029	17	102.00	Drilling	Drilling - (WOB:20;GPM :500;RPM:30)
22:35	22:40	0.08	7029	7029	0	.00	Survey & Conn.	Survey & Conn.@6971' Inc 21.63° Azm 206.39°
22:40	22:55	0.25	7029	7044	15	60.00	Sliding	Sliding - (WOB:20;GPM :500;TFO:255)
22:55	23:05	0.17	7044	7061	17	102.00	Drilling	Drilling - (WOB:20;GPM :500;RPM:30)
23:05	23:10	0.08	7061	7061	0	.00	Survey & Conn.	Survey & Conn.@7003' Inc 25.19° Azm 203.71°
23:10	23:20	0.17	7061	7067	6	36.00	Sliding	Sliding - (WOB:20;GPM :500;TFO:255)
23:20	23:25	0.08	7067	7092	25	300.00	Drilling	Drilling - (WOB:20;GPM :500;RPM:30)
23:25	23:45	0.33	7092	7092	0	.00	Survey & Conn.	Survey & Conn.@7034' Inc 27.81° Azm 199.48°
23:45	23:55	0.17	7092	7102	10	60.00	Sliding	Sliding - (WOB:20;GPM :500;TFO:255)
23:55	24:00	0.08	7102	7124	22	264.00	Drilling	Drilling - (WOB:20;GPM :500;RPM:30)

[illegible]

Start Time	End Time	Hours	Start Depth	End Depth	Delta Depth	ROP	Activity Code	COMMENT
02:40	02:50	0.17	7262	7282	20	120.00	Drilling	Drilling - (WOB:20;GPM :500;RPM:30)
02:50	03:05	0.25	7282	7282	0	.00	Survey & Conn.	Survey & Conn.@7224' Inc 41.57° Azm 185.23°
03:05	03:20	0.25	7282	7296	14	56.00	Sliding	Sliding - (WOB:20;GPM :500;TFO:255)
03:20	03:30	0.17	7296	7314	18	108.00	Drilling	Drilling - (WOB:20;GPM :500;RPM:30)
03:30	03:45	0.25	7314	7314	0	.00	Survey & Conn.	Survey & Conn.@7256' Inc 43.66° Azm 185.36°
03:45	04:05	0.33	7314	7329	15	45.00	Sliding	Sliding - (WOB:20;GPM :500;TFO:255)
04:05	04:15	0.17	7329	7345	16	96.00	Drilling	Drilling - (WOB:20;GPM :500;TFO:255))
04:15	04:20	0.08	7345	7345	0	.00	Survey & Conn.	Survey & Conn.@7287' Inc 46.96° Azm 184.23°
04:20	04:40	0.33	7345	7355	10	30.00	Sliding	Sliding - (WOB:20;GPM :500;TFO:255))
04:40	04:50	0.17	7355	7377	22	132.00	Drilling	Drilling - (WOB:20;GPM :500;RPM:30)
04:50	05:10	0.33	7377	7377	0	.00	Survey & Conn.	Survey & Conn.@7319' Inc 50.95° Azm 184.2°
05:10	05:25	0.25	7377	7385	8	32.00	Sliding	Sliding - (WOB:20;GPM :500;TFO:255))
05:25	05:35	0.17	7385	7408	23	138.00	Drilling	Drilling - (WOB:20;GPM :500;RPM:30)
05:35	05:40	0.08	7408	7408	0	.00	Survey & Conn.	Survey & Conn.@7350' Inc 54.41° Azm 184.23°
05:40	05:55	0.25	7408	7421	13	52.00	Sliding	Sliding - (WOB:20;GPM :500;TFO:255)
05:55	06:10	0.25	7421	7440	19	76.00	Drilling	Drilling - (WOB:20;GPM :500;RPM:30)
06:10	06:15	0.08	7440	7440	0	.00	Survey & Conn.	Survey & Conn.@7382' Inc 57.51° Azm 183.62°
06:15	06:45	0.50	7440	7450	10	20.00	Sliding	Sliding - (WOB:20;GPM :500;TFO:255)
06:45	07:00	0.25	7450	7471	21	84.00	Drilling	Drilling - (WOB:20;GPM :500;RPM:30)
07:00	07:05	0.08	7471	7471	0	.00	Survey & Conn.	Survey & Conn.@7413' Inc 60.6° Azm 182.97°
07:05	07:40	0.58	7471	7479	8	13.71	Sliding	Sliding - (WOB:20;GPM :500;TFO:255)
07:40	07:55	0.25	7479	7503	24	96.00	Drilling	Drilling - (WOB:20;GPM :500;RPM:30)
07:55	08:00	0.08	7503	7503	0	.00	Survey & Conn.	Survey & Conn.@7445' Inc 64.02° Azm 184.24°
08:00	08:55	0.92	7503	7517	14	15.27	Sliding	Sliding - (WOB:20;GPM :500;TFO:255)
08:55	09:10	0.25	7517	7535	18	72.00	Drilling	Drilling - (WOB:20;GPM :500;RPM:30)
09:10	09:15	0.08	7535	7535	0	.00	Survey & Conn.	Survey & Conn.@7477' Inc 66.44° Azm 184.53°
09:15	10:15	1.00	7535	7553	18	18.00	Sliding	Sliding - (WOB:20;GPM :500;TFO:255)
10:15	10:30	0.25	7553	7566	13	52.00	Drilling	Drilling - (WOB:20;GPM :500;RPM:30)
10:30	10:35	0.08	7566	7566	0	.00	Survey & Conn.	Survey & Conn.@7508' Inc 68.97° Azm 184.44°
10:35	12:30	1.92	7566	7578	12	6.26	Sliding	Sliding - (WOB:20;GPM :500;TFO:255)
12:30	12:50	0.33	7578	7598	20	60.00	Drilling	Drilling - (WOB:20;GPM :500;RPM:30)
12:50	12:55	0.08	7598	7598	0	.00	Survey & Conn.	Survey & Conn.@7540' Inc 72.85° Azm 183.53°
12:55	13:35	0.67	7598	7608	10	15.00	Sliding	Sliding - (WOB:20;GPM :500;TFO:255)
13:35	13:55	0.33	7608	7629	21	63.00	Drilling	Drilling - (WOB:20;GPM :500;RPM:30)
13:55	14:00	0.08	7629	7629	0	.00	Survey & Conn.	Survey & Conn.@7571' Inc 76.28° Azm 182.12°
14:00	15:00	1.00	7629	7642	13	13.00	Sliding	Sliding - (WOB:20;GPM :500;TFO:255)
15:00	15:10	0.17	7642	7661	19	114.00	Drilling	Drilling - (WOB:20;GPM :500;RPM:30)
15:10	15:35	0.42	7661	7661	0	.00	Circulating	Rig service
15:35	15:40	0.08	7661	7661	0	.00	Survey & Conn.	Survey & Conn.@7603' Inc 78.73° Azm 181.22°
15:40	17:00	1.33	7661	7677	16	12.00	Sliding	Sliding - (WOB:20;GPM :500;TFO:255)
17:00	17:15	0.25	7677	7693	16	64.00	Drilling	Drilling - (WOB:20;GPM :500;RPM:30)
17:15	17:20	0.08	7693	7693	0	.00	Survey & Conn.	Survey & Conn.@7635' Inc 81.18° Azm 180.42°
17:20	18:55	1.58	7693	7709	16	10.11	Sliding	Sliding - (WOB:20;GPM :500;TFO:255)
18:55	19:05	0.17	7709	7725	16	96.00	Drilling	Drilling - (WOB:20;GPM :500;RPM:30)
19:05	24:00	4.92	7725	7725	0	.00	Circulating	Circulating

JOB NO.: 92890
Company: EnCana Oil & Gas (USA) Inc.
LOCATION:
RIG NAME: Ensign 124
STATE: Colorado
COUNTY: Weld
WELL NAME: Rodman Bruntz 2A-26H
Lead Directional : Steven Schlamp (10800)

Report Time: 2400 9 of 16
API JOB # 05-123-38186
WORK ORDER#
FIELD: Wattenberg
Township: 2N
Range/Section 66W 26
Company Man Mike / Paul
2nd Dir Hand : Kevin Hoshall (10931)

From Monday, December 23, 2013 at 0000 to Monday, December 23, 2013 at 2400

DAILY TOTALS		ASSEMBLY TOTALS									
Start Depth	0.00	BHA #	Motor SN / R.S. SN	Slide Ftg	Slide Hrs	Rotate Ftg	Rotate Hrs	Circ Hrs	D & C Hrs	BHA Ftg	Avg ROP
End Depth	0.00	2	6933	682.00	20.08	5,813.00	19.50	7.92	47.50	6,505.00	137.19
Below Rot Hrs.	24.00										
Total Drilled:	0.00	Drilling Parameters		Mud Record		Bit Record		Current BHA # 2			
Avg. Total ROP:	NA	WOB: 20		Weight: 0		Bit No: 2		SDi611 6 1/2" Titan TD Drill Motor 6 1/2" NMPC 6 1/2" NMDC 6 1/2" Pulser Sub 6 1/2" NMDC 6 1/2" NMPC XT39 - 4 1/2 XH X-O Sub 60 Jnts HWDP			
Slide Footage:	0.00	Rot Wt: 144		Visc: 0		Model SDi611					
Slide Hours	0.00	Pick UP: 190		Chlorides: 0		SN.: JH3958					
Avg. Slide ROP:	NA	Slack Off: 125		YP: 0		MFG. SMITH					
Rotate Footage:	0.00	SPP: 3600		PV: 0		Type PDC					
Rotary Hours	0.00	Flow: 500 - 500		PH: 0		IADC					
Avg. Rot ROP:	NA	SPM: 119		GAS: 0		JETS 6-14					
Circ Hours	0.33	Rot. RPM -		SAND: 0		TFA: 0.902					
Ream Hours	0.00	Mot RPM: -		WL: 0		Hole ID: 8.75					
Rotary Hrs%:	NA	Incl. In: 84.09		SOLID: 0		Bit Hrs: 39.58					
Slide Hrs%:	NA	Azm. In: 180.44		BHT°: 0		Bit Ftg: 6495.00					
Rotary Ftg%:	NA	Incl. Out: 84.09		Flow T°: 0		PUMPS					
Slide Ftg%:	NA	Azm. Out: 180.44		Oil %: 0		Liner 0 0					
Casing		COST BREAKDOWN									
Size	Lb/Ft	MD									
			Effic. 95.00% 95.00%								
			Gal/Stk 0.00 0.00								
			BBL/Stk 0.000 0.000								

JOB NO.: 92890

Company: EnCana Oil & Gas (USA) Inc.

LOCATION:

RIG NAME: Ensign 124

STATE: Colorado

COUNTY: Weld

WELL NAME: Rodman Bruntz 2A-26H

Lead Directional : Steven Schlamp (10800)

From Tuesday, December 24, 2013 at 0000 to Tuesday, December 24, 2013 at 2400

ASSEMBLY TOTALS

Start Depth	0.00	BHA #	Motor SN / R.S. SN	Slide Ftg	Slide Hrs	Rotate Ftg	Rotate Hrs	Circ Hrs	D & C Hrs	BHA Ftg	Avg ROP
End Depth	0.00	3	475-M5-012	341.00	21.52	6,409.00	41.68	10.25	73.45	6,750.00	92.21
Below Rot Hrs.	5.75										
Total Drilled:	0.00	Drilling Parameters		Mud Record		Bit Record		Current BHA # 3			
Avg. Total ROP:	NA										
Slide Footage:	0.00	WOB:	20	Weight:	0	Bit No:	3	VS4006108 4 3/4" Wenzel Drill Motor 4 3/4" NMPC 4 3/4" NMDC 4 3/4" Pulser Sub 4 3/4" NMDC 5" Steel X-Over 3 Jnts. 4" DP (1 Stand) 6" DR Reamer 90 Jnts. 4" DP (30 Stands) 5" NOV Agitator 147 Jnts. 4" DP (49 Stands) 60 Jnts 4 1/2" HWDP (30			
Slide Hours	0.00	Rot Wt:	144	Visc:	0	Model	VS4006108				
Avg. Slide ROP:	NA	Pick UP:	190	Chlorides:	0	SN.:	4006108				
Rotate Footage:	0.00	Slack Off:	125	YP:	0	MFG.	Varel				
Rotary Hours	0.00	SPP:	3600	PV:	0	Type	PDC				
Avg. Rot ROP:	NA	Flow:	500 - 500	PH:	0	IADC					
Circ Hours	0.00	SPM:	119	GAS:	0	JETS	5-18				
Ream Hours	0.00	Rot. RPM	-	SAND:	0	TFA:	1.242				
Rotary Hrs%:	NA	Mot RPM:	-	SAND:	0	Hole ID:	6 1/8				
Slide Hrs%:	NA	Incl. In:	84.09	WL:	0	Bit Hrs:	63.20				
Rotary Ftg%:	NA	Azm. In:	180.44	SOLID:	0	Bit Ftg:	6750.00				
Slide Ftg%:	NA	Incl. Out:	84.09	BHT°:	0	PUMPS					
Casing		Azm. Out:	180.44	Flow T°:	0	Liner	0	0			
Size Lb/Ft MD	COST BREAKDOWN					Stroke	0	0			
						Effic.	95.00%	95.00%			
						Gal/Stk	0.00	0.00			
						BBL/Stk	0.000	0.000			

Size	Lb/Ft	MD
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COST BREAKDOWN

GENERAL COMMENT

Start Time	End Time	Hours	Start Depth	End Depth	Delta Depth	ROP	Activity Code	COMMENT
00:00	18:15	18.25	7725	7725	0	.00	Standby	Nipple Up / Test
18:15	18:25	0.17	7725	7725	0	.00	Other	Safety Meeting, P/U Tools
18:25	19:25	1.00	7725	7725	0	.00	Change BHA	P/U BHA #3
19:25	24:00	4.58	7725	7725	0	.00	TIH	TIH

JOB NO.:	92890	Report Time:	2400	11 of 16
Company:	EnCana Oil & Gas (USA) Inc.	API JOB #	05-123-38186	
LOCATION:		WORK ORDER#		
RIG NAME:	Ensign 124	FIELD:	Wattenberg	
STATE:	Colorado	Township:	2N	
COUNTY:	Weld	Range/Section	66W	26
WELL NAME:	Rodman Bruntz 2A-26H	Company Man	Mike / Paul	
Lead Directional :	Steven Schlamp (10800)	2nd Dir Hand :	Kevin Hoshall (10931)	

From Wednesday, December 25, 2013 at 0000 to Wednesday, December 25, 2013 at 2400

DAILY TOTALS		ASSEMBLY TOTALS										
Start Depth	7725.00	BHA #	Motor SN / R.S. SN	Slide Ftg	Slide Hrs	Rotate Ftg	Rotate Hrs	Circ Hrs	D & C Hrs	BHA Ftg	Avg ROP	
End Depth	9025.00	3	475-M5-012	341.00	21.52	6,409.00	41.68	10.25	73.45	6,750.00	92.21	
Below Rot Hrs.	23.92											
Total Drilled:	1300.00	Drilling Parameters		Mud Record		Bit Record		Current BHA # 3				
Avg. Total ROP:	123.81	WOB:	14	Weight:	0	Bit No:	3	VS4006108 4 3/4" Wenzel Drill Motor 4 3/4" NMPC 4 3/4" NMDC 4 3/4" Pulser Sub 4 3/4" NMDC 5" Steel X-Over 3 Jnts. 4" DP (1 Stand) 6" DR Reamer 90 Jnts. 4" DP (30 Stands) 5" NOV Agitator 147 Jnts. 4" DP (49 Stands) 60 Jnts 4 1/2" HWDP (30				
Slide Footage:	65.00	Rot Wt:	115	Visc:	0	Model	VS4006108					
Slide Hours	1.33	Pick UP:	165	Chlorides:	0	SN.:	4006108					
Avg. Slide ROP:	48.75	Slack Off:	100	YP:	0	MFG.	Varel					
Rotate Footage:	1235.00	SPP:	3700	PV:	0	Type	PDC					
Rotary Hours	9.17	Flow:	212 - 500	PH:	0	IADC						
Avg. Rot ROP:	134.73	SPM:	65	GAS:	0	JETS	5-18					
Circ Hours	2.67	Rot. RPM	30 - 60	SAND:	0	TFA:	1.242					
Ream Hours	0.00	Mot RPM:	0 - 65	WL:	0	Hole ID:	6 1/8					
Rotary Hrs%:	87.30	Incl. In:	84.09	SOLID:	0	Bit Hrs:	63.20					
Slide Hrs%:	12.70	Azm. In:	180.44	BHT°:	0	Bit Ftg:	6750.00					
Rotary Ftg%:	95.00	Incl. Out:	91.21	Flow T°:	0	PUMPS						
Slide Ftg%:	5.00	Azm. Out:	182.55	Oil %:	0	Liner	0	0				
CASING		COST BREAKDOWN				Stroke	0	0				
Size	Lb/Ft	MD					Effic.	95.00%	95.00%			
								Gal/Stk	0.00	0.00		
								BBL/Stk	0.000	0.000		

GENERAL COMMENT

Start Time	End Time	Hours	Start Depth	End Depth	Delta Depth	ROP	Activity Code	COMMENT
00:00	06:30	6.50	7725	7725	0	.00	TIH	Single in & PU Agitator
06:30	07:30	1.00	7725	7725	0	.00	Other	Casing Test
07:30	09:50	2.33	7725	7725	0	.00	Circulating	Drill cement & float equipment
09:50	10:00	0.17	7725	7735	10	60.00	Drilling	Drilling - (WOB:20;GPM :500;RPM:30)
10:00	11:10	1.17	7735	7735	0	.00	Other	FIT
11:10	11:50	0.67	7735	7816	81	121.50	Drilling	Drilling - (WOB:8;GPM :212;RPM:55)
11:50	12:00	0.17	7816	7816	0	.00	Survey & Conn.	Survey & Conn.@7753' Inc 89.16° Azm 180.39°
12:00	12:15	0.25	7816	7824	8	32.00	Sliding	Sliding - (WOB:14;GPM :500;TFO:90))
12:15	12:40	0.42	7824	7909	85	204.00	Drilling	Drilling - (WOB:15;GPM :274;RPM:60)
12:45	12:55	0.17	7909	7909	0	.00	Survey & Conn.	Survey & Conn.@7846' Inc 88.93° Azm 181.31°
12:55	13:25	0.50	7909	8002	93	186.00	Drilling	Drilling - (WOB:15;GPM :274;RPM:60)
13:25	13:35	0.17	8002	8002	0	.00	Survey & Conn.	Survey & Conn.@7939' Inc 88.09° Azm 180.47°
13:35	13:45	0.17	8002	8012	10	60.00	Sliding	Sliding - (WOB:14;GPM :500;TFO:45))
13:45	14:20	0.58	8012	8095	83	142.29	Drilling	Drilling - (WOB:14;GPM :500;RPM:60)

Start Time	End Time	Hours	Start Depth	End Depth	Delta Depth	ROP	Activity Code	COMMENT
14:20	14:30	0.17	8095	8095	0	.00	Survey & Conn.	Survey & Conn.@8032' Inc 89.73° Azm 181.93°
14:30	14:35	0.08	8095	8100	5	60.00	Sliding	Sliding - (WOB:14;GPM :275;TFO:45))
14:35	15:35	1.00	8100	8188	88	88.00	Drilling	Drilling - (WOB:14;GPM :275;RPM:60)
15:35	15:40	0.08	8188	8188	0	.00	Survey & Conn.	Survey & Conn.@8125' Inc 90.47° Azm 182.12°
15:40	16:10	0.50	8188	8281	93	186.00	Drilling	Drilling - (WOB:14;GPM :275;RPM:60)
16:10	16:15	0.08	8281	8281	0	.00	Survey & Conn.	Survey & Conn.@8218' Inc 90.64° Azm 181.51°
16:15	16:50	0.58	8281	8374	93	159.43	Drilling	Drilling - (WOB:14;GPM :275;RPM:60)
16:50	17:10	0.33	8374	8374	0	.00	Circulating	Rig Service
17:10	17:20	0.17	8374	8374	0	.00	Survey & Conn.	Survey & Conn.@8311' Inc 90.5° Azm 180.99°
17:20	18:05	0.75	8374	8467	93	124.00	Drilling	Drilling - (WOB:14;GPM :275;RPM:60)
18:05	18:10	0.08	8467	8467	0	.00	Survey & Conn.	Survey & Conn.@8404' Inc 90.44° Azm 180.86°
18:10	18:40	0.50	8467	8560	93	186.00	Drilling	Drilling - (WOB:14;GPM :275;RPM:60)
18:40	18:55	0.25	8560	8560	0	.00	Survey & Conn.	Survey & Conn.@8497' Inc 90.34° Azm 180.35°
18:55	19:20	0.42	8560	8653	93	223.20	Drilling	Drilling - (WOB:14;GPM :275;RPM:60)
19:20	19:30	0.17	8653	8653	0	.00	Survey & Conn.	Survey & Conn.@8590' Inc 90.13° Azm 179.87°
19:30	19:40	0.17	8653	8663	10	60.00	Sliding	Sliding - (WOB:14;GPM :275;TFO:45)
19:40	20:10	0.50	8663	8746	83	166.00	Drilling	Drilling - (WOB:14;GPM :275;RPM:60)
20:10	20:20	0.17	8746	8746	0	.00	Survey & Conn.	Survey & Conn.@8683' Inc 90.77° Azm 180.39°
20:20	20:35	0.25	8746	8756	10	40.00	Sliding	Sliding - (WOB:22;GPM :275;TFO:100))
20:35	21:40	1.08	8756	8839	83	76.62	Drilling	Drilling - (WOB:14;GPM :275;RPM:60)
21:40	21:55	0.25	8839	8839	0	.00	Survey & Conn.	Survey & Conn.@8776' Inc 91.11° Azm 181.62°
21:55	22:05	0.17	8839	8849	10	60.00	Sliding	Sliding - (WOB:22;GPM :275;TFO:100)
22:05	22:55	0.83	8849	8932	83	99.60	Drilling	Drilling - (WOB:14;GPM :275;RPM:60)
22:55	23:05	0.17	8932	8932	0	.00	Survey & Conn.	Survey & Conn.@8869' Inc 91.21° Azm 182.55°
23:05	23:20	0.25	8932	8944	12	48.00	Sliding	Sliding - (WOB:22;GPM :275;TFO:100)
23:20	24:00	0.67	8944	9025	81	121.50	Drilling	Drilling - (WOB:14;GPM :275;RPM:60)

JOB NO.: 92890

Company: EnCana Oil & Gas (USA) Inc.

LOCATION:

RIG NAME: Ensign 124

STATE: Colorado

COUNTY: Weld

WELL NAME: Rodman Bruntz 2A-26H

Lead Directional : Steven Schlamp (10800)

From Thursday, December 26, 2013 at 0000 to Thursday, December 26, 2013 at 2400

ASSEMBLY TOTALS

Start Depth	9025.00	BHA #	Motor SN / R.S. SN	Slide Ftg	Slide Hrs	Rotate Ftg	Rotate Hrs	Circ Hrs	D & C Hrs	BHA Ftg	Avg ROP
End Depth	11132.00	3	475-M5-012	341.00	21.52	6,409.00	41.68	10.25	73.45	6,750.00	92.21
Below Rot Hrs.	24.08										
Total Drilled:	2107.00	<div>Drilling Parameters</div>		<div>Mud Record</div>		<div>Bit Record</div>		<div>Current BHA # 3</div>			
Avg. Total ROP:	105.26										
Slide Footage:	158.00										
Slide Hours	8.17										
Avg. Slide ROP:	19.35										
Rotate Footage:	1949.00										
Rotary Hours	11.85										
Avg. Rot ROP:	164.47										
Circ Hours	0.72										
Ream Hours	0.00										
Rotary Hrs%:	59.20										
Slide Hrs%:	40.80										
Rotary Ftg%:	92.50										
Slide Ftg%:	7.50										
CASING											
Size	Lb/Ft	MD									
COST BREAKDOWN						Effic.		95.00%		95.00%	
						Gal/Stk		0.00		0.00	
						BBL/Stk		0.000		0.000	

At 11032' The mud logger said we were 60/40 Cutting Ratio

Start Time	End Time	Hours	Start Depth	End Depth	Delta Depth	ROP	Activity Code	COMMENT
00:00	00:10	0.17	9025	9025	0	.00	Survey & Conn.	Survey & Conn.@8962' Inc 90.2° Azm 182.94°
00:10	00:20	0.17	9025	9033	8	48.00	Sliding	Sliding - (WOB:22;GPM :275;TFO:100)
00:20	00:40	0.33	9033	9118	85	255.00	Drilling	Drilling - (WOB:14;GPM :275;RPM:60)
00:40	00:55	0.25	9118	9118	0	.00	Survey & Conn.	Survey & Conn.@9055' Inc 89.36° Azm 183.24°
00:55	01:25	0.50	9118	9210	92	184.00	Drilling	Drilling - (WOB:14;GPM :275;RPM:60)
01:25	01:40	0.25	9210	9210	0	.00	Survey & Conn.	Survey & Conn.@9147' Inc 89.4° Azm 183.08°
01:40	02:10	0.50	9210	9303	93	186.00	Drilling	Drilling - (WOB:14;GPM :275;RPM:60)
02:10	02:25	0.25	9303	9303	0	.00	Survey & Conn.	Survey & Conn.@9240' Inc 89.13° Azm 182.45°
02:25	02:35	0.17	9303	9308	5	30.00	Sliding	Sliding - (WOB:22;GPM :275;TFO:100)
02:35	03:20	0.75	9308	9396	88	117.33	Drilling	Drilling - (WOB:14;GPM :275;RPM:60)
03:20	03:30	0.17	9396	9396	0	.00	Survey & Conn.	Survey & Conn.@9333' Inc 89.56° Azm 182.42°
03:30	03:45	0.25	9396	9402	6	24.00	Sliding	Sliding - (WOB:22;GPM :275;TFO:100)
03:45	04:20	0.58	9402	9489	87	149.14	Drilling	Drilling - (WOB:14;GPM :275;RPM:60)
04:20	04:45	0.42	9489	9489	0	.00	Survey & Conn.	Survey & Conn.@9426' Inc 89.4° Azm 181.38°

License: NP2245

Start Time	End Time	Hours	Start Depth	End Depth	Delta Depth	ROP	Activity Code	COMMENT
04:45	05:00	0.25	9489	9495	6	24.00	Sliding	Sliding - (WOB:22;GPM :275;TFO:100)
05:00	05:25	0.42	9495	9582	87	208.80	Drilling	Drilling - (WOB:14;GPM :275;RPM:60)
05:25	05:45	0.33	9582	9582	0	.00	Survey & Conn.	Survey & Conn.@9519' Inc 88.63° Azm 180.12°
05:45	06:15	0.50	9582	9676	94	188.00	Drilling	Drilling - (WOB:14;GPM :275;RPM:60)
06:15	06:20	0.08	9676	9676	0	.00	Survey & Conn.	Survey & Conn.@9613' Inc 89.06° Azm 179.91°
06:20	06:50	0.50	9676	9771	95	190.00	Drilling	Drilling - (WOB:10;GPM :250;RPM:65)
06:50	06:55	0.08	9771	9771	0	.00	Survey & Conn.	Survey & Conn.@9708' Inc 89.33° Azm 179.74°
06:55	07:30	0.58	9771	9866	95	162.86	Drilling	Drilling - (WOB:10;GPM :250;RPM:65)
07:30	07:35	0.08	9866	9866	0	.00	Survey & Conn.	Survey & Conn.@9803' Inc 89.1° Azm 178.9°
07:35	08:20	0.75	9866	9876	10	13.33	Sliding	Sliding - (WOB:14;GPM :275;TFO:45))
08:20	08:50	0.50	9876	9961	85	170.00	Drilling	Drilling - (WOB:10;GPM :250;RPM:65)
08:50	08:55	0.08	9961	9961	0	.00	Survey & Conn.	Survey & Conn.@9898' Inc 89.83° Azm 178.6°
08:55	09:30	0.58	9961	9973	12	20.57	Sliding	Sliding - (WOB:10;GPM :250;TFO:60))
09:30	10:05	0.58	9973	10056	83	142.29	Drilling	Drilling - (WOB:10;GPM :250;RPM:65)
10:05	10:10	0.08	10056	10056	0	.00	Survey & Conn.	Survey & Conn.@9993' Inc 91.24° Azm 179.8°
10:10	10:45	0.58	10056	10150	94	161.14	Drilling	Drilling - (WOB:10;GPM :250;RPM:65)
10:45	10:50	0.08	10150	10150	0	.00	Survey & Conn.	Survey & Conn.@10087' Inc 91.65° Azm 178.93°
10:50	11:30	0.67	10150	10163	13	19.50	Sliding	Sliding - (WOB:10;GPM :250;TFO:120))
11:30	11:55	0.42	10163	10245	82	196.80	Drilling	Drilling - (WOB:10;GPM :250;RPM:65)
11:55	12:00	0.08	10245	10245	0	.00	Survey & Conn.	Survey & Conn.@10182' Inc 91.77° Azm 179.72°
12:00	12:35	0.58	10245	10259	14	24.00	Sliding	Sliding - (WOB:10;GPM :250;TFO:120)
12:35	13:05	0.50	10259	10340	81	162.00	Drilling	Drilling - (WOB:10;GPM :250;RPM:65)
13:00	13:05	0.08	10340	10340	0	.00	Survey & Conn.	Survey & Conn.@10277' Inc 90.81° Azm 181.05°
13:05	13:35	0.50	10340	10342	2	4.00	Sliding	Sliding - (WOB:10;GPM :250;TFO:120)
13:35	14:05	0.50	10342	10435	93	186.00	Drilling	Drilling - (WOB:10;GPM :250;RPM:65)
14:05	14:40	0.58	10435	10435	0	.00	Circulating	Rig Service
14:40	14:45	0.08	10435	10435	0	.00	Survey & Conn.	Survey & Conn.@10372' Inc 89° Azm 180.98°
14:45	15:25	0.67	10435	10529	94	141.00	Drilling	Drilling - (WOB:10;GPM :250;RPM:65)
15:25	15:30	0.08	10529	10529	0	.00	Survey & Conn.	Survey & Conn.@10466' Inc 87.33° Azm 178.77°
15:30	16:15	0.75	10529	10544	15	20.00	Sliding	Sliding - (WOB:10;GPM :250;TFO:120)
16:15	16:45	0.50	10544	10624	80	160.00	Drilling	Drilling - (WOB:10;GPM :250;RPM:65)
16:45	16:50	0.08	10624	10624	0	.00	Survey & Conn.	Survey & Conn.@10561' Inc 88.92° Azm 178.04°
16:50	17:30	0.67	10624	10639	15	22.50	Sliding	Sliding - (WOB:10;GPM :250;TFO:60))
17:30	17:55	0.42	10639	10719	80	192.00	Drilling	Drilling - (WOB:10;GPM :250;RPM:65)
17:55	18:00	0.08	10719	10719	0	.00	Survey & Conn.	Survey & Conn.@10656' Inc 91.07° Azm 178.05°
18:00	18:45	0.75	10719	10734	15	20.00	Sliding	Sliding - (WOB:10;GPM :250;TFO:100R))
18:45	19:15	0.50	10734	10814	80	160.00	Drilling	Drilling - (WOB:10;GPM :250;RPM:65)
19:15	19:25	0.17	10814	10814	0	.00	Survey & Conn.	Survey & Conn.@10751' Inc 92.02° Azm 179.39°
19:25	20:00	0.58	10814	10826	12	20.57	Sliding	Sliding - (WOB:10;GPM :250;TFO:125R))
20:00	20:30	0.50	10826	10908	82	164.00	Drilling	Drilling - (WOB:12;GPM :250;RPM:65)
20:30	20:38	0.13	10908	10908	0	.00	Survey & Conn.	Survey & Conn.@10845' Inc 92.08° Azm 180.54°
20:38	21:05	0.45	10908	10920	12	26.67	Sliding	Sliding - (WOB:10;GPM :250;TFO:160R))
21:05	21:48	0.72	10920	11003	83	115.81	Drilling	Drilling - (WOB:12;GPM :250;RPM:65)
21:48	21:56	0.13	11003	11003	0	.00	Survey & Conn.	Survey & Conn.@10940' Inc 90.94° Azm 180.72°
21:56	22:07	0.18	11003	11027	24	130.91	Drilling	Drilling - (WOB:12;GPM :250;RPM:65)
22:07	22:15	0.13	11027	11027	0	.00	MWD Survey	MWD Survey@10940' Inc 90.94° Azm 180.72°
22:15	22:30	0.25	11027	11032	5	20.00	Sliding	Sliding - (WOB:10;GPM :250;TFO:180))
22:30	22:48	0.30	11032	11060	28	93.33	Drilling	Drilling - (WOB:12;GPM :250;RPM:70)

Start Time	End Time	Hours	Start Depth	End Depth	Delta Depth	ROP	Activity Code	COMMENT
22:48	23:36	0.80	11060	11068	8	10.00	Sliding	Sliding - (WOB:10;GPM :250;TFO:160R))
23:36	23:41	0.08	11068	11068	0	.00	Survey & Conn.	Survey & Conn.@11035' Inc 90.1° Azm 180.78°
23:41	24:00	0.32	11068	11132	64	202.11	Drilling	Drilling - (WOB:12;GPM :250;RPM:70)

JOB NO.:	92890	Report Time:	2400	13 of 16
Company:	EnCana Oil & Gas (USA) Inc.	API JOB #	05-123-38186	
LOCATION:		WORK ORDER#		
RIG NAME:	Ensign 124	FIELD:	Wattenberg	
STATE:	Colorado	Township:	2N	
COUNTY:	Weld	Range/Section	66W	26
WELL NAME:	Rodman Bruntz 2A-26H	Company Man	Mike / Paul	
Lead Directional :	Steven Schlamp (10800)	2nd Dir Hand :	Dustin Smith(10319)	

From Friday, December 27, 2013 at 0000 to Friday, December 27, 2013 at 2400

DAILY TOTALS		ASSEMBLY TOTALS									
Start Depth	11132.00	BHA #	Motor SN / R.S. SN	Slide Ftg	Slide Hrs	Rotate Ftg	Rotate Hrs	Circ Hrs	D & C Hrs	BHA Ftg	Avg ROP
End Depth	13467.00	3	475-M5-012	341.00	21.52	6,409.00	41.68	10.25	73.45	6,750.00	92.21
Below Rot Hrs.	24.00										
Total Drilled:	2335.00										
Avg. Total ROP:	111.19	Drilling Parameters		Mud Record		Bit Record		Current BHA # 3			
Slide Footage:	92.00	WOB:	13	Weight:	0	Bit No:	3	VS4006108 4 3/4" Wenzel Drill Motor 4 3/4" NMPC 4 3/4" NMDC 4 3/4" Pulser Sub 4 3/4" NMDC 5" Steel X-Over 3 Jnts. 4" DP (1 Stand) 6" DR Reamer 90 Jnts. 4" DP (30 Stands) 5" NOV Agitator 147 Jnts. 4" DP (49 Stands) 60 Jnts 4 1/2" HWDP (30			
Slide Hours	7.33	Rot Wt:	126	Visc:	0	Model	VS4006108				
Avg. Slide ROP:	12.55	Pick UP:	245	Chlorides:	0	SN.:	4006108				
Rotate Footage:	2243.00	Slack Off:	50	YP:	0	MFG.	Varel				
Rotary Hours	13.67	SPP:	3730	PV:	0	Type	PDC				
Avg. Rot ROP:	164.12	Flow:	250 - 250	PH:	0	IADC					
Circ Hours	0.45	SPM:	60	GAS:	0	JETS	5-18				
Ream Hours	0.00	Rot. RPM	70 - 70	SAND:	0	TFA:	1.242				
Rotary Hrs%:	65.08	Mot RPM:	70 - 70	WL:	0	Hole ID:	6 1/8				
Slide Hrs%:	34.92	Incl. In:	90.1	SOLID:	0	Bit Hrs:	63.20				
Rotary Ftg%:	96.06	Azm. In:	180.7	BHT°:	0	Bit Ftg:	6750.00				
Slide Ftg%:	3.94	Incl. Out:	90.91	Flow T°:	0	PUMPS					
CASING		Azm. Out:	178.73	Oil %:	0	Liner	0	0			
Size	Lb/Ft	MD									
COST BREAKDOWN						Effic.	95.00%	95.00%			
						Gal/Stk	0.00	0.00			
						BBL/Stk	0.000	0.000			

Start Time	End Time	Hours	Start Depth	End Depth	Delta Depth	ROP	Activity Code	COMMENT
05:01	05:30	0.48	11667	11675	8	16.55	Sliding	Sliding - (WOB:14;GPM :250;TFO:160R))
05:30	06:00	0.50	11675	11762	87	174.00	Drilling	Drilling - (WOB:12;GPM :250;RPM:70)
06:00	06:05	0.08	11762	11762	0	.00	Survey & Conn.	Survey & Conn.@11699' Inc 89.66° Azm 179.8°
06:05	06:40	0.58	11762	11857	95	162.86	Drilling	Drilling - (WOB:12;GPM :250;RPM:70)
06:40	06:45	0.08	11857	11857	0	.00	Survey & Conn.	Survey & Conn.@11794' Inc 90.57° Azm 179.31°
06:45	07:40	0.92	11857	11869	12	13.09	Sliding	Sliding - (WOB:14;GPM :250;TFO:120R))
07:40	08:10	0.50	11869	11952	83	166.00	Drilling	Drilling - (WOB:12;GPM :250;RPM:70)
08:10	08:15	0.08	11952	11952	0	.00	Survey & Conn.	Survey & Conn.@11889' Inc 90.13° Azm 180.91°
08:15	08:50	0.58	11952	12047	95	162.86	Drilling	Drilling - (WOB:12;GPM :250;RPM:70)
08:50	08:55	0.08	12047	12047	0	.00	Survey & Conn.	Survey & Conn.@11984' Inc 90.5° Azm 179.61°
08:55	09:55	1.00	12047	12059	12	12.00	Sliding	Sliding - (WOB:14;GPM :250;TFO:120R))
09:55	10:25	0.50	12059	12141	82	164.00	Drilling	Drilling - (WOB:12;GPM :250;RPM:70)
10:25	10:30	0.08	12141	12141	0	.00	Survey & Conn.	Survey & Conn.@12078' Inc 89.43° Azm 180.94°
10:30	11:00	0.50	12141	12236	95	190.00	Drilling	Drilling - (WOB:12;GPM :250;RPM:70)
11:00	11:05	0.08	12236	12236	0	.00	Survey & Conn.	Survey & Conn.@12173' Inc 89.2° Azm 180.35°
11:05	11:30	0.42	12236	12331	95	228.00	Drilling	Drilling - (WOB:12;GPM :250;RPM:70)
11:30	11:35	0.08	12331	12331	0	.00	Survey & Conn.	Survey & Conn.@12268' Inc 90.5° Azm 180.41°
11:35	12:20	0.75	12331	12426	95	126.67	Drilling	Drilling - (WOB:12;GPM :250;RPM:70)
12:20	12:25	0.08	12426	12426	0	.00	Survey & Conn.	Survey & Conn.@12363' Inc 91.01° Azm 179.32°
12:25	13:20	0.92	12426	12438	12	13.09	Sliding	Sliding - (WOB:14;GPM :250;TFO:135R))
13:20	13:55	0.58	12438	12520	82	140.57	Drilling	Drilling - (WOB:12;GPM :250;RPM:70)
13:55	14:00	0.08	12520	12520	0	.00	Survey & Conn.	Survey & Conn.@12457' Inc 90.74° Azm 180.91°
14:00	15:00	1.00	12520	12532	12	12.00	Sliding	Sliding - (WOB:14;GPM :250;TFO:135R))
15:00	15:30	0.50	12532	12615	83	166.00	Drilling	Drilling - (WOB:12;GPM :250;RPM:70)
15:30	15:50	0.33	12615	12615	0	.00	Circulating	Rig Service
15:50	15:55	0.08	12615	12615	0	.00	Survey & Conn.	Survey & Conn.@12552' Inc 89.03° Azm 181.8°
15:55	16:20	0.42	12615	12710	95	228.00	Drilling	Drilling - (WOB:12;GPM :250;RPM:70)
16:20	16:25	0.08	12710	12710	0	.00	Survey & Conn.	Survey & Conn.@12647' Inc 88.96° Azm 180.82°
16:25	17:00	0.58	12710	12805	95	162.86	Drilling	Drilling - (WOB:12;GPM :250;RPM:70)
17:00	17:05	0.08	12805	12805	0	.00	Survey & Conn.	Survey & Conn.@12742' Inc 89.43° Azm 180.45°
17:05	17:35	0.50	12805	12899	94	188.00	Drilling	Drilling - (WOB:13;GPM :250;RPM:70)
17:35	17:45	0.17	12899	12899	0	.00	Survey & Conn.	Survey & Conn.@12836' Inc 90.94° Azm 180.81°
17:45	18:50	1.08	12899	12909	10	9.23	Sliding	Sliding - (WOB:14;GPM :250;TFO:135L))
18:50	19:40	0.83	12909	12989	80	96.00	Drilling	Drilling - (WOB:13;GPM :250;RPM:70)
19:40	19:48	0.13	12989	12989	0	.00	Survey & Conn.	Survey & Conn.@12931' Inc 88.86° Azm 179.89°
19:48	20:24	0.60	12989	13089	100	166.67	Drilling	Drilling - (WOB:13;GPM :250;RPM:70)
20:24	20:31	0.12	13089	13089	0	.00	Survey & Conn.	Survey & Conn.@13026' Inc 89.23° Azm 179.68°
20:31	20:42	0.18	13089	13119	30	163.64	Drilling	Drilling - (WOB:13;GPM :250;RPM:70)
20:42	20:49	0.12	13119	13119	0	.00	MWD Survey	MWD Survey@13026' Inc 89.23° Azm 179.68°
20:49	21:30	0.68	13119	13124	5	7.32	Sliding	Sliding - (WOB:14;GPM :250;TFO:40R))
21:30	21:54	0.40	13124	13183	59	147.50	Drilling	Drilling - (WOB:13;GPM :250;RPM:70)
21:54	22:02	0.13	13183	13183	0	.00	Survey & Conn.	Survey & Conn.@13120' Inc 90.07° Azm 179.58°
22:02	22:40	0.63	13183	13278	95	150.00	Drilling	Drilling - (WOB:13;GPM :250;RPM:70)
22:40	22:46	0.10	13278	13278	0	.00	Survey & Conn.	Survey & Conn.@13215' Inc 90.81° Azm 179.64°
22:46	23:27	0.68	13278	13373	95	139.02	Drilling	Drilling - (WOB:13;GPM :250;RPM:70)
23:27	23:32	0.08	13373	13373	0	.00	Survey & Conn.	Survey & Conn.@13310' Inc 90.61° Azm 179.09°
23:32	24:00	0.47	13373	13467	94	201.43	Drilling	Drilling - (WOB:13;GPM :250;RPM:70)

JOB NO.:	92890	Report Time:	2400	14 of 16
Company:	EnCana Oil & Gas (USA) Inc.	API JOB #	05-123-38186	
LOCATION:		WORK ORDER#		
RIG NAME:	Ensign 124	FIELD:	Wattenberg	
STATE:	Colorado	Township:	2N	
COUNTY:	Weld	Range/Section	66W	26
WELL NAME:	Rodman Bruntz 2A-26H	Company Man	Mike / Paul	
Lead Directional :	Steven Schlamp (10800)	2nd Dir Hand :	Dustin Smith(10319)	

From Saturday, December 28, 2013 at 0000 to Saturday, December 28, 2013 at 2400

DAILY TOTALS			ASSEMBLY TOTALS								
Start Depth	13467.00	BHA #	Motor SN / R.S. SN	Slide Ftg	Slide Hrs	Rotate Ftg	Rotate Hrs	Circ Hrs	D & C Hrs	BHA Ftg	Avg ROP
End Depth	14475.00	3	475-M5-012	341.00	21.52	6,409.00	41.68	10.25	73.45	6,750.00	92.21
Below Rot Hrs.	24.00										
Total Drilled:	1008.00	Drilling Parameters		Mud Record		Bit Record		Current BHA # 3			
Avg. Total ROP:	86.28										
Slide Footage:	26.00	WOB:	13	Weight:	0	Bit No:	3	VS4006108 4 3/4" Wenzel Drill Motor 4 3/4" NMPC 4 3/4" NMDC 4 3/4" Pulser Sub 4 3/4" NMDC 5" Steel X-Over 3 Jnts. 4" DP (1 Stand) 6" DR Reamer 90 Jnts. 4" DP (30 Stands) 5" NOV Agitator 147 Jnts. 4" DP (49 Stands) 60 Jnts 4 1/2" HWDP (30			
Slide Hours	4.68	Rot Wt:	126	Visc:	0	Model	VS4006108				
Avg. Slide ROP:	5.55	Pick UP:	245	Chlorides:	0	SN.:	4006108				
Rotate Footage:	982.00	Slack Off:	50	YP:	0	MFG.	Varel				
Rotary Hours	7.00	SPP:	3730	PV:	0	Type	PDC				
Avg. Rot ROP:	140.29	Flow:	250 - 250	PH:	0	IADC					
Circ Hours	6.42	SPM:	60	GAS:	0	JETS	5-18				
Ream Hours	0.00	Rot. RPM	70 - 70	SAND:	0	TFA:	1.242				
Rotary Hrs%:	59.91	Mot RPM:	70 - 70	WL:	0	Hole ID:	6 1/8				
Slide Hrs%:	40.09	Incl. In:	90.91	SOLID:	0	Bit Hrs:	63.20				
Rotary Ftg%:	97.42	Azm. In:	178.73	BHT°:	0	Bit Ftg:	6750.00				
Slide Ftg%:	2.58	Incl. Out:	90.17	Flow T°:	0	PUMPS					
CASING		Azm. Out:	177.34	Oil %:	0	Liner	0	0			
Size	Lb/Ft	MD	COST BREAKDOWN			Effic.	95.00%	95.00%			
						Gal/Stk	0.00	0.00			
						BBL/Stk	0.000	0.000			

GENERAL COMMENT

Start Time	End Time	Hours	Start Depth	End Depth	Delta Depth	ROP	Activity Code	COMMENT
00:00	00:15	0.25	13467	13467	0	.00	Survey & Conn.	Survey & Conn.@13404' Inc 90.91° Azm 178.73°
00:15	01:15	1.00	13467	13476	9	9.00	Sliding	Sliding - (WOB:14;GPM :250;TFO:135R))
01:15	01:51	0.60	13476	13562	86	143.33	Drilling	Drilling - (WOB:13;GPM :250;RPM:70)
01:51	01:59	0.13	13562	13562	0	.00	Survey & Conn.	Survey & Conn.@13499' Inc 89.97° Azm 179.23°
01:59	02:33	0.57	13562	13656	94	165.88	Drilling	Drilling - (WOB:13;GPM :250;RPM:70)
02:33	02:39	0.10	13656	13656	0	.00	Survey & Conn.	Survey & Conn.@13593' Inc 90.3° Azm 179.4°
02:39	04:20	1.68	13656	13666	10	5.94	Sliding	Sliding - (WOB:14;GPM :250;TFO:125R))
04:20	05:00	0.67	13666	13751	85	127.50	Drilling	Drilling - (WOB:13;GPM :250;RPM:70)
05:00	05:15	0.25	13751	13751	0	.00	Survey & Conn.	Survey & Conn.@13688' Inc 89.09° Azm 179.85°
05:15	06:00	0.75	13751	13846	95	126.67	Drilling	Drilling - (WOB:13;GPM :250;RPM:70)
06:00	06:05	0.08	13846	13846	0	.00	Survey & Conn.	Survey & Conn.@13783' Inc 89.33° Azm 179.87°
06:05	06:45	0.67	13846	13941	95	142.50	Drilling	Drilling - (WOB:13;GPM :250;RPM:70)
06:45	06:50	0.08	13941	13941	0	.00	Survey & Conn.	Survey & Conn.@13878' Inc 90° Azm 179.87°
06:50	07:30	0.67	13941	14035	94	141.00	Drilling	Drilling - (WOB:13;GPM :250;RPM:70)

Start Time	End Time	Hours	Start Depth	End Depth	Delta Depth	ROP	Activity Code	COMMENT
07:30	07:35	0.08	14035	14035	0	.00	Survey & Conn.	Survey & Conn.@13972' Inc 90.84° Azm 179.82°
07:35	09:35	2.00	14035	14042	7	3.50	Sliding	Sliding - (WOB:14;GPM :250;TFO:180))
09:35	10:20	0.75	14042	14130	88	117.33	Drilling	Drilling - (WOB:13;GPM :250;RPM:70)
10:20	10:25	0.08	14130	14130	0	.00	Survey & Conn.	Survey & Conn.@14067' Inc 89.9° Azm 179.45°
10:25	11:05	0.67	14130	14225	95	142.50	Drilling	Drilling - (WOB:13;GPM :250;RPM:70)
11:05	11:10	0.08	14225	14225	0	.00	Survey & Conn.	Survey & Conn.@14162' Inc 90.24° Azm 178.84°
11:10	11:45	0.58	14225	14320	95	162.86	Drilling	Drilling - (WOB:13;GPM :250;RPM:70)
11:45	11:50	0.08	14320	14320	0	.00	Survey & Conn.	Survey & Conn.@14257' Inc 89.87° Azm 177.98°
11:50	12:30	0.67	14320	14415	95	142.50	Drilling	Drilling - (WOB:13;GPM :250;RPM:70)
12:30	12:35	0.08	14415	14415	0	.00	Survey & Conn.	Survey & Conn.@14412' Inc 90.17° Azm 177.32°
12:35	13:00	0.42	14415	14475	60	144.00	Drilling	Drilling - (WOB:13;GPM :250;RPM:70)
13:00	13:05	0.08	14475	14475	0	.00	Survey & Conn.	Survey & Conn.@14412' Inc 90.17° Azm 177.32°
13:05	19:30	6.42	14475	14475	0	.00	Circulating	Circulating
19:30	24:00	4.50	14475	14475	0	.00	POOH	POOH

Report Time:	2400	15 of 16
API JOB #	05-123-38186	
WORK ORDER#		
FIELD:	Wattenberg	
Township:	2N	
Range/Section	66W	26
Company Man	Mike / Paul	
2nd Dir Hand :	Dustin Smith(10319)	

Monday, December 29, 2013 at 2400

DAILY TOTALS		ASSEMBLY TOTALS										
Start Depth	0.00	BHA #	Motor SN / R.S. SN	Slide Ftg	Slide Hrs	Rotate Ftg	Rotate Hrs	Circ Hrs	D & C Hrs	BHA Ftg	Avg ROP	
End Depth	0.00	3	475-M5-012	341.00	21.52	6,409.00	41.68	10.25	73.45	6,750.00	92.21	
Below Rot Hrs.	11.50											
Total Drilled:	0.00	<div>Drilling Parameters</div> <div>WOB: 13</div> <div>Rot Wt: 126</div> <div>Pick UP: 245</div> <div>Slack Off: 50</div> <div>SPP: 3730</div> <div>Flow: 250 - 250</div> <div>SPM: 60</div> <div>Rot. RPM -</div> <div>Mot RPM: -</div> <div>Incl. In: 90.17</div> <div>Azm. In: 177.34</div> <div>Incl. Out: 90.17</div> <div>Azm. Out: 177.34</div>		<div>Mud Record</div> <div>LSND</div> <div>Weight: 10.7</div> <div>Visc: 42</div> <div>Chlorides: 800</div> <div>YP: 23</div> <div>PV: 15</div> <div>PH: 8.2</div> <div>GAS: 0</div> <div>SAND: 0.125</div> <div>WL: 0</div> <div>SOLID: 14.4</div> <div>BHT°: 0</div> <div>Flow T°: 0</div> <div>Oil %: 0</div>		<div>Bit Record</div> <div>Bit No: 3</div> <div>Model VS4006108</div> <div>SN.: 4006108</div> <div>MFG. Varel</div> <div>Type PDC</div> <div>IADC</div> <div>JETS 5-18</div> <div>TFA: 1.242</div> <div>Hole ID: 6 1/8</div> <div>Bit Hrs: 63.20</div> <div>Bit Ftg: 6750.00</div>		<div>Current BHA # 3</div> <div>VS4006108</div> <div>4 3/4" Wenzel Drill Motor</div> <div>4 3/4" NMPC</div> <div>4 3/4" NMDC</div> <div>4 3/4" Pulser Sub</div> <div>4 3/4" NMDC</div> <div>5" Steel X-Over</div> <div>3 Jnts. 4" DP (1 Stand)</div> <div>6" DR Reamer</div> <div>90 Jnts. 4" DP (30 Stands)</div> <div>5" NOV Agitator</div> <div>147 Jnts. 4" DP (49 Stands)</div> <div>60 Jnts 4 1/2" HWDP (30</div>				
Avg. Total ROP:	NA											
Slide Footage:	0.00											
Slide Hours	0.00											
Avg. Slide ROP:	NA											
Rotate Footage:	0.00											
Rotary Hours	0.00											
Avg. Rot ROP:	NA											
Circ Hours	0.00											
Ream Hours	0.00											
Rotary Hrs%:	NA											
Slide Hrs%:	NA											
Rotary Ftg%:	NA											
Slide Ftg%:	NA											
CASING												
Size	Lb/Ft	MD										
			COST BREAKDOWN									

GENERAL COMMENT

Start Time	End Time	Hours	Start Depth	End Depth	Delta Depth	ROP	Activity Code	COMMENT
00:00	10:00	10.00	14475	14475	0	.00	POOH	POOH
10:00	11:30	1.50	14475	14475	0	.00	Change BHA	Laydown BHA
11:30	24:00	12.50	14475	14475	0	.00	Standby	Standby

JOB NO.: 92890
Company: EnCana Oil & Gas (USA) Inc.
LOCATION:
RIG NAME: Ensign 124
STATE: Colorado
COUNTY: Weld
WELL NAME: Rodman Bruntz 2A-26H
Lead Directional : Steven Schlamp (10800)

Report Time: 2400 16 of 16
API JOB # 05-123-38186
WORK ORDER#
FIELD: Wattenberg
Township: 2N
Range/Section 66W 26
Company Man Mike / Paul
2nd Dir Hand : Dustin Smith(10319)

From Monday, December 30, 2013 at 0000 to Monday, December 30, 2013 at 2400

DAILY TOTALS		ASSEMBLY TOTALS									
Start Depth	0.00	BHA #	Motor SN / R.S. SN	Slide Ftg	Slide Hrs	Rotate Ftg	Rotate Hrs	Circ Hrs	D & C Hrs	BHA Ftg	Avg ROP
End Depth	0.00										
Below Rot Hrs.	11.50										
Total Drilled:	0.00	Drilling Parameters		Mud Record		Bit Record		Current BHA # 0			
Avg. Total ROP:	NA			LSND							
Slide Footage:	0.00	WOB: 13		Weight: 10.7		Bit No:					
Slide Hours	0.00	Rot Wt: 126		Visc: 42		Model					
Avg. Slide ROP:	NA	Pick UP: 245		Chlorides: 800		SN.:					
Rotate Footage:	0.00	Slack Off: 50		YP: 23		MFG.					
Rotary Hours	0.00	SPP: 3730		PV: 15		Type					
Avg. Rot ROP:	NA	Flow: 250 - 250		PH: 8.2		IADC					
Circ Hours	0.00	SPM: 60		GAS: 0		JETS					
Ream Hours	0.00	Rot. RPM -		SAND: 0.125		TFA:					
Rotary Hrs%:	NA	Mot RPM: -		WL: 0		Hole ID: N/A					
Slide Hrs%:	NA	Incl. In: 90.17		SOLID: 14.4		Bit Hrs:					
Rotary Ftg%:	NA	Azm. In: 177.34		BHT°: 0		Bit Ftg:					
Slide Ftg%:	NA	Incl. Out: 0		Flow T°: 0							
Casing		Azm. Out: 0		Oil %: 0							
Size	Lb/Ft	MD	PUMPS								
			Liner				0	0			
			Stroke				0	0			
			Effic.				95.00%	95.00%			
			Gal/Stk				0.00	0.00			
			BBL/Stk				0.000	0.000			
			COST BREAKDOWN								

BHA # 1

JOB NO.:	92890	Work Order:	FIELD:	Wattenberg
Company:	EnCana Oil & Gas (USA) Inc.		Township:	2N
LOCATION:			SECT. RANGE:	26 66W
RIG NAME:	Ensign 124		Lead DD:	Steven Schlamp (10800)
STATE:	Colorado		Co. Man:	Mike / Paul
COUNTY:	Weld		BHA TYPE:	Steerable Assembly
WELL NAME:	Rodman Bruntz 2A-26H		BHA WT:	11936
			Wt @ Jars:	N/A

Time and Depths	MOTOR DATA	Drilling Parameters
Date In: 18-Dec-13 @ 10:30	SDI Titan Drill Motor	SO/PU: 0 - 65 / 0-65
Date Out: 18-Dec-13 @ 22:40	MFG.: SDI	Rot Strg Wt: 0-65
Hrs In Hole: 12.17	Pad OD: 8.25	WOB: 2 - 20
Start Depth: 68.00	NB Stab: 0	TORQ: 0 - 8000
End Depth: 1220.00	Bit to Bend: 6	SPP: 800 - 2600
Total Drilled: 1140.00	Bent Hsg/Sub°: 2.25 / 2.25	Motor RPM: 94
Avg. Total ROP: 240.00	Lobe/Stage: 7/8 / 4	Rotary RPM: 40 - 50
Circ Hrs: Tot/Only 6.42 / 1.67	Rev/GAL: 0.16	Flow Rate: 420 - 687
Percent Slide: 5.79	Rotor Jet: 0	Avg Diff:
Percent Hrs: 10.53	Prop BUR:	Stall Pres.:
Slide Hours: .50	Act BUR:	Off Bot Pres.:
Total Sliding: 66.00		
Avg. Slide ROP: 132.00		
Percent Rotary: 94.21		
Percent Hrs: 89.47		
Rotary Hours: 4.25		
Total Rotary: 1074.00		
Avg. Rotary ROP: 252.71		
Reason POOH:		

MWD Spacing	Gamma: 0	Restiv: 0	Sensor: 0	Last Casing	O.D.
	GYRO: 0	DNSC: 0	Sonic: 0	Shoe @:	Hanger @:

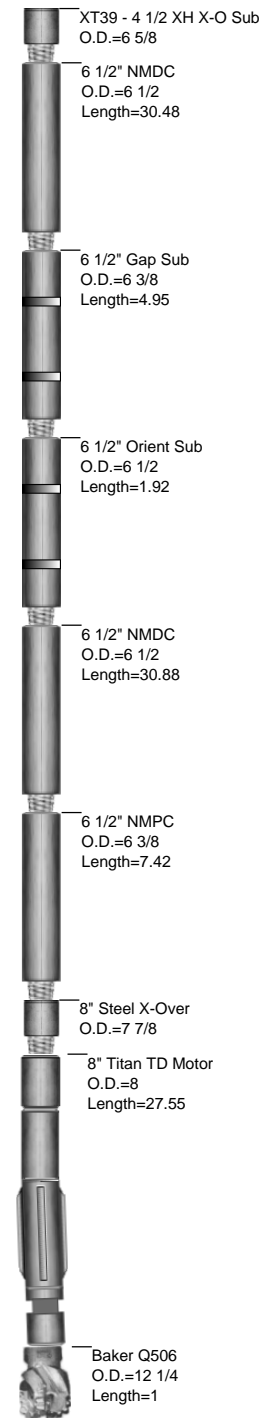
INC IN: .0 INC OUT: .0 AZM IN: .00 AZM OUT: .00

- SDI Titan 8" 7/8 4.0stg Drill Motor 2.25FBH
- Speed Ratio is 0.16RPG
- TFO: 219.01

- Bit to Sensor - 55.38'
- Bit to Survey - 57'

BHA Detail

Description	Serial #	I.D.	O.D.	Length	Sum	Top Conn	MFG.
Baker Q506	7142815		12 1/4	1.00	1.00	6 5/8 REGP	BAKER
8" Titan TD Motor	844		8	27.55	28.55	6 5/8 REGB	SDI
8" Steel X-Over	SD104023	2 7/8	7 7/8	2.38	30.93	4 1/2 XHB	Stabil Drill
6 1/2" NMPC	125-145	3 1/4	6 3/8	7.42	38.35	4 1/2 XHB	SDI
6 1/2" NMDC	15-328	2 13/16	6 1/2	30.88	69.23	4 1/2 XHB	SDI
6 1/2" Orient Sub	8-727	3 1/4	6 1/2	1.92	71.15	4 1/2 XHB	SDI
6 1/2" Gap Sub	69-1049	2 13/16	6 3/8	4.95	76.10	4 1/2 XHB	SDI
6 1/2" NMDC	122-203		6 1/2	30.48	106.58	4 1/2 XHB	SDI
XT39 - 4 1/2 XH X-O Sub	SD12147	2 3/4	6 5/8	3.00	109.58	XT 39B	SDI



JOB NO.: 92890
Company: EnCana Oil & Gas (USA) Inc.
LOCATION:
RIG NAME: Ensign 124
STATE: Colorado
COUNTY: Country
WELL NAME: Rodman Bruntz 2A-26H

FIELD: Wattenberg
Township: 2N
Range 66W

MOTOR INFORMATION

Desc: SDI Titan Drill Motor
Bent Hsg/Sub: 2.2 / 2.2 5 5 **Bit to Bend:** 6
Pad OD: 8.25 **NB Stab:**

Slide Report for BHA # 1

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	RPM	Surf. Torque	Flow Rate	SPP	TFO	INC	AZM	DLS	Note
1	18-Dec	Drilling	12:00	12:10	0.17	68	105	37		222.0	40		420			0.19	0.00	0.18	
1	18-Dec	Drilling	12:15	12:40	0.42	105	202	97	2	232.8	50	0	480	800		0.37	0.00	0.18	
1	18-Dec	Drilling	12:50	13:15	0.42	202	295	93	3	223.2	50	0	586	800		0.40	136.06	0.07	
1	18-Dec	Drilling	13:20	13:40	0.33	295	331	36	3	108.0	50	0	586	800		0.38	135.03	0.07	
1	18-Dec	Drilling	13:45	14:05	0.33	331	481	150	3	450.0	50	0	586	800		0.55	307.98	1.77	
1	18-Dec	Sliding	14:10	14:15	0.08	481	496	15	3	180.0	50	0	586	800		0.82	307.03	1.77	
1	18-Dec	Drilling	14:15	14:35	0.33	496	574	78	3	234.0	50	0	586	800		2.13	307.03	1.65	
1	18-Dec	Drilling	14:40	15:10	0.50	574	661	87	3	174.0	50	0	586	800		3.58	312.26	1.77	
1	18-Dec	Sliding	15:45	15:50	0.08	661	673	12	3	144.0	50	0	586	1250		3.78	313.12	1.77	
1	18-Dec	Drilling	15:50	16:10	0.33	673	760	87	3	261.0	50	0	586	1250		4.83	311.18	1.07	
1	18-Dec	Drilling	16:20	16:35	0.25	772	853	81	3	324.0	50	0	687	1400		5.80	302.79	1.54	
1	18-Dec	Sliding	16:40	16:45	0.08	853	865	12	3	144.0	50	0	586	1400		5.94	301.61	1.54	
1	18-Dec	Drilling	16:45	17:05	0.33	865	946	81	3	243.0	50	0	687	1400		6.95	294.76	1.58	
1	18-Dec	Sliding	17:10	17:15	0.08	946	956	10	3	120.0	50	0	586	1400		7.08	294.05	1.58	
1	18-Dec	Drilling	17:15	17:25	0.17	956	1039	83	3	498.0	50	0	687	2200		7.43	288.84	0.79	
1	18-Dec	Sliding	17:30	17:35	0.08	1039	1049	10	3	120.0	50	0	586	2200		7.44	288.23	0.79	
1	18-Dec	Drilling	17:35	17:55	0.33	1049	1132	83	3	249.0	50	0	687	2200		7.57	289.24	0.63	
1	18-Dec	Sliding	18:00	18:05	0.08	1132	1139	7	3	84.0	50	0	586	2200		7.58	289.55	0.63	
1	18-Dec	Drilling	18:05	18:25	0.33	1139	1220	81	20	243.0	50	8000	687	2600		7.56	291.28	0.21	

Total Drilled: 1140 **Avg. Total ROP:** 240.00

DEPTH% - TIME %

Total Rotary Drilled: 1074 **Avg. Rotary ROP:** 252.71

Percent Rotary: 94.21 - 89.47

Total Drilled Sliding: 66 **Avg. Slide ROP:** 132.00

Percent Slide: 5.79 - 10.53

BHA # 2

JOB NO.: 92890 Work Order:
Company: EnCana Oil & Gas (USA) Inc.
LOCATION:
RIG NAME: Ensign 124
STATE: Colorado
COUNTY: Weld
WELL NAME: Rodman Bruntz 2A-26H

FIELD: Wattenberg
Township: 2N
SECT. RANGE: 26 66W
Lead DD: Steven Schlamp (10800)
Co. Man: Mike / Paul
BHA TYPE: Steerable Assembly
BHA WT: 49653 Wt @ Jars: N/A

Time and Depths	MOTOR DATA	Drilling Parameters
Date In: 20-Dec-13 @ 09:00	6 1/2 Titan TD	SO/PU: 0 - 125 / 0-190
Date Out: 23-Dec-13 @ 07:45	MFG.: SDI	Rot Strg Wt: 0-144
Hrs In Hole: 70.75	Pad OD: 7.44	WOB: 5.5 - 20
Start Depth: 1230.00	NB Stab: 0	TORQ: 4 - 8000
End Depth: 7725.00	Bit to Bend: 2.5	SPP: 1050 - 3700
Total Drilled: 6495.00	Bent Hsg/Sub°: 1.95 / 1.95	Motor RPM: 145 - 174
Avg. Total ROP: 164.08	Lobe/Stage: 6/7 / 5	Rotary RPM: 30 - 60
Circ Hrs: Tot/Only 47.50 / 7.92	Rev/GAL: 0.29	Flow Rate: 408 - 600
Percent Slide: 10.50	Rotor Jet: 0	Avg Diff:
Percent Hrs: 50.74	Prop BUR: 10	Stall Pres.:
Slide Hours: 20.08	Act BUR:	Off Bot Pres.:
Total Sliding: 682.00		
Avg. Slide ROP: 33.96		
Percent Rotary: 89.50		
Percent Hrs: 49.26		
Rotary Hours: 19.50		
Total Rotary: 5813.00		
Avg. Rotary ROP: 298.10		
Reason POOH: TD		

MWD Spacing	Gamma: 46.92	Restiv: 0	Sensor: 58	Last Casing	O.D.
	GYRO: 0	DNSC: 1220	Sonic: 0	Shoe @:	Hanger @:

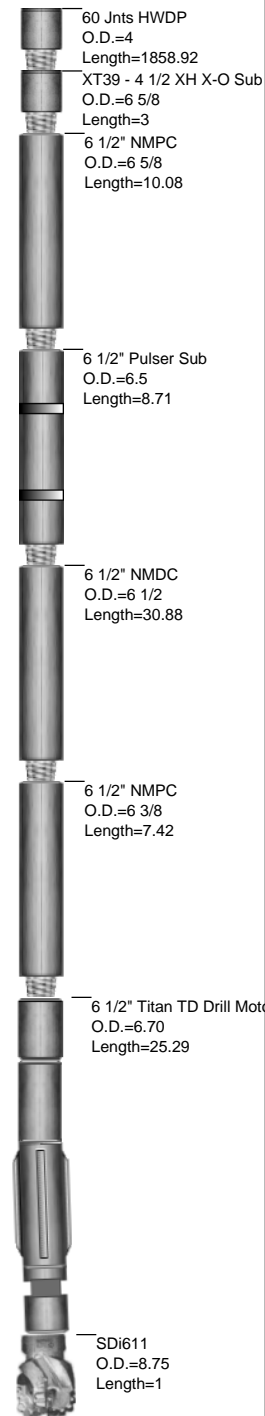
INC IN: .0 INC OUT: .0 AZM IN: .00 AZM OUT: .00

- SDI Titan 6 1/2" 6/7 5.0 stg Drill Motor 1.95FBH
- Speed Ratio is 0.29RPG
- TFO: 50.03

- Bit to Sensor - 56.17'
- Bit to Survey - 58'
- Bit to Gamma - 46.92'

BHA Detail

Description	Serial #	I.D.	O.D.	Length	Sum	Top Conn	MFG.
SDi611	JH3958		8.75	1.00	1.00	4 1/2 REGP	SMITH
6 1/2" Titan TD Drill Motor	6933		6.70	25.29	26.29	4 1/2 XHB	SDI
6 1/2" NMPC	125-145	3 1/4	6 3/8	7.42	33.71	4 1/2 XHB	SDI
6 1/2" NMDC	15-328	2 13/16	6 1/2	30.88	64.59	4 1/2 XHB	SDI
6 1/2" Pulser Sub	129-069		6.5	8.71	73.30	4 1/2 XHB	SDI
6 1/2" NMDC	122-203		6 1/2	30.48	103.78	4 1/2 XHB	SDI
6 1/2" NMPC	125-346	3 1/4	6 5/8	10.08	113.86	4 1/2 XHB	SDI
XT39 - 4 1/2 XH X-O Sub	SD12147	2 3/4	6 5/8	3.00	116.86	XT 39B	SDI
60 Jnts HWDP	Rig123	2 7/8	4	1,858.92	1975.78	XT 39	Other



JOB NO.: 92890
Company: EnCana Oil & Gas (USA) Inc.
LOCATION:
RIG NAME: Ensign 124
STATE: Colorado
COUNTY: Country
WELL NAME: Rodman Bruntz 2A-26H

FIELD: Wattenberg
Township: 2N
Range 66W

MOTOR INFORMATION

Desc: 6 1/2 Titan TD
 Bent Hsg/Sub: 1.9 / 1.9 Bit to Bend: 2.5
 Pad OD: 7.44 NB Stab:

Slide Report for BHA # 2

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	RPM	Surf. Torque	Flow Rate	SPP	TFO	INC	AZM	DLS	Note
2	20-Dec	Drilling	16:45	17:10	0.42	1230	1325	95	16	228.0	50	5	527	1730		7.35	291.49	0.25	
2	20-Dec	Drilling	17:15	17:45	0.50	1325	1511	186	20	372.0	50	4	600	2305		6.96	291.30	0.18	
2	20-Dec	Drilling	17:50	18:15	0.42	1511	1696	185	20	444.0	50	4	600	2305		7.71	297.01	1.82	
2	20-Dec	Sliding	18:30	18:35	0.08	1696	1704	8	20	96.0	50	4	586	2305		7.83	297.52	1.82	
2	20-Dec	Drilling	18:35	18:50	0.25	1704	1882	178	20	712.0	50	4	600	2305		10.16	300.86	1.02	
2	20-Dec	Sliding	19:05	19:10	0.08	1882	1887	5	20	60.0	50	4	586	2305		10.19	300.63	1.02	
2	20-Dec	Drilling	19:10	19:25	0.25	1887	2070	183	20	732.0	50	4	600	2600		11.14	292.15	1.07	
2	20-Dec	Sliding	19:40	19:45	0.08	2070	2076	6	20	72.0	50	4	586	2600		11.15	291.82	1.07	
2	20-Dec	Drilling	19:45	20:00	0.25	2076	2260	184	20	736.0	50	4	600	2600		11.01	284.66	0.95	
2	20-Dec	Drilling	20:15	20:35	0.33	2260	2449	189	20	567.0	50	4	600	2600		9.74	283.86	0.25	
2	20-Dec	Sliding	20:45	20:50	0.08	2449	2455	6	20	72.0	50	4	600	2600		9.73	283.94	0.25	
2	20-Dec	Drilling	20:50	21:10	0.33	2455	2639	184	20	552.0	50	4	600	2600		9.33	285.40	0.47	
2	20-Dec	Sliding	21:25	21:30	0.08	2639	2644	5	20	60.0	50	4	600	2600		9.31	285.38	0.47	
2	20-Dec	Drilling	21:30	21:45	0.25	2644	2828	184	20	736.0	50	4	600	2600		8.74	283.89	0.23	
2	20-Dec	Sliding	21:55	22:00	0.08	2828	2834	6	20	72.0	50	4	600	2600		8.74	283.80	0.23	
2	20-Dec	Drilling	22:00	22:25	0.42	2834	3018	184	20	441.6	50	4	600	2600		8.81	284.40	0.65	
2	20-Dec	Sliding	22:35	22:40	0.08	3018	3026	8	20	96.0	50	4	600	2600		8.81	284.74	0.65	
2	20-Dec	Drilling	22:40	22:55	0.25	3026	3117	91	20	364.0	60	8000	600	2600		8.91	288.54	0.65	
2	20-Dec	Sliding	22:55	23:00	0.08	3117	3121	4	20	48.0	60	8000	600	2600		8.91	288.71	0.65	
2	20-Dec	Drilling	23:00	23:05	0.08	3121	3207	86	20	1032.0	60	8000	600	2600		9.07	292.70	0.79	
2	20-Dec	Sliding	23:20	23:25	0.08	3207	3215	8	20	96.0	60	8000	600	2600		9.09	293.08	0.79	
2	20-Dec	Drilling	23:25	23:45	0.33	3215	3397	182	20	546.0	60	8000	600	2600		9.37	298.51	0.13	
2	21-Dec	Sliding	00:00	00:05	0.08	3397	3403	6	20	72.0	60	8000	600	2600		9.36	298.47	0.13	
2	21-Dec	Drilling	00:05	00:25	0.33	3403	3586	183	20	549.0	60	8000	600	2600		8.95	294.79	0.95	
2	21-Dec	Sliding	00:35	00:40	0.08	3586	3592	6	20	72.0	60	8000	600	2600		8.92	294.48	0.95	
2	21-Dec	Drilling	00:40	01:00	0.33	3592	3775	183	20	549.0	60	8000	600	2600		8.49	289.82	0.62	

Slide Report for BHA # 2

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	RPM	Surf. Torque	Flow Rate	SPP	TFO	INC	AZM	DLS	Note
2	21-Dec	Sliding	01:15	01:20	0.08	3775	3783	8	20	96.0	65	8000	600	3400		8.50	290.13	0.62	
2	21-Dec	Drilling	01:20	01:45	0.42	3783	3965	182	20	436.8	60	8000	600	3400		8.42	294.05	0.70	
2	21-Dec	Sliding	02:00	02:05	0.08	3965	3972	7	20	84.0	60	8000	600	3400		8.37	293.94	0.70	
2	21-Dec	Drilling	02:05	02:30	0.42	3972	4155	183	20	439.2	60	8000	600	3400		7.99	287.61	1.25	
2	21-Dec	Sliding	02:40	02:45	0.08	4155	4163	8	20	96.0	60	8000	600	3400		8.06	287.07	1.25	
2	21-Dec	Drilling	02:45	03:00	0.25	4163	4253	90	20	360.0	60	8000	600	3400		8.83	281.49	1.25	
2	21-Dec	Sliding	03:00	03:05	0.08	4253	4257	4	20	48.0	60	8000	600	3400		8.87	281.27	1.25	
2	21-Dec	Drilling	03:05	03:10	0.08	4257	4344	87	20	1044.0	60	8000	600	3400		9.72	283.58	1.49	
2	21-Dec	Sliding	03:25	03:30	0.08	4344	4352	8	20	96.0	60	8000	600	3400		9.80	284.08	1.49	
2	21-Dec	Drilling	03:30	04:00	0.50	4352	4534	182	20	364.0	60	8000	600	3400		10.18	290.40	1.74	
2	21-Dec	Drilling	04:10	04:35	0.42	4534	4724	190	20	456.0	60	8000	600	3400		8.27	289.16	0.63	
2	21-Dec	Sliding	04:55	05:00	0.08	4724	4732	8	20	96.0	60	8000	600	3400		8.32	289.18	0.63	
2	21-Dec	Drilling	05:00	05:30	0.50	4732	4913	181	20	362.0	60	8000	600	3400		8.95	288.74	0.32	
2	21-Dec	Drilling	05:40	06:15	0.58	4913	5103	190	20	325.7	60	8000	600	3400		8.01	289.44	1.26	
2	21-Dec	Sliding	06:20	06:25	0.08	5103	5110	7	20	84.0	60	8000	600	3400		7.93	289.78	1.26	
2	21-Dec	Drilling	06:25	07:10	0.75	5110	5293	183	20	244.0	60	8000	600	3400		7.16	291.64	1.43	
2	21-Dec	Sliding	07:15	07:30	0.25	5293	5310	17	20	68.0	60	8000	600	3400		7.33	290.22	1.43	
2	21-Dec	Drilling	07:30	08:10	0.67	5310	5483	173	20	259.5	60	8000	600	3400		8.05	282.56	0.84	
2	21-Dec	Drilling	08:15	08:55	0.67	5483	5672	189	20	283.5	60	8000	600	3400		8.04	291.00	2.47	
2	21-Dec	Sliding	09:00	09:15	0.25	5672	5694	22	20	88.0	60	8000	600	3400	30	8.47	293.25	2.47	
2	21-Dec	Drilling	09:15	10:10	0.92	5694	5861	167	20	182.2	60	8000	600	3400		9.57	301.74	2.10	
2	21-Dec	Drilling	10:15	10:50	0.58	5861	6051	190	20	325.7	60	8000	600	3400		7.09	294.66	1.62	
2	21-Dec	Sliding	10:55	11:20	0.42	6051	6075	24	20	57.6	60	8000	600	3700	30	7.24	291.78	1.62	
2	21-Dec	Drilling	11:20	12:00	0.67	6075	6240	165	20	247.5	60	8000	600	3700		7.66	277.54	1.05	
2	21-Dec	Sliding	12:05	12:20	0.25	6240	6254	14	20	56.0	60	8000	600	3700	30	7.55	276.78	1.05	
2	21-Dec	Drilling	12:20	13:00	0.67	6254	6430	176	20	264.0	60	8000	600	3700		5.94	274.99	1.69	
2	21-Dec	Sliding	13:05	13:45	0.67	6430	6460	30	20	45.0	60	8000	600	3700	30	5.58	278.44	1.69	
2	21-Dec	Drilling	13:45	14:25	0.67	6460	6619	159	20	238.5	60	8000	600	3700		6.82	298.17	4.01	
2	21-Dec	Sliding	14:30	14:50	0.33	6619	6639	20	20	60.0	60	8000	600	3700	290	7.62	299.06	4.01	
2	21-Dec	Drilling	14:50	15:05	0.25	6639	6713	74	20	296.0	60	8000	600	3700		8.94	297.48	2.97	
2	21-Dec	Drilling	15:35	15:55	0.33	6713	6745	32	20	96.0	60	8000	600	3700		8.25	293.07	2.97	
2	21-Dec	Sliding	16:15	16:40	0.42	6745	6767	22	20	52.8	60	8000	600	3700	255	7.75	281.83	8.84	
2	21-Dec	Drilling	16:40	16:45	0.08	6767	6776	9	20	108.0	60	8000	600	3700		7.65	275.94	8.84	
2	21-Dec	Sliding	16:45	17:40	0.92	6776	6798	22	20	24.0	60	8000	600	3700	255	8.09	264.94	6.75	
2	21-Dec	Drilling	17:40	17:45	0.08	6798	6808	10	20	120.0	60	8000	600	3700		8.43	260.85	6.75	

Slide Report for BHA # 2

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	RPM	Surf. Torque	Flow Rate	SPP	TFO	INC	AZM	DLS	Note
2	21-Dec	Sliding	17:50	18:40	0.83	6808	6828	20	20	24.0	60	8000	500	3600	255	9.28	251.22	9.15	
2	21-Dec	Drilling	18:40	18:50	0.17	6828	6839	11	20	66.0	30	8000	600	3600		9.86	246.28	9.15	
2	21-Dec	Sliding	19:00	19:25	0.42	6839	6861	22	20	52.8	30	8000	500	3600	255	11.06	235.53	10.80	
2	21-Dec	Drilling	19:25	19:30	0.08	6861	6871	10	20	120.0	30	8000	500	3600		11.69	231.09	10.80	
2	21-Dec	Sliding	19:40	20:00	0.33	6871	6893	22	20	66.0	30	8000	500	3600	255	13.32	222.24	11.59	
2	21-Dec	Drilling	20:00	20:05	0.08	6893	6902	9	20	108.0	30	8000	500	3600		14.06	219.15	11.59	
2	21-Dec	Drilling	20:25	20:45	0.33	6902	6925	23	20	69.0	30	8000	500	3600		16.47	213.61	12.50	
2	21-Dec	Sliding	21:00	21:15	0.25	6925	6947	22	20	88.0	30	8000	500	3600	255	18.94	209.81	12.24	
2	21-Dec	Drilling	21:15	21:20	0.08	6947	6966	19	20	228.0	30	8000	500	3600		21.06	207.03	12.24	
2	21-Dec	Sliding	21:25	21:50	0.42	6966	6986	20	20	48.0	30	8000	500	3600	255	23.29	205.04	11.61	
2	21-Dec	Drilling	21:50	21:55	0.08	6986	6997	11	20	132.0	30	8000	500	3600		24.52	204.16	11.61	
2	21-Dec	Sliding	22:15	22:25	0.17	6997	7012	15	20	90.0	30	8000	500	3600	255	25.94	202.40	10.41	
2	21-Dec	Drilling	22:25	22:35	0.17	7012	7029	17	20	102.0	30	8000	500	3600		27.38	200.11	10.41	
2	21-Dec	Sliding	22:40	22:55	0.25	7029	7044	15	20	60.0	30	8000	500	3600	255	28.35	198.44	7.24	
2	21-Dec	Drilling	22:55	23:05	0.17	7044	7061	17	20	102.0	30	8000	500	3600		29.27	196.77	7.24	
2	21-Dec	Sliding	23:10	23:20	0.17	7061	7067	6	20	36.0	30	8000	500	3600	255	29.55	196.16	6.22	
2	21-Dec	Drilling	23:20	23:25	0.08	7067	7092	25	20	300.0	30	8000	500	3600		29.69	193.03	6.22	
2	21-Dec	Sliding	23:45	23:55	0.17	7092	7102	10	20	60.0	30	8000	500	3600	255	30.08	191.86	8.87	
2	21-Dec	Drilling	23:55	24:00	0.08	7102	7124	22	20	264.0	30	8000	500	3600		31.64	189.58	8.87	
2	22-Dec	Sliding	00:10	00:25	0.25	7124	7140	16	20	64.0	30	8000	500	3600	255	33.11	187.48	12.80	
2	22-Dec	Drilling	00:25	00:35	0.17	7140	7155	15	20	90.0	30	8000	500	3600		34.65	185.43	12.80	
2	22-Dec	Sliding	00:40	01:00	0.33	7155	7171	16	20	48.0	30	8000	500	3600	255	36.41	184.75	11.30	
2	22-Dec	Drilling	01:00	01:05	0.08	7171	7187	16	20	192.0	30	8000	500	3600		38.22	184.89	11.30	
2	22-Dec	Sliding	01:25	01:35	0.17	7187	7199	12	20	72.0	30	8000	500	3600	255	39.39	185.00	8.74	
2	22-Dec	Drilling	01:35	01:45	0.17	7199	7219	20	20	120.0	30	8000	500	3600		41.13	185.19	8.74	
2	22-Dec	Sliding	01:55	02:05	0.17	7219	7227	8	20	48.0	30	8000	500	3600	255	41.77	185.24	6.54	
2	22-Dec	Drilling	02:05	02:15	0.17	7227	7250	23	20	138.0	30	8000	500	3600		43.27	185.34	6.54	
2	22-Dec	Sliding	02:25	02:40	0.25	7250	7262	12	20	48.0	30	8000	500	3600	255	44.30	185.13	10.96	
2	22-Dec	Drilling	02:40	02:50	0.17	7262	7282	20	20	120.0	30	8000	500	3600		46.43	184.40	10.96	
2	22-Dec	Sliding	03:05	03:20	0.25	7282	7296	14	20	56.0	30	8000	500	3600	255	48.08	184.22	12.47	
2	22-Dec	Drilling	03:20	03:30	0.17	7296	7314	18	20	108.0	30	8000	500	3600		50.33	184.20	12.47	
2	22-Dec	Sliding	03:45	04:05	0.33	7314	7329	15	20	45.0	30	8000	500	3600	255	52.07	184.21	11.16	
2	22-Dec	Drilling	04:05	04:15	0.17	7329	7345	16	20	96.0	30	8000	500	3600	255	53.85	184.23	11.16	
2	22-Dec	Sliding	04:20	04:40	0.33	7345	7355	10	20	30.0	30	8000	500	3600	255	54.89	184.13	9.82	
2	22-Dec	Drilling	04:40	04:50	0.17	7355	7377	22	20	132.0	30	8000	500	3600		57.03	183.71	9.82	

Slide Report for BHA # 2

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	RPM	Surf. Torque	Flow Rate	SPP	TFO	INC	AZM	DLS	Note
2	22-Dec	Sliding	05:10	05:25	0.25	7377	7385	8	20	32.0	30	8000	500	3600	255	57.81	183.56	10.13	
2	22-Dec	Drilling	05:25	05:35	0.17	7385	7408	23	20	138.0	30	8000	500	3600		60.10	183.07	10.13	
2	22-Dec	Sliding	05:40	05:55	0.25	7408	7421	13	20	52.0	30	8000	500	3600	255	61.45	183.30	11.25	
2	22-Dec	Drilling	05:55	06:10	0.25	7421	7440	19	20	76.0	30	8000	500	3600		63.48	184.05	11.25	
2	22-Dec	Sliding	06:15	06:45	0.50	7440	7450	10	20	20.0	30	8000	500	3600	255	64.40	184.29	7.61	
2	22-Dec	Drilling	06:45	07:00	0.25	7450	7471	21	20	84.0	30	8000	500	3600		65.99	184.48	7.61	
2	22-Dec	Sliding	07:05	07:40	0.58	7471	7479	8	20	13.7	30	8000	500	3600	255	66.60	184.52	8.17	
2	22-Dec	Drilling	07:40	07:55	0.25	7479	7503	24	20	96.0	30	8000	500	3600		68.56	184.45	8.17	
2	22-Dec	Sliding	08:00	08:55	0.92	7503	7517	14	20	15.3	30	8000	500	3600	255	70.06	184.18	12.42	
2	22-Dec	Drilling	08:55	09:10	0.25	7517	7535	18	20	72.0	30	8000	500	3600		72.24	183.67	12.42	
2	22-Dec	Sliding	09:15	10:15	1.00	7535	7553	18	20	18.0	30	8000	500	3600	255	74.29	182.93	11.90	
2	22-Dec	Drilling	10:15	10:30	0.25	7553	7566	13	20	52.0	30	8000	500	3600		75.73	182.34	11.90	
2	22-Dec	Sliding	10:35	12:30	1.92	7566	7578	12	20	6.3	30	8000	500	3600	255	76.82	181.92	8.13	
2	22-Dec	Drilling	12:30	12:50	0.33	7578	7598	20	20	60.0	30	8000	500	3600		78.35	181.36	8.13	
2	22-Dec	Sliding	12:55	13:35	0.67	7598	7608	10	20	15.0	30	8000	500	3600	255	79.11	181.09	8.04	
2	22-Dec	Drilling	13:35	13:55	0.33	7608	7629	21	20	63.0	30	8000	500	3600		80.72	180.57	8.04	
2	22-Dec	Sliding	14:00	15:00	1.00	7629	7642	13	20	13.0	30	8000	500	3600	255	81.82	180.42	9.09	
2	22-Dec	Drilling	15:00	15:10	0.17	7642	7661	19	20	114.0	30	8000	500	3600		83.54	180.44	9.09	
2	22-Dec	Sliding	15:40	17:00	1.33	7661	7677	16	20	12.0	30	8000	500	3600	255	84.68	180.43	5.90	
2	22-Dec	Drilling	17:00	17:15	0.25	7677	7693	16	20	64.0	30	8000	500	3600		85.62	180.42	5.90	
2	22-Dec	Sliding	17:20	18:55	1.58	7693	7709	16	20	10.1	30	8000	500	3600	255	86.57	180.42	5.90	
2	22-Dec	Drilling	18:55	19:05	0.17	7709	7725	16	20	96.0	30	8000	500	3600		87.51	180.41	5.90	

Total Drilled: 6495 **Avg. Total ROP:** 164.08

DEPTH% - TIME %

Total Rotary Drilled: 5813 **Avg. Rotary ROP:** 298.10

Percent Rotary: 89.50 - 49.26

Total Drilled Sliding: 682 **Avg. Slide ROP:** 33.96

Percent Slide: 10.50 - 50.74

BHA # 3

JOB NO.: 92890 Work Order:
Company: EnCana Oil & Gas (USA) Inc.
LOCATION:
RIG NAME: Ensign 124
STATE: Colorado
COUNTY: Weld
WELL NAME: Rodman Bruntz 2A-26H

FIELD: Wattenberg
Township: 2N
SECT. RANGE: 26 66W
Lead DD: Steven Schlamp (10800)
Co. Man: Mike / Paul
BHA TYPE:
BHA WT: 154226 Wt @ Jars: N/A

Time and Depths		MOTOR DATA		Drilling Parameters	
Date In:	24-Dec-13 @ 18:25	4 3/4 Drill Motor		SO/PU:	50 - 125 / 140-245
Date Out:	29-Dec-13 @ 11:30	MFG.: Wenzel		Rot Strg Wt:	115-144
Hrs In Hole:	113.08	Pad OD:	5.22	WOB:	2 - 22
Start Depth:	7725.00	NB Stab:	0	TORQ:	7.5 - 16700
End Depth:	14475.00	Bit to Bend:	4.21	SPP:	2200 - 3730
Total Drilled:	6750.00	Bent Hsg/Sub°:	1.5 / 1.5	Motor RPM:	No Rev/Gal Input
Avg. Total ROP:	106.80	Lobe/Stage:	5/6 / 8.3	Rotary RPM:	30 - 70
Circ Hrs: Tot/Only	73.45 / 10.25	Rev/GAL:	0	Flow Rate:	212 - 500
Percent Slide:	5.05	Rotor Jet:	0	Avg Diff:	
Percent Hrs:	34.05	Prop BUR:	0	Stall Pres.:	
Slide Hours:	21.52	Act BUR:	0	Off Bot Pres.:	
Total Sliding:	341.00	Mud Data		Bit Record	
Avg. Slide ROP:	15.85	Type		Varel / VS4006108	
Percent Rotary:	94.95	WT:	0	GAS:	0
Percent Hrs:	65.95	Vis:	0	PV:	0
Rotary Hours:	41.68	WL:	0	PH:	0
Total Rotary:	6409.00	SOL:	0	SAND:	0
Avg. Rotary ROP:	153.75	Oil %:	0	T °:	0
Reason POOH:		Chlor:	0	YP:	0
				Run #:	3
				Type Bit:	PDC
				IADC#:	TFA: 1.242
				JETS:	5-18
				Bit Drop:	0 PSI @ 500 GPM
				Cond.:	New

MWD Spacing	Gamma: 0	Restiv: 0	Sensor: 0	Last Casing	O.D.
	GYRO: 0	DNSC: 7725	Sonic: 0	Shoe @:	Hanger @:

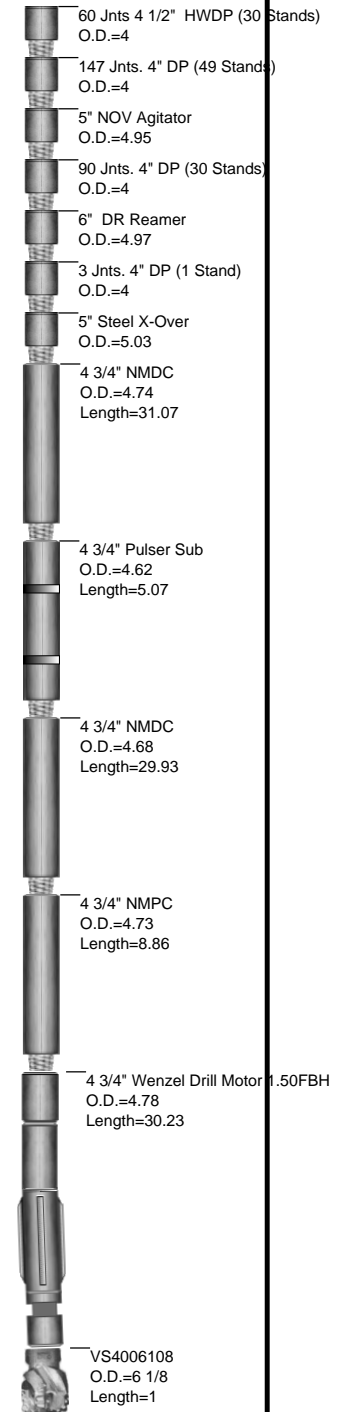
INC IN: .0 INC OUT: .0 AZM IN: .00 AZM OUT: .00

- Wenzel 4 3/4" 5/6 Lobe 8.3 Stage Drill Motor 1.50 FBH
- Speed Ratio is 1.04 RPG
- TFO: 177.72

- Bit to Sensor - 60.62'
- Bit to Survey - 63'
- Bit to Gamma - 51.35'

BHA Detail

Description	Serial #	I.D.	O.D.	Length	Sum	Top Conn	MFG.
VS4006108	4006108		6 1/8	1.00	1.00	3 1/2 REGP	Varel
4 3/4" Wenzel Drill Motor 1.50FBH	475-M5-012		4.78	30.23	31.23	3 1/2 IFB	Wenzel
4 3/4" NMPC	17-063	2 7/8	4.73	8.86	40.09	3 1/2 IFB	SDI
4 3/4" NMDC	121-269	2 7/8	4.68	29.93	70.02	3 1/2 IFB	SDI
4 3/4" Pulser Sub	65-063	3	4.62	5.07	75.09	3 1/2 IFB	SDI
4 3/4" NMDC	121-536	2 7/8	4.74	31.07	106.16	3 1/2 IFB	SDI
5" Steel X-Over	SD113866	2 7/8	5.03	1.83	107.99	XT 39B	Stabil Drill
3 Jnts. 4" DP (1 Stand)	RIG101112	3 1/4	4	94.50	202.49	XT 39B	Other
6" DR Reamer	A1845	2 7/8	4.97	4.03	206.52	XT 39B	Other
90 Jnts. 4" DP (30 Stands)	Rig 456	3 1/4	4	2,835.00	3041.52	XT 39B	Other
5" NOV Agitator	11008283		4.95	22.15	3063.67	XT 39B	Other
147 Jnts. 4" DP (49 Stands)	Rig 789	3 1/4	4	4,630.50	7694.17	XT 39B	Other
60 Jnts 4 1/2" HWDP (30 Stands)	Rig123	2 7/8	4	1,858.92	9553.09	XT 39B	Other



JOB NO.: 92890
Company: EnCana Oil & Gas (USA) Inc.
LOCATION:
RIG NAME: Ensign 124
STATE: Colorado
COUNTY: Country
WELL NAME: Rodman Bruntz 2A-26H

FIELD: Wattenberg
Township: 2N
Range 66W

MOTOR INFORMATION

Desc: 4 3/4 Drill Motor
Bent Hsg/Sub: 1.5 / 1.5 **Bit to Bend:** 4.21
Pad OD: 5.22 **NB Stab:**

Slide Report for BHA # 3

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	RPM	Surf. Torque	Flow Rate	SPP	TFO	INC	AZM	DLS	Note
3	25-Dec	Drilling	09:50	10:00	0.17	7725	7735	10	20	60.0	30	8000	500	2200		88.10	180.40	5.90	
3	25-Dec	Drilling	11:10	11:50	0.67	7735	7816	81	8	121.5	55	7.5	212	2820		89.00	181.01	1.02	
3	25-Dec	Sliding	12:00	12:15	0.25	7816	7824	8	14	32.0	0	7.5	500	2820	90	88.98	181.09	1.02	
3	25-Dec	Drilling	12:15	12:40	0.42	7824	7909	85	15	204.0	60	7.5	274	3250		88.36	180.74	1.28	
3	25-Dec	Drilling	12:55	13:25	0.50	7909	8002	93	15	186.0	60	7.5	274	3250		89.20	181.46	2.36	
3	25-Dec	Sliding	13:35	13:45	0.17	8002	8012	10	14	60.0	60	7.5	275	3250	45	89.38	181.62	2.36	
3	25-Dec	Drilling	13:45	14:20	0.58	8012	8095	83	14	142.3	60	7.5	275	3250	45	90.23	182.06	0.82	
3	25-Dec	Sliding	14:30	14:35	0.08	8095	8100	5	14	60.0	60	7.5	275	3250	45	90.27	182.07	0.82	
3	25-Dec	Drilling	14:35	15:35	1.00	8100	8188	88	14	88.0	55	7.5	275	3250		90.59	181.71	0.68	
3	25-Dec	Drilling	15:40	16:10	0.50	8188	8281	93	14	186.0	60	7.5	275	3250		90.55	181.16	0.58	
3	25-Dec	Drilling	16:15	16:50	0.58	8281	8374	93	14	159.4	60	7.5	275	3250		90.46	180.90	0.15	
3	25-Dec	Drilling	17:20	18:05	0.75	8374	8467	93	14	124.0	60	7.5	275	3250		90.37	180.51	0.56	
3	25-Dec	Drilling	18:10	18:40	0.50	8467	8560	93	14	186.0	60	7.5	275	3250		90.20	180.02	0.56	
3	25-Dec	Drilling	18:55	19:20	0.42	8560	8653	93	14	223.2	60	7.5	275	3250		90.56	180.22	0.89	
3	25-Dec	Sliding	19:30	19:40	0.17	8653	8663	10	14	60.0	60	7.5	275	3250	45	90.63	180.28	0.89	
3	25-Dec	Drilling	19:40	20:10	0.50	8663	8746	83	14	166.0	60	7.5	275	3250		91.00	181.22	1.37	
3	25-Dec	Sliding	20:20	20:35	0.25	8746	8756	10	22	40.0	65	9000	275	3700	100	91.04	181.36	1.37	
3	25-Dec	Drilling	20:35	21:40	1.08	8756	8839	83	14	76.6	60	9000	275	3700		91.18	182.25	1.01	
3	25-Dec	Sliding	21:55	22:05	0.17	8839	8849	10	22	60.0	60	9000	275	3700	100	91.19	182.35	1.01	
3	25-Dec	Drilling	22:05	22:55	0.83	8849	8932	83	14	99.6	60	9000	275	3700		90.53	182.81	1.16	
3	25-Dec	Sliding	23:05	23:20	0.25	8932	8944	12	22	48.0	60	9000	275	3700	100	90.40	182.86	1.16	
3	25-Dec	Drilling	23:20	24:00	0.67	8944	9025	81	14	121.5	60	9000	275	3700		89.63	183.14	0.96	
3	26-Dec	Sliding	00:10	00:20	0.17	9025	9033	8	22	48.0	60	9000	275	3700	100	89.56	183.17	0.96	
3	26-Dec	Drilling	00:20	00:40	0.33	9033	9118	85	14	255.0	60	9000	275	3700		89.39	183.13	0.18	
3	26-Dec	Drilling	00:55	01:25	0.50	9118	9210	92	14	184.0	60	9000	275	3700		89.22	182.65	0.74	
3	26-Dec	Drilling	01:40	02:10	0.50	9210	9303	93	14	186.0	60	9000	275	3700		89.42	182.43	0.46	

Slide Report for BHA # 3

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	RPM	Surf. Torque	Flow Rate	SPP	TFO	INC	AZM	DLS	Note
3	26-Dec	Sliding	02:25	02:35	0.17	9303	9308	5	22	30.0	60	9000	275	3700	100	89.44	182.43	0.46	
3	26-Dec	Drilling	02:35	03:20	0.75	9308	9396	88	14	117.3	60	9000	275	3700		89.45	181.72	1.13	
3	26-Dec	Sliding	03:30	03:45	0.25	9396	9402	6	22	24.0	60	9000	275	3700	100	89.44	181.65	1.13	
3	26-Dec	Drilling	03:45	04:20	0.58	9402	9489	87	14	149.1	60	9000	275	3700		88.88	180.53	1.59	
3	26-Dec	Sliding	04:45	05:00	0.25	9489	9495	6	14	24.0	60	9000	275	3700		88.83	180.45	1.59	
3	26-Dec	Drilling	05:00	05:25	0.42	9495	9582	87	14	208.8	60	9000	275	3700		88.92	179.98	0.51	
3	26-Dec	Drilling	05:45	06:15	0.50	9582	9676	94	14	188.0	60	9000	275	3700		89.24	179.80	0.34	
3	26-Dec	Drilling	06:20	06:50	0.50	9676	9771	95	10	190.0	65	9000	250	3400		89.18	179.18	0.92	
3	26-Dec	Drilling	06:55	07:30	0.58	9771	9866	95	10	162.9	65	9000	250	3400		89.58	178.70	0.83	
3	26-Dec	Sliding	07:35	08:20	0.75	9866	9876	10	14	13.3	65	9000	275	3400	45	89.66	178.67	0.83	
3	26-Dec	Drilling	08:20	08:50	0.50	9876	9961	85	10	170.0	65	9000	250	3400		90.77	179.40	1.95	
3	26-Dec	Sliding	08:55	09:30	0.58	9961	9973	12	10	20.6	65	9000	250	3400	60	90.94	179.55	1.95	
3	26-Dec	Drilling	09:30	10:05	0.58	9973	10056	83	10	142.3	65	9000	250	3400		91.51	179.22	1.02	
3	26-Dec	Drilling	10:10	10:45	0.58	10056	10150	94	10	161.1	65	9000	250	3400		91.73	179.45	0.84	
3	26-Dec	Sliding	10:50	11:30	0.67	10150	10163	13	10	19.5	65	9000	250	3400	120	91.75	179.56	0.84	
3	26-Dec	Drilling	11:30	11:55	0.42	10163	10245	82	10	196.8	65	9000	250	3400		91.13	180.60	1.73	
3	26-Dec	Sliding	12:00	12:35	0.58	10245	10259	14	10	24.0	65	9000	250	3400	120	90.99	180.80	1.73	
3	26-Dec	Drilling	12:35	13:05	0.50	10259	10340	81	10	162.0	65	9000	250	3400		89.61	181.00	1.91	
3	26-Dec	Sliding	13:05	13:35	0.50	10340	10342	2	10	4.0	65	9000	250	3400	120	89.57	181.00	1.91	
3	26-Dec	Drilling	13:35	14:05	0.50	10342	10435	93	10	186.0	65	9000	250	3400		87.88	179.50	2.95	
3	26-Dec	Drilling	14:45	15:25	0.67	10435	10529	94	10	141.0	65	9000	250	3400		88.38	178.29	1.84	
3	26-Dec	Sliding	15:30	16:15	0.75	10529	10544	15	10	20.0	65	9000	250	3400		88.64	178.17	1.84	
3	26-Dec	Drilling	16:15	16:45	0.50	10544	10624	80	10	160.0	65	9000	250	3400		90.35	178.05	2.26	
3	26-Dec	Sliding	16:50	17:30	0.67	10624	10639	15	10	22.5	65	9000	250	3400	60	90.69	178.05	2.26	
3	26-Dec	Drilling	17:30	17:55	0.42	10639	10719	80	10	192.0	65	12000	250	3600		91.70	178.94	1.73	
3	26-Dec	Sliding	18:00	18:45	0.75	10719	10734	15	10	20.0		12000	250	3600	100R	91.85	179.15	1.73	
3	26-Dec	Drilling	18:45	19:15	0.50	10734	10814	80	10	160.0	65	12000	250	3600		92.06	180.16	1.22	
3	26-Dec	Sliding	19:25	20:00	0.58	10814	10826	12	10	20.6		12000	250	3600	125R	92.07	180.31	1.22	
3	26-Dec	Drilling	20:00	20:30	0.50	10826	10908	82	12	164.0	65	12000	250	3600		91.32	180.66	1.21	
3	26-Dec	Sliding	20:38	21:05	0.45	10908	10920	12	10	26.7		12000	250	3600	160R	91.18	180.68	1.21	
3	26-Dec	Drilling	21:05	21:48	0.72	10920	11003	83	12	115.8	65	12000	250	3600		90.38	180.76	0.89	
3	26-Dec	Drilling	21:56	22:07	0.18	11003	11027	24	12	130.9	65	12000	250	3600		90.17	180.77	0.89	
3	26-Dec	Sliding	22:15	22:30	0.25	11027	11032	5	10	20.0		12000	250	3600	180	90.13	180.78	0.89	
3	26-Dec	Drilling	22:30	22:48	0.30	11032	11060	28	12	93.3	70	12000	250	3600		89.72	181.02	1.79	
3	26-Dec	Sliding	22:48	23:36	0.80	11060	11068	8	10	10.0		12000	250	3600	160R	89.60	181.10	1.79	

Slide Report for BHA # 3

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	RPM	Surf. Torque	Flow Rate	SPP	TFO	INC	AZM	DLS	Note
3	26-Dec	Drilling	23:41	24:00	0.32	11068	11132	64	12	202.1	70	12000	250	3600		88.64	181.67	1.56	
3	27-Dec	Drilling	00:00	00:20	0.33	11132	11193	61	12	183.0	70	12000	250	3600		88.03	180.93	1.56	
3	27-Dec	Drilling	00:27	00:58	0.52	11193	11287	94	12	181.9	70	12000	250	3600		88.69	180.33	1.59	
3	27-Dec	Sliding	01:05	01:50	0.75	11287	11297	10	10	13.3	70	12000	250	3600	35R	88.85	180.30	1.59	
3	27-Dec	Drilling	01:50	02:18	0.47	11297	11382	85	12	182.1	70	12000	250	3600		90.06	179.74	1.58	
3	27-Dec	Drilling	02:26	02:56	0.50	11382	11477	95	12	190.0	70	12000	250	3600		90.15	180.10	1.12	
3	27-Dec	Sliding	03:05	03:35	0.50	11477	11488	11	10	22.0		12000	250	3600	150R	90.09	180.21	1.12	
3	27-Dec	Drilling	03:35	04:09	0.57	11488	11572	84	12	148.2	70	12000	250	3600		90.45	179.94	1.07	
3	27-Dec	Drilling	04:20	04:54	0.57	11572	11667	95	12	167.6	70	12000	250	3600		90.01	179.77	1.10	
3	27-Dec	Sliding	05:01	05:30	0.48	11667	11675	8	14	16.6		12000	250	3600	160R	89.92	179.77	1.10	
3	27-Dec	Drilling	05:30	06:00	0.50	11675	11762	87	12	174.0	70	12000	250	3600		90.26	179.48	1.09	
3	27-Dec	Drilling	06:05	06:40	0.58	11762	11857	95	12	162.9	70	12000	250	3600		90.28	180.37	1.75	
3	27-Dec	Sliding	06:45	07:40	0.92	11857	11869	12	14	13.1	70	12000	250	3600	120R	90.22	180.57	1.75	
3	27-Dec	Drilling	07:40	08:10	0.50	11869	11952	83	12	166.0	70	12000	250	3600		90.38	180.05	1.42	
3	27-Dec	Drilling	08:15	08:50	0.58	11952	12047	95	12	162.9	70	12000	250	3600		89.78	180.50	1.82	
3	27-Dec	Sliding	08:55	09:55	1.00	12047	12059	12	14	12.0	70	12000	250	3600	135R	89.65	180.67	1.82	
3	27-Dec	Drilling	09:55	10:25	0.50	12059	12141	82	12	164.0	70	12000	250	3600		89.28	180.55	0.67	
3	27-Dec	Drilling	10:30	11:00	0.50	12141	12236	95	12	190.0	70	12000	250	3600		90.06	180.39	1.37	
3	27-Dec	Drilling	11:05	11:30	0.42	12236	12331	95	12	228.0	70	12000	250	3600		90.84	179.69	1.27	
3	27-Dec	Drilling	11:35	12:20	0.75	12331	12426	95	12	126.7	70	12000	250	3600		90.83	180.39	1.72	
3	27-Dec	Sliding	12:25	13:20	0.92	12426	12438	12	14	13.1	70	12000	250	3600	135R	90.79	180.59	1.72	
3	27-Dec	Drilling	13:20	13:55	0.58	12438	12520	82	12	140.6	70	12000	250	3600		89.61	181.50	2.03	
3	27-Dec	Sliding	14:00	15:00	1.00	12520	12532	12	14	12.0	70	12000	250	3600	150R	89.39	181.61	2.03	
3	27-Dec	Drilling	15:00	15:30	0.50	12532	12615	83	12	166.0	70	12000	250	3600		88.98	181.15	1.03	
3	27-Dec	Drilling	15:55	16:20	0.42	12615	12710	95	12	228.0	70	12000	250	3600		89.27	180.57	0.63	
3	27-Dec	Drilling	16:25	17:00	0.58	12710	12805	95	13	162.9	70	12000	250	3600		90.44	180.69	1.65	
3	27-Dec	Drilling	17:05	17:35	0.50	12805	12899	94	13	188.0	70	16000	250	3730		89.56	180.20	2.39	
3	27-Dec	Sliding	17:45	18:50	1.08	12899	12909	10	14	9.2		16000	250	3730	135L	89.34	180.10	2.39	
3	27-Dec	Drilling	18:50	19:40	0.83	12909	12989	80	13	96.0	70	16000	250	3730		89.09	179.76	0.45	
3	27-Dec	Drilling	19:48	20:24	0.60	12989	13089	100	13	166.7	70	16000	250	3730		89.79	179.61	0.90	
3	27-Dec	Drilling	20:31	20:42	0.18	13089	13119	30	13	163.6	70	16000	250	3730		90.06	179.58	0.90	
3	27-Dec	Sliding	20:49	21:30	0.68	13119	13124	5	14	7.3		16000	250	3730	40R	90.10	179.58	0.78	
3	27-Dec	Drilling	21:30	21:54	0.40	13124	13183	59	13	147.5	70	16000	250	3730		90.56	179.62	0.78	
3	27-Dec	Drilling	22:02	22:40	0.63	13183	13278	95	13	150.0	70	16700	250	3730		90.68	179.28	0.62	
3	27-Dec	Drilling	22:46	23:27	0.68	13278	13373	95	13	139.0	70	16700	250	3730		90.81	178.85	0.50	

Slide Report for BHA # 3

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	RPM	Surf. Torque	Flow Rate	SPP	TFO	INC	AZM	DLS	Note
3	27-Dec	Drilling	23:32	24:00	0.47	13373	13467	94	13	201.4	70	16700	250	3730		90.29	179.06	1.12	
3	28-Dec	Sliding	00:15	01:15	1.00	13467	13476	9	14	9.0		16700	250	3730	135R	90.20	179.11	1.12	
3	28-Dec	Drilling	01:15	01:51	0.60	13476	13562	86	13	143.3	70	16700	250	3730		90.19	179.34	0.39	
3	28-Dec	Drilling	01:59	02:33	0.57	13562	13656	94	13	165.9	70	16700	250	3730		89.50	179.70	1.36	
3	28-Dec	Sliding	02:39	04:20	1.68	13656	13666	10	14	5.9		16700	250	3730	125R	89.37	179.75	1.36	
3	28-Dec	Drilling	04:20	05:00	0.67	13666	13751	85	13	127.5	70	16700	250	3730		89.25	179.86	0.25	
3	28-Dec	Drilling	05:15	06:00	0.75	13751	13846	95	13	126.7	70	16700	250	3730		89.77	179.87	0.71	
3	28-Dec	Drilling	06:05	06:45	0.67	13846	13941	95	13	142.5	70	16700	250	3730		90.56	179.84	0.90	
3	28-Dec	Drilling	06:50	07:30	0.67	13941	14035	94	13	141.0	70	16700	250	3730		90.22	179.57	1.06	
3	28-Dec	Sliding	07:35	09:35	2.00	14035	14042	7	14	3.5	70	16700	250	3730	180	90.15	179.55	1.06	
3	28-Dec	Drilling	09:35	10:20	0.75	14042	14130	88	13	117.3	70	16700	250	3730		90.13	179.05	0.74	
3	28-Dec	Drilling	10:25	11:05	0.67	14130	14225	95	13	142.5	70	16700	250	3730		89.99	178.27	0.99	
3	28-Dec	Drilling	11:10	11:45	0.58	14225	14320	95	13	162.9	70	16700	250	3730		89.76	177.52	0.76	
3	28-Dec	Drilling	11:50	12:30	0.67	14320	14415	95	13	142.5	70	16700	250	3730		90.17	177.32	0.00	
3	28-Dec	Drilling	12:35	13:00	0.42	14415	14475	60	13	144.0	70	16700	250	3730		90.17	177.32	0.00	

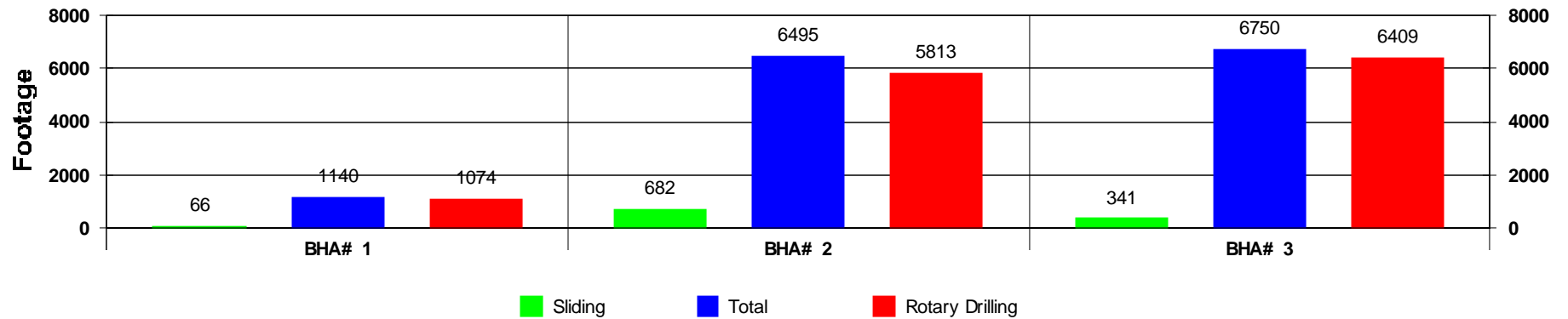
Total Drilled: 6750 **Avg. Total ROP:** 106.80 **DEPTH% - TIME %**

Total Rotary Drilled: 6409 **Avg. Rotary ROP:** 153.75 **Percent Rotary:** 94.95 - 65.95

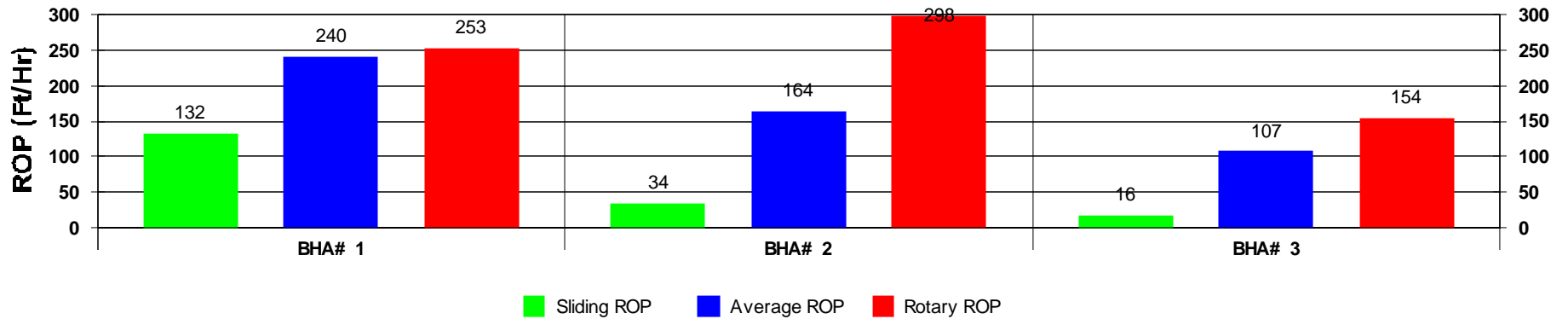
Total Drilled Sliding: 341 **Avg. Slide ROP:** 15.85 **Percent Slide:** 5.05 - 34.05

JOB NO.:	92890	FIELD:	Wattenberg	
Company:	EnCana Oil & Gas (USA) Inc.	Township:	2N	
LOCATION:		SECT/RANGE:	26	66W
RIG NAME:	Ensign 124	COMMENT		
STATE:	Colorado			
COUNTY:	Weld			
WELL NAME:	Rodman Bruntz 2A-26H			

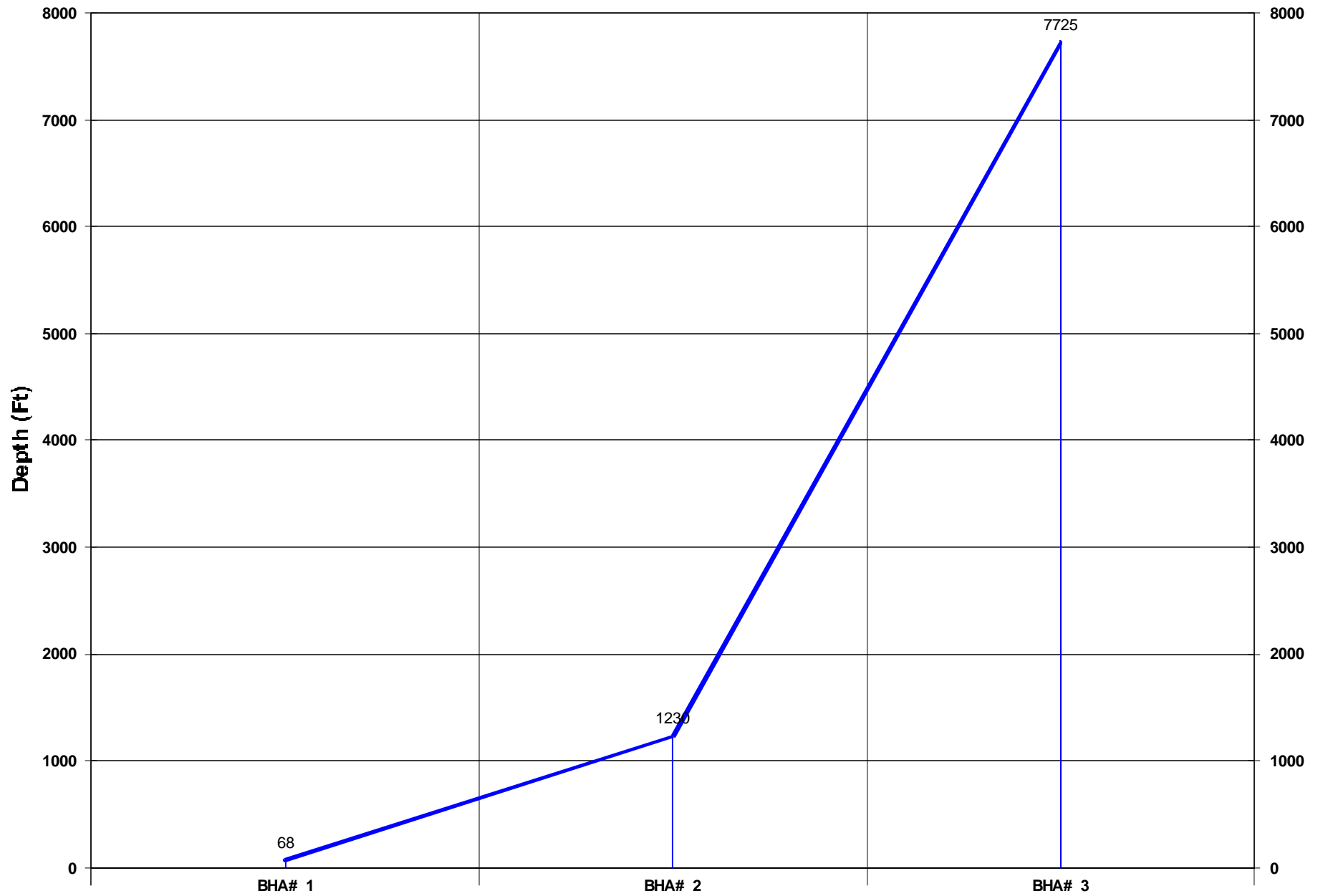
Footage Drilled with BHA



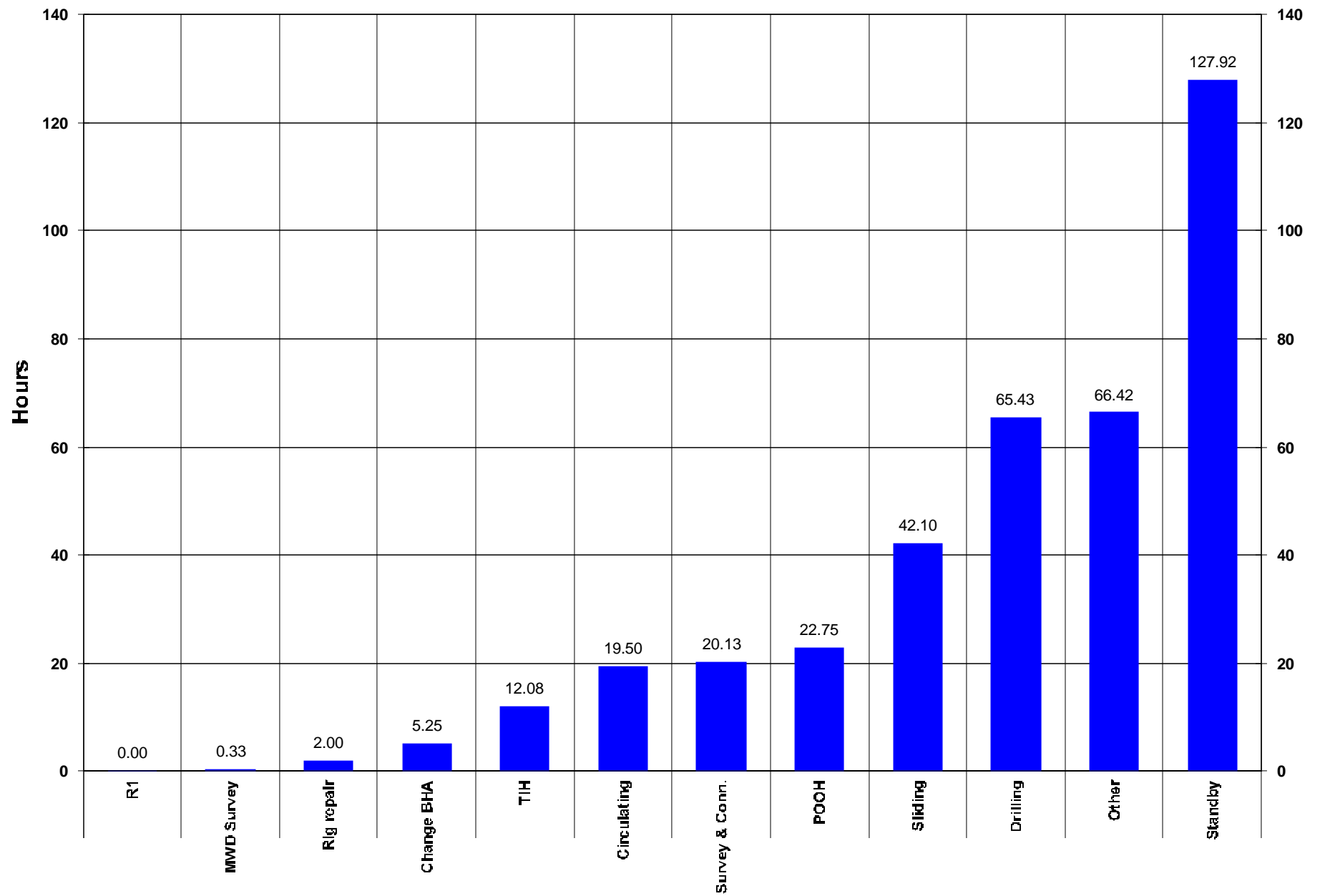
ROP vs BHA



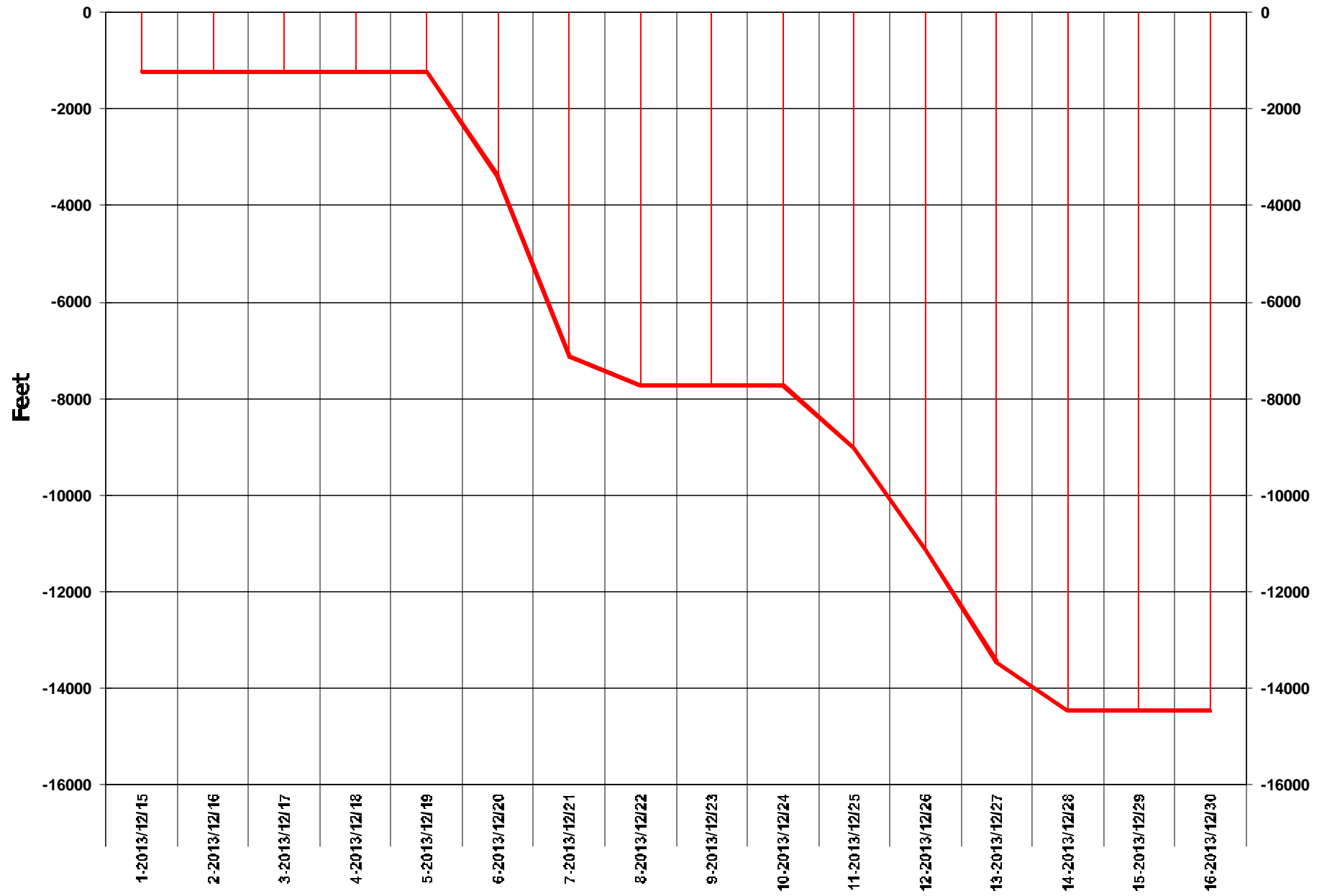
Depth vs BHA



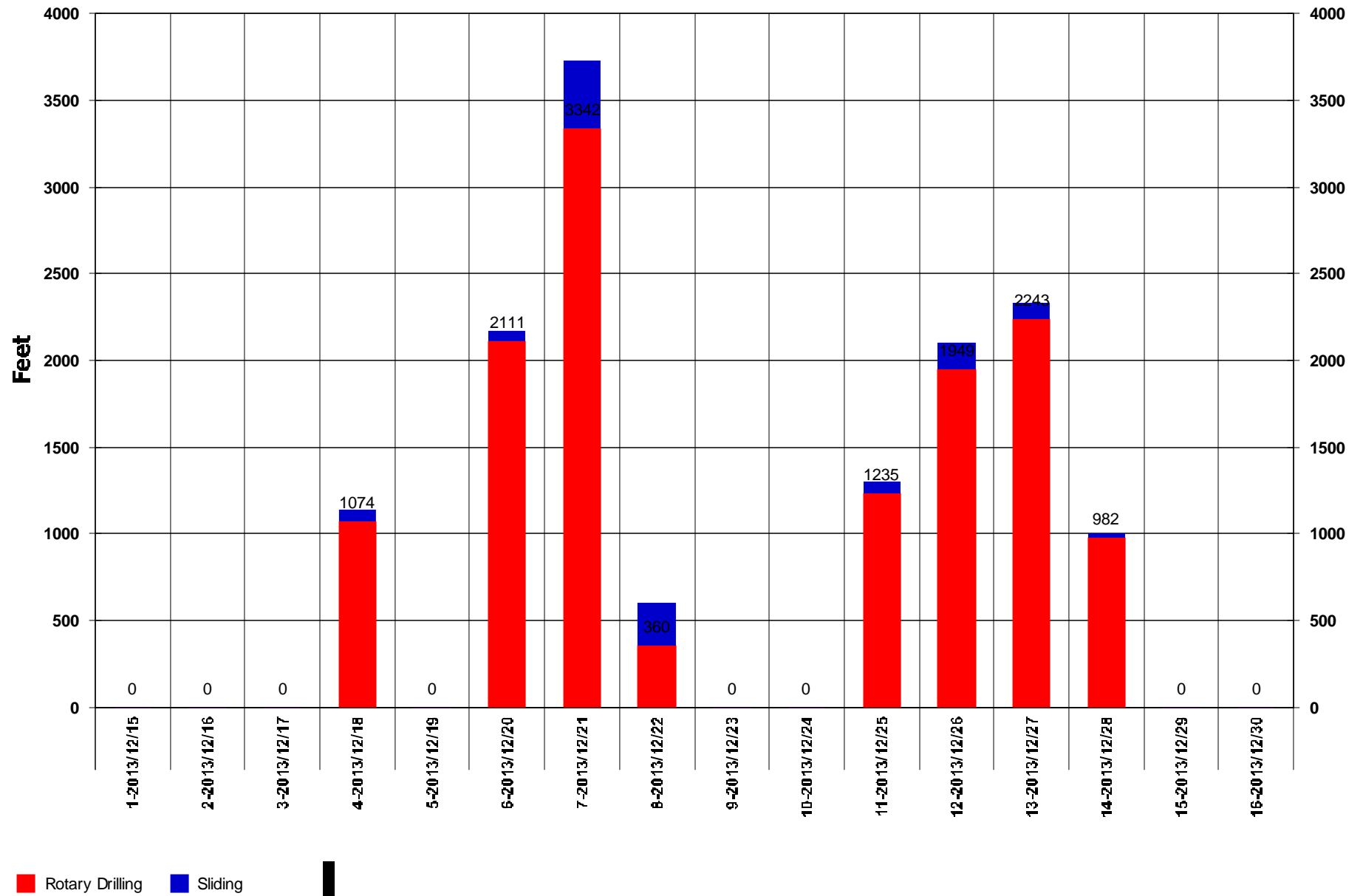
Activity Histogram



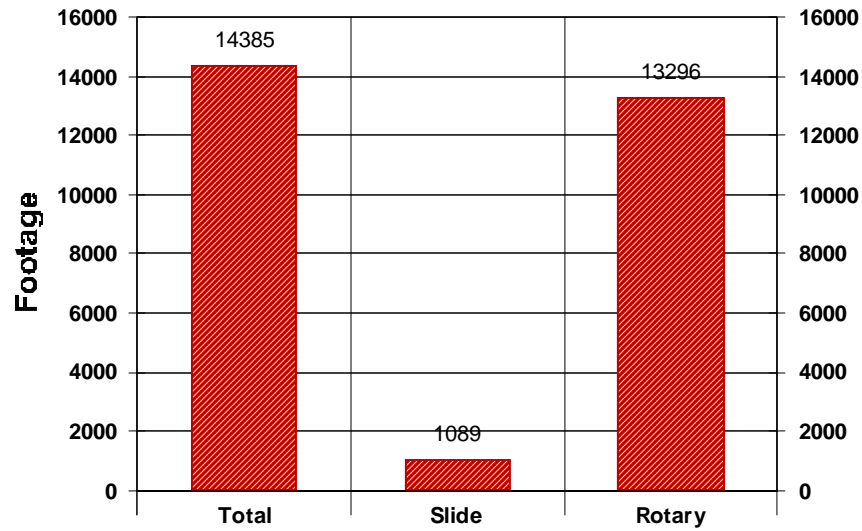
Measured Depth vs Days



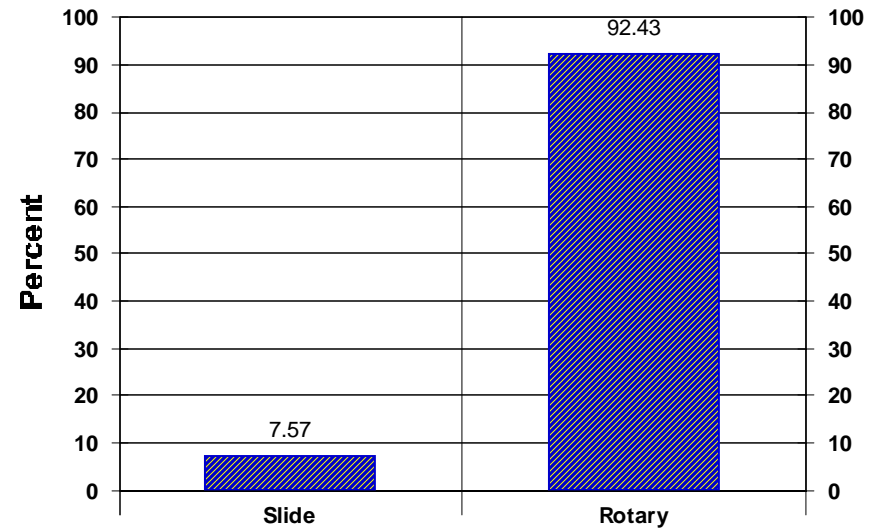
Daily Footage



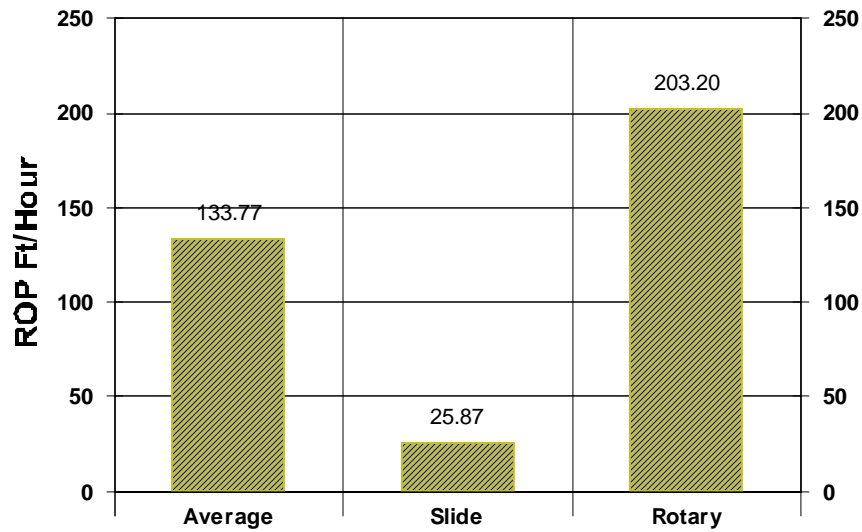
Footage Drilled Totals



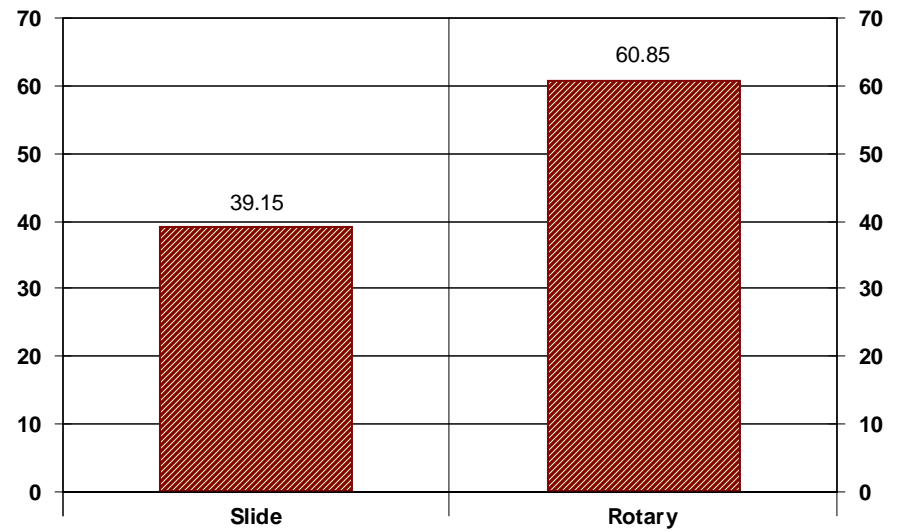
Footage Percent



Rate of Penetration Totals



Time Percent





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