



Ursa Operating Company, LLC

Rockies Region

Monument Ridge B

Monument Ridge B 33A-08-07-95

Wellbore #1

Design: Production

End of Well Report

28 December, 2015



Company:	Ursa Operating Company, LLC	Local Co-ordinate Reference:	Well Monument Ridge B 33A-08-07-95
Project:	Rockies Region	TVD Reference:	Monument Ridge B 33A-08-07-95 @ 5718.8usft (PLAN
Site:	Monument Ridge B	MD Reference:	Monument Ridge B 33A-08-07-95 @ 5718.8usft (PLAN
Well:	Monument Ridge B 33A-08-07-95	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Production	Database:	EDM 5000.1 Single User Db

Project		Rockies Region	
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Central Zone		

Site		Monument Ridge B			
Site Position:		Northing:		1,596,716.56 usft	
From:	Lat/Long	Easting:		2,287,433.43 usft	
Position Uncertainty:		Slot Radius:		13-3/16 "	
				Latitude: 39° 26' 40.501 N	
				Longitude: 108° 1' 24.665 W	
				Grid Convergence: -1.59 °	

Well		Monument Ridge B 33A-08-07-95, SHL: 39.447819075 -108.012356029				
Well Position	+N/-S	0.0 usft	Northing:	1,597,807.18 usft	Latitude:	39° 26' 52.149 N
	+E/-W	0.0 usft	Easting:	2,290,617.05 usft	Longitude:	108° 0' 44.482 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	5,718.8 usft	Ground Level:	5,701.8 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	11/17/2015	9.78	65.57	51,778

Design		Production			
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)		+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0		0.0	0.0	305.50

Survey Program		Date	12/28/2015		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
87.0	7,571.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard	

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Design:	Production	Database:	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
87.0	0.48	120.26	87.0	-0.4	-0.2	0.3	0.55	0.55	0.00	
115.0	0.57	109.01	115.0	-0.6	-0.3	0.5	0.49	0.32	-40.18	
146.0	0.31	83.61	146.0	-0.8	-0.3	0.8	1.03	-0.84	-81.94	
176.0	0.48	62.25	176.0	-0.9	-0.3	1.0	0.74	0.57	-71.20	
206.0	0.77	355.52	206.0	-0.9	0.0	1.1	2.43	0.97	-222.43	
235.0	1.14	329.75	235.0	-0.5	0.4	0.9	1.92	1.28	-88.86	
266.0	1.63	328.91	266.0	0.2	1.1	0.5	1.58	1.58	-2.71	
297.0	2.44	318.34	297.0	1.3	2.0	-0.1	2.87	2.61	-34.10	
327.0	3.30	319.73	326.9	2.7	3.1	-1.1	2.88	2.87	4.63	
358.0	3.78	312.21	357.9	4.6	4.5	-2.5	2.15	1.55	-24.26	
389.0	4.44	308.65	388.8	6.8	5.9	-4.2	2.28	2.13	-11.48	
419.0	5.14	305.88	418.7	9.3	7.4	-6.2	2.46	2.33	-9.23	
449.0	5.98	306.24	448.5	12.2	9.1	-8.5	2.80	2.80	1.20	
480.0	6.86	303.95	479.3	15.7	11.1	-11.3	2.96	2.84	-7.39	
511.0	7.91	303.95	510.1	19.7	13.3	-14.6	3.39	3.39	0.00	
541.0	8.96	302.24	539.8	24.1	15.7	-18.3	3.60	3.50	-5.70	
572.0	10.06	302.46	570.3	29.2	18.5	-22.7	3.55	3.55	0.71	
603.0	11.25	302.76	600.8	34.9	21.6	-27.5	3.84	3.84	0.97	
633.0	12.35	302.54	630.2	41.0	24.9	-32.7	3.67	3.67	-0.73	
664.0	13.70	303.00	660.4	48.0	28.7	-38.5	4.37	4.35	1.48	
695.0	15.12	302.98	690.4	55.7	32.9	-45.0	4.58	4.58	-0.06	
725.0	15.95	303.33	719.3	63.7	37.3	-51.7	2.78	2.77	1.17	
755.0	16.92	304.48	748.1	72.2	42.0	-58.8	3.41	3.23	3.83	
785.0	17.97	305.88	776.7	81.2	47.2	-66.1	3.77	3.50	4.67	
816.0	18.98	306.37	806.1	91.0	53.0	-74.0	3.30	3.26	1.58	
847.0	20.13	306.41	835.3	101.4	59.1	-82.4	3.71	3.71	0.13	

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Well:	Monument Ridge B 33A-08-07-95	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Production	Database:	EDM 5000.1 Single User Db

Survey									
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
889.0	21.67	306.54	874.5	116.4	68.0	-94.4	3.67	3.67	0.31
932.0	22.94	306.45	914.3	132.7	77.7	-107.6	2.95	2.95	-0.21
975.0	24.17	306.59	953.7	149.9	88.0	-121.4	2.86	2.86	0.33
1,017.0	25.31	306.28	991.9	167.5	98.4	-135.5	2.73	2.71	-0.74
1,060.0	26.94	305.84	1,030.5	186.4	109.5	-150.8	3.82	3.79	-1.02
1,103.0	28.78	306.23	1,068.5	206.5	121.4	-167.1	4.30	4.28	0.91
1,145.0	29.88	305.75	1,105.1	227.1	133.5	-183.7	2.68	2.62	-1.14
1,188.0	30.15	305.75	1,142.3	248.6	146.0	-201.2	0.63	0.63	0.00
1,231.0	30.81	306.15	1,179.4	270.4	158.8	-218.8	1.61	1.53	0.93
1,274.0	31.64	305.18	1,216.2	292.7	171.8	-236.9	2.26	1.93	-2.26
1,316.0	32.21	305.97	1,251.8	314.9	184.7	-255.0	1.68	1.36	1.88
1,359.0	32.92	306.28	1,288.1	338.0	198.4	-273.7	1.70	1.65	0.72
1,401.0	33.09	306.02	1,323.3	360.9	211.9	-292.2	0.53	0.40	-0.62
1,444.0	31.42	306.41	1,359.6	383.8	225.4	-310.7	3.91	-3.88	0.91
1,486.0	31.51	306.72	1,395.5	405.8	238.5	-328.3	0.44	0.21	0.74
1,530.0	32.17	306.94	1,432.9	429.0	252.4	-346.9	1.52	1.50	0.50
1,572.0	32.78	307.73	1,468.3	451.5	266.1	-364.8	1.77	1.45	1.88
1,615.0	33.35	307.33	1,504.3	475.0	280.4	-383.4	1.42	1.33	-0.93
1,658.0	32.08	306.24	1,540.5	498.2	294.3	-402.0	3.26	-2.95	-2.53
1,701.0	32.65	306.15	1,576.8	521.2	307.9	-420.6	1.33	1.33	-0.21
1,743.0	33.35	306.76	1,612.0	544.1	321.5	-439.0	1.84	1.67	1.45
1,786.0	34.10	306.85	1,647.8	567.9	335.8	-458.1	1.75	1.74	0.21
1,828.0	34.85	307.69	1,682.4	591.7	350.2	-477.0	2.11	1.79	2.00
1,891.0	35.00	308.64	1,734.1	627.7	372.5	-505.4	0.90	0.24	1.51
1,977.0	33.44	303.99	1,805.2	676.1	401.1	-544.3	3.54	-1.81	-5.41
2,062.0	33.49	303.11	1,876.1	722.9	427.0	-583.4	0.57	0.06	-1.04
2,148.0	32.78	303.64	1,948.1	769.9	452.9	-622.6	0.89	-0.83	0.62

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2,233.0	33.88	303.25	2,019.1	816.6	478.6	-661.6	1.32	1.29	-0.46	
2,319.0	32.92	302.54	2,090.9	863.8	504.3	-701.3	1.21	-1.12	-0.83	
2,404.0	34.41	302.76	2,161.7	910.9	529.8	-741.0	1.76	1.75	0.26	
2,489.0	33.75	305.62	2,232.1	958.5	556.5	-780.4	2.04	-0.78	3.36	
2,574.0	32.09	303.82	2,303.4	1,004.7	582.8	-818.4	2.27	-1.95	-2.12	
2,660.0	33.05	305.66	2,375.9	1,051.0	609.2	-856.4	1.60	1.12	2.14	
2,745.0	31.64	304.70	2,447.7	1,096.5	635.4	-893.6	1.77	-1.66	-1.13	
2,831.0	33.14	305.82	2,520.4	1,142.5	662.0	-931.2	1.88	1.74	1.30	
2,916.0	32.34	306.37	2,591.8	1,188.5	689.1	-968.3	1.00	-0.94	0.65	
3,002.0	32.87	306.02	2,664.3	1,234.8	716.5	-1,005.7	0.65	0.62	-0.41	
3,087.0	32.48	306.54	2,735.8	1,280.7	743.6	-1,042.7	0.57	-0.46	0.61	
3,173.0	34.15	306.02	2,807.7	1,327.9	771.6	-1,080.8	1.97	1.94	-0.60	
3,258.0	33.66	305.27	2,878.3	1,375.3	799.2	-1,119.3	0.76	-0.58	-0.88	
3,343.0	32.70	305.80	2,949.4	1,421.9	826.2	-1,157.2	1.18	-1.13	0.62	
3,429.0	33.66	305.44	3,021.4	1,468.9	853.6	-1,195.4	1.14	1.12	-0.42	
3,514.0	33.53	306.02	3,092.2	1,516.0	881.1	-1,233.6	0.41	-0.15	0.68	
3,599.0	32.78	306.02	3,163.3	1,562.4	908.4	-1,271.2	0.88	-0.88	0.00	
3,685.0	33.49	306.54	3,235.3	1,609.5	936.3	-1,309.1	0.89	0.83	0.60	
3,770.0	32.92	305.95	3,306.5	1,656.0	963.8	-1,346.6	0.77	-0.67	-0.69	
3,855.0	34.51	305.73	3,377.2	1,703.2	991.4	-1,384.9	1.88	1.87	-0.26	
3,941.0	33.75	306.67	3,448.4	1,751.4	1,019.9	-1,423.8	1.08	-0.88	1.09	
4,026.0	31.90	305.53	3,519.8	1,797.5	1,047.1	-1,461.0	2.29	-2.18	-1.34	
4,112.0	32.70	303.78	3,592.5	1,843.4	1,073.2	-1,498.8	1.43	0.93	-2.03	
4,197.0	31.25	303.99	3,664.6	1,888.4	1,098.3	-1,536.2	1.71	-1.71	0.25	
4,283.0	29.09	302.54	3,738.9	1,931.6	1,122.0	-1,572.3	2.65	-2.51	-1.69	
4,368.0	27.11	304.70	3,813.9	1,971.6	1,144.1	-1,605.7	2.62	-2.33	2.54	
4,453.0	26.32	308.48	3,889.8	2,009.8	1,166.9	-1,636.4	2.20	-0.93	4.45	

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4,539.0	23.73	309.66	3,967.8	2,046.1	1,189.8	-1,664.6	3.07	-3.01	1.37
4,624.0	22.28	309.75	4,046.0	2,079.2	1,211.0	-1,690.2	1.71	-1.71	0.11
4,709.0	20.87	308.43	4,125.0	2,110.4	1,230.7	-1,714.4	1.75	-1.66	-1.55
4,795.0	17.93	309.31	4,206.1	2,138.9	1,248.6	-1,736.7	3.44	-3.42	1.02
4,880.0	16.70	307.73	4,287.3	2,164.2	1,264.4	-1,756.5	1.55	-1.45	-1.86
4,966.0	15.03	305.58	4,370.0	2,187.7	1,278.5	-1,775.3	2.06	-1.94	-2.50
5,051.0	12.92	307.16	4,452.5	2,208.2	1,290.6	-1,791.8	2.52	-2.48	1.86
5,137.0	10.81	309.88	4,536.7	2,225.9	1,301.6	-1,805.7	2.54	-2.45	3.16
5,222.0	9.63	317.81	4,620.3	2,240.8	1,312.0	-1,816.6	2.16	-1.39	9.33
5,308.0	7.56	323.51	4,705.3	2,253.2	1,321.9	-1,824.8	2.60	-2.41	6.63
5,393.0	5.25	329.72	4,789.8	2,262.0	1,329.7	-1,830.1	2.83	-2.72	7.31
5,479.0	2.64	343.41	4,875.6	2,267.2	1,335.0	-1,832.6	3.21	-3.03	15.92
5,564.0	1.05	49.55	4,960.6	2,268.6	1,337.4	-1,832.6	2.84	-1.87	77.81
5,649.0	0.92	87.70	5,045.5	2,267.8	1,337.9	-1,831.3	0.77	-0.15	44.88
5,735.0	1.01	89.89	5,131.5	2,266.7	1,337.9	-1,829.9	0.11	0.10	2.55
5,820.0	0.70	99.60	5,216.5	2,265.6	1,337.9	-1,828.6	0.40	-0.36	11.42
5,905.0	0.97	110.28	5,301.5	2,264.4	1,337.5	-1,827.4	0.37	0.32	12.56
5,991.0	0.48	145.04	5,387.5	2,263.4	1,337.0	-1,826.5	0.74	-0.57	40.42
6,076.0	0.44	132.83	5,472.5	2,262.7	1,336.5	-1,826.1	0.12	-0.05	-14.36
6,162.0	0.31	142.80	5,558.5	2,262.2	1,336.1	-1,825.7	0.17	-0.15	11.59
6,247.0	0.79	162.36	5,643.5	2,261.5	1,335.3	-1,825.4	0.60	0.56	23.01
6,333.0	1.32	157.48	5,729.5	2,260.2	1,333.8	-1,824.8	0.62	0.62	-5.67
6,418.0	1.63	160.51	5,814.5	2,258.4	1,331.8	-1,824.0	0.38	0.36	3.56
6,503.0	1.19	260.27	5,899.4	2,258.0	1,330.5	-1,824.5	2.56	-0.52	117.36
6,589.0	1.54	276.75	5,985.4	2,259.6	1,330.5	-1,826.5	0.61	0.41	19.16
6,674.0	1.76	270.86	6,070.4	2,261.7	1,330.6	-1,829.0	0.33	0.26	-6.93
6,760.0	1.75	242.54	6,156.3	2,263.4	1,330.1	-1,831.5	1.00	-0.01	-32.93

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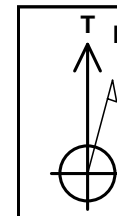
Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	
6,845.0	1.98	243.61	6,241.3	2,264.7	1,328.8	-1,833.9	0.27	0.27	1.26	
6,931.0	1.93	241.37	6,327.2	2,266.0	1,327.4	-1,836.5	0.11	-0.06	-2.60	
7,016.0	2.11	224.10	6,412.2	2,266.9	1,325.6	-1,838.9	0.74	0.21	-20.32	
7,101.0	2.33	216.41	6,497.1	2,267.1	1,323.1	-1,841.0	0.44	0.26	-9.05	
7,187.0	1.54	264.53	6,583.1	2,268.0	1,321.6	-1,843.2	2.02	-0.92	55.95	
7,272.0	1.49	278.81	6,668.1	2,269.9	1,321.7	-1,845.4	0.45	-0.06	16.80	
7,358.0	1.19	263.09	6,754.0	2,271.5	1,321.7	-1,847.4	0.55	-0.35	-18.28	
7,443.0	1.10	236.78	6,839.0	2,272.5	1,321.2	-1,849.0	0.62	-0.11	-30.95	
7,516.0	0.92	236.58	6,912.0	2,272.9	1,320.5	-1,850.0	0.25	-0.25	-0.27	
Projection to Bit										
7,571.0	0.92	236.58	6,967.0	2,273.3	1,320.0	-1,850.8	0.00	0.00	0.00	

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
7,516.0	6,912.0	1,320.5	-1,850.0	Projection to Bit

Checked By: _____ Approved By: _____ Date: _____

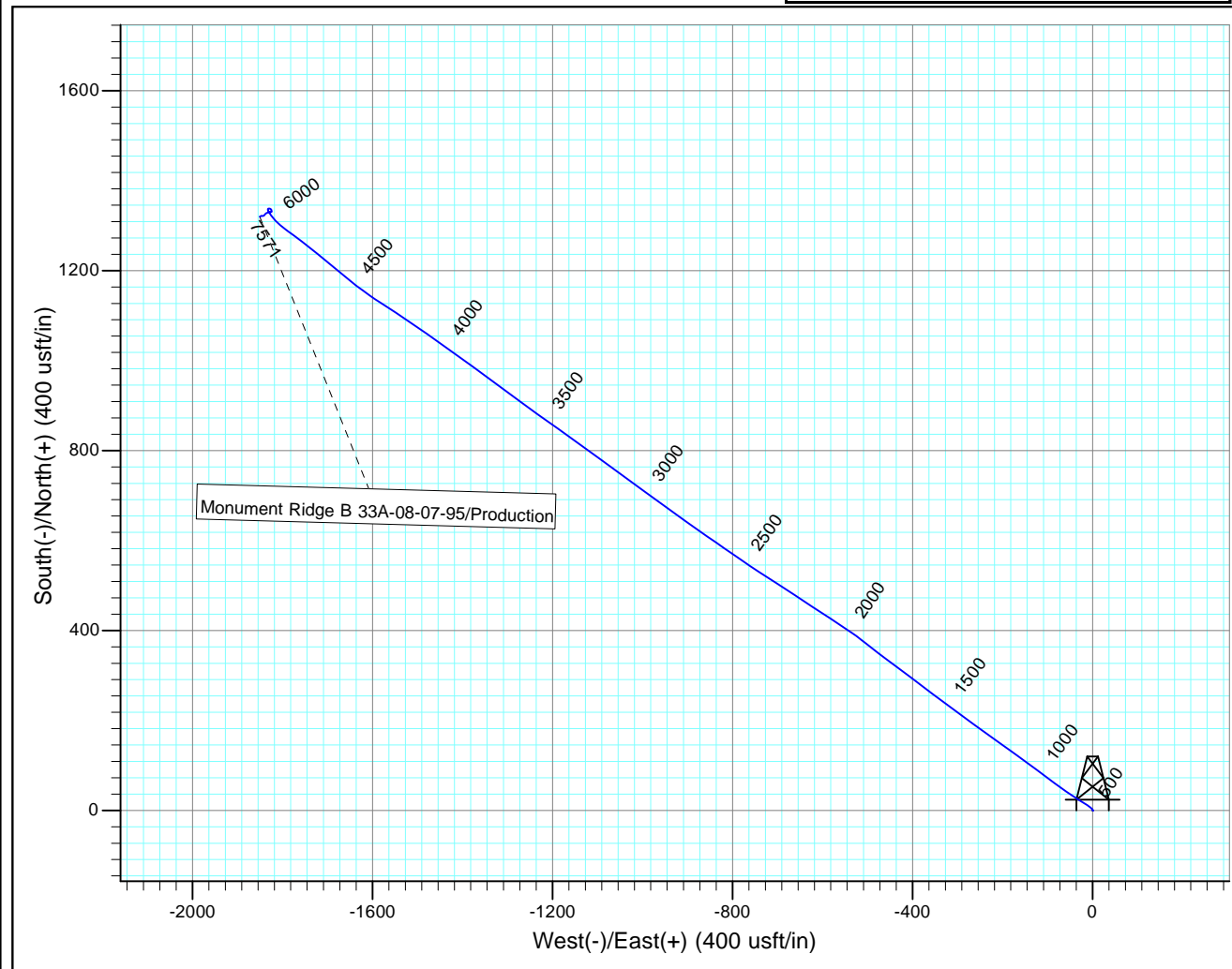
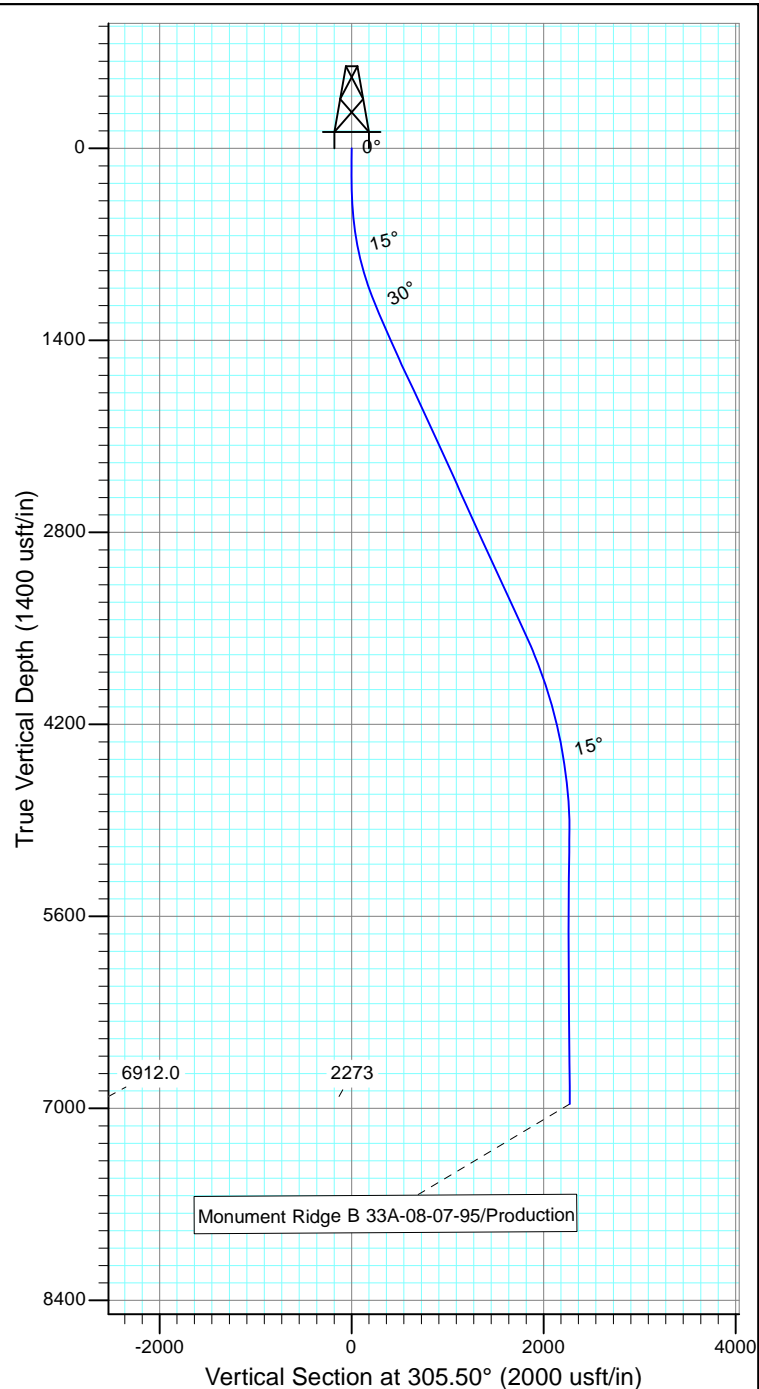


Project: Rockies Region
Site: Monument Ridge B
Well: Monument Ridge B 33A-08-07-95
Wellbore: Wellbore #1
Design: Production



Azimuths to True North
Magnetic North: 9.78°

Magnetic Field
Strength: 51777.9snT
Dip Angle: 65.57°
Date: 11/17/2015
Model: IGRF2010



Design: Production (Monument Ridge B 33A-08-07-95/Wellbore #1)

Created By: *Matthew Linton*

Date: 9:40, December 28 20

THIS SURVEY IS CORRECT TO THE BEST OF
MY KNOWLEDGE AND IS SUPPORTED
BY ACTUAL FIELD DATA



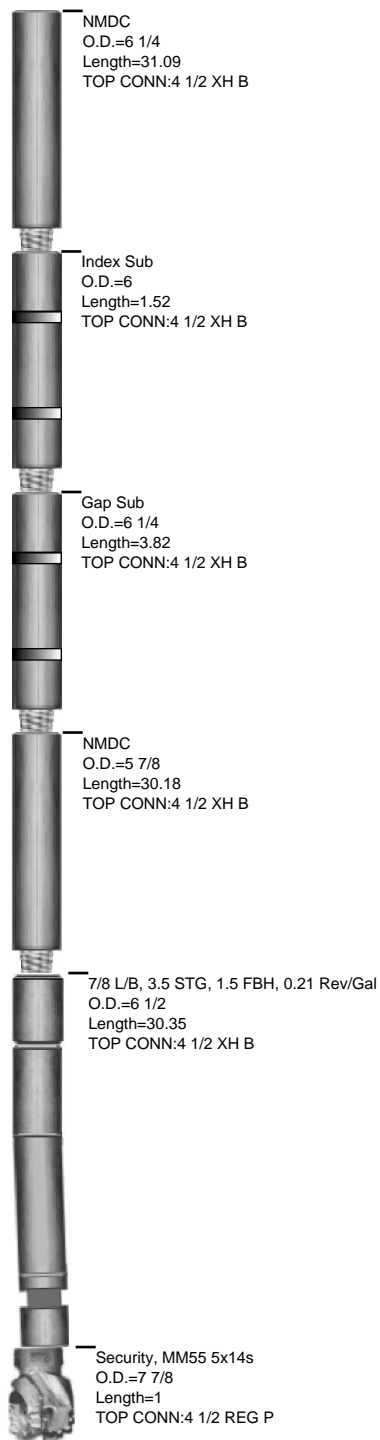
Well Information

BHA #

1

JOB NO.:	CO15575	FIELD:	Battlement Mesa
Company:	URSA Resources	Township:	7S
LOCATION:	Monument Ridge B Pad	SECTRANGE:	8
RIG NAME:	Capstar 321		95W
STATE:	Colorado		
COUNTY:	Garfield	BHA TYPE	Steerable Assembly
WELL NAME:	MRB 33A-08-07-95		

Maintain 32.96° Inc. @ 305.70° Azi. to
3876' TVD then drop to vertical
3.5°/100' & stay in target to TD.





JOB NO.: CO15575
Company: URSA Resources
LOCATION: Monument Ridge B Pad
RIG NAME: Capstar 321
STATE: Colorado
COUNTY: Country
WELL NAME: MRB 33A-08-07-95

FIELD: Battlement Mesa
Township: 7S
Range 95W

MOTOR INFORMATION	
Desc: 1.5 FBH,7/8 L/B,3.5 Stg.,.21 Rev/Gal	
Bent Hsg/Sub: 1.5 / 0	Bit to Bend: 6
Pad OD: 6 3/4	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	16-Dec	Drilling	19:05	19:30	0.42	1883	1946	63	20	151.2	50	8500	440	1200		33.98	305.71	3.54	
1	16-Dec	Sliding	19:40	19:43	0.05	1946	1957	11	25	220.0	50	8500	460	1200	90L	33.79	305.10	3.54	
1	16-Dec	Drilling	19:43	20:06	0.38	1957	2032	75	25	195.7	50	8500	460	1500		33.47	303.42	0.57	
1	16-Dec	Sliding	20:14	20:17	0.05	2032	2047	15	25	300.0	50	8500	460	1500	15R	33.48	303.27	0.57	
1	16-Dec	Drilling	20:17	20:44	0.45	2047	2117	70	25	155.6	50	8500	460	1500		33.04	303.45	0.89	
1	16-Dec	Drilling	20:52	21:18	0.43	2117	2203	86	25	198.5	50	8500	460	1500		33.49	303.39	1.32	
1	16-Dec	Sliding	21:26	21:31	0.08	2203	2223	20	25	240.0	50	8500	460	1500	20R	33.75	303.29	1.32	
1	16-Dec	Drilling	21:31	21:52	0.35	2223	2288	65	25	185.7	50	9000	460	1500		33.27	302.80	1.21	
1	16-Dec	Drilling	22:00	22:23	0.38	2288	2374	86	25	224.3	50	9000	460	1500		33.88	302.68	1.76	
1	16-Dec	Sliding	22:31	22:38	0.12	2374	2396	22	25	188.6	50	9000	460	1500	35R	34.27	302.74	1.76	
1	16-Dec	Drilling	22:38	22:59	0.35	2396	2459	63	25	180.0	50	9000	460	1500		33.98	304.60	2.04	
1	16-Dec	Sliding	23:06	23:10	0.07	2459	2471	12	25	180.0	50	9000	460	1500	90R	33.88	305.01	2.04	
1	16-Dec	Drilling	23:10	23:30	0.33	2471	2544	73	25	219.0	50	9000	460	1500		32.67	304.47	2.27	
1	16-Dec	Drilling	23:35	23:58	0.38	2544	2629	85	25	221.7	50	9000	460	1500		32.70	305.01	1.60	
1	17-Dec	Sliding	00:05	00:12	0.12	2629	2651	22	25	188.6	50	9000	460	1500	40R	32.95	305.47	1.60	
1	17-Dec	Drilling	00:12	00:30	0.30	2651	2715	64	25	213.3	50	10000	460	1650		32.14	305.05	1.77	
1	17-Dec	Drilling	00:36	00:59	0.38	2715	2800	85	25	221.7	50	10000	460	1650		32.60	305.43	1.88	
1	17-Dec	Sliding	01:06	01:15	0.15	2800	2823	23	25	153.3	50	10000	460	1650	35R	33.00	305.72	1.88	
1	17-Dec	Drilling	01:15	01:33	0.30	2823	2886	63	25	210.0	50	10000	460	1650		32.62	306.17	1.00	
1	17-Dec	Drilling	01:39	02:03	0.40	2886	2971	85	25	212.5	50	10000	460	1650		32.68	306.15	0.65	
1	17-Dec	Sliding	02:11	02:23	0.20	2971	2996	25	25	125.0	50	10000	460	1650	20R	32.83	306.04	0.65	
1	17-Dec	Drilling	02:23	02:43	0.33	2996	3057	61	25	183.0	50	10000	460	1650		32.62	306.36	0.57	
1	17-Dec	Drilling	02:49	03:12	0.38	3057	3142	85	25	221.7	50	10000	460	1650		33.55	306.20	1.97	
1	17-Dec	Sliding	03:19	03:27	0.13	3142	3167	25	25	187.5	50	10000	460	1650	20R	34.03	306.05	1.97	
1	17-Dec	Drilling	03:27	03:47	0.33	3167	3228	61	25	183.0	50	10000	460	1650		33.83	305.54	0.76	
1	17-Dec	Drilling	03:52	04:20	0.47	3228	3313	85	25	182.1	50	10000	460	1650		33.04	305.61	1.18	

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	17-Dec	Drilling	04:23	04:52	0.48	3313	3398	85	25	175.9	50	10000	460	1650		33.31	305.57	1.14	
1	17-Dec	Sliding	04:55	05:06	0.18	3398	3422	24	25	130.9	50	10000	460	1650	20R	33.58	305.47	1.14	
1	17-Dec	Drilling	05:06	05:30	0.40	3422	3484	62	25	155.0	50	10000	460	1650		33.58	305.81	0.41	
1	17-Dec	Drilling	05:32	05:58	0.43	3484	3569	85	25	196.2	50	10000	460	1650		33.04	306.02	0.88	
1	17-Dec	Drilling	06:00	06:30	0.50	3569	3654	85	25	170.0	50	10000	460	1650		33.23	306.35	0.89	
1	17-Dec	Sliding	06:32	06:45	0.22	3654	3679	25	25	115.4	50	10000	460	1650	20R	33.44	306.50	0.89	
1	17-Dec	Drilling	06:45	07:14	0.48	3679	3740	61	25	126.2	50	10000	460	1650		33.12	306.16	0.77	
1	17-Dec	Drilling	07:17	07:48	0.52	3740	3825	85	25	164.5	50	10000	460	1650		33.95	305.81	1.88	
1	17-Dec	Sliding	07:51	08:03	0.20	3825	3850	25	25	125.0	50	10000	460	1650	20R	34.42	305.74	1.88	
1	17-Dec	Drilling	08:03	08:31	0.47	3850	3910	60	25	128.6	50	10000	460	1650		34.02	306.33	1.08	
1	17-Dec	Drilling	08:34	08:58	0.40	3910	3996	86	25	215.0	50	10000	460	1650		32.55	305.95	2.29	
1	17-Dec	Drilling	09:01	09:27	0.43	3996	4081	85	25	196.2	50	10000	460	1650		32.41	304.40	1.43	
1	17-Dec	Sliding	09:33	09:43	0.17	4081	4106	25	25	150.0	50	10000	460	1650	20R	32.64	303.90	1.43	
1	17-Dec	Drilling	09:43	10:12	0.48	4106	4167	61	25	126.2	50	10000	460	1650		31.76	303.91	1.71	
1	17-Dec	Drilling	10:15	10:44	0.48	4167	4252	85	25	175.9	50	10000	460	1650		29.87	303.08	2.65	
1	17-Dec	Drilling	11:44	12:01	0.28	4252	4338	86	25	303.5	50	10000	460	1650		27.80	303.91	2.62	
1	17-Dec	Sliding	12:05	12:12	0.12	4338	4350	12	25	102.9	50	10000	460	1650	110R	27.53	304.22	2.62	
1	17-Dec	Drilling	12:12	12:45	0.55	4350	4423	73	25	132.7	50	10000	460	1650		26.59	307.12	2.20	
1	17-Dec	Sliding	12:48	12:55	0.12	4423	4435	12	25	102.9	50	10000	460	1650	160R	26.48	307.66	2.20	
1	17-Dec	Drilling	12:55	13:30	0.58	4435	4508	73	25	125.1	50	10000	460	1650		24.66	309.21	3.07	
1	17-Dec	Sliding	13:34	13:43	0.15	4508	4520	12	25	80.0	50	10000	460	1650	160R	24.30	309.38	3.07	
1	17-Dec	Drilling	13:43	14:15	0.53	4520	4594	74	25	138.8	50	10000	460	1650		22.79	309.72	1.71	
1	17-Dec	Sliding	14:19	14:23	0.07	4594	4602	8	25	120.0	50	10000	460	1650	160R	22.66	309.73	1.71	
1	17-Dec	Drilling	14:23	15:00	0.62	4602	4679	77	25	124.9	50	10000	460	1650		21.37	308.91	1.75	
1	17-Dec	Drilling	15:04	15:47	0.72	4679	4764	85	25	118.6	50	10000	460	1650		18.99	308.96	3.44	
1	17-Dec	Sliding	15:52	16:00	0.13	4764	4776	12	25	90.0	50	10000	460	1650	160R	18.58	309.09	3.44	
1	17-Dec	Drilling	16:00	16:30	0.50	4776	4850	74	25	148.0	50	10000	460	1650		17.13	308.31	1.55	
1	17-Dec	Drilling	16:35	17:10	0.58	4850	4935	85	25	145.7	50	10000	460	1650		15.63	306.41	2.06	
1	17-Dec	Drilling	17:15	17:45	0.50	4935	5021	86	25	172.0	50	10000	460	1650		13.66	306.55	2.52	
1	17-Dec	Sliding	17:50	18:00	0.17	5021	5031	10	25	60.0	50	10000	460	1650	160R	13.42	306.74	2.52	
1	17-Dec	Drilling	18:00	18:30	0.50	5031	5106	75	25	150.0	50	10000	460	1650		11.57	308.79	2.54	
1	17-Dec	Sliding	18:35	18:50	0.25	5106	5116	10	25	40.0	50	10000	460	1650	160R	11.32	309.12	2.54	
1	17-Dec	Drilling	18:50	19:20	0.50	5116	5192	76	25	152.0	50	10000	460	1650		10.02	314.80	2.16	
1	17-Dec	Sliding	19:25	19:45	0.33	5192	5212	20	25	60.0	50	10000	460	1650	160R	9.76	316.78	2.16	
1	17-Dec	Drilling	19:45	20:10	0.42	5212	5277	65	25	156.0	50	10000	460	1650		8.30	321.13	2.60	

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	17-Dec	Sliding	20:15	20:35	0.33	5277	5297	20	25	60.0	50	10000	460	1650	180	7.82	322.61	2.60	
1	17-Dec	Drilling	20:35	21:00	0.42	5297	5363	66	25	158.4	50	10000	460	1650		6.06	326.99	2.83	
1	17-Dec	Sliding	21:05	21:30	0.42	5363	5388	25	25	60.0	50	10000	460	1650	180	5.38	329.21	2.83	
1	17-Dec	Drilling	21:30	22:00	0.50	5388	5448	60	25	120.0	50	10000	460	1650		3.56	336.18	3.21	
1	17-Dec	Sliding	22:05	22:40	0.58	5448	5478	30	25	51.4	50	10000	460	1650	180	2.67	343.10	3.21	
1	17-Dec	Drilling	22:40	23:05	0.42	5478	5534	56	25	134.4	50	10000	460	1650		1.36	10.66	2.84	
1	17-Dec	Sliding	23:10	23:45	0.58	5534	5564	30	25	51.4	50	10000	460	1650	160M	1.05	49.55	2.84	
1	17-Dec	Drilling	23:45	24:00	0.25	5564	5577	13	25	52.0	50	10000	460	1650		1.00	54.52	0.77	
1	18-Dec	Drilling	00:00	00:25	0.42	5577	5619	42	25	100.8	50	10000	460	1650		0.92	73.22	0.77	
1	18-Dec	Drilling	00:30	01:00	0.50	5619	5704	85	25	170.0	50	10000	460	1650		0.98	89.15	0.11	
1	18-Dec	Drilling	01:05	01:45	0.67	5704	5790	86	25	129.0	50	10000	460	1650		0.81	95.33	0.40	
1	18-Dec	Drilling	01:50	02:35	0.75	5790	5875	85	25	113.3	50	10000	460	1650		0.87	107.27	0.37	
1	18-Dec	Drilling	02:40	03:15	0.58	5875	5960	85	25	145.7	50	10000	460	1650		0.63	126.49	0.74	
1	18-Dec	Drilling	03:20	04:10	0.83	5960	6046	86	25	103.2	50	10000	460	1650		0.45	137.38	0.12	
1	18-Dec	Drilling	04:15	04:55	0.67	6046	6131	85	25	127.5	50	10000	460	1650		0.36	138.37	0.17	
1	18-Dec	Drilling	05:00	05:40	0.67	6131	6217	86	25	129.0	50	10000	460	1650		0.62	158.95	0.60	
1	18-Dec	Drilling	05:45	06:29	0.73	6217	6302	85	25	115.9	50	10000	460	1650		1.13	158.71	0.62	
1	18-Dec	Drilling	06:33	07:06	0.55	6302	6387	85	25	154.5	50	10000	460	1650		1.52	159.55	0.38	
1	18-Dec	Drilling	07:10	07:45	0.58	6387	6473	86	25	147.4	50	10000	460	1650		0.88	220.14	2.56	
1	18-Dec	Sliding	07:50	08:20	0.50	6473	6503	30	25	60.0	50	10000	460	1650	340M	1.19	260.27	2.56	
1	18-Dec	Drilling	08:20	08:58	0.63	6503	6558	55	25	86.8	50	10000	460	1650		1.40	271.77	0.61	
1	18-Dec	Drilling	09:01	09:28	0.45	6558	6644	86	25	191.1	50	10000	460	1650		1.68	272.76	0.33	
1	18-Dec	Drilling	09:32	10:09	0.62	6644	6729	85	25	137.8	50	10000	460	1650		1.70	252.71	1.00	
1	18-Dec	Drilling	10:12	10:46	0.57	6729	6815	86	25	151.8	50	10000	460	1650		1.90	243.26	0.27	
1	18-Dec	Drilling	10:50	11:27	0.62	6815	6900	85	25	137.8	50	10000	460	1650		1.95	242.19	0.11	
1	18-Dec	Drilling	11:30	12:00	0.50	6900	6986	86	25	172.0	50	10000	460	1650		2.03	229.83	0.74	
1	18-Dec	Drilling	12:04	12:43	0.65	6986	7071	85	25	130.8	50	10000	460	1650		2.25	218.95	0.44	
1	18-Dec	Drilling	12:46	13:17	0.52	7071	7156	85	25	164.5	50	10000	460	1650		1.67	242.50	2.02	
1	18-Dec	Sliding	13:21	13:49	0.47	7156	7176	20	25	42.9	50	10000	460	1650	20M	1.56	256.34	2.02	
1	18-Dec	Drilling	13:49	14:22	0.55	7176	7242	66	25	120.0	50	10000	460	1650		1.50	273.67	0.45	
1	18-Dec	Drilling	14:26	14:57	0.52	7242	7327	85	25	164.5	50	10000	460	1650		1.29	269.59	0.55	
1	18-Dec	Drilling	14:59	15:30	0.52	7327	7413	86	25	166.5	50	10000	460	1650		1.10	246.49	0.62	
1	18-Dec	Drilling	15:35	16:15	0.67	7413	7498	85	25	127.5	50	10000	460	1650		0.96	236.64	0.25	
1	18-Dec	Drilling	16:20	16:55	0.58	7498	7571	73	25	125.1	50	10000	460	1650		0.92	236.58	0.00	

Slide Report for BHA # 1

Note: Surveys listed are interpolated from the actual surveys

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
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Total Drilled:	5688	Avg. Total ROP:	140.97	DEPTH% - TIME %	
Total Rotary Drilled:	5163	Avg. Rotary ROP:	150.09	Percent Rotary:	90.77 - 85.25
Total Drilled Sliding:	525	Avg. Slide ROP:	88.24	Percent Slide:	9.23 - 14.75



JOB NO.:	CO15575
Company:	URSA Resources
LOCATION:	Monument Ridge B Pad
RIG NAME:	Capstar 321
STATE:	Colorado
COUNTY:	U.S
WELL NAME:	MRB 33A-08-07-95

FIELD:	Battlement Mesa	
Township:	7S	
SECT\ RANGE:	8	95W

Tool Utilization Report

Bits

12660208 - Security, MM55 5x14s

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled
1	33.67	5.95	41.35	41.35	57.00	5,688.00
1	33.67	5.95	41.35	41.35	57.00	5,688.00
1	33.67	5.95	41.35	41.35	57.00	5,688.00

<< Summary for 12660208

<< Summary for Bits

DC

ATM-64-658 - NMDC

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled
1	33.67	5.95	41.35	41.35	57.00	5,688.00
1	33.67	5.95	41.35	41.35	57.00	5,688.00

<< Summary for ATM-64-658

PZD-NM-650-00 - NMDC

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled
1	33.67	5.95	41.35	41.35	57.00	5,688.00
1	33.67	5.95	41.35	41.35	57.00	5,688.00
2	67.33	11.90	82.70	82.70	114.00	11,376.00

<< Summary for PZD-NM-650-00

<< Summary for DC

Motors

6299 - 7/8 L/B, 3.5 STG, 1.5 FBH, 0.21 Rev/Gal

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled
1	33.67	5.95	41.35	41.35	57.00	5,688.00
1	33.67	5.95	41.35	41.35	57.00	5,688.00
1	33.67	5.95	41.35	41.35	57.00	5,688.00

<< Summary for 6299

<< Summary for Motors

MWD

Tool Utilization Report

PZD-GS-612 - Gap Sub

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled
1	33.67	5.95	41.35	41.35	57.00	5,688.00
1	33.67	5.95	41.35	41.35	57.00	5,688.00

<< Summary for PZD-GS-612

PZD-IS-601 - Index Sub

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled
1	33.67	5.95	41.35	41.35	57.00	5,688.00
1	33.67	5.95	41.35	41.35	57.00	5,688.00
2	67.33	11.90	82.70	82.70	114.00	11,376.00

<< Summary for PZD-IS-601

<< Summary for MWD



JOB NO.: CO15575
Company: URSA Resources
LOCATION: Monument Ridge B Pad
RIG NAME: Capstar 321
STATE: Colorado
COUNTY: Garfield
WELL NAME: MRB 33A-08-07-95

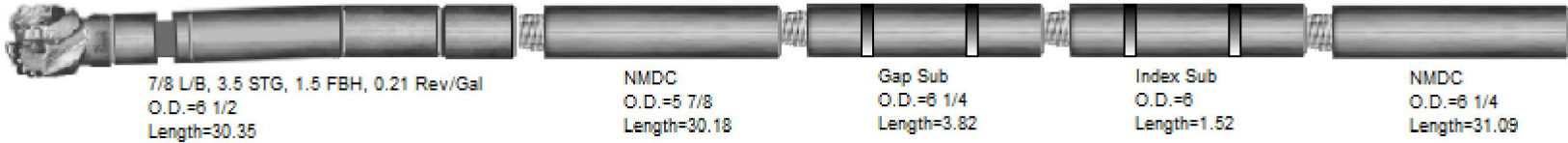
FIELD: Battlement Mesa
Township: 7S
SECT\ RANGE: 8 95W

COMMENT

BHA Summary Report for JOB

#	TIME IN - OUT			DEPTHS		Footage			ROP			RPM	FLOW	Incl.		Azimuth		Weight Ranges		
	Time IN	Time Out	Hrs.	IN	OUT	Rotary	Slide	Total	AVG.	Rotary	Slide		Rate	IN	OUT	IN	OUT	SO	PU	RAB
1	16-Dec-15 @ 16:30	19-Dec-15 @ 01:30	57.00	1883.0	7571.0	5163.0	525.0	5688.0	143.58	153.4	88.2	30-50	330-460	.0	.0	.0	.0	60-60	60-75	60-68
				Hours>		33.67	5.95	39.62												

Security, MM55 5x14s
O.D.=7 7/8
Length=1





Well Information

BHA # 1

JOB NO.: CO15575
Company: URSA Resources
LOCATION: Monument Ridge B Pad
RIG NAME: Capstar 321
STATE: Colorado
COUNTY: Garfield
WELL NAME: MRB 33A-08-07-95

FIELD: Battlement Mesa
Township: 7S
SECT. RANGE: 8 95W
Lead DD: Nick Dean
Co. Man: Richard Mcneill
BHA TYPE: Steerable Assembly

BHA Summary Information

TIME IN - OUT			Rotary Hours		34.40		Start Depth		1883.00		RPM	Flow	
Start Time		End Time		Circ Hrs Tot/Only		42.28 / 1.93		End Depth		7571.00		Range	Rate
16-Dec-15 @ 16:30		19-Dec-15 @ 01:30		Slide Hours		5.95		Percent Rotary:		90.77		30 -50	330 -460
				Below Rotary Hrs.		57.00		Percent Slide:		9.23			
Total Drilled:				5688.00		Avg. Total ROP:		140.97		Incl.		Azimuth	
Total Rotary Drilled:				5163.00		Avg. Rotary ROP:		150.09		IN	OUT	IN	OUT
Total Drilled Sliding:				525.00		Avg. Slide ROP:		88.24		.0	.0	.00	.00
SPP	600 -1650	Weights	SO	60 -60	PU	60 -75	RAB	60 -68	Reason POOH			PP	

Bit Data				MOTOR DATA				Mud Data			
Security	Security, MM55 5x14s			1.5 FBH, 7/8 L/B, 3.5 Stg., 21 Rev/Gal				Type	Gel/Chem		
Type Bit		PDC		Model: Arrow		Pad OD		WT	9.25	GAS	0 Solids
TFA	0.751			MFG.	Hunting	6 3/4		Vis	45	SAND	0.25 T °
JETS		14	14	14	14	14	Bend °	1.5	Stator/Rotor	7/8	
		0	0	0	0	0	Bit to Bend	6	Motor Diff		
Bit Coding		IADC#		Rev/GAL	0.21			BHT°	0		
IR	OR	DL	Loc	BS	G	ODL	NB Stab	0	PUMPS		
1	1		S		1		Rotor Jet	0	PUMP1		
Bit Drop:		320 PSI @ 460 GPM		Sensor Offsets					PUMP1		
Comments		Sensor	55	Sonic	0				NAME		
		Gamma	0	DNsc	1883				Model		
		Restiv	0	GYRO	0				Type		
									Liner		
									Stroke		
									Efficiency		

Maintain 32.96° Inc. @ 305.70° Azi. to 3876' TVD then drop to vertical 3.5°/100' & stay in target to TD.

BHA Detail

#	Description	Serial #	I.D.	O.D.	Length	Sum	Top Conn
1	Security, MM55 5x14s	12660208	0	7 7/8	1.00	1.00	4 1/2 REGP
2	7/8 L/B, 3.5 STG, 1.5 FBH, 0.21 Rev/Gal	6299	0	6 1/2	30.35	31.35	4 1/2 XHB
3	NMDC	ATM-64-658	2 3/4	5 7/8	30.18	61.53	4 1/2 XHB
4	Gap Sub	PZD-GS-612	2 3/4	6 1/4	3.82	65.35	4 1/2 XHB
5	Index Sub	PZD-IS-601	2 3/4	6	1.52	66.87	4 1/2 XHB
6	NMDC	PZD-NM-650-00	2 3/4	6 1/4	31.09	97.96	4 1/2 XHB

NMDC
O.D.=6 1/4
Length=31.09
FN=0

Index Sub
O.D.=6
Length=1.52
FN=0

Gap Sub
O.D.=6 1/4
Length=3.82
FN=0

NMDC
O.D.=5 7/8
Length=30.18
FN=0

7/8 L/B, 3.5 STG, 1.5 FBH, 0.21 Rev/G
O.D.=6 1/2
Length=30.35
FN=1.27

Security, MM55 5x14s
O.D.=7 7/8
Length=1
FN=0



JOB NO.:	CO15575	Report Time:	2400	1 of 4
Company:	URSA Resources	API JOB #	05-045-22901-0000	
LOCATION:	Monument Ridge B Pad	WORK ORDER#	CO15575	
RIG NAME:	Capstar 321	FIELD:	Battlement Mesa	
STATE:	Colorado	Township:	7S	
COUNTY:	Garfield	SECTRANGE:	8	95W
WELL NAME:	MRB 33A-08-07-95			

From Wednesday, December 16, 2015 at 0000 to Wednesday, December 16, 2015 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	1883.00	Rotary Hours	4.22	WOB	25	Pick UP	70	Slack Off	60	SPM	
End Depth	2629.00	Circulating Hours	0.00	RAB	65	SPP	1500	FlowRate	0 - 460	125	
Total Drilled:	746.00	Avg. Total ROP:	162.76	Mud Data							
Total Rotary Drilled:	666.00	Avg. Rotary ROP:	157.94	Type	Gel/Chem			PV	14	SOLID	3.2
Total Drilled Sliding:	80.00	Avg. Slide ROP:	218.18	Weight	8.8	GAS	0	YP	14	BHT°	0
Slide Hours:	0.37	Percent Rotary:	89.28	Viscosity	44	SAND	0.25	PH	10.5	Flow T°	0
Below Rotary Hrs.	17.50	Percent Slide:	10.72	Chlorides	1400	WL	5.5			Oil %	0
PERSONNEL				CASING				BHA			
Lead Directional :	Nick Dean			Size	Lb/ft	Set Depth	BHA # 1:Security, MM55 5x14s, 7/8 L/B, 3.5 STG, 1.5 FBH, 0.21 Rev/Gal, NMDC, Gap Sub, Index Sub, NMDC,				
Second Directional :	Stephen Pickering			8 5/8	24	1868					
MWD Operator1	Noel Day			Signature:							
MWD Operator2											
Directional Company:	Payzone										
Geologist:											
Company Man:	Richard Mcneill										
Incl. In:	0	Azm. In:	0	Incl. Out:	33.75	Azm. Out:	305.62				

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
16-Dec-15	00:00	08:00	8.00	1883	1883	Other	Run csg & cement the 43A
16-Dec-15	08:00	09:00	1.00	1883	1883	Other	Skid to the 33A
16-Dec-15	09:00	11:30	2.50	1883	1883	N/U BOPS	N/U BOPS
16-Dec-15	11:30	15:30	4.00	1883	1883	Test BOPS	Test BOPS
16-Dec-15	15:30	16:00	0.50	1883	1883	Other	Install wear bushing
16-Dec-15	16:00	16:30	0.50	1883	1883	Change BHA	P/U BHA #1
16-Dec-15	16:30	18:21	1.85	1883	1883	TIH	TIH
16-Dec-15	18:21	19:05	0.73	1883	1883	Drilling Cement	Drill cement
16-Dec-15	19:05	19:30	0.42	1883	1946	Drilling	TIH
16-Dec-15	19:30	19:40	0.17	1946	1946	Survey & Conn.	Survey & Conn.@1891' Inc 35° Azm 308.64°
16-Dec-15	19:40	19:43	0.05	1946	1957	Sliding	TIH
16-Dec-15	19:43	20:06	0.38	1957	2032	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
16-Dec-15	20:06	20:14	0.13	2032	2032	Survey & Conn.	Survey & Conn.@1977' Inc 33.44° Azm 303.99°
16-Dec-15	20:14	20:17	0.05	2032	2047	Sliding	Sliding - (WOB:25;GPM :460;TFO:0))
16-Dec-15	20:17	20:44	0.45	2047	2117	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
16-Dec-15	20:44	20:52	0.13	2117	2117	Survey & Conn.	Survey & Conn.@2062' Inc 33.49° Azm 303.11°
16-Dec-15	20:52	21:18	0.43	2117	2203	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
16-Dec-15	21:18	21:26	0.13	2203	2203	Survey & Conn.	Survey & Conn.@2148' Inc 32.78° Azm 303.64°
16-Dec-15	21:26	21:31	0.08	2203	2223	Sliding	Sliding - (WOB:25;GPM :460;TFO:20R))
16-Dec-15	21:31	21:52	0.35	2223	2288	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
16-Dec-15	21:52	22:00	0.13	2288	2288	Survey & Conn.	Survey & Conn.@2233' Inc 33.88° Azm 303.25°
16-Dec-15	22:00	22:23	0.38	2288	2374	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
16-Dec-15	22:23	22:31	0.13	2374	2374	Survey & Conn.	Survey & Conn.@2319' Inc 32.92° Azm 302.54°
16-Dec-15	22:31	22:38	0.12	2374	2396	Sliding	Sliding - (WOB:25;GPM :460;TFO:35R))
16-Dec-15	22:38	22:59	0.35	2396	2459	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
16-Dec-15	22:59	23:06	0.12	2459	2459	Survey & Conn.	Survey & Conn.@2404' Inc 34.41° Azm 302.76°
16-Dec-15	23:06	23:10	0.07	2459	2471	Sliding	Sliding - (WOB:25;GPM :460;TFO:90R))
16-Dec-15	23:10	23:30	0.33	2471	2544	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
16-Dec-15	23:30	23:35	0.08	2544	2544	Survey & Conn.	Survey & Conn.@2489' Inc 33.75° Azm 305.62°
16-Dec-15	23:35	23:58	0.38	2544	2629	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
16-Dec-15	23:58	24:00	0.03	2629	2629	Survey & Conn.	Survey & Conn.@2574' Inc 32.09° Azm 303.82°



JOB NO.:	CO15575	Report Time:	2400	2 of 4
Company:	URSA Resources	API JOB #	05-045-22901-0000	
LOCATION:	Monument Ridge B Pad	WORK ORDER#	CO15575	
RIG NAME:	Capstar 321	FIELD:	Battlement Mesa	
STATE:	Colorado	Township:	7S	
COUNTY:	Garfield	SECTRANGE:	8	95W
WELL NAME:	MRB 33A-08-07-95			

From Thursday, December 17, 2015 at 0000 to Thursday, December 17, 2015 at 2400

DRILLING SUMMARY					Drilling Parameters									
Start Depth	2629.00	Rotary Hours	15.85	WOB	25	Pick UP	75	Slack Off	60	SPM				
End Depth	5577.00	Circulating Hours	0.93	RAB	68	SPP	1650	FlowRate	460 - 460	125				
Total Drilled:	2948.00	Avg. Total ROP:	144.04	Mud Data										
Total Rotary Drilled:	2553.00	Avg. Rotary ROP:	161.07	Type	Gel/Chem				PV	16	SOLID	5.9		
Total Drilled Sliding:	395.00	Avg. Slide ROP:	85.56	Weight	9.25	GAS	0	YP	17	BHT°	0			
Slide Hours:	4.62	Percent Rotary:	86.60	Viscosity	45	SAND	0.25	PH	9.3	Flow T°	93			
Below Rotary Hrs.	24.00	Percent Slide:	13.40	Chlorides	1500	WL	6			Oil %	0			
PERSONNEL				CASING					BHA					
Lead Directional :	Nick Dean			Size	Lb/ft		Set Depth		BHA # 1:Security, MM55 5x14s, 7/8 L/B, 3.5 STG, 1.5 FBH, 0.21 Rev/Gal, NMDC, Gap Sub, Index Sub, NMDC,					
Second Directional :	Stephen Pickering/Sam Sisneros			8 5/8	24		1868							
MWD Operator1	Noel Day			Signature:										
MWD Operator2														
Directional Company:	Payzone													
Geologist:														
Company Man:	Richard Mcneill													
Incl. In:	33.75	Azm. In:	305.62	Incl. Out:	2.64	Azm. Out:	343.41							

GENERAL COMMENT

Drilling ahead holding vertical

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
17-Dec-15	00:00	00:05	0.08	2629	2629	Survey & Conn.	Survey & Conn.@2574' Inc 32.09° Azm 303.82°
17-Dec-15	00:05	00:12	0.12	2629	2651	Sliding	Sliding - (WOB:25;GPM :460;TFO:40R))
17-Dec-15	00:12	00:30	0.30	2651	2715	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
17-Dec-15	00:30	00:36	0.10	2715	2715	Survey & Conn.	Survey & Conn.@2660' Inc 33.05° Azm 305.66°
17-Dec-15	00:36	00:59	0.38	2715	2800	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
17-Dec-15	00:59	01:06	0.12	2800	2800	Survey & Conn.	Survey & Conn.@2745' Inc 31.64° Azm 304.7°
17-Dec-15	01:06	01:15	0.15	2800	2823	Sliding	Sliding - (WOB:25;GPM :460;TFO:35R))
17-Dec-15	01:15	01:33	0.30	2823	2886	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
17-Dec-15	01:33	01:39	0.10	2886	2886	Survey & Conn.	Survey & Conn.@2831' Inc 33.14° Azm 305.82°
17-Dec-15	01:39	02:03	0.40	2886	2971	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
17-Dec-15	02:03	02:11	0.13	2971	2971	Survey & Conn.	Survey & Conn.@2916' Inc 32.34° Azm 306.37°
17-Dec-15	02:11	02:23	0.20	2971	2996	Sliding	Sliding - (WOB:25;GPM :460;TFO:20R))
17-Dec-15	02:23	02:43	0.33	2996	3057	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
17-Dec-15	02:43	02:49	0.10	3057	3057	Survey & Conn.	Survey & Conn.@3002' Inc 32.87° Azm 306.02°
17-Dec-15	02:49	03:12	0.38	3057	3142	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
17-Dec-15	03:12	03:19	0.12	3142	3142	Survey & Conn.	Survey & Conn.@3087' Inc 32.48° Azm 306.54°
17-Dec-15	03:19	03:27	0.13	3142	3167	Sliding	Sliding - (WOB:25;GPM :460;TFO:20R))

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
17-Dec-15	03:27	03:47	0.33	3167	3228	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
17-Dec-15	03:47	03:52	0.08	3228	3228	Survey & Conn.	Survey & Conn.@3173' Inc 34.15° Azm 306.02°
17-Dec-15	03:52	04:20	0.47	3228	3313	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
17-Dec-15	04:20	04:23	0.05	3313	3313	Survey & Conn.	Survey & Conn.@3258' Inc 33.66° Azm 305.27°
17-Dec-15	04:23	04:52	0.48	3313	3398	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
17-Dec-15	04:52	04:55	0.05	3398	3398	Survey & Conn.	Survey & Conn.@3343' Inc 32.7° Azm 305.8°
17-Dec-15	04:55	05:06	0.18	3398	3422	Sliding	Sliding - (WOB:25;GPM :460;TFO:20R)
17-Dec-15	05:06	05:30	0.40	3422	3484	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
17-Dec-15	05:30	05:32	0.03	3484	3484	Survey & Conn.	Survey & Conn.@3429' Inc 33.66° Azm 305.44°
17-Dec-15	05:32	05:58	0.43	3484	3569	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
17-Dec-15	05:58	06:00	0.03	3569	3569	Survey & Conn.	Survey & Conn.@3514' Inc 33.53° Azm 306.02°
17-Dec-15	06:00	06:30	0.50	3569	3654	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
17-Dec-15	06:30	06:32	0.03	3654	3654	Survey & Conn.	Survey & Conn.@3599' Inc 32.78° Azm 306.02°
17-Dec-15	06:32	06:45	0.22	3654	3679	Sliding	Sliding - (WOB:25;GPM :460;TFO:20R)
17-Dec-15	06:45	07:14	0.48	3679	3740	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
17-Dec-15	07:14	07:17	0.05	3740	3740	Survey & Conn.	Survey & Conn.@3685' Inc 33.49° Azm 306.54°
17-Dec-15	07:17	07:48	0.52	3740	3825	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
17-Dec-15	07:48	07:51	0.05	3825	3825	Survey & Conn.	Survey & Conn.@3770' Inc 32.92° Azm 305.95°
17-Dec-15	07:51	08:03	0.20	3825	3850	Sliding	Sliding - (WOB:25;GPM :460;TFO:20R)
17-Dec-15	08:03	08:31	0.47	3850	3910	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
17-Dec-15	08:31	08:34	0.05	3910	3910	Survey & Conn.	Survey & Conn.@3855' Inc 34.51° Azm 305.73°
17-Dec-15	08:34	08:58	0.40	3910	3996	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
17-Dec-15	08:58	09:01	0.05	3996	3996	Survey & Conn.	Survey & Conn.@3941' Inc 33.75° Azm 306.67°
17-Dec-15	09:01	09:27	0.43	3996	4081	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
17-Dec-15	09:27	09:33	0.10	4081	4081	Survey & Conn.	Survey & Conn.@4026' Inc 31.9° Azm 305.53°
17-Dec-15	09:33	09:43	0.17	4081	4106	Sliding	Sliding - (WOB:25;GPM :460;TFO:20R)
17-Dec-15	09:43	10:12	0.48	4106	4167	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
17-Dec-15	10:12	10:15	0.05	4167	4167	Survey & Conn.	Survey & Conn.@4112' Inc 32.7° Azm 303.78°
17-Dec-15	10:15	10:44	0.48	4167	4252	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
17-Dec-15	10:44	10:48	0.07	4252	4252	Survey & Conn.	Survey & Conn.@4197' Inc 31.25° Azm 303.99°
17-Dec-15	10:48	11:44	0.93	4252	4252	Rig Service-Inhole	Rig Service-Inhole
17-Dec-15	11:44	12:01	0.28	4252	4338	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
17-Dec-15	12:01	12:05	0.07	4338	4338	Survey & Conn.	Survey & Conn.@4283' Inc 29.09° Azm 302.54°
17-Dec-15	12:05	12:12	0.12	4338	4350	Sliding	Sliding - (WOB:25;GPM :460;TFO:20R))
17-Dec-15	12:12	12:45	0.55	4350	4423	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
17-Dec-15	12:45	12:48	0.05	4423	4423	Survey & Conn.	Survey & Conn.@4368' Inc 27.11° Azm 304.7°
17-Dec-15	12:48	12:55	0.12	4423	4435	Sliding	Sliding - (WOB:25;GPM :460;TFO:110R))
17-Dec-15	12:55	13:30	0.58	4435	4508	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
17-Dec-15	13:30	13:34	0.07	4508	4508	Survey & Conn.	Survey & Conn.@4453' Inc 26.32° Azm 308.48°
17-Dec-15	13:34	13:43	0.15	4508	4520	Sliding	Sliding - (WOB:25;GPM :460;TFO:160R)
17-Dec-15	13:43	14:15	0.53	4520	4594	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
17-Dec-15	14:15	14:19	0.07	4594	4594	Survey & Conn.	Survey & Conn.@4539' Inc 23.73° Azm 309.66°
17-Dec-15	14:19	14:23	0.07	4594	4602	Sliding	Sliding - (WOB:25;GPM :460;TFO:160R)
17-Dec-15	14:23	15:00	0.62	4602	4679	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
17-Dec-15	15:00	15:04	0.07	4679	4679	Survey & Conn.	Survey & Conn.@4624' Inc 22.28° Azm 309.75°
17-Dec-15	15:04	15:47	0.72	4679	4764	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
17-Dec-15	15:47	15:52	0.08	4764	4764	Survey & Conn.	Survey & Conn.@4709' Inc 20.87° Azm 308.43°
17-Dec-15	15:52	16:00	0.13	4764	4776	Sliding	Sliding - (WOB:25;GPM :460;TFO:160R)

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
17-Dec-15	16:00	16:30	0.50	4776	4850	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
17-Dec-15	16:30	16:35	0.08	4850	4850	Survey & Conn.	Survey & Conn.@4795' Inc 17.93° Azm 309.31°
17-Dec-15	16:35	17:10	0.58	4850	4935	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
17-Dec-15	17:10	17:15	0.08	4935	4935	Survey & Conn.	Survey & Conn.@4880' Inc 16.7° Azm 307.73°
17-Dec-15	17:15	17:45	0.50	4935	5021	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
17-Dec-15	17:45	17:50	0.08	5021	5021	Survey & Conn.	Survey & Conn.@4966' Inc 15.03° Azm 305.58°
17-Dec-15	17:50	18:00	0.17	5021	5031	Sliding	Sliding - (WOB:25;GPM :460;TFO:160R))
17-Dec-15	18:00	18:30	0.50	5031	5106	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
17-Dec-15	18:30	18:35	0.08	5106	5106	Survey & Conn.	Survey & Conn.@5051' Inc 12.92° Azm 307.16°
17-Dec-15	18:35	18:50	0.25	5106	5116	Sliding	Sliding - (WOB:25;GPM :460;TFO:160R)
17-Dec-15	18:50	19:20	0.50	5116	5192	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
17-Dec-15	19:20	19:25	0.08	5192	5192	Survey & Conn.	Survey & Conn.@5137' Inc 10.81° Azm 309.88°
17-Dec-15	19:25	19:45	0.33	5192	5212	Sliding	Sliding - (WOB:25;GPM :460;TFO:160R))
17-Dec-15	19:45	20:10	0.42	5212	5277	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
17-Dec-15	20:10	20:15	0.08	5277	5277	Survey & Conn.	Survey & Conn.@5222' Inc 9.63° Azm 317.81°
17-Dec-15	20:15	20:35	0.33	5277	5297	Sliding	Sliding - (WOB:25;GPM :460;TFO:180))
17-Dec-15	20:35	21:00	0.42	5297	5363	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
17-Dec-15	21:00	21:05	0.08	5363	5363	Survey & Conn.	Survey & Conn.@5308' Inc 7.56° Azm 323.51°
17-Dec-15	21:05	21:30	0.42	5363	5388	Sliding	Sliding - (WOB:25;GPM :460;TFO:180)
17-Dec-15	21:30	22:00	0.50	5388	5448	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
17-Dec-15	22:00	22:05	0.08	5448	5448	Survey & Conn.	Survey & Conn.@5393' Inc 5.25° Azm 329.72°
17-Dec-15	22:05	22:40	0.58	5448	5478	Sliding	Sliding - (WOB:25;GPM :460;TFO:180))
17-Dec-15	22:40	23:05	0.42	5478	5534	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
17-Dec-15	23:05	23:10	0.08	5534	5534	Survey & Conn.	Survey & Conn.@5479' Inc 2.64° Azm 343.41°
17-Dec-15	23:10	23:45	0.58	5534	5564	Sliding	Sliding - (WOB:25;GPM :460;TFO:160M))
17-Dec-15	23:45	24:00	0.25	5564	5577	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)



JOB NO.:	CO15575	Report Time:	2400	3 of 4
Company:	URSA Resources	API JOB #	05-045-22901-0000	
LOCATION:	Monument Ridge B Pad	WORK ORDER#	CO15575	
RIG NAME:	Capstar 321	FIELD:	Battlement Mesa	
STATE:	Colorado	Township:	7S	
COUNTY:	Garfield	SECTRANGE:	8	95W
WELL NAME:	MRB 33A-08-07-95			

From Friday, December 18, 2015 at 0000 to Friday, December 18, 2015 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	5577.00	Rotary Hours	14.33	WOB	25	Pick UP	75	Slack Off	60	SPM	
End Depth	7571.00	Circulating Hours	1.00	RAB	68	SPP	1650	FlowRate	460 - 460	125	
Total Drilled:	1994.00	Avg. Total ROP:	130.33	Mud Data							
Total Rotary Drilled:	1944.00	Avg. Rotary ROP:	135.63	Type	Gel/Chem			PV	16	SOLID	5.9
Total Drilled Sliding:	50.00	Avg. Slide ROP:	51.72	Weight	9.25	GAS	0	YP	17	BHT°	0
Slide Hours:	0.97	Percent Rotary:	97.49	Viscosity	45	SAND	0.25	PH	9.3	Flow T°	93
Below Rotary Hrs.	24.00	Percent Slide:	2.51	Chlorides	1500	WL	6			Oil %	0
PERSONNEL				CASING					BHA		
Lead Directional :	Nick Dean			Size	Lb/ft		Set Depth		BHA # 1:Security, MM55 5x14s, 7/8 L/B, 3.5 STG, 1.5 FBH, 0.21 Rev/Gal, NMDC, Gap Sub, Index Sub, NMDC,		
Second Directional :	Stephen Pickering/Sam Sisneros			8 5/8	24		1868				
MWD Operator1	Noel Day			Signature:							
MWD Operator2											
Directional Company:	Payzone										
Geologist:											
Company Man:	Richard Mcneill										
Incl. In:	2.64	Azm. In:	343.41	Incl. Out:	0.92	Azm. Out:	236.58				

GENERAL COMMENT

Pooh to L/D tools run casing & cement

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
18-Dec-15	00:00	00:25	0.42	5577	5619	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
18-Dec-15	00:25	00:30	0.08	5619	5619	Survey & Conn.	Survey & Conn.@5564' Inc 1.05° Azm 49.55°
18-Dec-15	00:30	01:00	0.50	5619	5704	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
18-Dec-15	01:00	01:05	0.08	5704	5704	Survey & Conn.	Survey & Conn.@5649' Inc 0.92° Azm 87.7°
18-Dec-15	01:05	01:45	0.67	5704	5790	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
18-Dec-15	01:45	01:50	0.08	5790	5790	Survey & Conn.	Survey & Conn.@5735' Inc 1.01° Azm 89.89°
18-Dec-15	01:50	02:35	0.75	5790	5875	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
18-Dec-15	02:35	02:40	0.08	5875	5875	Survey & Conn.	Survey & Conn.@5820' Inc 0.7° Azm 99.6°
18-Dec-15	02:40	03:15	0.58	5875	5960	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
18-Dec-15	03:15	03:20	0.08	5960	5960	Survey & Conn.	Survey & Conn.@5905' Inc 0.97° Azm 110.28°
18-Dec-15	03:20	04:10	0.83	5960	6046	Drilling	Drilling - (WOB:25;GPM :460;RPM:50)
18-Dec-15	04:10	04:15	0.08	6046	6046	Survey & Conn.	Survey & Conn.@5991' Inc 0.48° Azm 145.04°
18-Dec-15	04:15	04:55	0.67	6046	6131	Drilling	Drilling - (WOB:25; :460;RPM:50)
18-Dec-15	04:55	05:00	0.08	6131	6131	Survey & Conn.	Survey & Conn.@6076' Inc 0.44° Azm 132.83°
18-Dec-15	05:00	05:40	0.67	6131	6217	Drilling	Drilling - (WOB:25; :460;RPM:50)
18-Dec-15	05:40	05:45	0.08	6217	6217	Survey & Conn.	Survey & Conn.@6162' Inc 0.31° Azm 142.8°
18-Dec-15	05:45	06:29	0.73	6217	6302	Drilling	Drilling - (WOB:25; :460;RPM:50)

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
18-Dec-15	06:29	06:33	0.07	6302	6302	Survey & Conn.	Survey & Conn.@6247' Inc 0.79° Azm 162.36°
18-Dec-15	06:33	07:06	0.55	6302	6387	Drilling	Drilling - (WOB:25; :460;RPM:50)
18-Dec-15	07:06	07:10	0.07	6387	6387	Survey & Conn.	Survey & Conn.@6333' Inc 1.32° Azm 157.48°
18-Dec-15	07:10	07:45	0.58	6387	6473	Drilling	Drilling - (WOB:25; :460;RPM:50)
18-Dec-15	07:45	07:50	0.08	6473	6473	Survey & Conn.	Survey & Conn.@6418' Inc 1.63° Azm 160.51°
18-Dec-15	07:50	08:20	0.50	6473	6503	Sliding	Sliding - (WOB:25; :460;TFO:160M))
18-Dec-15	08:20	08:58	0.63	6503	6558	Drilling	Drilling - (WOB:25; :460;RPM:50)
18-Dec-15	08:58	09:01	0.05	6558	6558	Survey & Conn.	Survey & Conn.@6503' Inc 1.19° Azm 260.27°
18-Dec-15	09:01	09:28	0.45	6558	6644	Drilling	Drilling - (WOB:25; :460;RPM:50)
18-Dec-15	09:28	09:32	0.07	6644	6644	Survey & Conn.	Survey & Conn.@6589' Inc 1.54° Azm 276.75°
18-Dec-15	09:32	10:09	0.62	6644	6729	Drilling	Drilling - (WOB:25; :460;RPM:50)
18-Dec-15	10:09	10:12	0.05	6729	6729	Survey & Conn.	Survey & Conn.@6674' Inc 1.76° Azm 270.86°
18-Dec-15	10:12	10:46	0.57	6729	6815	Drilling	Drilling - (WOB:25; :460;RPM:50)
18-Dec-15	10:46	10:50	0.07	6815	6815	Survey & Conn.	Survey & Conn.@6760' Inc 1.75° Azm 242.54°
18-Dec-15	10:50	11:27	0.62	6815	6900	Drilling	Drilling - (WOB:25; :460;RPM:50)
18-Dec-15	11:27	11:30	0.05	6900	6900	Survey & Conn.	Survey & Conn.@6845' Inc 1.98° Azm 243.61°
18-Dec-15	11:30	12:00	0.50	6900	6986	Drilling	Drilling - (WOB:25; :460;RPM:50)
18-Dec-15	12:00	12:04	0.07	6986	6986	Survey & Conn.	Survey & Conn.@6931' Inc 1.93° Azm 241.37°
18-Dec-15	12:04	12:43	0.65	6986	7071	Drilling	Drilling - (WOB:25; :460;RPM:50)
18-Dec-15	12:43	12:46	0.05	7071	7071	Survey & Conn.	Survey & Conn.@7016' Inc 2.11° Azm 224.1°
18-Dec-15	12:46	13:17	0.52	7071	7156	Drilling	Drilling - (WOB:25; :460;RPM:50)
18-Dec-15	13:17	13:21	0.07	7156	7156	Survey & Conn.	Survey & Conn.@7101' Inc 2.33° Azm 216.41°
18-Dec-15	13:21	13:49	0.47	7156	7176	Sliding	Sliding - (WOB:25; :460;TFO:340M))
18-Dec-15	13:49	14:22	0.55	7176	7242	Drilling	Drilling - (WOB:25; :460;RPM:50)
18-Dec-15	14:22	14:26	0.07	7242	7242	Survey & Conn.	Survey & Conn.@7187' Inc 1.54° Azm 264.53°
18-Dec-15	14:26	14:57	0.52	7242	7327	Drilling	Drilling - (WOB:25; :460;RPM:50)
18-Dec-15	14:57	14:59	0.03	7327	7327	Survey & Conn.	Survey & Conn.@7272' Inc 1.49° Azm 278.81°
18-Dec-15	14:59	15:30	0.52	7327	7413	Drilling	Drilling - (WOB:25; :460;RPM:50)
18-Dec-15	15:30	15:35	0.08	7413	7413	Survey & Conn.	Survey & Conn.@7358' Inc 1.19° Azm 263.09°
18-Dec-15	15:35	16:15	0.67	7413	7498	Drilling	Drilling - (WOB:25; :460;RPM:50)
18-Dec-15	16:15	16:20	0.08	7498	7498	Survey & Conn.	Survey & Conn.@7443' Inc 1.1° Azm 236.78°
18-Dec-15	16:20	16:55	0.58	7498	7571	Drilling	Drilling - (WOB:25; :460;RPM:50)
18-Dec-15	16:55	17:00	0.08	7571	7571	Survey & Conn.	Survey & Conn.@7516' Inc 0.92° Azm 236.58°
18-Dec-15	17:00	18:00	1.00	7571	7571	Circulating	Circulating
18-Dec-15	18:00	24:00	6.00	7571	7571	POOH	POOH



JOB NO.:	CO15575	Report Time:	2400	4 of 4
Company:	URSA Resources	API JOB #	05-045-22901-0000	
LOCATION:	Monument Ridge B Pad	WORK ORDER#	CO15575	
RIG NAME:	Capstar 321	FIELD:	Battlement Mesa	
STATE:	Colorado	Township:	7S	
COUNTY:	Garfield	SECTRANGE:	8	95W
WELL NAME:	MRB 33A-08-07-95			

From Saturday, December 19, 2015 at 0000 to Saturday, December 19, 2015 at 2400

DRILLING SUMMARY				Drilling Parameters									
Start Depth	5577.00	Rotary Hours	14.33	WOB	25	Pick UP	75	Slack Off	60	SPM			
End Depth	7571.00	Circulating Hours	1.00	RAB	68	SPP	1650	FlowRate	460 - 460	125			
Total Drilled:	1994.00	Avg. Total ROP:	130.33	Mud Data									
Total Rotary Drilled:	1944.00	Avg. Rotary ROP:	135.63	Type	Gel/Chem			PV	16	SOLID	5.9		
Total Drilled Sliding:	50.00	Avg. Slide ROP:	51.72	Weight	9.25	GAS	0	YP	17	BHT°	0		
Slide Hours:	0.97	Percent Rotary:	97.49	Viscosity	45	SAND	0.25	PH	9.3	Flow T°	93		
Below Rotary Hrs.	24.00	Percent Slide:	2.51	Chlorides	1500	WL	6			Oil %	0		
PERSONNEL				CASING					BHA				
Lead Directional :	Nick Dean			Size	Lb/ft	Set Depth		BHA # 2					
Second Directional :	Stephen Pickering/Sam Sisneros			8 5/8	24	1868							
MWD Operator1	Noel Day												
MWD Operator2													
Directional Company:	Payzone												
Geologist:				Signature:									
Company Man:	Richard Mcneill												
Incl. In:	0.92	Azm. In:	236.58	Incl. Out:	0	Azm. Out:	0						

GENERAL COMMENT

L/D Tools

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
19-Dec-15	00:00	00:30	0.50	7571	7571	POOH	POOH
19-Dec-15	00:30	01:30	1.00	7571	7571	Change BHA	Change BHA L/D Tools
19-Dec-15	01:30	24:00	22.50	7571	7571	Other	Run Casing & Cement

BHA # 1

Mud Motor Report



JOB NO.:	CO15575	FIELD:	Battlement Mesa
Company:	URSA Resources	Township:	7S
LOCATION:	Monument Ridge B Pad	Range	95W
RIG NAME:	Capstar 321	Lead DD:	Nick Dean
STATE:	Colorado	Co. Man:	Richard Mcneill
COUNTY:	Garfield		
WELL NAME:	MRB 33A-08-07-95	Motor Failed?:	NO

Time and Depths (This BHA)	MOTOR DATA	Drilling Parameters
Date In: 16-Dec-15 @ 16:30	Desc: 1.5 FBH,7/8 L/B,3.5 Stg.,21	SO/PU: 60 - 60 / 60-75
Date Out: 19-Dec-15 @ 01:30	MFG.: Hunting	Rot Wt: 60-68
Hrs In Hole: 57.00	BHA Circ/ All BHA: 42.28 / 41.35	WOB: 10 - 25
Start Depth: 1883.00	Motor SN: 6299	TORQ: 8500 - 10000
End Depth: 7571.00	Pad OD: 6 3/4	SPP: 600 - 1650
Total Drilled: 5688.00	NB Stab: 0	Motor RPM: 97
Avg. Total ROP: 140.97	Bit to Bend: 6	Rotary RPM: 50 - 50
Circ Hrs:Tot/Only 42.28 / 1.93	Bent Hsg / Sub: 1.5 /	Flow Rate: 330 - 460
Percent Slide: 9.23	Lobe/Stage: 7/8 / 3.5	Avg Diff:
Percent Hrs: 14.75	Rev/GAL: 0.21	Stall Pres.:
Slide Hours: 5.95	Rotor Jet: 0	Off Bot Pres.:
Total Sliding: 525.00	Prop BUR:	Bit Record Security / Security, MM55 5x14s Run #: 1 Type Bit: PDC IADC#: TFA: 0.751 JETS: 5-14 Bit Drop: 320 PSI @ 460 GPM Cond.: Good
Avg. Slide ROP: 88.24	Act BUR:	
Percent Rotary: 90.77	Stator Clearance:	
Percent Hrs: 85.25	Lower Stab OD:	
Rot / Total Hrs: 34.40 / 40.35	Upper Stab OD:	
Rotary Drilled: 5163.00	Extended Motor? NO	
Avg. Rotary ROP: 150.09	Number of Stalls:	
Reason POOH: PP	Stall Duration:	

Mud Data

Type Gel/Chem	WT: 9.25	Vis: 45	WL: 6	PV: 16	Flow T °: 93
SAND: 0.25 Chlor: 1500	GAS: 0	SOL: 5.9	Oil %: 0	YP: 17	PH: 9.3 Bottom Hole T °: 0

Formation:

EXPANDED REASON PULLED:

TD well @ 7571'

BHA PERFORMANCE:

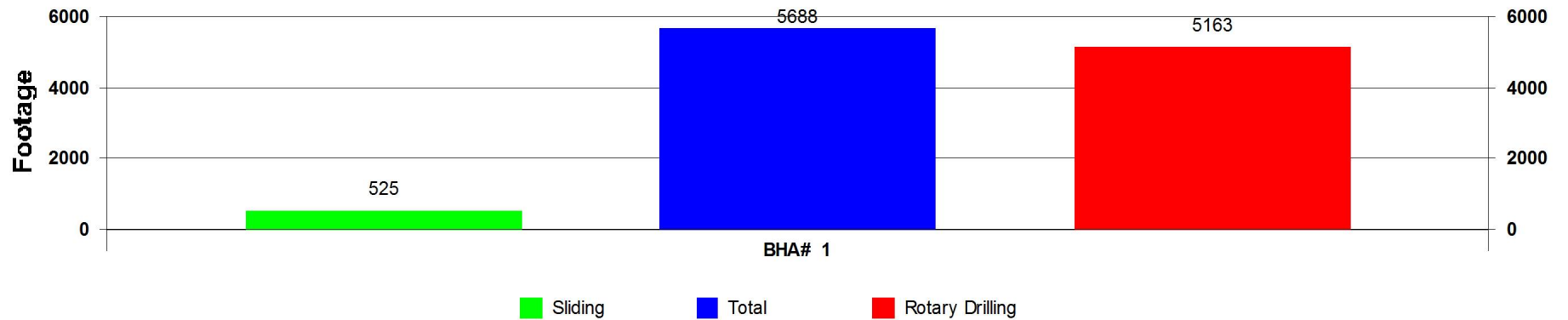
BHA preformed as expected

ADDITIONAL COMMENTS: (Expands to next page if necessary)

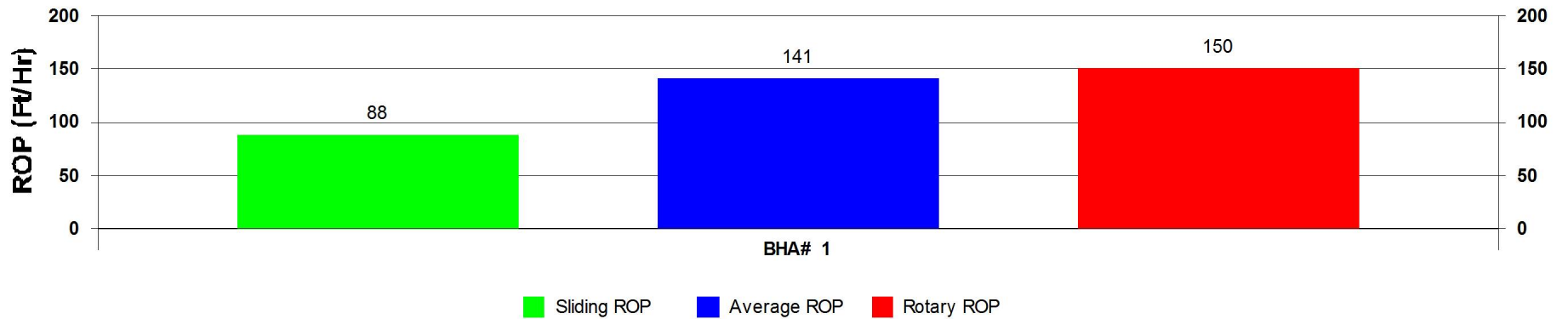


JOB NO.:	CO15575	FIELD:	Battlement Mesa	
Company:	URSA Resources	Township:	7S	
LOCATION:	Monument Ridge B Pad	SECTRANGE:	8	95W
RIG NAME:	Capstar 321	COMMENT		
STATE:	Colorado			
COUNTY:	Garfield			
WELL NAME:	MRB 33A-08-07-95			

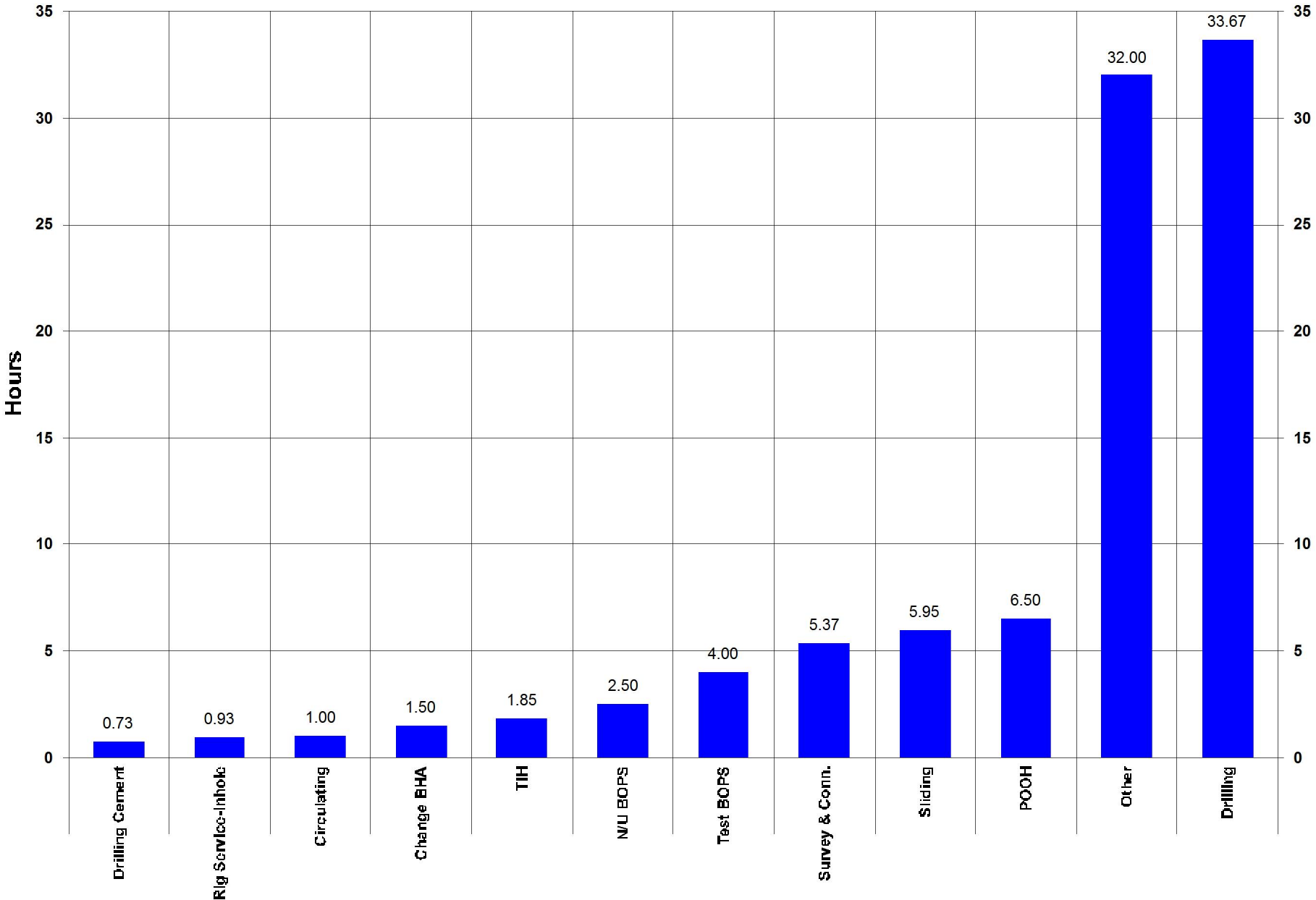
Footage Drilled with BHA



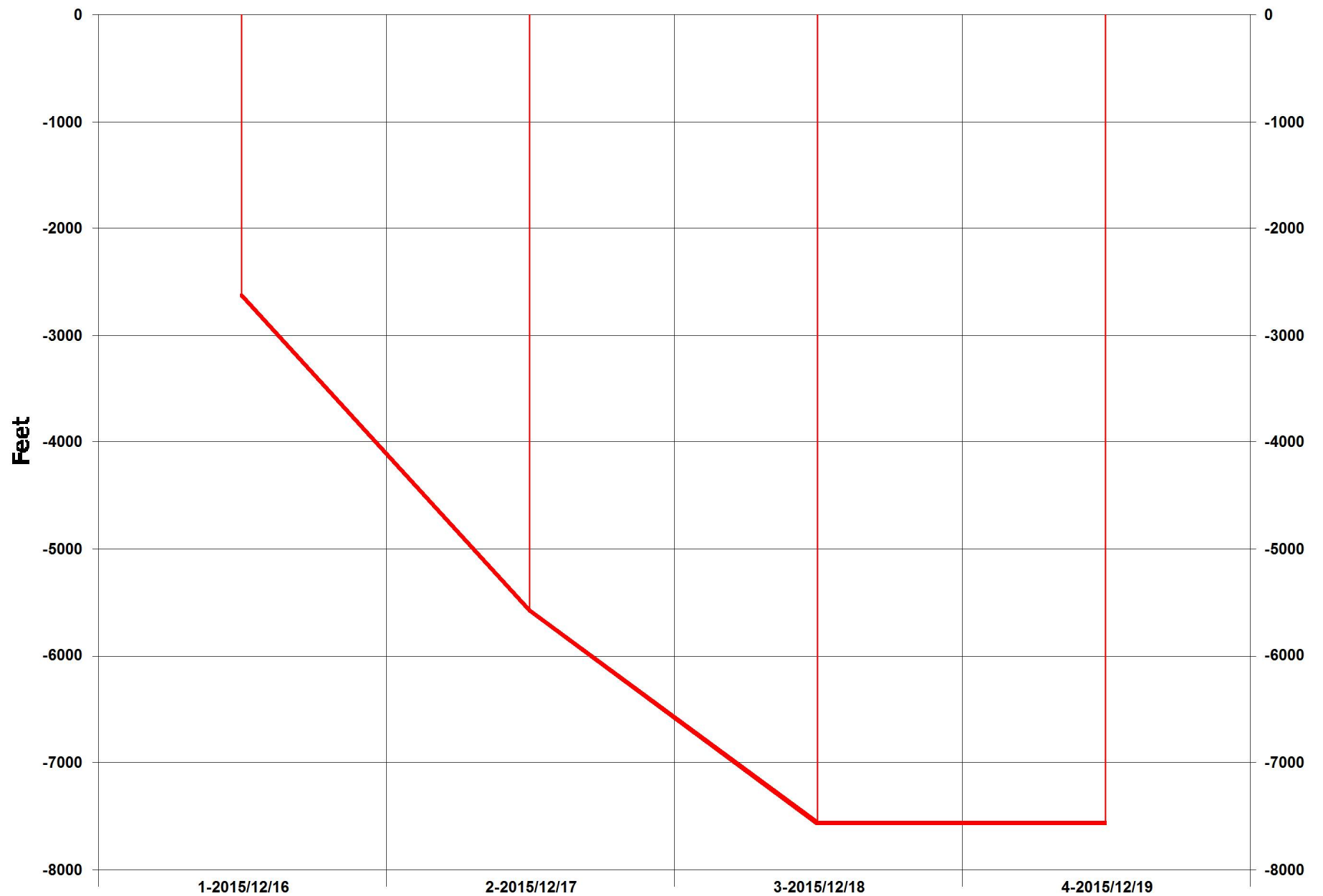
ROP vs BHA



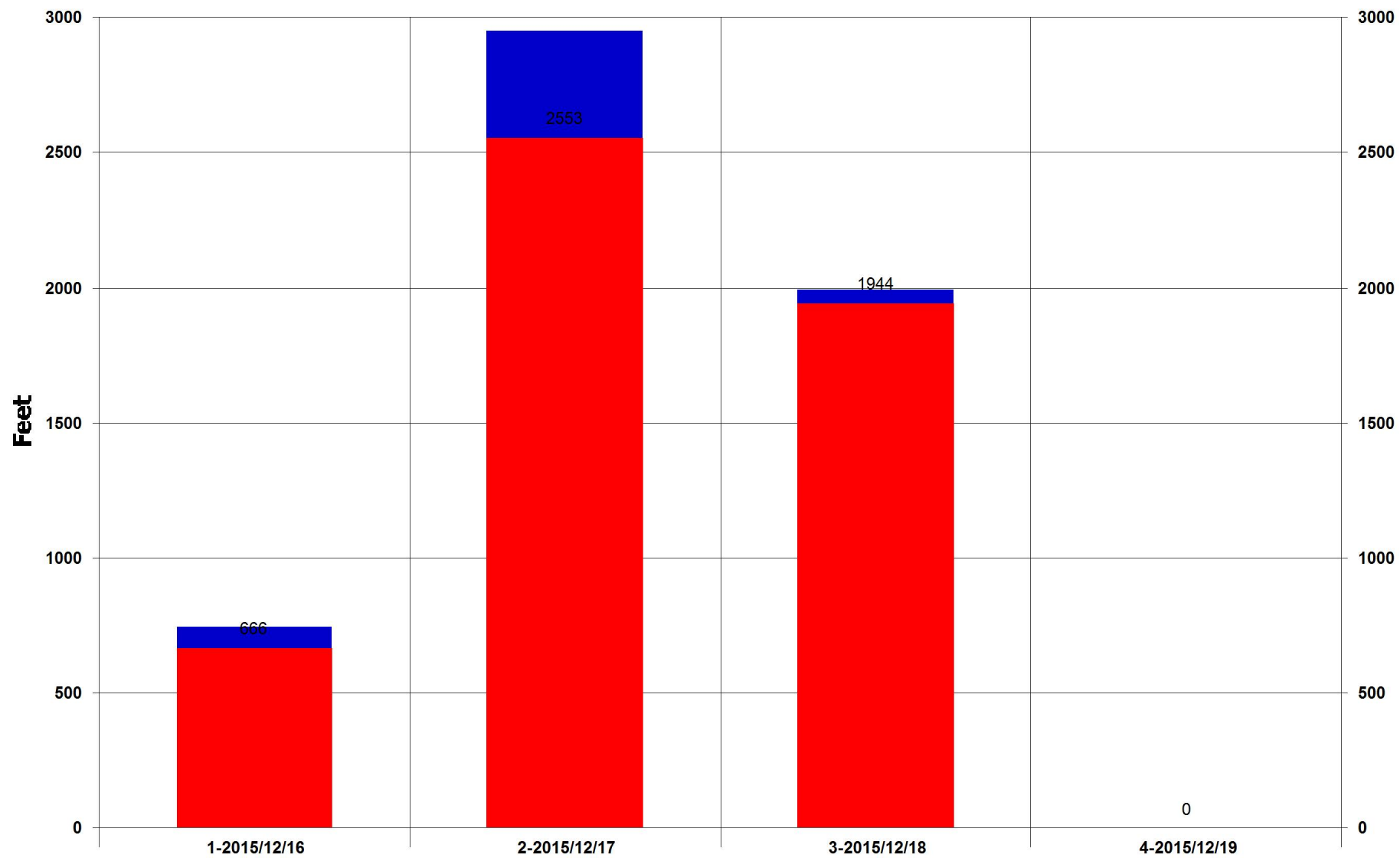
Activity Histogram



Measured Depth vs Days

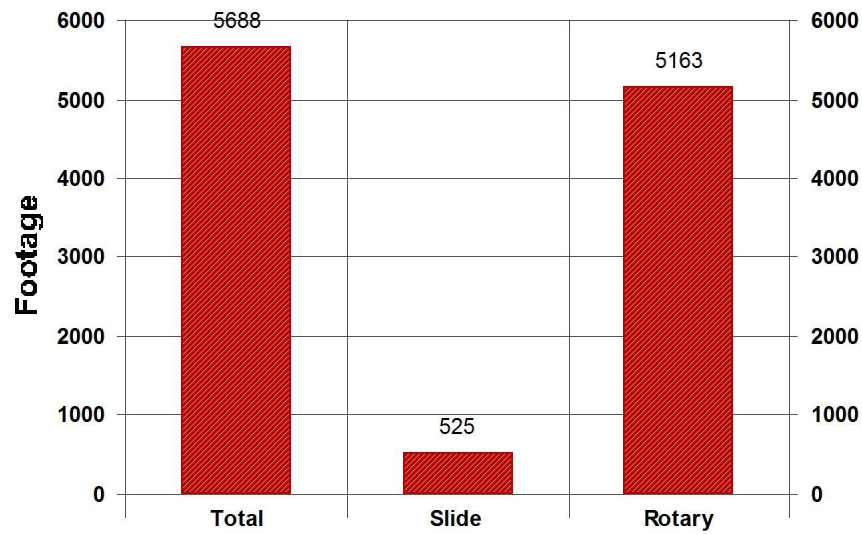


Daily Footage

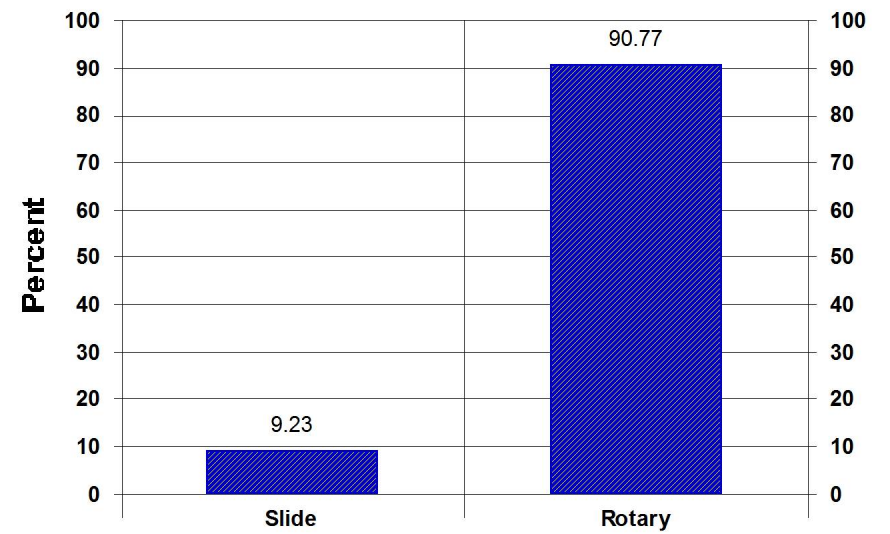


Rotary Drilling Sliding

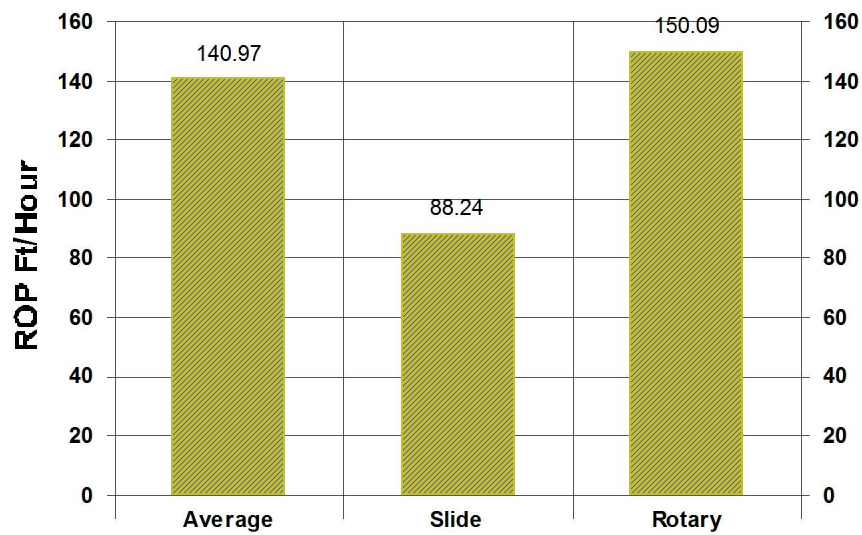
Footage Drilled Totals



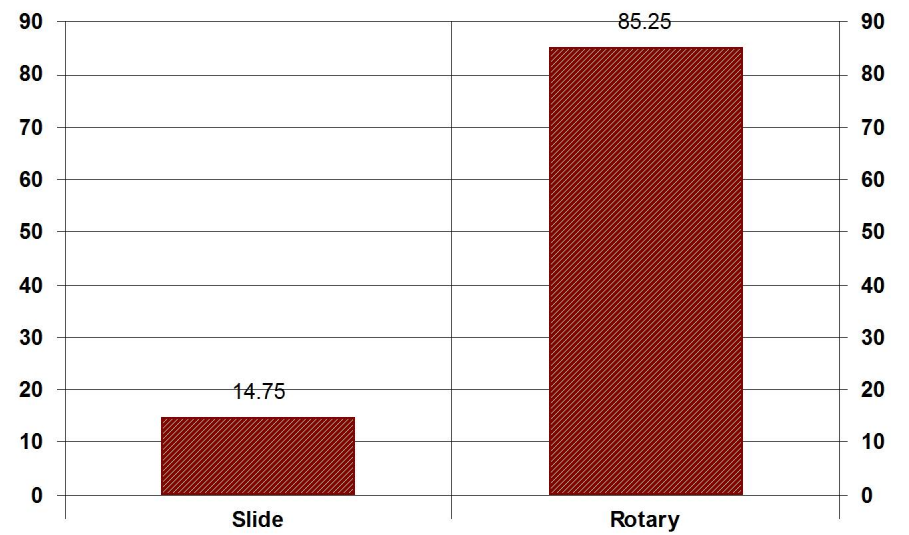
Footage Percent



Rate of Penetration Totals



Time Percent





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