



Ursa Operating Company, LLC

Rockies Region

Tompkins

Tompkins 32C-08-07-95

Wellbore #1

Design: Actual

End Of Well Report

29 August, 2016



Company:	Ursa Operating Company, LLC	Local Co-ordinate Reference:	Well Tompkins 32C-08-07-95
Project:	Rockies Region	TVD Reference:	Tompkins 32C-08-07-95 @ 5549.0usft (Capstar 321)
Site:	Tompkins	MD Reference:	Tompkins 32C-08-07-95 @ 5549.0usft (Capstar 321)
Well:	Tompkins 32C-08-07-95	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	MasterDB

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		Tompkins			
Site Position:		Northing:		1,602,267.16 usft	
From:	Lat/Long	Easting:		2,290,225.27 usft	
Position Uncertainty:		Slot Radius:		13-3/16 "	
				Latitude: 39° 27' 36.106 N	
				Longitude: 108° 0' 51.048 W	
				Grid Convergence: -1.59 °	

Well		Tompkins 32C-08-07-95, SHL LAT: 39.459962600 LONG: -108.013916400				
Well Position	+N/-S	0.0 usft	Northing:	1,602,240.75 usft	Latitude:	39° 27' 35.865 N
	+E/-W	0.0 usft	Easting:	2,290,298.96 usft	Longitude:	108° 0' 50.099 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	5,549.0 usft	Ground Level:	5,532.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	6/8/2016	9.81	65.57	51,625

Design		Actual			
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	211.77

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Survey Program		Date	8/29/2016		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
107.0	1,853.0	Surface (Wellbore #1)	MWD	MWD - Standard	
1,915.0	7,640.0	Production (Wellbore #1)	MWD	MWD - Standard	

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
107.0	0.83	355.88	107.0	-0.6	0.8	-0.1	0.78	0.78	0.00
136.0	1.01	339.53	136.0	-1.0	1.2	-0.2	1.09	0.62	-56.38
165.0	0.66	284.42	165.0	-1.1	1.5	-0.4	2.87	-1.21	-190.03
195.0	0.70	249.05	195.0	-0.9	1.5	-0.7	1.38	0.13	-117.90
226.0	0.79	246.63	226.0	-0.5	1.3	-1.1	0.31	0.29	-7.81
256.0	1.19	237.10	256.0	-0.1	1.1	-1.6	1.44	1.33	-31.77
287.0	1.54	218.33	287.0	0.6	0.6	-2.1	1.82	1.13	-60.55
318.0	1.58	216.57	318.0	1.5	-0.1	-2.6	0.20	0.13	-5.68
348.0	1.80	222.73	347.9	2.3	-0.8	-3.2	0.95	0.73	20.53
378.0	1.85	209.98	377.9	3.3	-1.5	-3.7	1.36	0.17	-42.50
409.0	1.98	202.82	408.9	4.3	-2.5	-4.2	0.88	0.42	-23.10
439.0	2.81	210.57	438.9	5.6	-3.6	-4.8	2.96	2.77	25.83
470.0	3.16	205.41	469.8	7.2	-5.0	-5.5	1.42	1.13	-16.65
500.0	3.74	196.53	499.8	8.9	-6.7	-6.2	2.62	1.93	-29.60
531.0	4.35	193.72	530.7	11.0	-8.8	-6.7	2.07	1.97	-9.06
561.0	5.41	196.89	560.6	13.5	-11.3	-7.4	3.64	3.53	10.57
592.0	6.55	202.95	591.4	16.6	-14.3	-8.5	4.20	3.68	19.55
622.0	7.47	202.74	621.2	20.2	-17.7	-9.9	3.07	3.07	-0.70
652.0	8.54	204.21	650.9	24.4	-21.5	-11.6	3.63	3.57	4.90
683.0	9.91	204.29	681.5	29.3	-26.0	-13.7	4.42	4.42	0.26

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714.0	10.68	205.98	712.0	34.8	-31.0	-16.0	2.67	2.48	5.45	
745.0	12.08	206.29	742.4	40.9	-36.5	-18.7	4.52	4.52	1.00	
775.0	12.96	209.28	771.7	47.4	-42.3	-21.7	3.64	2.93	9.97	
806.0	13.89	212.09	801.8	54.6	-48.5	-25.4	3.66	3.00	9.06	
836.0	14.72	211.43	830.9	62.0	-54.8	-29.3	2.82	2.77	-2.20	
879.0	16.44	210.60	872.3	73.5	-64.7	-35.3	4.03	4.00	-1.93	
922.0	17.93	208.88	913.4	86.2	-75.7	-41.6	3.66	3.47	-4.00	
965.0	19.95	209.85	954.1	100.2	-87.9	-48.4	4.75	4.70	2.26	
1,008.0	21.93	212.13	994.2	115.5	-101.0	-56.3	4.98	4.60	5.30	
1,050.0	23.08	211.81	1,033.0	131.6	-114.7	-64.8	2.75	2.74	-0.76	
1,093.0	24.39	214.42	1,072.4	148.9	-129.1	-74.3	3.90	3.05	6.07	
1,136.0	25.84	213.58	1,111.3	167.2	-144.3	-84.5	3.47	3.37	-1.95	
1,178.0	27.08	213.42	1,148.9	185.9	-159.9	-94.8	2.96	2.95	-0.38	
1,221.0	27.99	213.23	1,187.1	205.7	-176.5	-105.8	2.13	2.12	-0.44	
1,264.0	29.88	215.12	1,224.7	226.5	-193.7	-117.4	4.88	4.40	4.40	
1,307.0	31.64	214.95	1,261.7	248.5	-211.7	-130.1	4.10	4.09	-0.40	
1,349.0	32.74	213.80	1,297.2	270.8	-230.2	-142.7	3.00	2.62	-2.74	
1,392.0	34.19	215.21	1,333.1	294.5	-249.7	-156.1	3.83	3.37	3.28	
1,435.0	35.29	213.94	1,368.4	319.0	-269.9	-170.0	3.06	2.56	-2.95	
1,477.0	36.52	213.45	1,402.4	343.6	-290.4	-183.7	3.01	2.93	-1.17	
1,520.0	37.27	212.66	1,436.8	369.4	-312.0	-197.8	2.06	1.74	-1.84	
1,563.0	38.01	213.58	1,470.9	395.6	-334.0	-212.1	2.16	1.72	2.14	
1,605.0	38.01	212.40	1,504.0	421.5	-355.7	-226.2	1.73	0.00	-2.81	
1,648.0	37.75	211.48	1,537.9	447.9	-378.1	-240.2	1.45	-0.60	-2.14	
1,691.0	37.86	211.01	1,571.9	474.3	-400.6	-253.8	0.72	0.26	-1.09	
1,733.0	38.24	209.50	1,604.9	500.1	-423.0	-266.9	2.39	0.90	-3.60	
1,776.0	39.20	209.10	1,638.5	527.0	-446.5	-280.1	2.31	2.23	-0.93	

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1,810.0	39.16	208.84		1,664.8	548.5	-465.2	-290.5	0.50	-0.12	-0.76
Last PZD Surface Survey										
1,853.0	39.16	208.84		1,698.2	575.6	-489.0	-303.6	0.00	0.00	0.00
Casing Set Depth										
1,915.0	38.57	208.18		1,746.5	614.4	-523.2	-322.1	1.16	-0.95	-1.06
2,000.0	39.58	209.82		1,812.4	667.9	-570.1	-348.1	1.70	1.19	1.93
2,086.0	39.33	209.37		1,878.9	722.5	-617.6	-375.1	0.44	-0.29	-0.52
2,171.0	39.42	210.46		1,944.6	776.4	-664.3	-402.0	0.82	0.11	1.28
2,256.0	38.90	210.74		2,010.5	830.1	-710.5	-429.3	0.65	-0.61	0.33
2,342.0	39.70	210.85		2,077.0	884.6	-757.3	-457.2	0.93	0.93	0.13
2,427.0	40.32	211.98		2,142.1	939.2	-803.9	-485.7	1.12	0.73	1.33
2,513.0	40.34	212.65		2,207.7	994.9	-851.0	-515.4	0.50	0.02	0.78
2,598.0	41.62	212.79		2,271.9	1,050.6	-897.9	-545.6	1.51	1.51	0.16
2,684.0	40.87	212.18		2,336.5	1,107.3	-945.7	-576.0	0.99	-0.87	-0.71
2,769.0	39.68	211.04		2,401.4	1,162.2	-992.5	-604.8	1.65	-1.40	-1.34
2,854.0	40.17	211.30		2,466.5	1,216.8	-1,039.2	-633.1	0.61	0.58	0.31
2,940.0	40.41	211.19		2,532.1	1,272.4	-1,086.7	-661.9	0.29	0.28	-0.13
3,025.0	40.35	211.64		2,596.9	1,327.5	-1,133.7	-690.6	0.35	-0.07	0.53
3,111.0	40.25	211.34		2,662.5	1,383.1	-1,181.1	-719.7	0.25	-0.12	-0.35
3,196.0	40.52	211.53		2,727.2	1,438.2	-1,228.1	-748.4	0.35	0.32	0.22
3,281.0	40.87	211.87		2,791.7	1,493.6	-1,275.3	-777.5	0.49	0.41	0.40
3,367.0	39.77	210.86		2,857.2	1,549.2	-1,322.8	-806.5	1.49	-1.28	-1.17
3,452.0	40.12	211.52		2,922.4	1,603.8	-1,369.5	-834.7	0.65	0.41	0.78
3,538.0	40.17	211.83		2,988.2	1,659.2	-1,416.7	-863.9	0.24	0.06	0.36
3,623.0	39.11	210.86		3,053.6	1,713.5	-1,463.0	-892.1	1.44	-1.25	-1.14
3,708.0	39.33	211.56		3,119.5	1,767.2	-1,508.9	-919.9	0.58	0.26	0.82
3,794.0	39.11	211.39		3,186.1	1,821.6	-1,555.3	-948.3	0.28	-0.26	-0.20

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3,879.0	39.16	211.43	3,252.0	1,875.2	-1,601.1	-976.3	0.07	0.06	0.05	
3,965.0	38.85	212.53	3,318.9	1,929.4	-1,647.0	-1,004.9	0.88	-0.36	1.28	
4,050.0	39.11	212.18	3,384.9	1,982.8	-1,692.2	-1,033.5	0.40	0.31	-0.41	
4,135.0	39.68	212.97	3,450.6	2,036.8	-1,737.6	-1,062.6	0.89	0.67	0.93	
4,221.0	38.14	211.87	3,517.5	2,090.8	-1,783.2	-1,091.6	1.96	-1.79	-1.28	
4,306.0	36.56	212.05	3,585.1	2,142.3	-1,827.0	-1,118.9	1.86	-1.86	0.21	
4,392.0	36.56	211.61	3,654.2	2,193.6	-1,870.5	-1,145.9	0.30	0.00	-0.51	
4,477.0	36.61	210.81	3,722.4	2,244.2	-1,913.8	-1,172.1	0.56	0.06	-0.94	
4,563.0	33.93	210.55	3,792.6	2,293.9	-1,956.5	-1,197.5	3.12	-3.12	-0.30	
4,648.0	32.30	211.21	3,863.8	2,340.3	-1,996.4	-1,221.3	1.96	-1.92	0.78	
4,733.0	29.71	213.14	3,936.7	2,384.1	-2,033.5	-1,244.6	3.26	-3.05	2.27	
4,819.0	25.84	213.28	4,012.8	2,424.1	-2,067.0	-1,266.5	4.50	-4.50	0.16	
4,904.0	23.42	214.46	4,090.0	2,459.5	-2,096.4	-1,286.2	2.91	-2.85	1.39	
4,989.0	22.10	215.08	4,168.4	2,492.4	-2,123.4	-1,305.0	1.58	-1.55	0.73	
5,075.0	18.90	214.16	4,248.9	2,522.4	-2,148.2	-1,322.1	3.74	-3.72	-1.07	
5,160.0	17.70	211.39	4,329.6	2,549.1	-2,170.6	-1,336.6	1.74	-1.41	-3.26	
5,246.0	14.15	209.23	4,412.3	2,572.7	-2,191.0	-1,348.5	4.18	-4.13	-2.51	
5,331.0	12.52	211.61	4,495.0	2,592.3	-2,207.9	-1,358.4	2.02	-1.92	2.80	
5,416.0	10.50	213.23	4,578.3	2,609.2	-2,222.2	-1,367.5	2.41	-2.38	1.91	
5,502.0	8.35	212.00	4,663.2	2,623.3	-2,234.1	-1,375.1	2.51	-2.50	-1.43	
5,587.0	6.66	213.24	4,747.4	2,634.4	-2,243.4	-1,381.1	2.00	-1.99	1.46	
5,673.0	4.43	220.60	4,833.0	2,642.7	-2,250.1	-1,386.0	2.72	-2.59	8.56	
5,758.0	2.42	229.58	4,917.9	2,647.6	-2,253.8	-1,389.5	2.44	-2.36	10.56	
5,843.0	2.15	229.23	5,002.8	2,650.9	-2,256.0	-1,392.0	0.32	-0.32	-0.41	
5,929.0	1.89	229.67	5,088.7	2,653.8	-2,257.9	-1,394.4	0.30	-0.30	0.51	
6,014.0	1.58	237.89	5,173.7	2,656.2	-2,259.5	-1,396.4	0.47	-0.36	9.67	
6,099.0	1.45	236.83	5,258.7	2,658.2	-2,260.7	-1,398.3	0.16	-0.15	-1.25	

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6,184.0	1.23	233.24	5,343.7	2,660.0	-2,261.8	-1,399.9	0.28	-0.26	-4.22	
6,270.0	0.62	232.05	5,429.6	2,661.3	-2,262.6	-1,401.0	0.71	-0.71	-1.38	
6,355.0	0.40	215.24	5,514.6	2,662.0	-2,263.2	-1,401.6	0.31	-0.26	-19.78	
6,440.0	0.53	214.38	5,599.6	2,662.7	-2,263.7	-1,402.0	0.15	0.15	-1.01	
6,526.0	0.35	199.39	5,685.6	2,663.4	-2,264.3	-1,402.3	0.25	-0.21	-17.43	
6,611.0	0.66	331.97	5,770.6	2,663.4	-2,264.1	-1,402.6	1.10	0.36	155.98	
6,696.0	1.05	326.48	5,855.6	2,662.8	-2,263.0	-1,403.3	0.47	0.46	-6.46	
6,781.0	0.98	330.58	5,940.6	2,662.1	-2,261.8	-1,404.0	0.12	-0.08	4.82	
6,867.0	0.75	311.19	6,026.6	2,661.7	-2,260.8	-1,404.8	0.43	-0.27	-22.55	
6,952.0	0.75	311.58	6,111.6	2,661.5	-2,260.0	-1,405.7	0.01	0.00	0.46	
7,038.0	1.27	293.04	6,197.6	2,661.5	-2,259.3	-1,407.0	0.71	0.60	-21.56	
7,123.0	1.49	283.33	6,282.6	2,662.0	-2,258.6	-1,408.9	0.38	0.26	-11.42	
7,208.0	1.89	276.38	6,367.5	2,663.0	-2,258.2	-1,411.4	0.53	0.47	-8.18	
7,294.0	1.42	322.46	6,453.5	2,663.2	-2,257.2	-1,413.4	1.59	-0.55	53.58	
7,379.0	1.85	306.40	6,538.4	2,662.7	-2,255.6	-1,415.2	0.73	0.51	-18.89	
7,465.0	2.29	295.15	6,624.4	2,662.8	-2,254.0	-1,417.9	0.69	0.51	-13.08	
7,550.0	1.98	295.50	6,709.3	2,663.2	-2,252.7	-1,420.7	0.37	-0.36	0.41	
7,585.0	1.80	296.03	6,744.3	2,663.3	-2,252.2	-1,421.8	0.52	-0.51	1.51	
Last PZD Survey										
7,640.0	1.80	296.03	6,799.3	2,663.5	-2,251.4	-1,423.3	0.00	0.00	0.00	
Straight Line Projection to TD										

Company:	Ursa Operating Company, LLC	Local Co-ordinate Reference:	Well Tompkins 32C-08-07-95
Project:	Rockies Region	TVD Reference:	Tompkins 32C-08-07-95 @ 5549.0usft (Capstar 321)
Site:	Tompkins	MD Reference:	Tompkins 32C-08-07-95 @ 5549.0usft (Capstar 321)
Well:	Tompkins 32C-08-07-95	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	MasterDB

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,810.0	1,664.8	-465.2	-290.5	Last PZD Surface Survey
1,853.0	1,698.2	-489.0	-303.6	Casing Set Depth
7,585.0	6,744.3	-2,252.2	-1,421.8	Last PZD Survey
7,640.0	6,799.3	-2,251.4	-1,423.3	Straight Line Projection to TD

Checked By: _____	Approved By: _____	Date: _____
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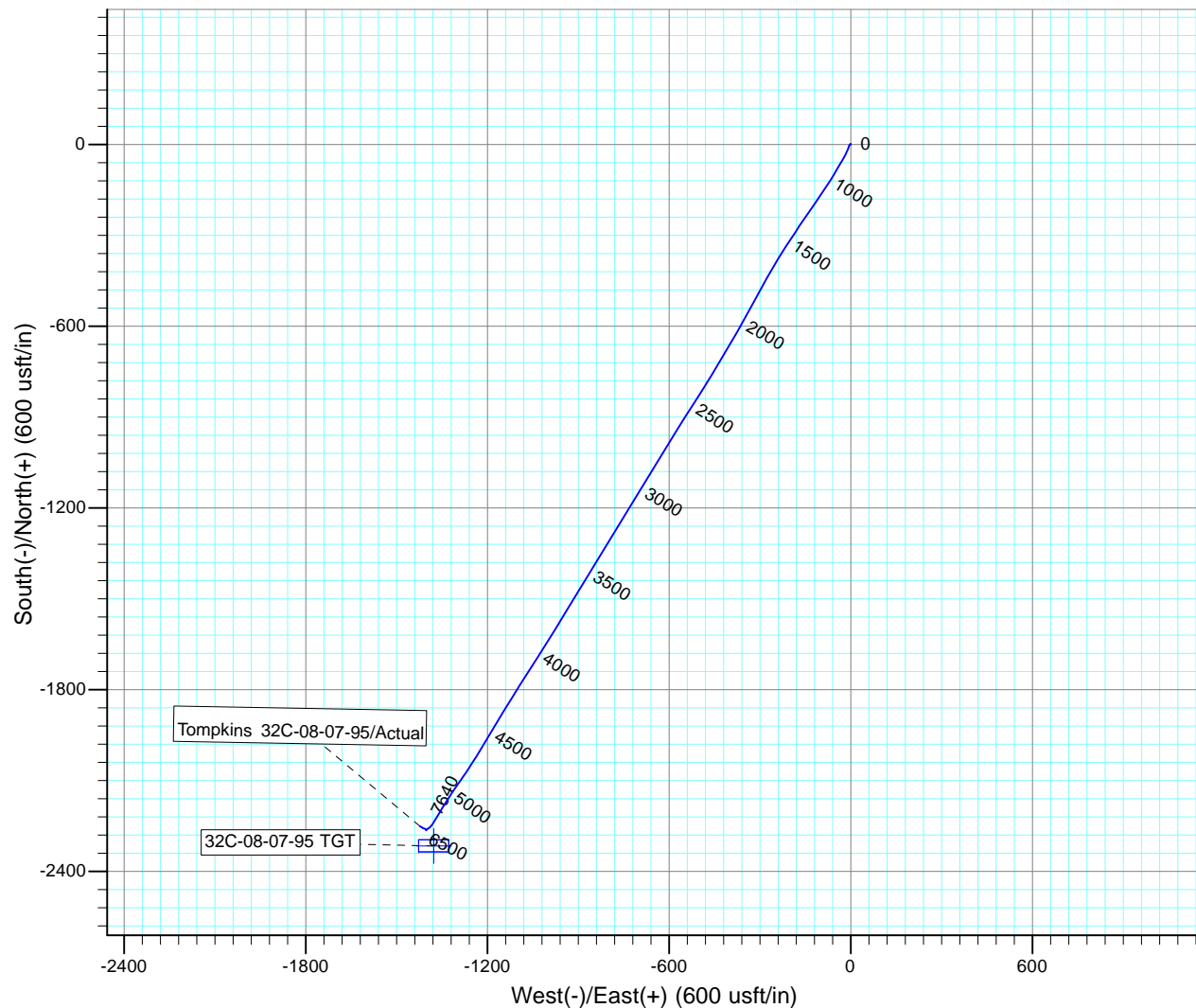
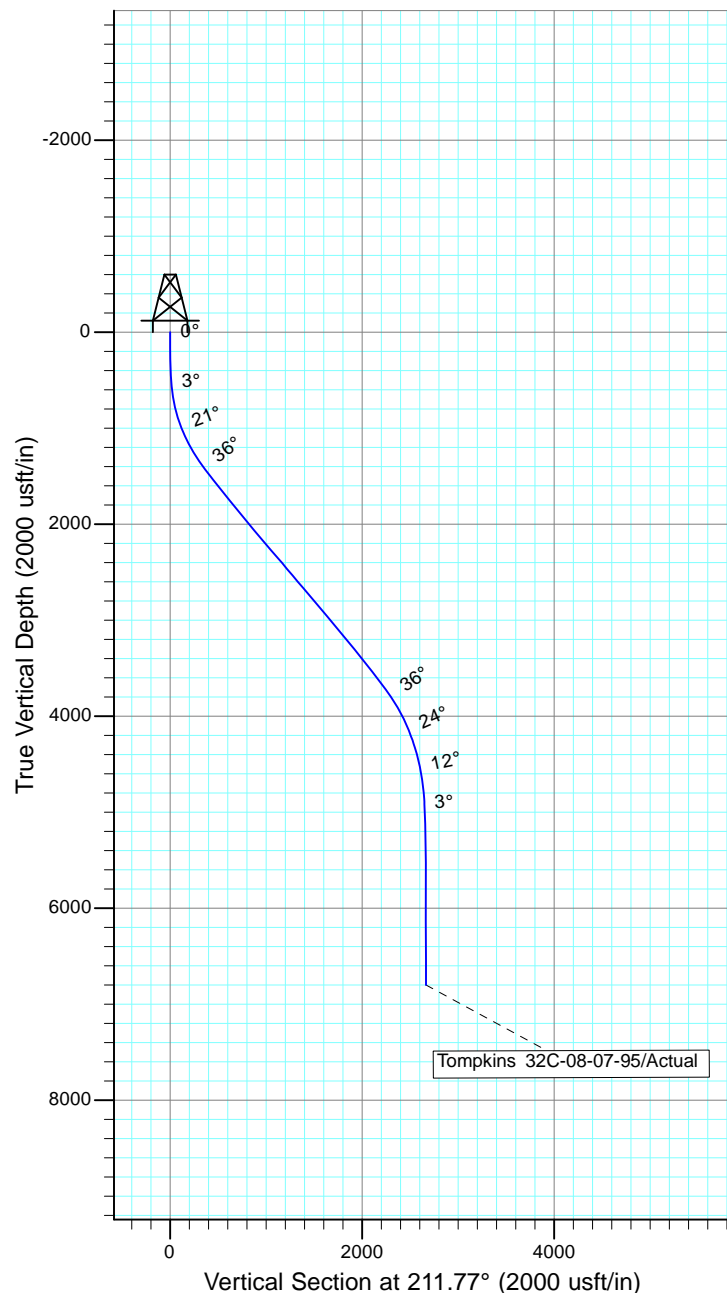
Project: Rockies Region
Site: Tompkins
Well: Tompkins 32C-08-07-95
Wellbore: Wellbore #1
SURVEY: Actual

FINAL SURVEY REPORT



Azimuths to True North
Magnetic North: 9.81°

Magnetic Field
Strength: 51624.6snT
Dip Angle: 65.57°
Date: 6/8/2016
Model: IGRF2015



Design: Actual (Tompkins 32C-08-07-95/Wellbore #1)

Created By: Sarah Webb-Hudson Date: 22:07, August 29 2016
THIS SURVEY IS CORRECT TO THE BEST OF MY KNOWLEDGE AND IS
SUPPORTED BY ACTUAL FIELD DATA.

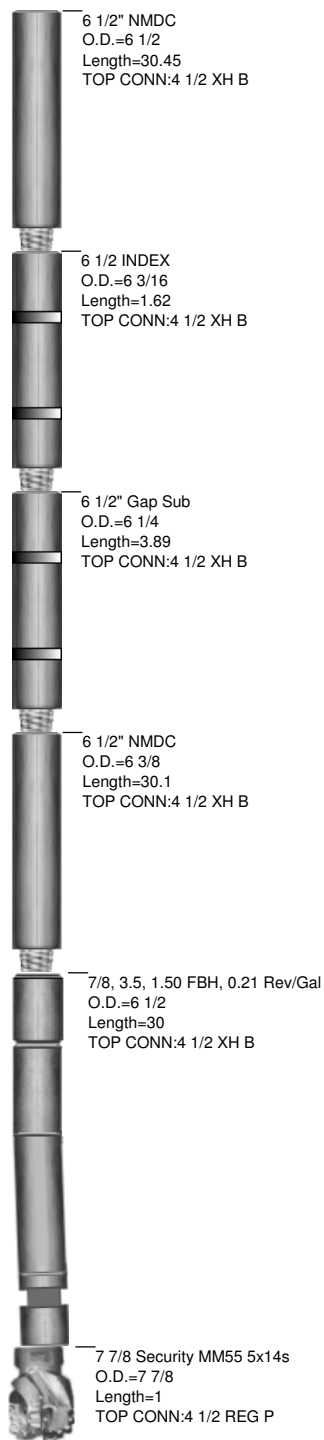


Well Information

BHA #**1**

JOB NO.:	CO16549	FIELD:	Battlement Mesa
Company:	URSA Resources	Township:	7S
LOCATION:	Tompkins Pad	SECT/RANGE:	8
RIG NAME:	Capstar 321		95W
STATE:	Colorado		
COUNTY:	Garfield	BHA TYPE	Steerable Assembly
WELL NAME:	Tompkins 32C-08-07-95		

***Hold 39.23 INC through tangent drop
back to vertical hold to TD***





JOB NO.: CO16549
Company: URSA Resources
LOCATION: Tompkins Pad
RIG NAME: Capstar 321
STATE: Colorado
COUNTY: Country
WELL NAME: Tompkins 32C-08-07-95

FIELD: Battlement Mesa
Township: 7S
Range 95W

MOTOR INFORMATION

Desc: 7/8,3.5 STG, 1.5 FBH, 0.21 Rev/Gal
Bent Hsg/Sub: 1.5 / 1.5 **Bit to Bend:** 6.2
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	25-Aug	Drilling	14:10	14:50	0.67	1870	1870	0	25	0.0	45	5000	460	1200		38.82	208.46	0.69	
1	25-Aug	Drilling	14:50	15:40	0.83	1870	1970	100	25	120.0	45	5000	460	1200		39.22	209.25	1.70	
1	25-Aug	Sliding	15:45	15:55	0.17	1970	1985	15	25	90.0	0	5000	460	1200	45R	39.40	209.54	1.70	
1	25-Aug	Drilling	15:55	16:15	0.33	1985	2055	70	25	210.0	45	5000	460	1200		39.42	209.53	0.44	
1	25-Aug	Sliding	16:20	16:25	0.08	2055	2065	10	25	120.0	0	5700	460	1300	45R	39.39	209.48	0.44	
1	25-Aug	Drilling	16:25	16:45	0.33	2065	2141	76	25	228.0	45	5700	460	1300		39.39	210.08	0.82	
1	25-Aug	Sliding	16:50	16:55	0.08	2141	2156	15	28	180.0	0	5700	460	1300	60R	39.40	210.27	0.82	
1	25-Aug	Drilling	16:55	17:16	0.35	2156	2226	70	25	200.0	45	5700	460	1300		39.08	210.64	0.65	
1	25-Aug	Sliding	17:19	17:25	0.10	2226	2241	15	28	150.0	0	5700	460	1300	40R	38.99	210.69	0.65	
1	25-Aug	Drilling	17:25	17:45	0.33	2241	2311	70	25	210.0	45	5700	460	1300		39.41	210.81	0.93	
1	25-Aug	Sliding	17:49	17:55	0.10	2311	2327	16	28	160.0	0	5700	460	1300	30R	39.56	210.83	0.93	
1	25-Aug	Drilling	17:55	18:13	0.30	2327	2397	70	25	233.3	45	5700	460	1300		40.10	211.58	1.12	
1	25-Aug	Sliding	18:18	18:26	0.13	2397	2413	16	28	120.0	0	5700	460	1300	30R	40.22	211.80	1.12	
1	25-Aug	Drilling	18:26	18:45	0.32	2413	2482	69	25	217.9	45	5700	460	1300		40.33	212.41	0.50	
1	25-Aug	Sliding	18:49	18:55	0.10	2482	2496	14	28	140.0	0	5700	460	1300	30R	40.34	212.52	0.50	
1	25-Aug	Drilling	18:55	19:11	0.27	2496	2568	72	25	270.0	45	5700	460	1300		41.17	212.74	1.51	
1	25-Aug	Sliding	19:15	19:22	0.12	2568	2582	14	28	120.0	0	5700	460	1300	30R	41.38	212.76	1.51	
1	25-Aug	Drilling	19:22	19:41	0.32	2582	2653	71	25	224.2	45	5700	460	1300		41.14	212.40	0.99	
1	25-Aug	Drilling	19:45	20:08	0.38	2653	2739	86	25	224.3	45	5700	460	1300		40.10	211.45	1.65	
1	25-Aug	Drilling	20:12	20:37	0.42	2739	2824	85	25	204.0	45	5700	460	1300		40.00	211.21	0.61	
1	25-Aug	Sliding	20:41	20:48	0.12	2824	2838	14	28	120.0	0	5700	460	1300	30R	40.08	211.25	0.61	
1	25-Aug	Drilling	20:48	21:08	0.33	2838	2909	71	25	213.0	45	5700	460	1300		40.32	211.23	0.29	
1	25-Aug	Sliding	21:13	21:18	0.08	2909	2917	8	28	96.0	0	5700	460	1300	30R	40.35	211.22	0.29	
1	25-Aug	Drilling	21:18	21:40	0.37	2917	2995	78	25	212.7	45	5700	460	1300		40.37	211.48	0.35	
1	25-Aug	Sliding	21:45	21:49	0.07	2995	3002	7	28	105.0	0	5700	460	1300	30R	40.37	211.52	0.35	
1	25-Aug	Drilling	21:49	22:09	0.33	3002	3080	78	25	234.0	45	5700	460	1300		40.29	211.45	0.25	

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	25-Aug	Sliding	22:14	22:18	0.07	3080	3089	9	28	135.0	0	5700	460	1300	30R	40.28	211.42	0.25	
1	25-Aug	Drilling	22:18	22:40	0.37	3089	3166	77	25	210.0	45	5700	460	1300		40.42	211.46	0.35	
1	25-Aug	Sliding	22:44	22:50	0.10	3166	3176	10	28	100.0	0	5700	460	1300	30R	40.46	211.49	0.35	
1	25-Aug	Drilling	22:50	23:11	0.35	3176	3251	75	25	214.3	45	5700	460	1300		40.75	211.75	0.49	
1	25-Aug	Sliding	23:16	23:23	0.12	3251	3261	10	28	85.7	0	5700	460	1300	30R	40.79	211.79	0.49	
1	25-Aug	Drilling	23:23	23:45	0.37	3261	3336	75	25	204.5	45	5700	460	1300		40.17	211.23	1.49	
1	25-Aug	Drilling	23:49	24:00	0.18	3336	3379	43	25	234.5	45	9400	460	1850		39.82	210.95	0.65	
1	26-Aug	Drilling	00:00	00:15	0.25	3379	3422	43	25	172.0	45	9400	460	1850		40.00	211.29	0.65	
1	26-Aug	Sliding	00:19	00:25	0.10	3422	3432	10	28	100.0	0	9400	460	1850	40R	40.04	211.37	0.65	
1	26-Aug	Drilling	00:25	00:48	0.38	3432	3507	75	25	195.7	45	9400	460	1850		40.15	211.72	0.24	
1	26-Aug	Sliding	00:53	00:58	0.08	3507	3515	8	28	96.0	0	9400	460	1850	70R	40.16	211.75	0.24	
1	26-Aug	Drilling	00:58	01:21	0.38	3515	3593	78	25	203.5	45	9400	460	1850		39.48	211.21	1.44	
1	26-Aug	Drilling	01:25	01:55	0.50	3593	3678	85	25	170.0	45	9400	460	1850		39.25	211.31	0.58	
1	26-Aug	Sliding	02:00	02:08	0.13	3678	3688	10	28	75.0	0	9400	460	1850	60R	39.28	211.40	0.58	
1	26-Aug	Drilling	02:08	02:32	0.40	3688	3763	75	25	187.5	45	9400	460	1850		39.19	211.45	0.28	
1	26-Aug	Sliding	02:36	02:41	0.08	3763	3771	8	28	96.0	0	9400	460	1850	60R	39.17	211.44	0.28	
1	26-Aug	Drilling	02:41	03:10	0.48	3771	3849	78	25	161.4	45	9400	460	1850		39.14	211.42	0.07	
1	26-Aug	Sliding	03:14	03:20	0.10	3849	3859	10	28	100.0	0	9400	460	1850	60R	39.15	211.42	0.07	
1	26-Aug	Drilling	03:20	03:52	0.53	3859	3934	75	25	140.6	45	9400	460	1850		38.96	212.13	0.88	
1	26-Aug	Sliding	03:57	04:07	0.17	3934	3946	12	28	72.0	0	9400	460	1850	60R	38.92	212.29	0.88	
1	26-Aug	Drilling	04:07	04:35	0.47	3946	4020	74	25	158.6	45	9400	460	1850		39.02	212.30	0.40	
1	26-Aug	Sliding	04:39	04:48	0.15	4020	4032	12	28	80.0	0	9400	460	1850	30R	39.05	212.25	0.40	
1	26-Aug	Drilling	04:48	05:25	0.62	4032	4105	73	25	118.4	45	9400	460	1850		39.48	212.69	0.89	
1	26-Aug	Sliding	05:30	05:40	0.17	4105	4120	15	28	90.0	0	9400	460	1850	45R	39.58	212.83	0.89	
1	26-Aug	Drilling	05:40	06:15	0.58	4120	4190	70	25	120.0	45	9400	460	1850		38.69	212.28	1.96	
1	26-Aug	Drilling	06:20	06:50	0.50	4190	4276	86	25	172.0	45	9400	460	1850		37.12	211.99	1.86	
1	26-Aug	Drilling	06:55	07:30	0.58	4276	4361	85	25	145.7	45	9400	460	1850		36.56	211.77	0.30	
1	26-Aug	Drilling	07:35	08:30	0.92	4361	4447	86	25	93.8	45	9400	460	1850		36.59	211.09	0.56	
1	26-Aug	Drilling	08:35	09:05	0.50	4447	4532	85	25	170.0	45	9400	460	1850		34.90	210.65	3.12	
1	26-Aug	Sliding	09:10	09:20	0.17	4532	4542	10	28	60.0	0	9400	460	1850	180	34.58	210.62	3.12	
1	26-Aug	Drilling	09:20	09:55	0.58	4542	4618	76	25	130.3	45	11000	460	1850		32.87	210.97	1.96	
1	26-Aug	Sliding	10:00	10:10	0.17	4618	4628	10	28	60.0	0	11000	460	1850	180	32.68	211.05	1.96	
1	26-Aug	Drilling	10:10	10:40	0.50	4628	4703	75	25	150.0	45	11000	460	1850		30.62	212.43	3.26	
1	26-Aug	Sliding	10:45	11:00	0.25	4703	4718	15	28	60.0	0	11000	460	1850	180	30.16	212.78	3.26	
1	26-Aug	Drilling	11:00	11:30	0.50	4718	4788	70	25	140.0	45	11000	460	1850		27.23	213.23	4.50	

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	26-Aug	Sliding	11:35	11:50	0.25	4788	4808	20	28	80.0	0	11000	460	1850	180	26.33	213.26	4.50	
1	26-Aug	Drilling	11:50	12:30	0.67	4808	4874	66	25	99.0	45	11000	460	1850		24.27	214.02	2.91	
1	26-Aug	Sliding	12:35	12:40	0.08	4874	4889	15	28	180.0	45	11000	460	1850	180	23.85	214.24	2.91	
1	26-Aug	Drilling	12:40	13:10	0.50	4889	4959	70	25	140.0	45	11000	460	1850		22.57	214.85	1.58	
1	26-Aug	Drilling	13:15	13:50	0.58	4959	5044	85	25	145.7	45	11000	460	1850		20.05	214.52	3.74	
1	26-Aug	Sliding	13:55	14:05	0.17	5044	5054	10	28	60.0	0	11000	460	1850	165L	19.68	214.41	3.74	
1	26-Aug	Drilling	14:05	14:35	0.50	5054	5130	76	25	152.0	45	11000	460	1850		18.12	212.41	1.74	
1	26-Aug	Sliding	14:40	14:50	0.17	5130	5138	8	28	48.0	0	11000	460	1850	145L	18.01	212.14	1.74	
1	26-Aug	Drilling	14:50	15:20	0.50	5138	5215	77	25	154.0	45	11000	460	1850		15.43	210.12	4.18	
1	26-Aug	Sliding	15:25	15:35	0.17	5215	5225	10	28	60.0	0	11000	460	1850	145L	15.01	209.85	4.18	
1	26-Aug	Drilling	15:35	16:10	0.58	5225	5301	76	25	130.3	45	11000	460	1850		13.09	210.70	2.02	
1	26-Aug	Sliding	16:15	16:28	0.22	5301	5311	10	28	46.2	0	11000	460	1850	180	12.90	211.00	2.02	
1	26-Aug	Drilling	16:28	17:00	0.53	5311	5386	75	25	140.6	45	11000	460	1850		11.21	212.59	2.41	
1	26-Aug	Sliding	17:30	17:43	0.22	5386	5401	15	28	69.2	0	11000	460	1850	180	10.86	212.90	2.41	
1	26-Aug	Drilling	17:43	18:10	0.45	5401	5471	70	25	155.6	45	11000	460	1850		9.12	212.51	2.51	
1	26-Aug	Sliding	18:15	18:35	0.33	5471	5489	18	28	54.0	0	11000	460	1850	180	8.67	212.22	2.51	
1	26-Aug	Drilling	18:35	19:15	0.67	5489	5557	68	25	102.0	45	11000	460	1850		7.26	212.74	2.00	
1	26-Aug	Sliding	19:19	19:40	0.35	5557	5577	20	28	57.1	0	11000	460	1850	180	6.86	213.06	2.00	
1	26-Aug	Drilling	19:40	20:13	0.55	5577	5642	65	25	118.2	45	11000	460	1850		5.22	217.23	2.72	
1	26-Aug	Sliding	20:18	20:40	0.37	5642	5664	22	28	60.0	0	11000	460	1850	180	4.66	219.50	2.72	
1	26-Aug	Drilling	20:40	21:14	0.57	5664	5728	64	25	112.9	45	11000	460	1850		3.12	225.09	2.44	
1	26-Aug	Sliding	21:18	21:42	0.40	5728	5750	22	28	55.0	0	11000	460	1850	180	2.60	228.15	2.44	
1	26-Aug	Drilling	21:42	22:10	0.47	5750	5813	63	25	135.0	45	11000	460	1850		2.25	229.36	0.32	
1	26-Aug	Drilling	22:14	22:55	0.68	5813	5898	85	25	124.4	45	11000	460	1850		1.98	229.50	0.30	
1	26-Aug	Drilling	23:00	23:45	0.75	5898	5984	86	25	114.7	45	11000	460	1850		1.69	234.65	0.47	
1	26-Aug	Drilling	23:50	24:00	0.17	5984	6014	30	25	180.0	45	11000	460	1850		1.58	237.89	0.47	
1	27-Aug	Drilling	00:00	00:22	0.37	6014	6069	55	25	150.0	45	11000	460	1850		1.50	237.23	0.16	
1	27-Aug	Drilling	00:32	01:10	0.63	6069	6154	85	25	134.2	45	11000	460	1850		1.31	234.64	0.28	
1	27-Aug	Drilling	01:15	01:55	0.67	6154	6239	85	25	127.5	45	11000	460	1850		0.84	232.68	0.71	
1	27-Aug	Drilling	02:00	02:48	0.80	6239	6325	86	25	107.5	45	11000	460	1850		0.47	222.94	0.31	
1	27-Aug	Drilling	02:53	03:30	0.62	6325	6410	85	25	137.8	45	11000	460	1850		0.48	214.63	0.15	
1	27-Aug	Drilling	03:35	04:21	0.77	6410	6495	85	25	110.9	45	11000	460	1850		0.41	206.29	0.25	
1	27-Aug	Drilling	04:26	05:05	0.65	6495	6581	86	25	132.3	45	11000	460	1850		0.36	317.14	1.10	
1	27-Aug	Sliding	05:10	05:40	0.50	6581	6599	18	28	36.0	0	11000	460	1850	40M	0.53	328.07	1.10	
1	27-Aug	Drilling	05:40	06:05	0.42	6599	6666	67	25	160.8	45	11000	460	1850		0.91	327.88	0.47	

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	27-Aug	Drilling	06:10	06:50	0.67	6666	6751	85	25	127.5	45	11000	460	1850		1.00	329.07	0.12	
1	27-Aug	Drilling	06:55	07:30	0.58	6751	6836	85	25	145.7	45	11000	460	1850		0.82	319.40	0.43	
1	27-Aug	Drilling	07:35	08:10	0.58	6836	6922	86	25	147.4	45	11000	460	1850		0.75	311.44	0.01	
1	27-Aug	Drilling	08:15	08:50	0.58	6922	7007	85	25	145.7	45	11000	460	1850		1.07	297.64	0.71	
1	27-Aug	Drilling	08:55	09:25	0.50	7007	7093	86	25	172.0	45	11000	460	1850		1.41	286.41	0.38	
1	27-Aug	Drilling	09:30	10:05	0.58	7093	7178	85	25	145.7	45	11000	460	1850		1.75	278.47	0.53	
1	27-Aug	Drilling	10:10	10:50	0.67	7178	7263	85	25	127.5	45	11000	460	1850		1.47	302.89	1.59	
1	27-Aug	Sliding	10:55	11:20	0.42	7263	7288	25	28	60.0	0	11000	460	1850	90M	1.42	318.61	1.59	
1	27-Aug	Drilling	11:20	11:50	0.50	7288	7349	61	25	122.0	45	11000	460	1850		1.68	311.12	0.73	
1	27-Aug	Drilling	11:55	12:35	0.67	7349	7434	85	25	127.5	45	11000	460	1850		2.12	298.66	0.69	
1	27-Aug	Drilling	12:40	13:30	0.83	7434	7520	86	25	103.2	45	11000	460	1850		2.09	295.36	0.37	
1	27-Aug	Drilling	13:35	14:40	1.08	7520	7605	85	25	78.5	45	11000	460	1850		1.80	296.03	0.00	
1	27-Aug	Drilling	14:45	15:00	0.25	7605	7640	35	25	140.0	45	11000	460	1850		1.80	296.03	0.00	

Total Drilled: 5770 **Avg. Total ROP:** 134.03

DEPTH% - TIME %

Total Rotary Drilled: 5264 **Avg. Rotary ROP:** 144.55 **Percent Rotary:** 91.23 - 84.59

Total Drilled Sliding: 506 **Avg. Slide ROP:** 76.28 **Percent Slide:** 8.77 - 15.41



JOB NO.:	CO16549
Company:	URSA Resources
LOCATION:	Tompkins Pad
RIG NAME:	Capstar 321
STATE:	Colorado
COUNTY:	USA
WELL NAME:	Tompkins 32C-08-07-95

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

Tool Utilization Report

Bits

12838526 - 7 7/8 Security MM55 5x14s

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled
1	36.42	6.63	44.05	44.05	57.92	5,770.00
1	36.42	6.63	44.05	44.05	57.92	5,770.00
1	36.42	6.63	44.05	44.05	57.92	5,770.00

<< Summary for 12838526

<< Summary for Bits

DC

DD650-005 - 6 1/2" NMDC

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled
1	36.42	6.63	44.05	44.05	57.92	5,770.00
1	36.42	6.63	44.05	44.05	57.92	5,770.00

<< Summary for DD650-005

DD650-022 - 6 1/2" NMDC

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled
1	36.42	6.63	44.05	44.05	57.92	5,770.00
1	36.42	6.63	44.05	44.05	57.92	5,770.00
2	72.83	13.27	88.10	88.10	115.83	11,540.00

<< Summary for DD650-022

<< Summary for DC

Motors

6104 - 7/8, 3.5, 1.50 FBH, 0.21 Rev/Gal

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled
1	36.42	6.63	44.05	44.05	57.92	5,770.00
1	36.42	6.63	44.05	44.05	57.92	5,770.00
1	36.42	6.63	44.05	44.05	57.92	5,770.00

<< Summary for 6104

<< Summary for Motors

MWD

Tool Utilization Report

PZDGS610 - 6 1/2" Gap Sub

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled
1	36.42	6.63	44.05	44.05	57.92	5,770.00
1	36.42	6.63	44.05	44.05	57.92	5,770.00

<< Summary for PZDGS610

PZDIS618 - 6 1/2 INDEX

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled
1	36.42	6.63	44.05	44.05	57.92	5,770.00
1	36.42	6.63	44.05	44.05	57.92	5,770.00
2	72.83	13.27	88.10	88.10	115.83	11,540.00

<< Summary for PZDIS618

<< Summary for MWD



JOB NO.: CO16549
Company: URSA Resources
LOCATION: Tompkins Pad
RIG NAME: Capstar 321
STATE: Colorado
COUNTY: Garfield
WELL NAME: Tompkins 32C-08-07-95

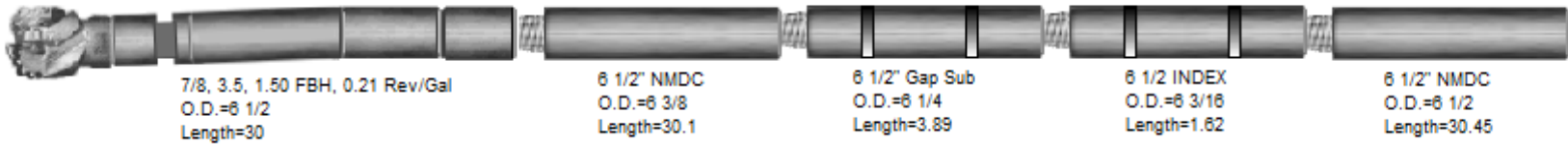
FIELD: Battlement Mesa
Township: 7S
SECT\ RANGE: 8 95W

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	25-Aug-16 @ 12:35	27-Aug-16 @ 22:30	57.92	1870.0	7640.0	5264.0	506.0	5770.0	134.03	144.5	76.3	0-45	460-460	.0	.0	.0	.0	50-75	50-115	50-90
				Hours>		36.42	6.63	43.05												

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





Well Information

BHA # 1

JOB NO.: CO16549
Company: URSA Resources
LOCATION: Tompkins Pad
RIG NAME: Capstar 321
STATE: Colorado
COUNTY: Garfield

FIELD: Battlement Mesa
Township: 7S
SECT. RANGE: 8 95W
Lead DD: Sam Sisneros
Co. Man: Nate Gill
BHA TYPE: Steerable Assembly

WELL NAME: Tompkins 32C-08-07-95

BHA Summary Information

TIME IN - OUT			Rotary Hours		36.42		Start Depth		1870.00		RPM	Flow
Start Time	End Time	Circ Hrs Tot/Only		44.47 / 1.42		End Depth		7640.00		Range		Rate
25-Aug-16 @ 12:35	27-Aug-16 @ 22:30	Slide Hours		6.63		Percent Rotary:		91.23		0 -45	460	
		Below Rotary Hrs.		57.92		Percent Slide:		8.77			-460	
Total Drilled:			5770.00		Avg. Total ROP:		134.03		Incl.		Azimuth	
Total Rotary Drilled:			5264.00		Avg. Rotary ROP:		144.55		IN	OUT	IN	OUT
Total Drilled Sliding:			506.00		Avg. Slide ROP:		76.28		.0	.0	.00	.00
SPP	1200 -1850	Weights	SO	50 -75	PU	50 -115	RAB	50 -90	Reason POOH		TD	

Bit Data							MOTOR DATA					Mud Data					
Security		7 7/8 Security MM55 5x14s					7/8,3.5 STG, 1.5 FBH, 0.21 Rev/Gal					Type	LSND				
Type Bit				PDC			Model: Arrow					Pad OD		WT 9.6 GAS 0 Solids 8.2			
TFA		0.751					MFG. Hunting					6 3/4		Vis 42 SAND 0.15 T ° 98			
JETS			14	14	14	14	14	Bend ° 1.5		Stator/Rotor 7/8		PV 11 PH 9.6 Chlor 1100					
			0	0	0	0	0	Bit to Bend 6.2		Motor Diff 275		YP 13 WL 7.3 Oil % 0					
Bit Coding				IADC#			Rev/GAL 0.21									BHT ° 139	
IR	OR	DL	Loc	BS	G	ODL	NB Stab 0				PUMPS		PUMP1		PUMP1		
							Rotor Jet 0				NAME		Gardner Denver		Gardner Denver		
1	1	NO	A	X	1						Model		PZ-9		PZ-9		
Bit Drop:			332 PSI @ 460 GPM				Sensor Offsets					Type		Triplex		Triplex	
Comments						Sensor	55	Sonic	0	Liner		6.50		6.50			
						Gamma	0	DNSC	1850	Stroke		9.00		9.00			
						Restiv	0	GYRO	0	Efficiency		95.00		95.00			

Comments

Hold 39.23 INC through tangent drop back to vertical hold to TD

BHA Detail

#	Description	Serial #	I.D.	O.D.	Length	Sum	Top Conn
1	7 7/8 Security MM55 5x14s	12838526		7 7/8	1.00	1.00	4 1/2 REGP
2	7/8, 3.5, 1.50 FBH, 0.21 Rev/Gal	6104	0	6 1/2	30.00	31.00	4 1/2 XHB
3	6 1/2" NMDC	DD650-005	2 3/8	6 3/8	30.10	61.10	4 1/2 XHB
4	6 1/2" Gap Sub	PZDGS610	2 7/8	6 1/4	3.89	64.99	4 1/2 XHB
5	6 1/2 INDEX	PZDIS618	3 1/4	6 3/16	1.62	66.61	4 1/2 XHB
6	6 1/2" NMDC	DD650-022	2 3/8	6 1/2	30.45	97.06	4 1/2 XHB

6 1/2" NMDC
O.D.=6 1/2
Length=30.45

6 1/2 INDEX
O.D.=6 3/16
Length=1.62
FN=0

6 1/2" Gap Sub
O.D.=6 1/4
Length=3.89

6 1/2" NMDC
O.D.=6 3/8
Length=30.1

7/8, 3.5, 1.50 FBH, 0.21 Rev/Gal
O.D.=6 1/2
Length=30
FN=1.5

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



JOB NO.:	CO16549	Report Time:	2400	1 of 3
Company:	URSA Resources	API JOB #	05-045-22472-00	
LOCATION:	Tompkins Pad	WORK ORDER#	CO16549	
RIG NAME:	Capstar 321	FIELD:	Battlement Mesa	
STATE:	Colorado	Township:	7S	
COUNTY:	Garfield	SECT RANGE:	8	95W
WELL NAME:	Tompkins 32C-08-07-95			

From Thursday, August 25, 2016 at 0000 to Thursday, August 25, 2016 at 2400

DRILLING SUMMARY					Drilling Parameters							
Start Depth	1870.00	Rotary Hours	7.15	WOB	25	Pick UP	88	Slack Off	68	SPM		
End Depth	3379.00	Circulating Hours	0.00	RAB	72	SPP	1850	FlowRate	0 - 460	125		
Total Drilled:	1509.00	Avg. Total ROP:	175.81	Mud Data								
Total Rotary Drilled:	1336.00	Avg. Rotary ROP:	186.85	Type	LSND			PV	8	SOLID	3.8	
Total Drilled Sliding:	173.00	Avg. Slide ROP:	120.70	Weight	8.9	GAS	0	YP	8	BHT°	103	
Slide Hours:	1.43	Percent Rotary:	88.54	Viscosity	37	SAND	0.25	PH	9.9	Flow T°	95	
Below Rotary Hrs.	18.75	Percent Slide:	11.46	Chlorides	1100	WL	4.8			Oil %	0	
PERSONNEL				CASING					BHA			
Lead Directional :	Sam Sisneros			Size	Lb/ft	Set Depth		BHA # 1:7 7/8 Security MM55 5x14s, 7/8, 3.5, 1.50 FBH, 0.21 Rev/Gal, 6 1/2" NMDC, 6 1/2" Gap Sub, 6 1/2 INDEX, 6 1/2" NMDC,				
Second Directional :	Kyle Sizemore			8 5/8	32	1853						
MWD Operator1	Colin Chudy			Signature:								
MWD Operator2												
Directional Company:	Payzone Directional											
Geologist:												
Company Man:	Nate Gill											
Incl. In:	38.57	Azm. In:	208.18	Incl. Out:	40.3	Azm. Out:	211.61					

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
25-Aug-16	00:00	06:00	6.00	1870	1870	Other	Run Casing & Cement on 42A
25-Aug-16	06:00	06:30	0.50	1870	1870	Other	Skid rig to 32C
25-Aug-16	06:30	07:30	1.00	1870	1870	N/U BOPS	N/U BOPS
25-Aug-16	07:30	11:45	4.25	1870	1870	Test BOPS	Test BOPS
25-Aug-16	11:45	12:35	0.83	1870	1870	Change BHA	Change BHA P/U BHA # 1 TFO = 328.69
25-Aug-16	12:35	14:10	1.58	1870	1870	TIH	TIH
25-Aug-16	14:10	14:50	0.67	1870	1870	Drilling	Drilg Float Equipment
25-Aug-16	14:50	15:40	0.83	1870	1970	Drilling	Drilg F / 1870' - 1970'
25-Aug-16	15:40	15:45	0.08	1970	1970	Survey & Conn.	Survey & Conn.@1915' Inc 38.57° Azm 208.18°
25-Aug-16	15:45	15:55	0.17	1970	1985	Sliding	Slide F/ 1970' - 1985'
25-Aug-16	15:55	16:15	0.33	1985	2055	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
25-Aug-16	16:15	16:20	0.08	2055	2055	Survey & Conn.	Survey & Conn.@2000' Inc 39.58° Azm 209.82°
25-Aug-16	16:20	16:25	0.08	2055	2065	Sliding	Sliding - (WOB:25;GPM :460;TFO:45R))
25-Aug-16	16:25	16:45	0.33	2065	2141	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
25-Aug-16	16:45	16:50	0.08	2141	2141	Survey & Conn.	Survey & Conn.@2086' Inc 39.33° Azm 209.37°
25-Aug-16	16:50	16:55	0.08	2141	2156	Sliding	Sliding - (WOB:28;GPM :460;TFO:60R))
25-Aug-16	16:55	17:16	0.35	2156	2226	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
25-Aug-16	17:16	17:19	0.05	2226	2226	Survey & Conn.	Survey & Conn.@2171' Inc 39.42° Azm 210.46°
25-Aug-16	17:19	17:25	0.10	2226	2241	Sliding	Sliding - (WOB:28;GPM :460;TFO:40R))
25-Aug-16	17:25	17:45	0.33	2241	2311	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
25-Aug-16	17:45	17:49	0.07	2311	2311	Survey & Conn.	Survey & Conn.@2256' Inc 38.9° Azm 210.74°
25-Aug-16	17:49	17:55	0.10	2311	2327	Sliding	Sliding - (WOB:28;GPM :460;TFO:30R))
25-Aug-16	17:55	18:13	0.30	2327	2397	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
25-Aug-16	18:13	18:18	0.08	2397	2397	Survey & Conn.	Survey & Conn.@2342' Inc 39.7° Azm 210.85°
25-Aug-16	18:18	18:26	0.13	2397	2413	Sliding	Sliding - (WOB:28;GPM :460;TFO:30R))
25-Aug-16	18:26	18:45	0.32	2413	2482	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
25-Aug-16	18:45	18:49	0.07	2482	2482	Survey & Conn.	Survey & Conn.@2427' Inc 40.32° Azm 211.98°
25-Aug-16	18:49	18:55	0.10	2482	2496	Sliding	Sliding - (WOB:28;GPM :460;TFO:30R))
25-Aug-16	18:55	19:11	0.27	2496	2568	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
25-Aug-16	19:11	19:15	0.07	2568	2568	Survey & Conn.	Survey & Conn.@2513' Inc 40.34° Azm 212.65°
25-Aug-16	19:15	19:22	0.12	2568	2582	Sliding	Sliding - (WOB:28;GPM :460;TFO:30R))
25-Aug-16	19:22	19:41	0.32	2582	2653	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
25-Aug-16	19:41	19:45	0.07	2653	2653	Survey & Conn.	Survey & Conn.@2598' Inc 41.62° Azm 212.79°
25-Aug-16	19:45	20:08	0.38	2653	2739	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
25-Aug-16	20:08	20:12	0.07	2739	2739	Survey & Conn.	Survey & Conn.@2684' Inc 40.87° Azm 212.18°
25-Aug-16	20:12	20:37	0.42	2739	2824	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
25-Aug-16	20:37	20:41	0.07	2824	2824	Survey & Conn.	Survey & Conn.@2769' Inc 39.68° Azm 211.04°
25-Aug-16	20:41	20:48	0.12	2824	2838	Sliding	Sliding - (WOB:28;GPM :460;TFO:30R))
25-Aug-16	20:48	21:08	0.33	2838	2909	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
25-Aug-16	21:08	21:13	0.08	2909	2909	Survey & Conn.	Survey & Conn.@2854' Inc 40.17° Azm 211.3°
25-Aug-16	21:13	21:18	0.08	2909	2917	Sliding	Sliding - (WOB:28;GPM :460;TFO:30R))
25-Aug-16	21:18	21:40	0.37	2917	2995	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
25-Aug-16	21:40	21:45	0.08	2995	2995	Survey & Conn.	Survey & Conn.@2940' Inc 40.41° Azm 211.19°
25-Aug-16	21:45	21:49	0.07	2995	3002	Sliding	Sliding - (WOB:28;GPM :460;TFO:30R))
25-Aug-16	21:49	22:09	0.33	3002	3080	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
25-Aug-16	22:09	22:14	0.08	3080	3080	Survey & Conn.	Survey & Conn.@3025' Inc 40.35° Azm 211.64°
25-Aug-16	22:14	22:18	0.07	3080	3089	Sliding	Sliding - (WOB:28;GPM :460;TFO:30R))
25-Aug-16	22:18	22:40	0.37	3089	3166	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
25-Aug-16	22:40	22:44	0.07	3166	3166	Survey & Conn.	Survey & Conn.@3111' Inc 40.25° Azm 211.34°
25-Aug-16	22:44	22:50	0.10	3166	3176	Sliding	Sliding - (WOB:28;GPM :460;TFO:30R))
25-Aug-16	22:50	23:11	0.35	3176	3251	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
25-Aug-16	23:11	23:16	0.08	3251	3251	Survey & Conn.	Survey & Conn.@3196' Inc 40.52° Azm 211.53°
25-Aug-16	23:16	23:23	0.12	3251	3261	Sliding	Sliding - (WOB:28;GPM :460;TFO:30R))
25-Aug-16	23:23	23:45	0.37	3261	3336	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
25-Aug-16	23:45	23:49	0.07	3336	3336	Survey & Conn.	Survey & Conn.@3281' Inc 40.87° Azm 211.87°
25-Aug-16	23:49	24:00	0.18	3336	3379	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)



JOB NO.:	CO16549	Report Time:	2400	2 of 3
Company:	URSA Resources	API JOB #	05-045-22472-00	
LOCATION:	Tompkins Pad	WORK ORDER#	CO16549	
RIG NAME:	Capstar 321	FIELD:	Battlement Mesa	
STATE:	Colorado	Township:	7S	
COUNTY:	Garfield	SECT RANGE:	8	95W
WELL NAME:	Tompkins 32C-08-07-95			

From Friday, August 26, 2016 at 0000 to Friday, August 26, 2016 at 2400

DRILLING SUMMARY					Drilling Parameters						
Start Depth	3379.00	Rotary Hours	16.85	WOB	25	Pick UP	115	Slack Off	75	SPM	
End Depth	6014.00	Circulating Hours	0.42	RAB	90	SPP	1850	FlowRate	460 - 460	125	
Total Drilled:	2635.00	Avg. Total ROP:	124.68	Mud Data							
Total Rotary Drilled:	2345.00	Avg. Rotary ROP:	139.17	Type	LSND			PV	10	SOLID	5.4
Total Drilled Sliding:	290.00	Avg. Slide ROP:	67.70	Weight	9.2	GAS	0	YP	14	BHT°	103
Slide Hours:	4.28	Percent Rotary:	88.99	Viscosity	42	SAND	0.15	PH	9.6	Flow T°	87
Below Rotary Hrs.	24.00	Percent Slide:	11.01	Chlorides	1100	WL	6.4			Oil %	0
PERSONNEL				CASING					BHA		
Lead Directional :	Sam Sisneros			Size	Lb/ft	Set Depth		BHA # 1:7 7/8 Security MM55 5x14s, 7/8, 3.5, 1.50 FBH, 0.21 Rev/Gal, 6 1/2" NMDC, 6 1/2" Gap Sub, 6 1/2 INDEX, 6 1/2" NMDC,			
Second Directional :	Kyle Sizemore			8 5/8	32	1853					
MWD Operator1	Colin Chudy			Signature:							
MWD Operator2											
Directional Company:	Payzone Directional										
Geologist:											
Company Man:	Nate Gill										
Incl. In:	40.3	Azm. In:	211.61	Incl. Out:	1.89	Azm. Out:	229.67				

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
26-Aug-16	00:00	00:15	0.25	3379	3422	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
26-Aug-16	00:15	00:19	0.07	3422	3422	Survey & Conn.	Survey & Conn.@3367' Inc 39.77° Azm 210.86°
26-Aug-16	00:19	00:25	0.10	3422	3432	Sliding	Sliding - (WOB:28;GPM :460;TFO:40R))
26-Aug-16	00:25	00:48	0.38	3432	3507	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
26-Aug-16	00:48	00:53	0.08	3507	3507	Survey & Conn.	Survey & Conn.@3452' Inc 40.12° Azm 211.52°
26-Aug-16	00:53	00:58	0.08	3507	3515	Sliding	Sliding - (WOB:28;GPM :460;TFO:70R))
26-Aug-16	00:58	01:21	0.38	3515	3593	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
26-Aug-16	01:21	01:25	0.07	3593	3593	Survey & Conn.	Survey & Conn.@3538' Inc 40.17° Azm 211.83°
26-Aug-16	01:25	01:55	0.50	3593	3678	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
26-Aug-16	01:55	02:00	0.08	3678	3678	Survey & Conn.	Survey & Conn.@3623' Inc 39.11° Azm 210.86°
26-Aug-16	02:00	02:08	0.13	3678	3688	Sliding	Sliding - (WOB:28;GPM :460;TFO:60R))
26-Aug-16	02:08	02:32	0.40	3688	3763	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
26-Aug-16	02:32	02:36	0.07	3763	3763	Survey & Conn.	Survey & Conn.@3708' Inc 39.33° Azm 211.56°
26-Aug-16	02:36	02:41	0.08	3763	3771	Sliding	Sliding - (WOB:28;GPM :460;TFO:60R))
26-Aug-16	02:41	03:10	0.48	3771	3849	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
26-Aug-16	03:10	03:14	0.07	3849	3849	Survey & Conn.	Survey & Conn.@3794' Inc 39.11° Azm 211.39°
26-Aug-16	03:14	03:20	0.10	3849	3859	Sliding	Sliding - (WOB:28;GPM :460;TFO:60R))

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
26-Aug-16	03:20	03:52	0.53	3859	3934	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
26-Aug-16	03:52	03:57	0.08	3934	3934	Survey & Conn.	Survey & Conn.@3879' Inc 39.16° Azm 211.43°
26-Aug-16	03:57	04:07	0.17	3934	3946	Sliding	Sliding - (WOB:28;GPM :460;TFO:60R))
26-Aug-16	04:07	04:35	0.47	3946	4020	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
26-Aug-16	04:35	04:39	0.07	4020	4020	Survey & Conn.	Survey & Conn.@3965' Inc 38.85° Azm 212.53°
26-Aug-16	04:39	04:48	0.15	4020	4032	Sliding	Sliding - (WOB:28;GPM :460;TFO:30R))
26-Aug-16	04:48	05:25	0.62	4032	4105	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
26-Aug-16	05:25	05:30	0.08	4105	4105	Survey & Conn.	Survey & Conn.@4050' Inc 39.11° Azm 212.18°
26-Aug-16	05:30	05:40	0.17	4105	4120	Sliding	Sliding - (WOB:28;GPM :460;TFO:45R))
26-Aug-16	05:40	06:15	0.58	4120	4190	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
26-Aug-16	06:15	06:20	0.08	4190	4190	Survey & Conn.	Survey & Conn.@4135' Inc 39.68° Azm 212.97°
26-Aug-16	06:20	06:50	0.50	4190	4276	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
26-Aug-16	06:50	06:55	0.08	4276	4276	Survey & Conn.	Survey & Conn.@4221' Inc 38.14° Azm 211.87°
26-Aug-16	06:55	07:30	0.58	4276	4361	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
26-Aug-16	07:30	07:35	0.08	4361	4361	Survey & Conn.	Survey & Conn.@4306' Inc 36.56° Azm 212.05°
26-Aug-16	07:35	08:30	0.92	4361	4447	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
26-Aug-16	08:30	08:35	0.08	4447	4447	Survey & Conn.	Survey & Conn.@4392' Inc 36.56° Azm 211.61°
26-Aug-16	08:35	09:05	0.50	4447	4532	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
26-Aug-16	09:05	09:10	0.08	4532	4532	Survey & Conn.	Survey & Conn.@4477' Inc 36.61° Azm 210.81°
26-Aug-16	09:10	09:20	0.17	4532	4542	Sliding	Sliding - (WOB:28;GPM :460;TFO:180))
26-Aug-16	09:20	09:55	0.58	4542	4618	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
26-Aug-16	09:55	10:00	0.08	4618	4618	Survey & Conn.	Survey & Conn.@4563' Inc 33.93° Azm 210.55°
26-Aug-16	10:00	10:10	0.17	4618	4628	Sliding	Sliding - (WOB:28;GPM :460;TFO:180))
26-Aug-16	10:10	10:40	0.50	4628	4703	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
26-Aug-16	10:40	10:45	0.08	4703	4703	Survey & Conn.	Survey & Conn.@4648' Inc 32.3° Azm 211.21°
26-Aug-16	10:45	11:00	0.25	4703	4718	Sliding	Sliding - (WOB:28;GPM :460;TFO:180))
26-Aug-16	11:00	11:30	0.50	4718	4788	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
26-Aug-16	11:30	11:35	0.08	4788	4788	Survey & Conn.	Survey & Conn.@4733' Inc 29.71° Azm 213.14°
26-Aug-16	11:35	11:50	0.25	4788	4808	Sliding	Sliding - (WOB:28;GPM :460;TFO:180))
26-Aug-16	11:50	12:30	0.67	4808	4874	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
26-Aug-16	12:30	12:35	0.08	4874	4874	Survey & Conn.	Survey & Conn.@4819' Inc 25.84° Azm 213.28°
26-Aug-16	12:35	12:40	0.08	4874	4889	Sliding	Sliding - (WOB:28;GPM :460;TFO:180)
26-Aug-16	12:40	13:10	0.50	4889	4959	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
26-Aug-16	13:10	13:15	0.08	4959	4959	Survey & Conn.	Survey & Conn.@4904' Inc 23.42° Azm 214.46°
26-Aug-16	13:15	13:50	0.58	4959	5044	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
26-Aug-16	13:50	13:55	0.08	5044	5044	Survey & Conn.	Survey & Conn.@4989' Inc 22.1° Azm 215.08°
26-Aug-16	13:55	14:05	0.17	5044	5054	Sliding	Sliding - (WOB:28;GPM :460;TFO:165L))
26-Aug-16	14:05	14:35	0.50	5054	5130	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
26-Aug-16	14:35	14:40	0.08	5130	5130	Survey & Conn.	Survey & Conn.@5075' Inc 18.9° Azm 214.16°
26-Aug-16	14:40	14:50	0.17	5130	5138	Sliding	Sliding - (WOB:28;GPM :460;TFO:145L))
26-Aug-16	14:50	15:20	0.50	5138	5215	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
26-Aug-16	15:20	15:25	0.08	5215	5215	Survey & Conn.	Survey & Conn.@5160' Inc 17.7° Azm 211.39°
26-Aug-16	15:25	15:35	0.17	5215	5225	Sliding	Sliding - (WOB:28;GPM :460;TFO:145L))
26-Aug-16	15:35	16:10	0.58	5225	5301	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
26-Aug-16	16:10	16:15	0.08	5301	5301	Survey & Conn.	Survey & Conn.@5246' Inc 14.15° Azm 209.23°
26-Aug-16	16:15	16:28	0.22	5301	5311	Sliding	Sliding - (WOB:28;GPM :460;TFO:180))
26-Aug-16	16:28	17:00	0.53	5311	5386	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
26-Aug-16	17:00	17:05	0.08	5386	5386	Survey & Conn.	Survey & Conn.@5331' Inc 12.52° Azm 211.61°

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
26-Aug-16	17:05	17:30	0.42	5386	5386	Rig Service-Inhole	Rig Service-Inhole
26-Aug-16	17:30	17:43	0.22	5386	5401	Sliding	Sliding - (WOB:28;GPM :460;TFO:180))
26-Aug-16	17:43	18:10	0.45	5401	5471	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
26-Aug-16	18:10	18:15	0.08	5471	5471	Survey & Conn.	Survey & Conn.@5416' Inc 10.5° Azm 213.23°
26-Aug-16	18:15	18:35	0.33	5471	5489	Sliding	Sliding - (WOB:28;GPM :460;TFO:180))
26-Aug-16	18:35	19:15	0.67	5489	5557	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
26-Aug-16	19:15	19:19	0.07	5557	5557	Survey & Conn.	Survey & Conn.@5502' Inc 8.35° Azm 212°
26-Aug-16	19:19	19:40	0.35	5557	5577	Sliding	Sliding - (WOB:28;GPM :460;TFO:180))
26-Aug-16	19:40	20:13	0.55	5577	5642	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
26-Aug-16	20:13	20:18	0.08	5642	5642	Survey & Conn.	Survey & Conn.@5587' Inc 6.66° Azm 213.24°
26-Aug-16	20:18	20:40	0.37	5642	5664	Sliding	Sliding - (WOB:28;GPM :460;TFO:180))
26-Aug-16	20:40	21:14	0.57	5664	5728	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
26-Aug-16	21:14	21:18	0.07	5728	5728	Survey & Conn.	Survey & Conn.@5673' Inc 4.43° Azm 220.6°
26-Aug-16	21:18	21:42	0.40	5728	5750	Sliding	Sliding - (WOB:28;GPM :460;TFO:180))
26-Aug-16	21:42	22:10	0.47	5750	5813	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
26-Aug-16	22:10	22:14	0.07	5813	5813	Survey & Conn.	Survey & Conn.@5758' Inc 2.42° Azm 229.58°
26-Aug-16	22:14	22:55	0.68	5813	5898	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
26-Aug-16	22:55	23:00	0.08	5898	5898	Survey & Conn.	Survey & Conn.@5843' Inc 2.15° Azm 229.23°
26-Aug-16	23:00	23:45	0.75	5898	5984	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
26-Aug-16	23:45	23:50	0.08	5984	5984	Survey & Conn.	Survey & Conn.@5929' Inc 1.89° Azm 229.67°
26-Aug-16	23:50	24:00	0.17	5984	6014	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)



JOB NO.:	CO16549	Report Time:	2400	3 of 3
Company:	URSA Resources	API JOB #	05-045-22472-00	
LOCATION:	Tompkins Pad	WORK ORDER#	CO16549	
RIG NAME:	Capstar 321	FIELD:	Battlement Mesa	
STATE:	Colorado	Township:	7S	
COUNTY:	Garfield	SECT RANGE:	8	95W
WELL NAME:	Tompkins 32C-08-07-95			

From Saturday, August 27, 2016 at 0000 to Saturday, August 27, 2016 at 2400

DRILLING SUMMARY				Drilling Parameters						
Start Depth	3379.00	Rotary Hours	16.85	WOB	25	Pick UP	115	Slack Off	75	SPM
End Depth	6014.00	Circulating Hours	0.42	RAB	90	SPP	1850	FlowRate	460 - 460	125
Total Drilled:	2635.00	Avg. Total ROP:	124.68	Mud Data						
Total Rotary Drilled:	2345.00	Avg. Rotary ROP:	139.17	Type	LSND	PV	11	SOLID	8.2	
Total Drilled Sliding:	290.00	Avg. Slide ROP:	67.70	Weight	9.6	GAS	0	YP	13	BHT°
Slide Hours:	4.28	Percent Rotary:	88.99	Viscosity	42	SAND	0.15	PH	9.6	Flow T°
Below Rotary Hrs.	24.00	Percent Slide:	11.01	Chlorides	1100	WL	7.3	Oil %	0	

PERSONNEL						CASING			BHA	
Lead Directional :		Sam Sisneros				Size	Lb/ft	Set Depth	BHA # 2	
Second Directional :		Kyle Sizemore				8 5/8	32	1853		
MWD Operator1		Colin Chudy				Signature:				
MWD Operator2										
Directional Company:		Payzone Directional								
Geologist:										
Company Man:		Nate Gill								
Incl. In:	1.89	Azm. In:	229.67	Incl. Out:	0	Azm. Out:	0			

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
27-Aug-16	00:00	00:22	0.37	6014	6069	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
27-Aug-16	00:22	00:32	0.17	6069	6069	Survey & Conn.	Survey & Conn.@6014' Inc 1.58° Azm 237.89°
27-Aug-16	00:32	01:10	0.63	6069	6154	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
27-Aug-16	01:10	01:15	0.08	6154	6154	Survey & Conn.	Survey & Conn.@6099' Inc 1.45° Azm 236.83°
27-Aug-16	01:15	01:55	0.67	6154	6239	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
27-Aug-16	01:55	02:00	0.08	6239	6239	Survey & Conn.	Survey & Conn.@6184' Inc 1.23° Azm 233.24°
27-Aug-16	02:00	02:48	0.80	6239	6325	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
27-Aug-16	02:48	02:53	0.08	6325	6325	Survey & Conn.	Survey & Conn.@6270' Inc 0.62° Azm 232.05°
27-Aug-16	02:53	03:30	0.62	6325	6410	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
27-Aug-16	03:30	03:35	0.08	6410	6410	Survey & Conn.	Survey & Conn.@6355' Inc 0.4° Azm 215.24°
27-Aug-16	03:35	04:21	0.77	6410	6495	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
27-Aug-16	04:21	04:26	0.08	6495	6495	Survey & Conn.	Survey & Conn.@6440' Inc 0.53° Azm 214.38°
27-Aug-16	04:26	05:05	0.65	6495	6581	Drilling	Drilling - (WOB:25; :460;RPM:45)
27-Aug-16	05:05	05:10	0.08	6581	6581	Survey & Conn.	Survey & Conn.@6526' Inc 0.35° Azm 199.39°
27-Aug-16	05:10	05:40	0.50	6581	6599	Sliding	Sliding - (WOB:28; :460;TFO:40M))
27-Aug-16	05:40	06:05	0.42	6599	6666	Drilling	Drilling - (WOB:25; :460;RPM:45)
27-Aug-16	06:05	06:10	0.08	6666	6666	Survey & Conn.	Survey & Conn.@6611' Inc 0.66° Azm 331.97°

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
27-Aug-16	06:10	06:50	0.67	6666	6751	Drilling	Drilling - (WOB:25; :460;RPM:45)
27-Aug-16	06:50	06:55	0.08	6751	6751	Survey & Conn.	Survey & Conn.@6696' Inc 1.05° Azm 326.48°
27-Aug-16	06:55	07:30	0.58	6751	6836	Drilling	Drilling - (WOB:25; :460;RPM:45)
27-Aug-16	07:30	07:35	0.08	6836	6836	Survey & Conn.	Survey & Conn.@6781' Inc 0.98° Azm 330.58°
27-Aug-16	07:35	08:10	0.58	6836	6922	Drilling	Drilling - (WOB:25; :460;RPM:45)
27-Aug-16	08:10	08:15	0.08	6922	6922	Survey & Conn.	Survey & Conn.@6867' Inc 0.75° Azm 311.19°
27-Aug-16	08:15	08:50	0.58	6922	7007	Drilling	Drilling - (WOB:25; :460;RPM:45)
27-Aug-16	08:50	08:55	0.08	7007	7007	Survey & Conn.	Survey & Conn.@6952' Inc 0.75° Azm 311.58°
27-Aug-16	08:55	09:25	0.50	7007	7093	Drilling	Drilling - (WOB:25; :460;RPM:45)
27-Aug-16	09:25	09:30	0.08	7093	7093	Survey & Conn.	Survey & Conn.@7038' Inc 1.27° Azm 293.04°
27-Aug-16	09:30	10:05	0.58	7093	7178	Drilling	Drilling - (WOB:25; :460;RPM:45)
27-Aug-16	10:05	10:10	0.08	7178	7178	Survey & Conn.	Survey & Conn.@7123' Inc 1.49° Azm 283.33°
27-Aug-16	10:10	10:50	0.67	7178	7263	Drilling	Drilling - (WOB:25; :460;RPM:45)
27-Aug-16	10:50	10:55	0.08	7263	7263	Survey & Conn.	Survey & Conn.@7208' Inc 1.89° Azm 276.38°
27-Aug-16	10:55	11:20	0.42	7263	7288	Sliding	Sliding - (WOB:28; :460;TFO:90M))
27-Aug-16	11:20	11:50	0.50	7288	7349	Drilling	Drilling - (WOB:25; :460;RPM:45)
27-Aug-16	11:50	11:55	0.08	7349	7349	Survey & Conn.	Survey & Conn.@7294' Inc 1.42° Azm 322.46°
27-Aug-16	11:55	12:35	0.67	7349	7434	Drilling	Drilling - (WOB:25; :460;RPM:45)
27-Aug-16	12:35	12:40	0.08	7434	7434	Survey & Conn.	Survey & Conn.@7379' Inc 1.85° Azm 306.4°
27-Aug-16	12:40	13:30	0.83	7434	7520	Drilling	Drilling - (WOB:25; :460;RPM:45)
27-Aug-16	13:30	13:35	0.08	7520	7520	Survey & Conn.	Survey & Conn.@7465' Inc 2.29° Azm 295.15°
27-Aug-16	13:35	14:40	1.08	7520	7605	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
27-Aug-16	14:40	14:45	0.08	7605	7605	Survey & Conn.	Survey & Conn.@7550' Inc 1.98° Azm 295.5°
27-Aug-16	14:45	15:00	0.25	7605	7640	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
27-Aug-16	15:00	16:00	1.00	7640	7640	Circulating	Circulating
27-Aug-16	16:00	16:05	0.08	7640	7640	Survey & Conn.	Survey & Conn.@7585' Inc 1.8° Azm 296.03°
27-Aug-16	16:05	21:30	5.42	7640	7640	POOH	POOH
27-Aug-16	21:30	22:30	1.00	7640	7640	Change BHA	Change BHA
27-Aug-16	22:30	24:00	1.50	7640	7640	Other	Rig up and Run 4 1/2 Casing

BHA # 1**Mud Motor Report**

JOB NO.:	CO16549	FIELD:	Battlement Mesa
Company:	URSA Resources	Township:	7S
LOCATION:	Tompkins Pad	Range	95W
RIG NAME:	Capstar 321	Lead DD:	Sam Sisneros
STATE:	Colorado	Co. Man:	Nate Gill
COUNTY:	Garfield		

WELL NAME: Tompkins 32C-08-07-95 **Motor Failed?:** NO

Time and Depths (This BHA)	MOTOR DATA	Drilling Parameters
Date In: 25-Aug-16 @ 12:35	Desc: 7/8,3.5 STG, 1.5 FBH, 0.21	SO/PU: 50 - 75 / 50-115
Date Out: 27-Aug-16 @ 22:30	MFG.: Hunting	Rot Wt: 50-90
Hrs In Hole: 57.92	BHA Circ/ All BHA: 44.47 / 44.05	WOB: 25 - 28
Start Depth: 1870.00	Motor SN: 6104	TORQ: 5000 - 11000
End Depth: 7640.00	Pad OD: 6 3/4	SPP: 1200 - 1850
Total Drilled: 5770.00	NB Stab: 0	Motor RPM: 97
Avg. Total ROP: 134.03	Bit to Bend: 6.2	Rotary RPM: 45 - 45
Circ Hrs:Tot/Only 44.47 / 1.42	Bent Hsg / Sub: 1.5 / 1.5 °	Flow Rate: 460 - 460
Percent Slide: 8.77	Lobe/Stage: 7/8 / 3.5	Avg Diff: 275
Percent Hrs: 15.41	Rev/GAL: 0.21	Stall Pres.:
Slide Hours: 6.63	Rotor Jet: 0	Off Bot Pres.:
Total Sliding: 506.00	Prop BUR:	Bit Record Security / 7 7/8 Security MM55 5x14s
Avg. Slide ROP: 76.28	Act BUR:	
Percent Rotary: 91.23	Stator Clearance:	Run #: 1
Percent Hrs: 84.59	Lower Stab OD:	Type Bit: PDC
Rot / Total Hrs: 36.42 / 43.05	Upper Stab OD:	IADC#: TFA: 0.751
Rotary Drilled: 5264.00	Extended Motor? NO	JETS: 5-14
Avg. Rotary ROP: 144.55	Number of Stalls: 0	Bit Drop: 332 PSI @ 460 GPM
Reason POOH: TD	Stall Duration: 0	Cond.: Green

Mud Data

Type LSND	WT: 9.6	Vis: 42	WL: 7.3	PV: 11	Flow T %: 98
SAND: 0.15	Chlor: 1100	GAS: 0	SOL: 8.2	Oil %: 0	YP: 13
			PH: 9.6	Bottom Hole T %: 139	

Formation:**EXPANDED REASON PULLED:**

TD 7 7/8 Hole @ 7640'

BHA PERFORMANCE:

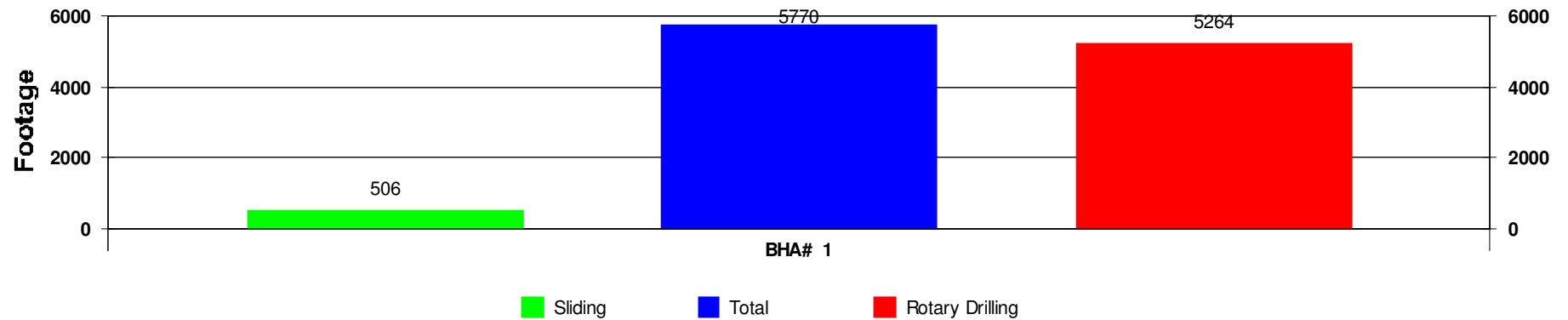
Performed well

ADDITIONAL COMMENTS: (Expands to next page if necessary)

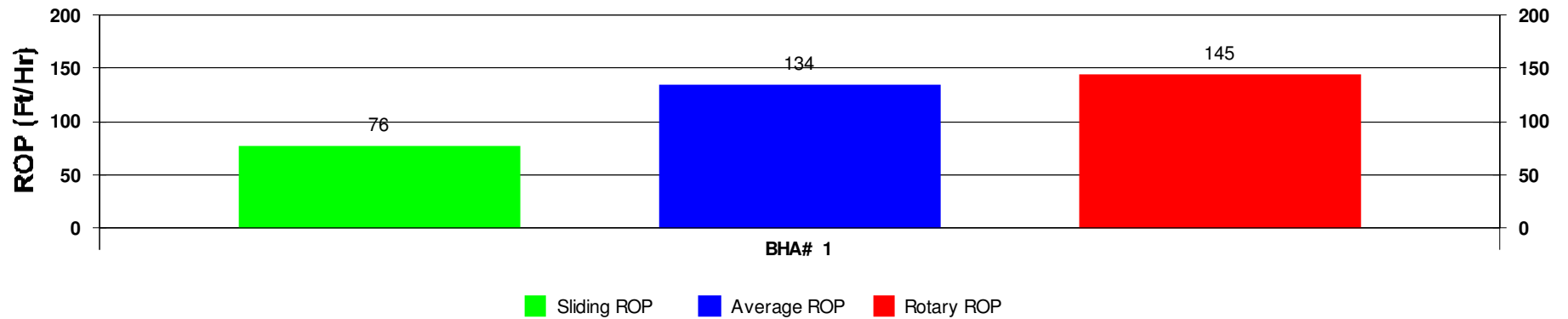


JOB NO.:	CO16549	FIELD:	Battlement Mesa	
Company:	URSA Resources	Township:	7S	
LOCATION:	Tompkins Pad	SECT\	RANGE: 8	95W
RIG NAME:	Capstar 321	COMMENT		
STATE:	Colorado			
COUNTY:	Garfield			
WELL NAME:	Tompkins 32C-08-07-95			

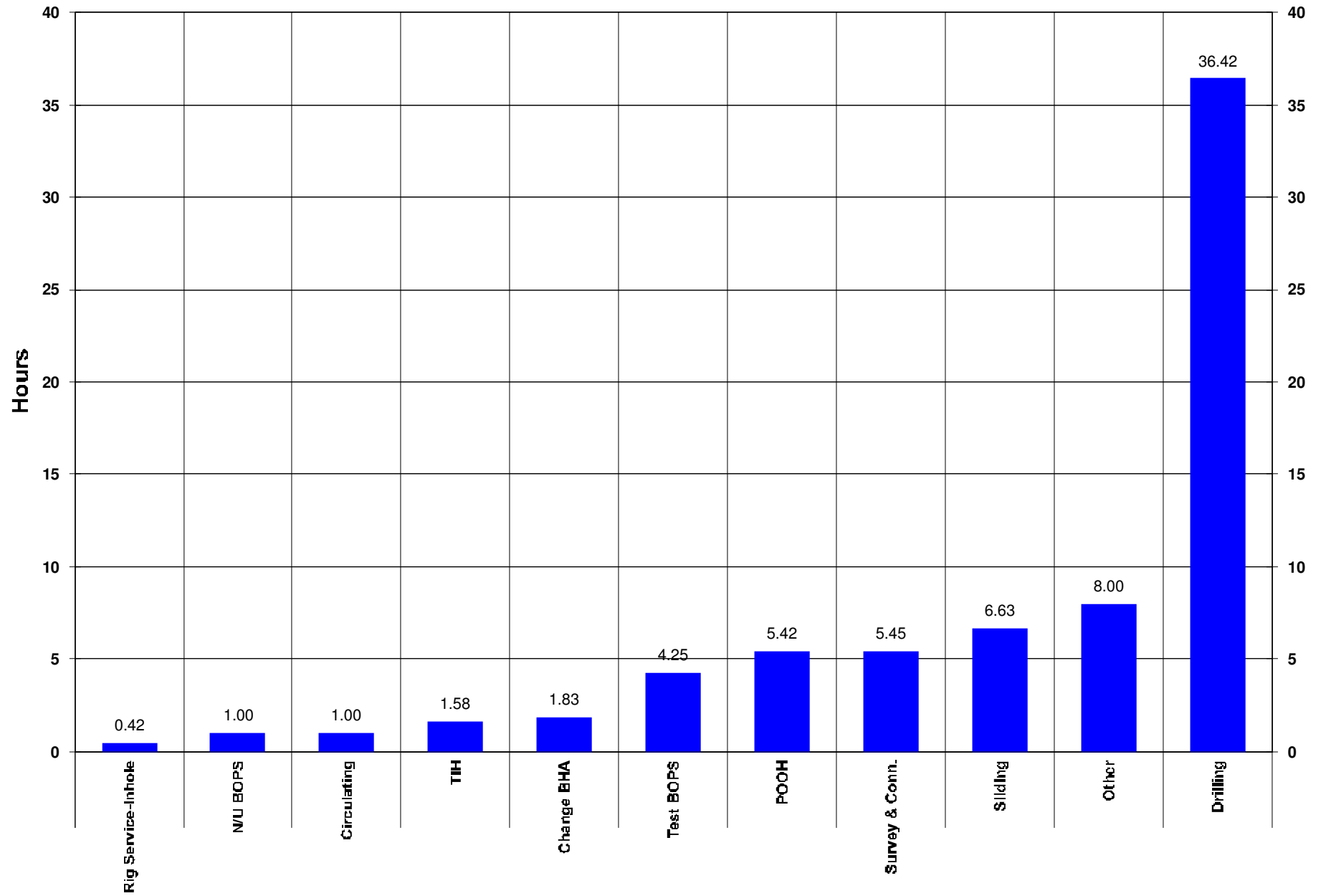
Footage Drilled with BHA



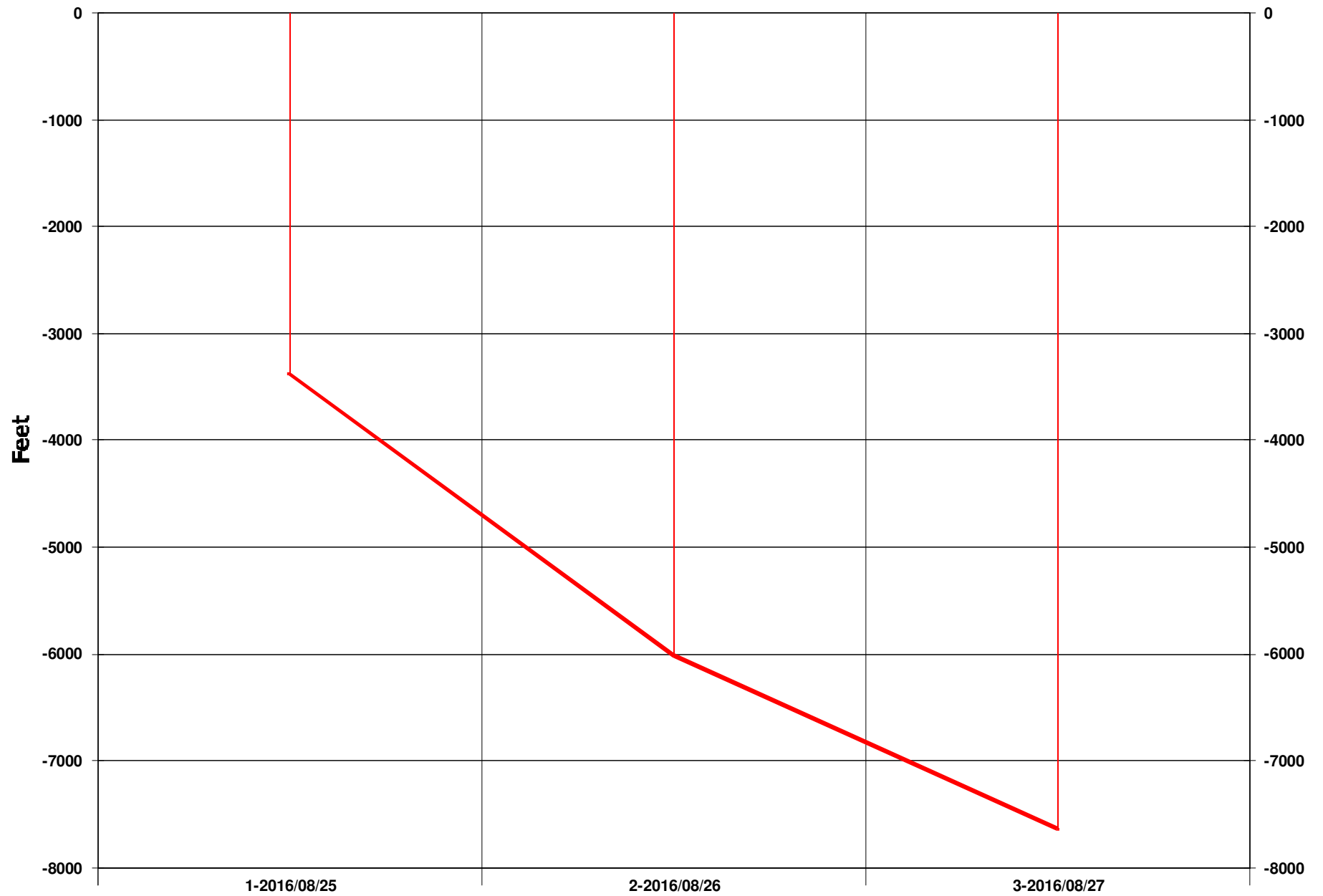
ROP vs BHA



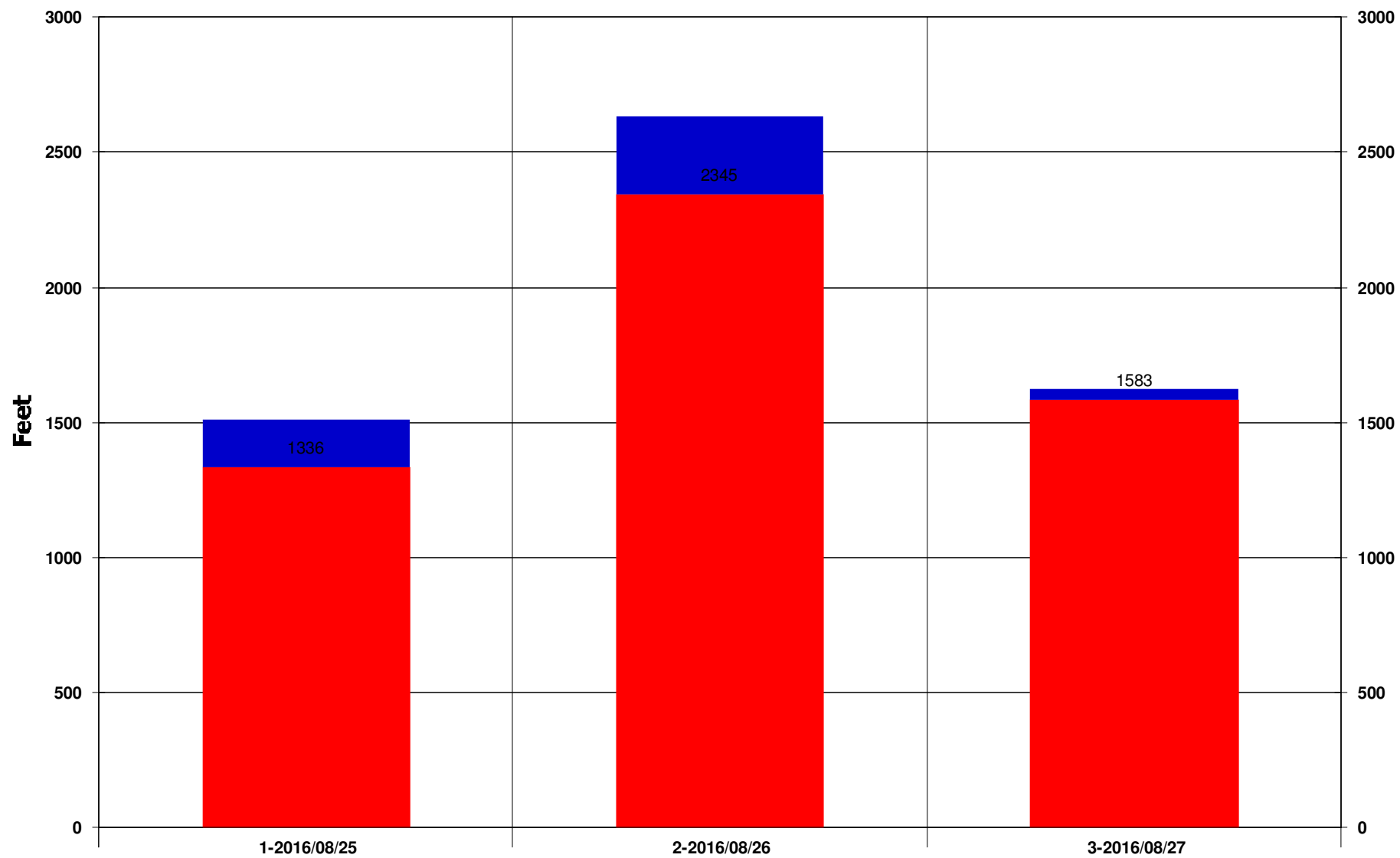
Activity Histogram



Measured Depth vs Days

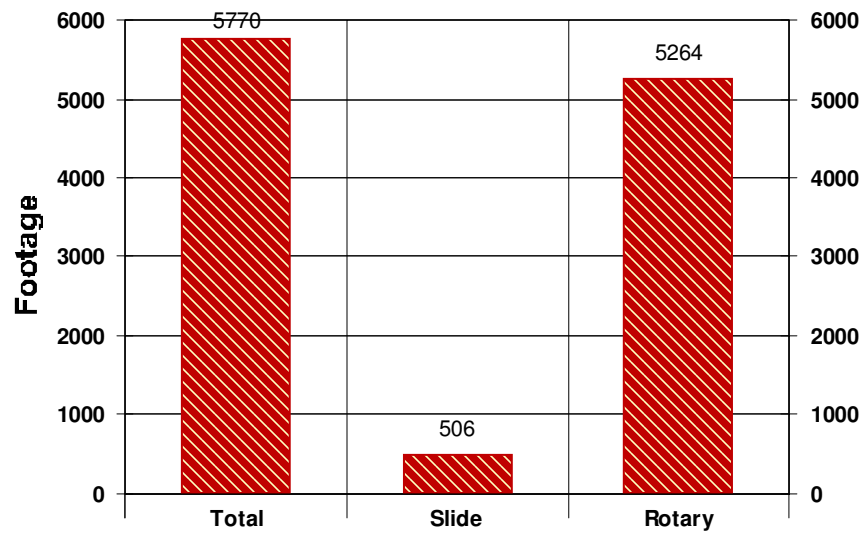


Daily Footage

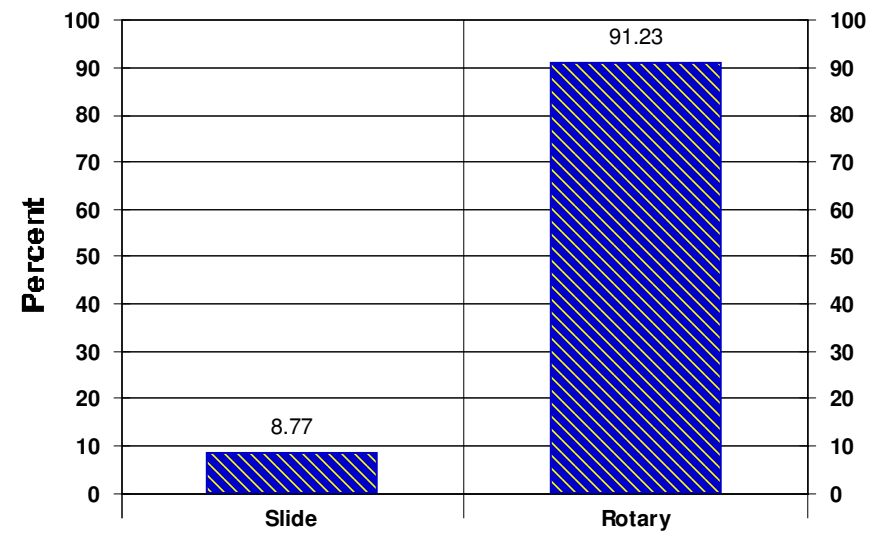


Rotary Drilling Sliding

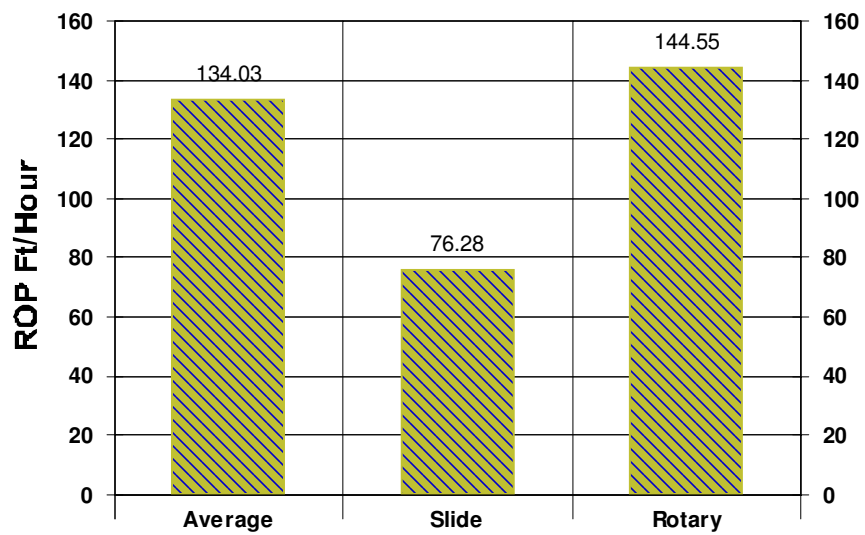
Footage Drilled Totals



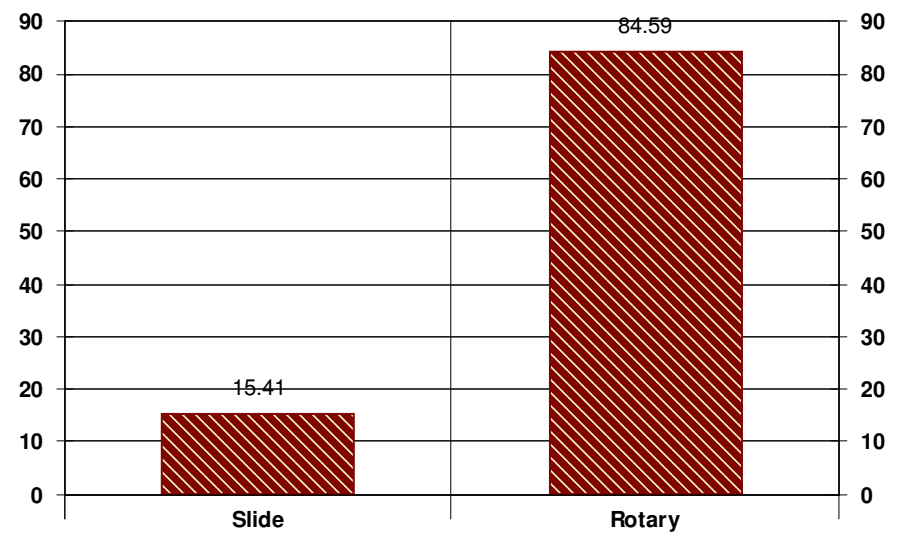
Footage Percent



Rate of Penetration Totals



Time Percent





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