



Ursa Operating Company, LLC

Rockies Region

Tompkins

Tompkins 41C-08-07-95

Wellbore #1

Design: Actual

End Of Well Report

29 June, 2016



Company:	Ursa Operating Company, LLC	Local Co-ordinate Reference:	Well Tompkins 41C-08-07-95
Project:	Rockies Region	TVD Reference:	Tompkins 41C-08-07-95 @ 5549.0usft (Capstar 321)
Site:	Tompkins	MD Reference:	Tompkins 41C-08-07-95 @ 5549.0usft (Capstar 321)
Well:	Tompkins 41C-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 41C-08-07-95, SHL LAT: 39.460024400 LONG: -108.013914500				
Well Position	+N/-S	0.0 usft	Northing:	1,602,263.24 usft	Latitude:	39° 27' 36.088 N
	+E/-W	0.0 usft	Easting:	2,290,300.12 usft	Longitude:	108° 0' 50.092 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	2/4/2016	9.84	65.58	51,663

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	185.63

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Survey Program		Date	6/29/2016		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
139.0	1,670.0	Surface (Wellbore #1)	MWD	MWD - Standard	
1,744.0	6,942.0	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	
139.0	0.70	196.05	139.0	0.8	-0.8	-0.2	0.50	0.50	0.00	
170.0	0.48	194.95	170.0	1.1	-1.1	-0.3	0.71	-0.71	-3.55	
201.0	0.75	164.10	201.0	1.5	-1.4	-0.3	1.35	0.87	-99.52	
230.0	0.70	156.68	230.0	1.8	-1.8	-0.2	0.37	-0.17	-25.59	
261.0	0.62	158.65	261.0	2.1	-2.1	0.0	0.27	-0.26	6.35	
291.0	0.83	174.87	291.0	2.5	-2.5	0.0	0.97	0.70	54.07	
322.0	0.88	151.67	322.0	2.9	-2.9	0.2	1.12	0.16	-74.84	
353.0	0.92	151.93	353.0	3.3	-3.3	0.4	0.13	0.13	0.84	
383.0	0.93	147.11	383.0	3.7	-3.8	0.6	0.26	0.03	-16.07	
414.0	0.75	159.84	414.0	4.1	-4.2	0.9	0.83	-0.58	41.06	
445.0	0.92	145.12	445.0	4.4	-4.6	1.1	0.88	0.55	-47.48	
475.0	0.83	163.05	475.0	4.8	-5.0	1.3	0.96	-0.30	59.77	
506.0	0.92	141.12	506.0	5.2	-5.4	1.5	1.11	0.29	-70.74	
536.0	0.70	171.97	536.0	5.6	-5.7	1.7	1.60	-0.73	102.83	
567.0	0.57	193.59	567.0	5.9	-6.1	1.7	0.87	-0.42	69.74	
597.0	0.75	217.19	597.0	6.2	-6.4	1.5	1.07	0.60	78.67	
627.0	0.75	236.66	627.0	6.5	-6.6	1.2	0.85	0.00	64.90	
657.0	0.79	250.41	656.9	6.7	-6.8	0.9	0.63	0.13	45.83	
688.0	0.57	254.01	687.9	6.9	-6.9	0.5	0.72	-0.71	11.61	
718.0	0.62	262.89	717.9	6.9	-7.0	0.2	0.35	0.17	29.60	

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Design:	Actual	Database:	MasterDB

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	
749.0	0.79	247.60	748.9	7.1	-7.1	-0.2	0.81	0.55	-49.32	
780.0	0.88	256.61	779.9	7.3	-7.2	-0.6	0.51	0.29	29.06	
809.0	1.10	228.83	808.9	7.5	-7.5	-1.0	1.80	0.76	-95.79	
840.0	2.11	210.64	839.9	8.3	-8.2	-1.5	3.61	3.26	-58.68	
883.0	3.69	191.68	882.9	10.4	-10.2	-2.2	4.25	3.67	-44.09	
925.0	5.41	184.80	924.7	13.7	-13.5	-2.7	4.29	4.10	-16.38	
968.0	6.46	187.04	967.5	18.1	-17.9	-3.1	2.50	2.44	5.21	
1,010.0	7.29	188.76	1,009.2	23.2	-22.9	-3.8	2.04	1.98	4.10	
1,053.0	8.24	189.23	1,051.8	29.0	-28.6	-4.7	2.21	2.21	1.09	
1,096.0	9.30	188.42	1,094.3	35.5	-35.1	-5.7	2.48	2.47	-1.88	
1,139.0	10.59	186.34	1,136.7	42.9	-42.5	-6.7	3.11	3.00	-4.84	
1,182.0	11.82	186.60	1,178.8	51.3	-50.8	-7.6	2.86	2.86	0.60	
1,224.0	12.52	187.22	1,219.9	60.1	-59.6	-8.7	1.70	1.67	1.48	
1,267.0	13.62	185.99	1,261.8	69.9	-69.2	-9.8	2.64	2.56	-2.86	
1,309.0	13.93	187.44	1,302.6	79.9	-79.2	-11.0	1.10	0.74	3.45	
1,352.0	14.77	185.99	1,344.2	90.5	-89.7	-12.2	2.12	1.95	-3.37	
1,395.0	15.42	184.10	1,385.7	101.7	-100.9	-13.2	1.90	1.51	-4.40	
1,437.0	15.51	183.83	1,426.2	112.9	-112.1	-14.0	0.27	0.21	-0.64	
1,480.0	14.99	185.42	1,467.7	124.2	-123.3	-14.9	1.55	-1.21	3.70	
1,523.0	14.68	184.45	1,509.3	135.2	-134.3	-15.8	0.92	-0.72	-2.26	
1,566.0	14.41	183.31	1,550.9	146.0	-145.1	-16.6	0.92	-0.63	-2.65	
1,608.0	14.19	183.09	1,591.6	156.4	-155.4	-17.1	0.54	-0.52	-0.52	
1,651.0	14.37	182.65	1,633.3	167.0	-166.0	-17.7	0.49	0.42	-1.02	
1,670.0	14.77	181.90	1,651.7	171.7	-170.8	-17.9	2.33	2.11	-3.95	
1,744.0	14.91	182.62	1,723.2	190.7	-189.7	-18.6	0.31	0.19	0.97	
1,829.0	15.69	181.50	1,805.2	213.0	-212.2	-19.4	0.98	0.92	-1.32	
1,915.0	15.29	185.46	1,888.1	236.0	-235.1	-20.8	1.31	-0.47	4.60	

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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)	
2,000.0	16.21	184.93	1,969.9	259.0	-258.1	-22.9	1.10	1.08	-0.62	
2,086.0	15.56	185.11	2,052.6	282.6	-281.5	-24.9	0.76	-0.76	0.21	
2,171.0	14.77	183.70	2,134.6	304.8	-303.7	-26.6	1.03	-0.93	-1.66	
2,256.0	14.99	186.07	2,216.8	326.6	-325.4	-28.5	0.76	0.26	2.79	
2,341.0	15.56	183.57	2,298.8	349.0	-347.7	-30.4	1.02	0.67	-2.94	
2,427.0	14.85	183.44	2,381.8	371.6	-370.2	-31.8	0.83	-0.83	-0.15	
2,512.0	15.60	184.27	2,463.8	393.9	-392.5	-33.3	0.92	0.88	0.98	
2,598.0	15.07	183.39	2,546.7	416.6	-415.2	-34.8	0.67	-0.62	-1.02	
2,684.0	15.86	182.60	2,629.6	439.5	-438.1	-36.0	0.95	0.92	-0.92	
2,769.0	16.39	184.93	2,711.2	463.1	-461.6	-37.5	0.98	0.62	2.74	
2,854.0	15.86	185.94	2,792.9	486.7	-485.1	-39.8	0.71	-0.62	1.19	
2,940.0	15.12	184.98	2,875.8	509.7	-508.0	-42.0	0.91	-0.86	-1.12	
3,025.0	16.00	182.82	2,957.7	532.5	-530.8	-43.5	1.24	1.04	-2.54	
3,111.0	15.78	182.65	3,040.4	556.0	-554.3	-44.6	0.26	-0.26	-0.20	
3,196.0	15.38	180.58	3,122.3	578.7	-577.1	-45.3	0.81	-0.47	-2.44	
3,282.0	15.82	181.86	3,205.1	601.8	-600.2	-45.8	0.65	0.51	1.49	
3,367.0	15.47	185.15	3,286.9	624.7	-623.1	-47.2	1.12	-0.41	3.87	
3,453.0	15.24	184.28	3,369.9	647.5	-645.8	-49.0	0.38	-0.27	-1.01	
3,538.0	15.47	186.03	3,451.8	670.0	-668.2	-51.1	0.61	0.27	2.06	
3,623.0	14.46	185.90	3,534.0	691.9	-690.0	-53.3	1.19	-1.19	-0.15	
3,709.0	14.90	182.82	3,617.1	713.7	-711.7	-55.0	1.04	0.51	-3.58	
3,794.0	15.16	184.01	3,699.2	735.7	-733.7	-56.3	0.47	0.31	1.40	
3,880.0	15.50	186.50	3,782.2	758.5	-756.4	-58.4	0.86	0.40	2.90	
3,965.0	15.42	185.64	3,864.1	781.1	-778.9	-60.8	0.29	-0.09	-1.01	
4,051.0	14.47	184.21	3,947.2	803.3	-801.0	-62.7	1.18	-1.10	-1.66	
4,136.0	14.72	185.06	4,029.5	824.7	-822.4	-64.4	0.39	0.29	1.00	
4,221.0	12.83	184.05	4,112.0	844.9	-842.5	-66.0	2.24	-2.22	-1.19	

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4,306.0	12.37	183.43	4,195.0	863.5	-861.0	-67.3	0.56	-0.54	-0.73	
4,392.0	11.07	182.43	4,279.2	880.9	-878.5	-68.2	1.53	-1.51	-1.16	
4,477.0	9.29	184.65	4,362.8	895.9	-893.5	-69.1	2.14	-2.09	2.61	
4,562.0	7.21	190.47	4,446.9	908.1	-905.6	-70.6	2.63	-2.45	6.85	
4,648.0	4.91	186.73	4,532.5	917.2	-914.5	-72.0	2.71	-2.67	-4.35	
4,733.0	3.21	181.64	4,617.2	923.2	-920.5	-72.5	2.04	-2.00	-5.99	
4,818.0	2.76	180.67	4,702.1	927.6	-924.9	-72.6	0.53	-0.53	-1.14	
4,904.0	2.59	177.90	4,788.0	931.6	-928.9	-72.5	0.25	-0.20	-3.22	
4,989.0	0.88	169.16	4,873.0	934.1	-931.5	-72.3	2.03	-2.01	-10.28	
5,075.0	0.75	139.58	4,959.0	935.1	-932.6	-71.9	0.51	-0.15	-34.40	
5,161.0	0.35	155.97	5,045.0	935.8	-933.3	-71.4	0.50	-0.47	19.06	
5,246.0	0.35	202.43	5,130.0	936.2	-933.7	-71.4	0.32	0.00	54.66	
5,332.0	0.39	294.99	5,216.0	936.4	-933.8	-71.7	0.62	0.05	107.63	
5,417.0	0.40	202.82	5,301.0	936.6	-934.0	-72.1	0.67	0.01	-108.44	
5,502.0	0.35	167.62	5,386.0	937.1	-934.5	-72.2	0.27	-0.06	-41.41	
5,588.0	0.57	173.46	5,472.0	937.8	-935.2	-72.1	0.26	0.26	6.79	
5,673.0	0.40	187.13	5,557.0	938.5	-935.9	-72.1	0.24	-0.20	16.08	
5,759.0	0.70	346.78	5,643.0	938.3	-935.7	-72.2	1.26	0.35	185.64	
5,844.0	1.23	323.58	5,727.9	937.1	-934.5	-72.9	0.76	0.62	-27.29	
5,929.0	1.10	321.19	5,812.9	935.9	-933.1	-73.9	0.16	-0.15	-2.81	
6,015.0	1.05	352.01	5,898.9	934.5	-931.7	-74.6	0.67	-0.06	35.84	
6,100.0	1.33	6.15	5,983.9	932.8	-929.9	-74.6	0.47	0.33	16.64	
6,186.0	1.80	14.16	6,069.9	930.4	-927.6	-74.1	0.60	0.55	9.31	
6,271.0	1.54	21.02	6,154.8	928.0	-925.3	-73.4	0.39	-0.31	8.07	
6,356.0	1.19	9.41	6,239.8	926.0	-923.3	-72.8	0.52	-0.41	-13.66	
6,442.0	0.48	112.86	6,325.8	925.2	-922.6	-72.4	1.61	-0.83	120.29	
6,527.0	0.31	120.90	6,410.8	925.4	-922.8	-71.8	0.21	-0.20	9.46	

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6,612.0	0.66	57.05	6,495.8	925.2	-922.7	-71.2	0.70	0.41	-75.12	
6,697.0	0.57	52.48	6,580.8	924.6	-922.2	-70.5	0.12	-0.11	-5.38	
6,783.0	0.44	298.27	6,666.8	924.2	-921.8	-70.4	0.99	-0.15	-132.80	
6,868.0	0.57	294.66	6,751.8	923.9	-921.4	-71.1	0.16	0.15	-4.25	
6,887.0	0.44	274.76	6,770.8	923.9	-921.4	-71.3	1.14	-0.68	-104.74	
Last PZD Survey										
6,942.0	0.44	274.76	6,825.8	923.9	-921.3	-71.7	0.00	0.00	0.00	
Straight Line Projection to TD										

Checked By: _____ Approved By: _____ Date: _____



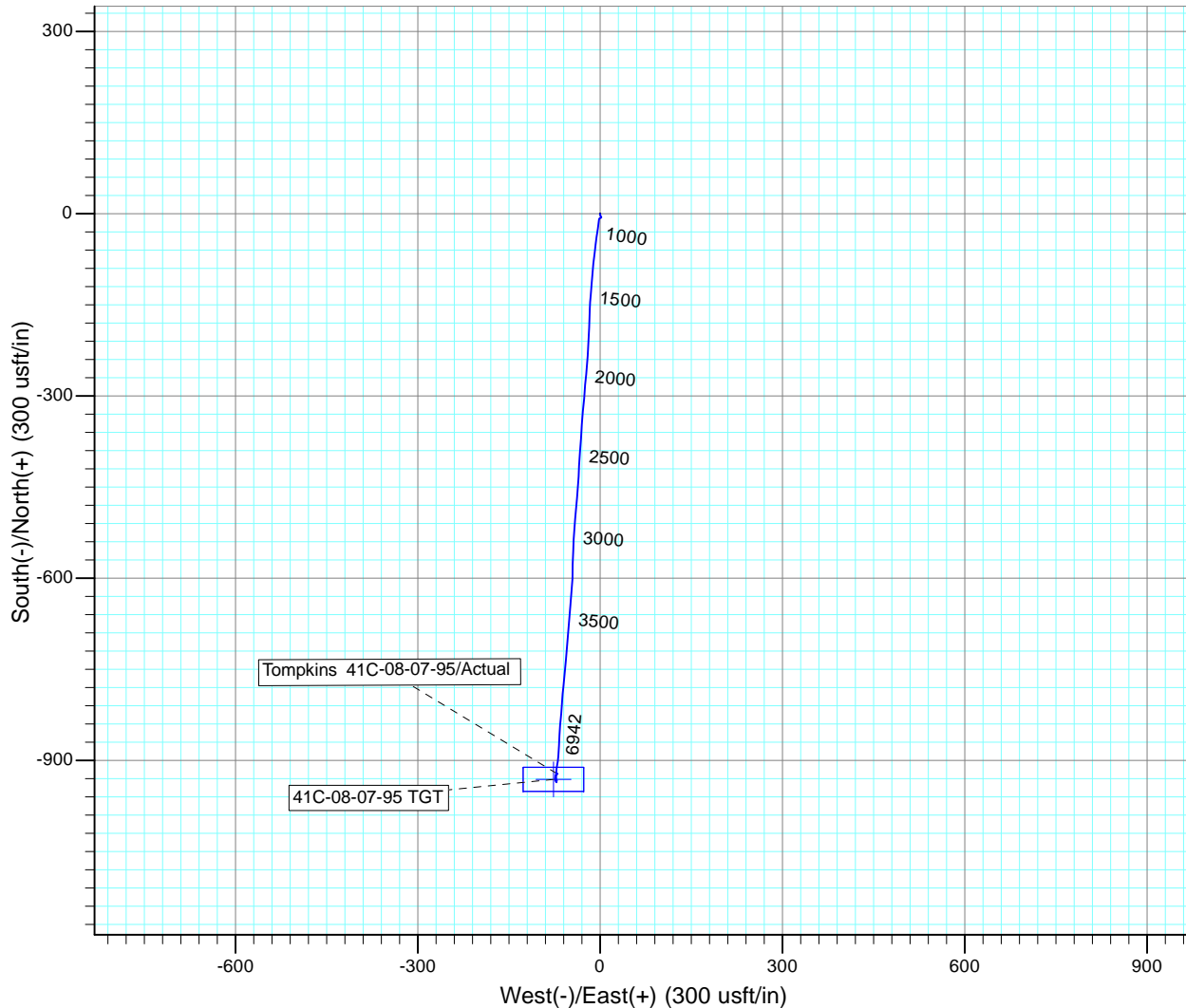
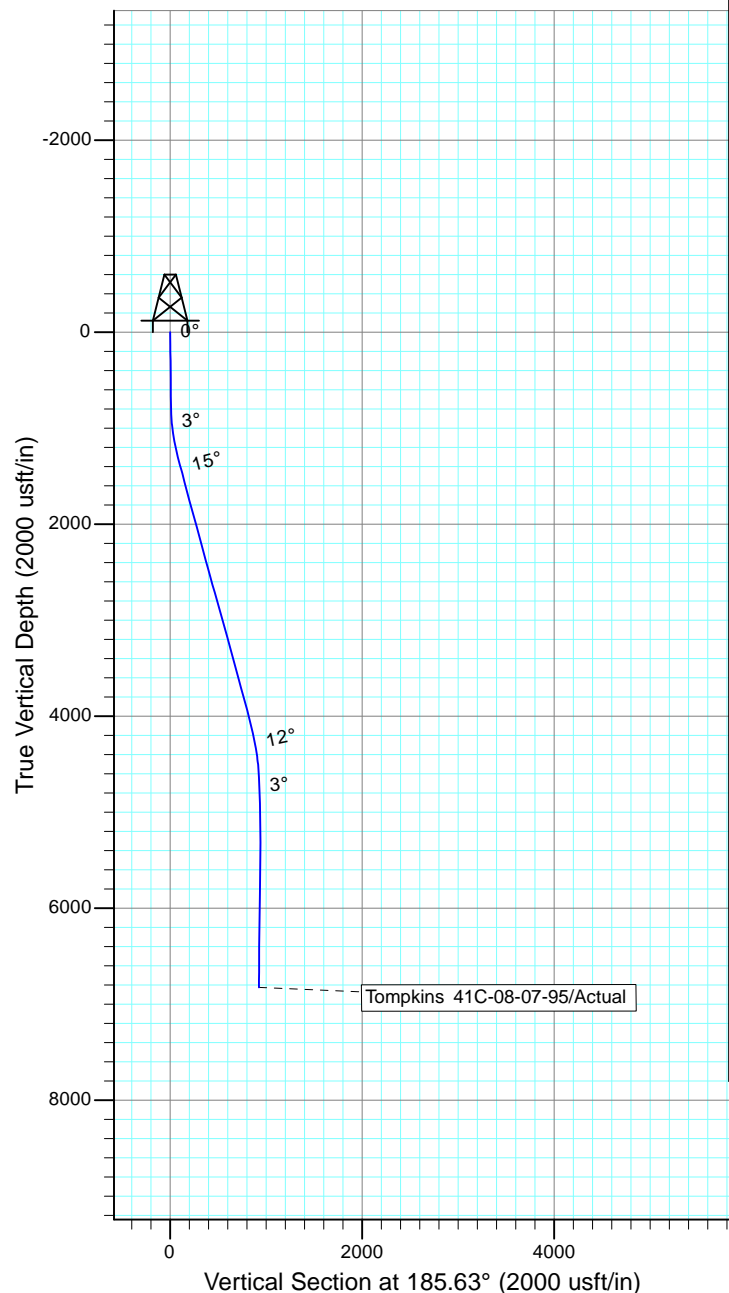
Project: Rockies Region
 Site: Tompkins
 Well: Tompkins 41C-08-07-95
 Wellbore: Wellbore #1
 SURVEY: Actual

FINAL SURVEY REPORT



Azimuths to True North
 Magnetic North: 9.84°

Magnetic Field
 Strength: 51662.6snT
 Dip Angle: 65.58°
 Date: 2/4/2016
 Model: IGRF2015



Design: Actual (Tompkins 41C-08-07-95/Wellbore #1)

Created By: Sarah Webb-Hudson Date: 7:21, June 29 2016
 THIS SURVEY IS CORRECT TO THE BEST OF MY KNOWLEDGE AND IS
 SUPPORTED BY ACTUAL FIELD DATA.



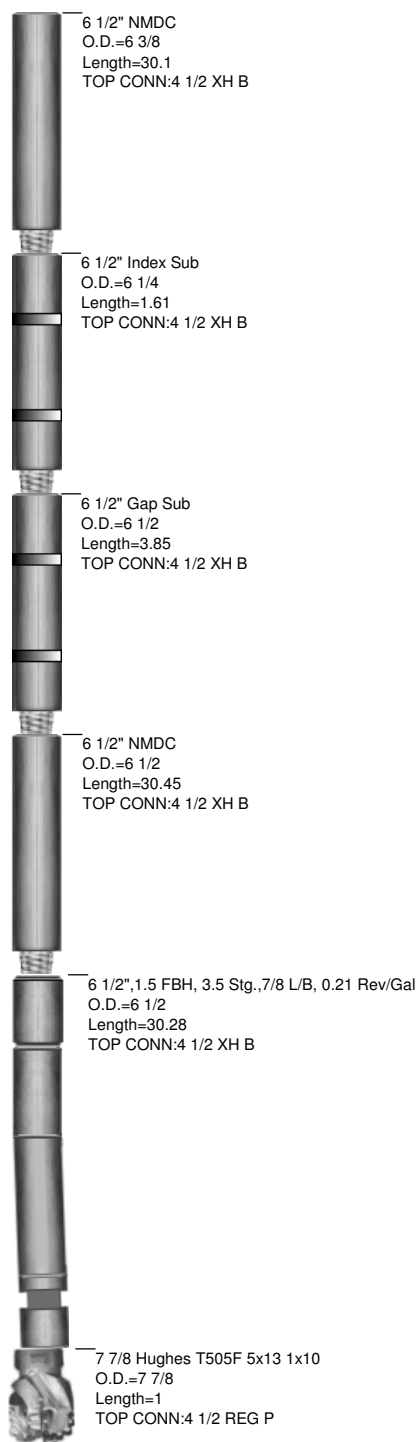
Well Information

BHA #

1

JOB NO.:	CO16525	FIELD:	Battlement Mesa
Company:	URSA Resources	Township:	7S
LOCATION:	Tompkins Pad	SECT/RANGE:	8
RIG NAME:	Capstar 321		95W
STATE:	CO		
COUNTY:	Garfield	BHA TYPE	Steerable Assembly
WELL NAME:	Tompkins 41C-08-07-95		

Hold 15.33° INC. @ 184.73° AZI. to 4216' TVD then drop to vertical 3.5°/100' & stay in target to TD.





JOB NO.: CO16525
Company: URSA Resources
LOCATION: Tompkins Pad
RIG NAME: Capstar 321
STATE: CO
COUNTY: Country
WELL NAME: Tompkins 41C-08-07-95

FIELD: Battlement Mesa
Township: 7S
Range 95W

MOTOR INFORMATION

Desc: FBH 1.5,7/8 L/B, 3.5 Stg.,0.21 Rev/Gal
Bent Hsg/Sub: 1.5 / 1.5 **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	22-Jun	Drilling	15:30	15:42	0.20	1730	1799	69	8	345.0	30	5000	348	950		15.41	181.88	0.98	
1	22-Jun	Sliding	15:47	15:56	0.15	1799	1807	8	15	53.3	0	5000	348	950	10R	15.49	181.78	0.98	
1	22-Jun	Drilling	15:56	16:22	0.43	1807	1884	77	19	177.7	45	8000	440	1500		15.43	184.01	1.31	
1	22-Jun	Sliding	16:25	16:29	0.07	1884	1890	6	25	90.0	0	8000	440	1500	60R	15.40	184.29	1.31	
1	22-Jun	Drilling	16:29	16:48	0.32	1890	1970	80	25	252.6	45	8000	440	1500		15.89	185.11	1.10	
1	22-Jun	Sliding	16:55	16:57	0.03	1970	1977	7	25	210.0	45	8000	440	1500	5R	15.96	185.07	1.10	
1	22-Jun	Drilling	16:57	17:15	0.30	1977	2055	78	25	260.0	45	8000	440	1500		15.79	185.04	0.76	
1	22-Jun	Drilling	17:20	17:46	0.43	2055	2141	86	25	198.5	45	8000	440	1500		15.05	184.21	1.03	
1	22-Jun	Drilling	17:51	18:11	0.33	2141	2226	85	25	255.0	45	8000	440	1500		14.91	185.24	0.76	
1	22-Jun	Sliding	18:18	18:21	0.05	2226	2238	12	25	240.0	45	8000	460	1500	15R	14.94	185.57	0.76	
1	22-Jun	Drilling	18:21	18:39	0.30	2238	2311	73	25	243.3	45	9000	460	1700		15.36	184.43	1.02	
1	22-Jun	Sliding	18:46	18:48	0.03	2311	2319	8	25	240.0	45	9000	460	1700	5L	15.41	184.20	1.02	
1	22-Jun	Drilling	18:48	19:07	0.32	2319	2396	77	25	243.2	45	9000	460	1700		15.11	183.49	0.83	
1	22-Jun	Drilling	19:12	19:33	0.35	2396	2482	86	25	245.7	45	9000	460	1700		15.33	183.99	0.92	
1	22-Jun	Sliding	19:38	19:43	0.08	2482	2494	12	25	144.0	45	9000	460	1700	10R	15.44	184.10	0.92	
1	22-Jun	Drilling	19:43	20:02	0.32	2494	2567	73	25	230.5	45	9000	460	1700		15.26	183.71	0.67	
1	22-Jun	Drilling	20:07	20:51	0.73	2567	2653	86	25	117.3	45	9000	460	1700		15.57	182.88	0.95	
1	22-Jun	Sliding	20:57	21:02	0.08	2653	2665	12	25	144.0	45	9000	460	1700	15R	15.69	182.77	0.95	
1	22-Jun	Drilling	21:02	21:24	0.37	2665	2739	74	25	201.8	45	9000	460	1700		16.20	184.12	0.98	
1	22-Jun	Sliding	21:31	21:34	0.05	2739	2747	8	25	160.0	45	9000	460	1700	35R	16.25	184.34	0.98	
1	22-Jun	Drilling	21:34	21:54	0.33	2747	2824	77	25	231.0	45	9500	460	1850		16.05	185.58	0.71	
1	22-Jun	Drilling	22:00	22:24	0.40	2824	2909	85	25	212.5	45	9500	460	1850		15.39	185.34	0.91	
1	22-Jun	Drilling	22:29	22:54	0.42	2909	2995	86	25	206.4	45	9500	460	1850		15.69	183.56	1.24	
1	22-Jun	Drilling	23:00	23:29	0.48	2995	3080	85	25	175.9	45	9500	460	1850		15.86	182.71	0.26	
1	22-Jun	Drilling	23:34	24:00	0.43	3080	3166	86	25	198.5	45	9500	460	1850		15.52	181.32	0.81	
1	23-Jun	Drilling	00:04	00:31	0.45	3166	3251	85	25	188.9	45	9500	460	1850		15.66	181.41	0.65	

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	23-Jun	Sliding	00:37	00:45	0.13	3251	3261	10	25	75.0	45	9500	460	1850	50R	15.71	181.55	0.65	
1	23-Jun	Drilling	00:45	01:14	0.48	3261	3337	76	25	157.2	45	9500	460	1850		15.59	183.97	1.12	
1	23-Jun	Sliding	01:21	01:28	0.12	3337	3345	8	25	68.6	45	9500	460	1850	80R	15.56	184.28	1.12	
1	23-Jun	Drilling	01:28	02:00	0.53	3345	3422	77	25	144.4	45	9500	460	1850		15.32	184.60	0.38	
1	23-Jun	Drilling	02:05	02:50	0.75	3422	3508	86	25	114.7	45	9500	460	1850		15.39	185.42	0.61	
1	23-Jun	Sliding	02:56	03:08	0.20	3508	3518	10	25	50.0	45	9500	460	1850	55R	15.41	185.62	0.61	
1	23-Jun	Drilling	03:08	03:40	0.53	3518	3593	75	25	140.6	45	10000	460	1900		14.82	185.95	1.19	
1	23-Jun	Drilling	03:45	04:17	0.53	3593	3678	85	25	159.4	45	10000	460	1900		14.74	183.91	1.04	
1	23-Jun	Sliding	04:26	04:33	0.12	3678	3691	13	25	111.4	45	10000	460	1900	0G	14.80	183.45	1.04	
1	23-Jun	Drilling	04:33	04:58	0.42	3691	3764	73	25	175.2	45	10000	460	1900		15.07	183.59	0.47	
1	23-Jun	Sliding	05:02	05:15	0.22	3764	3772	8	25	36.9	0	10000	460	1900	40R	15.09	183.71	0.47	
1	23-Jun	Drilling	05:15	05:47	0.53	3772	3849	77	25	144.4	45	10000	460	1900		15.37	185.61	0.86	
1	23-Jun	Sliding	05:51	06:04	0.22	3849	3857	8	25	36.9	0	10000	460	1900	30R	15.41	185.84	0.86	
1	23-Jun	Drilling	06:04	06:40	0.60	3857	3935	78	25	130.0	45	10000	460	1900		15.45	185.94	0.29	
1	23-Jun	Sliding	06:45	06:53	0.13	3935	3941	6	25	45.0	0	10000	460	1900	10R	15.44	185.88	0.29	
1	23-Jun	Drilling	06:53	07:23	0.50	3941	4020	79	25	158.0	45	10000	460	1900		14.81	184.75	1.18	
1	23-Jun	Drilling	07:28	07:43	0.25	4020	4063	43	25	172.0	45	10000	460	1900		14.51	184.33	0.39	
1	23-Jun	Sliding	07:48	08:02	0.23	4063	4073	10	25	42.9	0	10000	460	1900	30R	14.53	184.43	0.39	
1	23-Jun	Drilling	08:02	08:18	0.27	4073	4106	33	25	123.8	45	10000	460	1900		14.63	184.76	0.39	
1	23-Jun	Drilling	08:25	08:40	0.25	4106	4148	42	25	168.0	45	10000	460	1900		14.45	184.93	2.24	
1	23-Jun	Drilling	08:45	09:16	0.52	4148	4191	43	28	83.2	45	10000	460	1900		13.50	184.44	2.24	
1	23-Jun	Drilling	09:21	10:08	0.78	4191	4276	85	28	108.5	45	10000	460	1900		12.53	183.65	0.56	
1	23-Jun	Sliding	10:13	10:28	0.25	4276	4285	9	25	36.0	0	10000	460	1900	50R	12.48	183.59	0.56	
1	23-Jun	Drilling	10:28	11:03	0.58	4285	4361	76	28	130.3	45	10000	460	1900		11.54	182.82	1.53	
1	23-Jun	Drilling	11:08	11:25	0.28	4361	4404	43	28	151.8	45	10000	460	1900		10.82	182.70	2.14	
1	23-Jun	Sliding	11:30	11:40	0.17	4404	4416	12	25	72.0	0	10000	460	1900	150R	10.57	182.98	2.14	
1	23-Jun	Drilling	11:40	11:50	0.17	4416	4447	31	28	186.0	45	10000	460	1900		9.92	183.78	2.14	
1	23-Jun	Drilling	11:54	12:11	0.28	4447	4489	42	28	148.2	45	10000	460	1900		8.99	185.31	2.63	
1	23-Jun	Sliding	12:16	12:35	0.32	4489	4504	15	25	47.4	0	10000	460	1900	150R	8.62	186.20	2.63	
1	23-Jun	Drilling	12:35	12:43	0.13	4504	4532	28	28	210.0	45	10000	460	1900		7.93	188.07	2.63	
1	23-Jun	Drilling	12:48	13:07	0.32	4532	4575	43	28	135.8	45	10000	460	1900		6.86	190.07	2.71	
1	23-Jun	Drilling	13:10	13:33	0.38	4575	4617	42	28	109.6	45	10000	460	1900		5.74	188.42	2.71	
1	23-Jun	Sliding	13:38	13:56	0.30	4617	4632	15	25	50.0	0	10000	460	1900	200M	5.34	187.67	2.71	
1	23-Jun	Drilling	13:56	14:35	0.65	4632	4703	71	28	109.2	45	10000	460	1900		3.81	183.95	2.04	
1	23-Jun	Sliding	14:40	14:58	0.30	4703	4719	16	25	53.3	0	10000	443	1500	200M	3.49	182.82	2.04	

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	23-Jun	Drilling	14:58	15:40	0.70	4719	4788	69	28	98.6	45	10000	460	1500		2.92	181.05	0.53	
1	23-Jun	Drilling	15:47	17:08	1.35	4788	4873	85	28	63.0	45	10000	460	1500		2.65	178.94	0.25	
1	23-Jun	Drilling	17:40	18:29	0.82	4873	4959	86	28	105.3	45	10000	460	1500		1.48	174.55	2.03	
1	23-Jun	Sliding	18:34	18:57	0.38	4959	4977	18	25	47.0	45	10000	443	1500	180M	1.12	172.01	2.03	
1	23-Jun	Drilling	18:57	19:40	0.72	4977	5044	67	28	93.5	45	10000	460	1500		0.77	151.29	0.51	
1	23-Jun	Drilling	19:45	20:56	1.18	5044	5130	86	28	72.7	45	10000	460	1500		0.49	147.00	0.50	
1	23-Jun	Drilling	21:05	22:26	1.35	5130	5216	86	28	63.7	45	10000	460	1500		0.32	186.40	0.32	
1	23-Jun	Drilling	22:31	23:20	0.82	5216	5301	85	28	104.1	45	10000	460	1500		0.27	267.65	0.62	
1	23-Jun	Drilling	23:26	24:00	0.57	5301	5359	58	28	102.4	45	10000	460	1500		0.29	269.08	0.67	
1	24-Jun	Drilling	00:00	00:15	0.25	5359	5387	28	28	112.0	45	10000	460	1500		0.29	231.29	0.67	
1	24-Jun	Drilling	00:20	01:09	0.82	5387	5472	85	28	104.1	45	10000	460	1500		0.35	181.01	0.27	
1	24-Jun	Drilling	01:15	02:03	0.80	5472	5557	85	28	106.3	45	10000	460	1500		0.49	171.96	0.26	
1	24-Jun	Drilling	02:08	03:00	0.87	5557	5643	86	28	99.2	45	10000	460	1500		0.46	181.16	0.24	
1	24-Jun	Drilling	03:06	03:51	0.75	5643	5728	85	28	113.3	45	10000	460	1500		0.32	337.66	1.26	
1	24-Jun	Sliding	03:59	04:17	0.30	5728	5744	16	25	53.3	45	10000	460	1500	360M	0.51	344.07	1.26	
1	24-Jun	Drilling	04:17	05:00	0.72	5744	5814	70	28	97.7	45	11000	460	2100		1.03	329.02	0.76	
1	24-Jun	Drilling	05:05	06:00	0.92	5814	5899	85	28	92.7	45	11000	460	2100		1.15	322.10	0.16	
1	24-Jun	Drilling	06:05	07:05	1.00	5899	5984	85	28	85.0	45	11000	460	2100		1.01	345.87	0.84	
1	24-Jun	Drilling	07:09	08:03	0.90	5984	6074	90	28	100.0	45	11000	460	2100		1.24	4.60	0.36	
1	24-Jun	Drilling	08:08	08:55	0.78	6074	6155	81	28	103.4	45	11000	460	2100		1.63	11.81	0.60	
1	24-Jun	Drilling	09:00	09:44	0.73	6155	6241	86	28	117.3	45	11000	460	2100		1.63	18.35	0.39	
1	24-Jun	Drilling	09:48	10:35	0.78	6241	6326	85	28	108.5	45	11000	460	2100		1.31	14.21	0.52	
1	24-Jun	Drilling	10:42	11:30	0.80	6326	6411	85	28	106.3	45	11000	460	2100		0.47	49.27	1.61	
1	24-Jun	Sliding	11:35	11:54	0.32	6411	6422	11	25	34.7	45	11000	460	2100	180M	0.41	71.34	1.61	
1	24-Jun	Drilling	11:54	12:30	0.60	6422	6497	75	28	125.0	45	11000	460	2100		0.37	117.22	0.21	
1	24-Jun	Drilling	12:36	13:37	1.02	6497	6582	85	28	83.6	45	11000	460	2100		0.49	68.73	0.70	
1	24-Jun	Drilling	13:42	14:43	1.02	6582	6667	85	28	83.6	45	11000	460	2100		0.60	54.25	0.12	
1	24-Jun	Drilling	14:48	15:42	0.90	6667	6753	86	28	95.6	45	11000	460	2100		0.27	339.77	0.99	
1	24-Jun	Drilling	15:47	16:49	1.03	6753	6838	85	28	82.3	45	11000	460	2100		0.52	295.73	0.16	
1	24-Jun	Drilling	16:54	17:48	0.90	6838	6879	41	28	45.6	45	11000	460	2100		0.49	284.41	1.14	
1	24-Jun	Drilling	18:04	19:00	0.93	6879	6923	44	28	47.1	45	11000	460	2100		0.44	274.76	0.00	
1	24-Jun	Drilling	19:06	20:13	1.12	6923	6942	19	28	17.0	45	11000	460	2100		0.44	274.76	0.00	

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
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Total Drilled: 5212 **Avg. Total ROP:** 110.97 **DEPTH% - TIME %**

Total Rotary Drilled: 4954 **Avg. Rotary ROP:** 115.97 **Percent Rotary:** 95.05 - 90.95

Total Drilled Sliding: 258 **Avg. Slide ROP:** 60.71 **Percent Slide:** 4.95 - 9.05



JOB NO.:	CO16525
Company:	URSA Resources
LOCATION:	Tompkins Pad
RIG NAME:	Capstar 321
STATE:	CO
COUNTY:	USA
WELL NAME:	Tompkins 41C-08-07-95

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

Tool Utilization Report

Bits

7160349 - 7 7/8 Hughes T505F 5x13 1x10

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled
1	41.80	4.25	47.68	47.75	62.50	5,212.00
1	41.80	4.25	47.68	47.75	62.50	5,212.00
1	41.80	4.25	47.68	47.75	62.50	5,212.00

<< Summary for 7160349

<< Summary for Bits

DC

DD650-005 - 6 1/2" NMDC

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled
1	41.80	4.25	47.68	47.75	62.50	5,212.00
1	41.80	4.25	47.68	47.75	62.50	5,212.00

<< Summary for DD650-005

DD650-022 - 6 1/2" NMDC

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled
1	41.80	4.25	47.68	47.75	62.50	5,212.00
1	41.80	4.25	47.68	47.75	62.50	5,212.00
2	83.60	8.50	95.37	95.50	125.00	10,424.00

<< Summary for DD650-022

<< Summary for DC

Motors

6055 - 6 1/2", 1.5 FBH, 3.5 Stg., 7/8 L/B, 0.21 Rev/Gal

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled
1	41.80	4.25	47.68	47.75	62.50	5,212.00
1	41.80	4.25	47.68	47.75	62.50	5,212.00
1	41.80	4.25	47.68	47.75	62.50	5,212.00

<< Summary for 6055

<< Summary for Motors

MWD

Tool Utilization Report

PZDGS609 - 6 1/2" Gap Sub

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled
1	41.80	4.25	47.68	47.75	62.50	5,212.00
1	41.80	4.25	47.68	47.75	62.50	5,212.00

<< Summary for PZDGS609

PZDIS601 - 6 1/2" Index Sub

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled
1	41.80	4.25	47.68	47.75	62.50	5,212.00
1	41.80	4.25	47.68	47.75	62.50	5,212.00
2	83.60	8.50	95.37	95.50	125.00	10,424.00

<< Summary for PZDIS601

<< Summary for MWD



JOB NO.: CO16525
Company: URSA Resources
LOCATION: Tompkins Pad
RIG NAME: Capstar 321
STATE: CO
COUNTY: Garfield
WELL NAME: Tompkins 41C-08-07-95

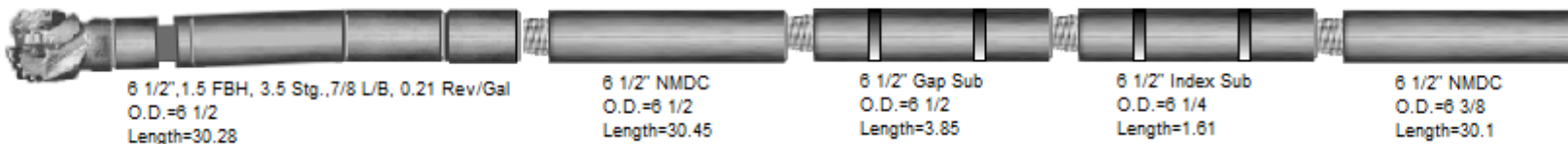
FIELD: Battlement Mesa
Township: 7S
SECT\ RANGE: 8 95W

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	22-Jun-16 @ 13:00	25-Jun-16 @ 03:30	62.50	1730.0	6942.0	4954.0	258.0	5212.0	113.18	118.5	60.7	0-45	348-460	.0	.0	.0	.0	55-125	62-160	60-135
				Hours>		41.80	4.25	46.05												

7 7/8 Hughes T505F 5x13 1x10
 O.D.=7 7/8
 Length=1





Well Information

BHA # 1

JOB NO.: CO16525
Company: URSA Resources
LOCATION: Tompkins Pad
RIG NAME: Capstar 321
STATE: CO
COUNTY: Garfield

FIELD: Battlement Mesa
Township: 7S
SECT. RANGE: 8 95W
Lead DD: Kyle Sizemore
Co. Man: Richard McNeill
BHA TYPE: Steerable Assembly

WELL NAME: Tompkins 41C-08-07-95

BHA Summary Information

TIME IN - OUT			Rotary Hours		42.72		Start Depth		1730.00		RPM	Flow	
Start Time		End Time	Circ Hrs Tot/Only		48.47 / 1.50		End Depth		6942.00		Range	Rate	
22-Jun-16 @ 13:00		25-Jun-16 @ 03:30		Slide Hours		4.25		Percent Rotary:		95.05		0 -45	348 -460
				Below Rotary Hrs.		62.50		Percent Slide:		4.95			
Total Drilled:			5212.00		Avg. Total ROP:		110.97		Incl.		Azimuth		
Total Rotary Drilled:			4954.00		Avg. Rotary ROP:		115.97		IN	OUT	IN	OUT	
Total Drilled Sliding:			258.00		Avg. Slide ROP:		60.71		.0	.0	.00	.00	
SPP	950 -2100	Weights	SO	55 -125	PU	62 -160	RAB	60 -135	Reason POOH		PR		

Bit Data								MOTOR DATA						Mud Data							
BAKER		7 7/8 Hughes T505F 5x13 1x10						FBH 1.5,7/8 L/B, 3.5 Stg.,0.21 Rev/Gal						Type	Gel/Chem						
Type Bit				PDC				Model: Arrow						Pad OD		WT 9.5		GAS 0		Solids 6.6	
TFA		0.724						MFG. Hunting						6 3/4		Vis 44		SAND 0.15		T ° 147	
JETS			13	13	13	13	13	Bend ° 1.5						Stator/Rotor 7/8		PV 14		PH 9.6		Chlor 1100	
			10	0	0	0	0	Bit to Bend 6						Motor Diff		YP 10		WL 6.6		Oil % 0	
Bit Coding				IADC#				Rev/GAL 0.21										BHT °		0	
IR	OR	DL	Loc	BS	G	ODL		NB Stab 0						PUMPS		PUMP1		PUMP1			
8	8	RG	N	X	1	RO		Rotor Jet 7.3						NAME		Gardner Denver		Gardner Denver			
Bit Drop:			353 PSI @ 460 GPM				Sensor Offsets						Model		PZ-9		PZ-9				
Comments				Sensor	55	Sonic	0							Type		Triplex		Triplex			
				Gamma	0	DNCS	1730							Liner		6.50		6.50			
				Restiv	0	GYRO	0							Stroke		9.00		9.00			
										Efficiency		95.00		95.00							

Hold 15.33° INC. @ 184.73° AZI. to 4216' 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	7 7/8 Hughes T505F 5x13 1x10	7160349		7 7/8	1.00	1.00	4 1/2 REGP
2	6 1/2",1.5 FBH, 3.5 Stg.,7/8 L/B, 0.21 Rev/Gal	6055		6 1/2	30.28	31.28	4 1/2 XHB
3	6 1/2" NMDC	DD650-022	2 3/8	6 1/2	30.45	61.73	4 1/2 XHB
4	6 1/2" Gap Sub	PZDGS609	2 15/16	6 1/2	3.85	65.58	4 1/2 XHB
5	6 1/2" Index Sub	PZDIS601	2 7/8	6 1/4	1.61	67.19	4 1/2 XHB
6	6 1/2" NMDC	DD650-005	2 3/8	6 3/8	30.10	97.29	4 1/2 XHB

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

6 1/2" Index Sub
O.D.=6 1/4
Length=1.61

6 1/2" Gap Sub
O.D.=6 1/2
Length=3.85

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

6 1/2",1.5 FBH, 3.5 Stg.,7/8 L/B, 0.21 Rev/Gal
O.D.=6 1/2
Length=30.28
FN=1.27

7 7/8 Hughes T505F 5x13 1x10
O.D.=7 7/8
Length=1



JOB NO.:	CO16525	Report Time:	2400	1 of 4
Company:	URSA Resources	API JOB #	05-045-22481-00	
LOCATION:	Tompkins Pad	WORK ORDER#	CO16525	
RIG NAME:	Capstar 321	FIELD:	Battlement Mesa	
STATE:	CO	Township:	7S	
COUNTY:	Garfield	SECT RANGE:	8	95W
WELL NAME:	Tompkins 41C-08-07-95			

From Wednesday, June 22, 2016 at 0000 to Wednesday, June 22, 2016 at 2400

DRILLING SUMMARY				Drilling Parameters						
Start Depth	1730.00	Rotary Hours	7.38	WOB	25	Pick UP	85	Slack Off	65	SPM
End Depth	3166.00	Circulating Hours	0.00	RAB	75	SPP	1850	FlowRate	0 - 460	125
Total Drilled:	1436.00	Avg. Total ROP:	181.01	Mud Data						
Total Rotary Drilled:	1363.00	Avg. Rotary ROP:	184.61	Type	Gel/Chem		PV	9	SOLID	3.6
Total Drilled Sliding:	73.00	Avg. Slide ROP:	132.73	Weight	8.9	GAS	0	YP	10	BHT °
Slide Hours:	0.55	Percent Rotary:	94.92	Viscosity	41	SAND	0.25	PH	10.5	Flow T °
Below Rotary Hrs.	13.92	Percent Slide:	5.08	Chlorides	900	WL	5.8	Oil %		0

PERSONNEL						CASING			BHA
Lead Directional :		Kyle Sizemore				Size	Lb/ft	Set Depth	BHA # 1:7 7/8 Hughes T505F 5x13 1x10, 6 1/2", 1.5 FBH, 3.5 Stg., 7/8 L/B, 0.21 Rev/Gal, 6 1/2" NMDC, 6 1/2" Gap Sub, 6 1/2" Index Sub, 6 1/2" NMDC,
Second Directional :		Stephen Pickering				8 5/8	24	1715	
MWD Operator1		Brian Gilchrist				Signature:			
MWD Operator2									
Directional Company:		Payzone							
Geologist:									
Company Man:		Richard Mcneill							
Incl. In:	0	Azm. In:	0	Incl. Out:	16	Azm. Out:	182.82		

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
22-Jun-16	00:00	01:00	1.00	1730	1730	Other	Skid Rig
22-Jun-16	01:00	07:30	6.50	1730	1730	N/U BOPS	N/U BOPS
22-Jun-16	07:30	11:05	3.58	1730	1730	Test BOPS	Test BOPS
22-Jun-16	11:05	11:30	0.42	1730	1730	Other	Load and strap BHA
22-Jun-16	11:30	12:30	1.00	1730	1730	Other	Level Derrick
22-Jun-16	12:30	13:00	0.50	1730	1730	Change BHA	Pick up BHA #1
22-Jun-16	13:00	14:35	1.58	1730	1730	TIH	TIH
22-Jun-16	14:35	15:30	0.92	1730	1730	Drilling Cement	Drill CMT & FLT EQ 1675-1730
22-Jun-16	15:30	15:42	0.20	1730	1799	Drilling	
22-Jun-16	15:42	15:47	0.08	1799	1799	Survey & Conn.	Survey & Conn.@1744' Inc 14.91° Azm 182.62°
22-Jun-16	15:47	15:56	0.15	1799	1807	Sliding	
22-Jun-16	15:56	16:22	0.43	1807	1884	Drilling	Drilling - (WOB:19;GPM :440;RPM:45)
22-Jun-16	16:22	16:25	0.05	1884	1884	Survey & Conn.	Survey & Conn.@1829' Inc 15.69° Azm 181.5°
22-Jun-16	16:25	16:29	0.07	1884	1890	Sliding	Sliding - (WOB:25;GPM :348;TFO:60R))
22-Jun-16	16:29	16:48	0.32	1890	1970	Drilling	Drilling - (WOB:25;GPM :440;RPM:45)
22-Jun-16	16:48	16:55	0.12	1970	1970	Survey & Conn.	Survey & Conn.@1915' Inc 15.29° Azm 185.46°
22-Jun-16	16:55	16:57	0.03	1970	1977	Sliding	Sliding - (WOB:25;GPM :440;TFO:5R))

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
22-Jun-16	16:57	17:15	0.30	1977	2055	Drilling	Drilling - (WOB:25;GPM :440;RPM:45)
22-Jun-16	17:15	17:20	0.08	2055	2055	Survey & Conn.	Survey & Conn.@2000' Inc 16.21° Azm 184.93°
22-Jun-16	17:20	17:46	0.43	2055	2141	Drilling	Drilling - (WOB:25;GPM :440;RPM:45)
22-Jun-16	17:46	17:51	0.08	2141	2141	Survey & Conn.	Survey & Conn.@2086' Inc 15.56° Azm 185.11°
22-Jun-16	17:51	18:11	0.33	2141	2226	Drilling	Drilling - (WOB:25;GPM :440;RPM:45)
22-Jun-16	18:11	18:18	0.12	2226	2226	Survey & Conn.	Survey & Conn.@2171' Inc 14.77° Azm 183.7°
22-Jun-16	18:18	18:21	0.05	2226	2238	Sliding	Sliding - (WOB:25;GPM :440;TFO:15R))
22-Jun-16	18:21	18:39	0.30	2238	2311	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
22-Jun-16	18:39	18:46	0.12	2311	2311	Survey & Conn.	Survey & Conn.@2256' Inc 14.99° Azm 186.07°
22-Jun-16	18:46	18:48	0.03	2311	2319	Sliding	Sliding - (WOB:25;GPM :460;TFO:5L))
22-Jun-16	18:48	19:07	0.32	2319	2396	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
22-Jun-16	19:07	19:12	0.08	2396	2396	Survey & Conn.	Survey & Conn.@2341' Inc 15.56° Azm 183.57°
22-Jun-16	19:12	19:33	0.35	2396	2482	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
22-Jun-16	19:33	19:38	0.08	2482	2482	Survey & Conn.	Survey & Conn.@2427' Inc 14.85° Azm 183.44°
22-Jun-16	19:38	19:43	0.08	2482	2494	Sliding	Sliding - (WOB:25;GPM :460;TFO:10R))
22-Jun-16	19:43	20:02	0.32	2494	2567	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
22-Jun-16	20:02	20:07	0.08	2567	2567	Survey & Conn.	Survey & Conn.@2512' Inc 15.6° Azm 184.27°
22-Jun-16	20:07	20:51	0.73	2567	2653	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
22-Jun-16	20:51	20:57	0.10	2653	2653	Survey & Conn.	Survey & Conn.@2598' Inc 15.07° Azm 183.39°
22-Jun-16	20:57	21:02	0.08	2653	2665	Sliding	Sliding - (WOB:25;GPM :460;TFO:15R))
22-Jun-16	21:02	21:24	0.37	2665	2739	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
22-Jun-16	21:24	21:31	0.12	2739	2739	Survey & Conn.	Survey & Conn.@2684' Inc 15.86° Azm 182.6°
22-Jun-16	21:31	21:34	0.05	2739	2747	Sliding	Sliding - (WOB:25;GPM :460;TFO:35R))
22-Jun-16	21:34	21:54	0.33	2747	2824	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
22-Jun-16	21:54	22:00	0.10	2824	2824	Survey & Conn.	Survey & Conn.@2769' Inc 16.39° Azm 184.93°
22-Jun-16	22:00	22:24	0.40	2824	2909	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
22-Jun-16	22:24	22:29	0.08	2909	2909	Survey & Conn.	Survey & Conn.@2854' Inc 15.86° Azm 185.94°
22-Jun-16	22:29	22:54	0.42	2909	2995	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
22-Jun-16	22:54	23:00	0.10	2995	2995	Survey & Conn.	Survey & Conn.@2940' Inc 15.12° Azm 184.98°
22-Jun-16	23:00	23:29	0.48	2995	3080	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
22-Jun-16	23:29	23:34	0.08	3080	3080	Survey & Conn.	Survey & Conn.@3025' Inc 16° Azm 182.82°
22-Jun-16	23:34	24:00	0.43	3080	3166	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)



JOB NO.:	CO16525	Report Time:	2400	2 of 4
Company:	URSA Resources	API JOB #	05-045-22481-00	
LOCATION:	Tompkins Pad	WORK ORDER#	CO16525	
RIG NAME:	Capstar 321	FIELD:	Battlement Mesa	
STATE:	CO	Township:	7S	
COUNTY:	Garfield	SECT RANGE:	8	95W
WELL NAME:	Tompkins 41C-08-07-95			

From Thursday, June 23, 2016 at 0000 to Thursday, June 23, 2016 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	3166.00	Rotary Hours	17.70	WOB	28	Pick UP	125	Slack Off	98	SPM	
End Depth	5359.00	Circulating Hours	0.45	RAB	106	SPP	1500	FlowRate	443 - 460	120	
Total Drilled:	2193.00	Avg. Total ROP:	105.52	Mud Data							
Total Rotary Drilled:	2035.00	Avg. Rotary ROP:	114.97	Type	Gel/Chem			PV	12	SOLID	5.1
Total Drilled Sliding:	158.00	Avg. Slide ROP:	51.24	Weight	9.1	GAS	0	YP	14	BHT°	0
Slide Hours:	3.08	Percent Rotary:	92.80	Viscosity	48	SAND	0.15	PH	9.7	Flow T°	134
Below Rotary Hrs.	24.00	Percent Slide:	7.20	Chlorides	1100	WL	6.2		Oil %	0	
PERSONNEL				CASING				BHA			
Lead Directional :	Kyle Sizemore			Size	Lb/ft	Set Depth		BHA # 1:7 7/8 Hughes T505F 5x13 1x10, 6 1/2", 1.5 FBH, 3.5 Stg., 7/8 L/B, 0.21 Rev/Gal, 6 1/2" NMDC, 6 1/2" Gap Sub, 6 1/2" Index Sub, 6 1/2" NMDC,			
Second Directional :	Stephen Pickering			8 5/8	24	1715					
MWD Operator1	Brian Gilchrist			Signature:							
MWD Operator2											
Directional Company:	Payzone										
Geologist:											
Company Man:	Richard Mcneill										
Incl. In:	16	Azm. In:	182.82	Incl. Out:	0.35	Azm. Out:	202.43				

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
23-Jun-16	00:00	00:04	0.07	3166	3166	Survey & Conn.	Survey & Conn.@3111' Inc 15.78° Azm 182.65°
23-Jun-16	00:04	00:31	0.45	3166	3251	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
23-Jun-16	00:31	00:37	0.10	3251	3251	Survey & Conn.	Survey & Conn.@3196' Inc 15.38° Azm 180.58°
23-Jun-16	00:37	00:45	0.13	3251	3261	Sliding	Sliding - (WOB:25;GPM :460;TFO:50R))
23-Jun-16	00:45	01:14	0.48	3261	3337	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
23-Jun-16	01:14	01:21	0.12	3337	3337	Survey & Conn.	Survey & Conn.@3282' Inc 15.82° Azm 181.86°
23-Jun-16	01:21	01:28	0.12	3337	3345	Sliding	Sliding - (WOB:25;GPM :460;TFO:80R))
23-Jun-16	01:28	02:00	0.53	3345	3422	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
23-Jun-16	02:00	02:05	0.08	3422	3422	Survey & Conn.	Survey & Conn.@3367' Inc 15.47° Azm 185.15°
23-Jun-16	02:05	02:50	0.75	3422	3508	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
23-Jun-16	02:50	02:56	0.10	3508	3508	Survey & Conn.	Survey & Conn.@3453' Inc 15.24° Azm 184.28°
23-Jun-16	02:56	03:08	0.20	3508	3518	Sliding	Sliding - (WOB:25;GPM :460;TFO:55R))
23-Jun-16	03:08	03:40	0.53	3518	3593	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
23-Jun-16	03:40	03:45	0.08	3593	3593	Survey & Conn.	Survey & Conn.@3538' Inc 15.47° Azm 186.03°
23-Jun-16	03:45	04:17	0.53	3593	3678	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
23-Jun-16	04:17	04:26	0.15	3678	3678	Survey & Conn.	Survey & Conn.@3623' Inc 14.46° Azm 185.9°
23-Jun-16	04:26	04:33	0.12	3678	3691	Sliding	Sliding - (WOB:25;GPM :460;TFO:0G))

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
23-Jun-16	04:33	04:58	0.42	3691	3764	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
23-Jun-16	04:58	05:02	0.07	3764	3764	Survey & Conn.	Survey & Conn.@3709' Inc 14.9° Azm 182.82°
23-Jun-16	05:02	05:15	0.22	3764	3772	Sliding	Sliding - (WOB:25;GPM :460;TFO:40R))
23-Jun-16	05:15	05:47	0.53	3772	3849	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
23-Jun-16	05:47	05:51	0.07	3849	3849	Survey & Conn.	Survey & Conn.@3794' Inc 15.16° Azm 184.01°
23-Jun-16	05:51	06:04	0.22	3849	3857	Sliding	Sliding - (WOB:25;GPM :460;TFO:30R))
23-Jun-16	06:04	06:40	0.60	3857	3935	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
23-Jun-16	06:40	06:45	0.08	3935	3935	Survey & Conn.	Survey & Conn.@3880' Inc 15.5° Azm 186.5°
23-Jun-16	06:45	06:53	0.13	3935	3941	Sliding	Sliding - (WOB:25;GPM :460;TFO:10R))
23-Jun-16	06:53	07:23	0.50	3941	4020	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
23-Jun-16	07:23	07:28	0.08	4020	4020	Survey & Conn.	Survey & Conn.@3965' Inc 15.42° Azm 185.64°
23-Jun-16	07:28	07:43	0.25	4020	4063	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
23-Jun-16	07:43	07:48	0.08	4063	4063	Survey & Conn.	Survey & Conn.@3965' Inc 15.42° Azm 185.64°
23-Jun-16	07:48	08:02	0.23	4063	4073	Sliding	Sliding - (WOB:25;GPM :460;TFO:30R))
23-Jun-16	08:02	08:18	0.27	4073	4106	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
23-Jun-16	08:18	08:25	0.12	4106	4106	Survey & Conn.	Survey & Conn.@4051' Inc 14.47° Azm 184.21°
23-Jun-16	08:25	08:40	0.25	4106	4148	Drilling	Drilling - (WOB:25;GPM :460;RPM:45)
23-Jun-16	08:40	08:45	0.08	4148	4148	Survey & Conn.	Survey & Conn.@4051' Inc 14.47° Azm 184.21°
23-Jun-16	08:45	09:16	0.52	4148	4191	Drilling	Drilling - (WOB:28;GPM :460;RPM:45)
23-Jun-16	09:16	09:21	0.08	4191	4191	Survey & Conn.	Survey & Conn.@4136' Inc 14.72° Azm 185.06°
23-Jun-16	09:21	10:08	0.78	4191	4276	Drilling	Drilling - (WOB:28;GPM :460;RPM:45)
23-Jun-16	10:08	10:13	0.08	4276	4276	Survey & Conn.	Survey & Conn.@4221' Inc 12.83° Azm 184.05°
23-Jun-16	10:13	10:28	0.25	4276	4285	Sliding	Sliding - (WOB:25;GPM :460;TFO:50R))
23-Jun-16	10:28	11:03	0.58	4285	4361	Drilling	Drilling - (WOB:28;GPM :460;RPM:45)
23-Jun-16	11:03	11:08	0.08	4361	4361	Survey & Conn.	Survey & Conn.@4306' Inc 12.37° Azm 183.43°
23-Jun-16	11:08	11:25	0.28	4361	4404	Drilling	Drilling - (WOB:28;GPM :460;RPM:45)
23-Jun-16	11:25	11:30	0.08	4404	4404	Survey & Conn.	Survey & Conn.@4306' Inc 12.37° Azm 183.43°
23-Jun-16	11:30	11:40	0.17	4404	4416	Sliding	Sliding - (WOB:25;GPM :460;TFO:150R))
23-Jun-16	11:40	11:50	0.17	4416	4447	Drilling	Drilling - (WOB:28;GPM :460;RPM:45)
23-Jun-16	11:50	11:54	0.07	4447	4447	Survey & Conn.	Survey & Conn.@4392' Inc 11.07° Azm 182.43°
23-Jun-16	11:54	12:11	0.28	4447	4489	Drilling	Drilling - (WOB:28;GPM :460;RPM:45)
23-Jun-16	12:11	12:16	0.08	4489	4489	Survey & Conn.	Survey & Conn.@4392' Inc 11.07° Azm 182.43°
23-Jun-16	12:16	12:35	0.32	4489	4504	Sliding	Sliding - (WOB:25;GPM :460;TFO:150R))
23-Jun-16	12:35	12:43	0.13	4504	4532	Drilling	Drilling - (WOB:28;GPM :460;RPM:45)
23-Jun-16	12:43	12:48	0.08	4532	4532	Survey & Conn.	Survey & Conn.@4477' Inc 9.29° Azm 184.65°
23-Jun-16	12:48	13:07	0.32	4532	4575	Drilling	Drilling - (WOB:28;GPM :460;RPM:45)
23-Jun-16	13:07	13:10	0.05	4575	4575	Survey & Conn.	Survey & Conn.@4562' Inc 7.21° Azm 190.47°
23-Jun-16	13:10	13:33	0.38	4575	4617	Drilling	Drilling - (WOB:28;GPM :460;RPM:45)
23-Jun-16	13:33	13:38	0.08	4617	4617	Survey & Conn.	Survey & Conn.@4562' Inc 7.21° Azm 190.47°
23-Jun-16	13:38	13:56	0.30	4617	4632	Sliding	Sliding - (WOB:25;GPM :460;TFO:200M))
23-Jun-16	13:56	14:35	0.65	4632	4703	Drilling	Drilling - (WOB:28;GPM :460;RPM:45)
23-Jun-16	14:35	14:40	0.08	4703	4703	Survey & Conn.	Survey & Conn.@4648' Inc 4.91° Azm 186.73°
23-Jun-16	14:40	14:58	0.30	4703	4719	Sliding	Sliding - (WOB:25;GPM :443;TFO:200M))
23-Jun-16	14:58	15:40	0.70	4719	4788	Drilling	Drilling - (WOB:28;GPM :460;RPM:45)
23-Jun-16	15:40	15:47	0.12	4788	4788	Survey & Conn.	Survey & Conn.@4733' Inc 3.21° Azm 181.64°
23-Jun-16	15:47	17:08	1.35	4788	4873	Drilling	Drilling - (WOB:28;GPM :460;RPM:45)
23-Jun-16	17:08	17:35	0.45	4873	4873	Rig Service-Inhole	Rig Service-Inhole
23-Jun-16	17:35	17:40	0.08	4873	4873	Survey & Conn.	Survey & Conn.@4818' Inc 2.76° Azm 180.67°

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
23-Jun-16	17:40	18:29	0.82	4873	4959	Drilling	Drilling - (WOB:28;GPM :460;RPM:45)
23-Jun-16	18:29	18:34	0.08	4959	4959	Survey & Conn.	Survey & Conn.@4904' Inc 2.59° Azm 177.9°
23-Jun-16	18:34	18:57	0.38	4959	4977	Sliding	Sliding - (WOB:25;GPM :443;TFO:200M))
23-Jun-16	18:57	19:40	0.72	4977	5044	Drilling	Drilling - (WOB:28; :460;RPM:45)
23-Jun-16	19:40	19:45	0.08	5044	5044	Survey & Conn.	Survey & Conn.@4989' Inc 0.88° Azm 169.16°
23-Jun-16	19:45	20:56	1.18	5044	5130	Drilling	Drilling - (WOB:28; :460;RPM:45)
23-Jun-16	20:56	21:05	0.15	5130	5130	Survey & Conn.	Survey & Conn.@5075' Inc 0.75° Azm 139.58°
23-Jun-16	21:05	22:26	1.35	5130	5216	Drilling	Drilling - (WOB:28; :460;RPM:45)
23-Jun-16	22:26	22:31	0.08	5216	5216	Survey & Conn.	Survey & Conn.@5161' Inc 0.35° Azm 155.97°
23-Jun-16	22:31	23:20	0.82	5216	5301	Drilling	Drilling - (WOB:28; :460;RPM:45)
23-Jun-16	23:20	23:26	0.10	5301	5301	Survey & Conn.	Survey & Conn.@5246' Inc 0.35° Azm 202.43°
23-Jun-16	23:26	24:00	0.57	5301	5359	Drilling	Drilling - (WOB:28; :460;RPM:45)



JOB NO.:	CO16525	Report Time:	2400	3 of 4
Company:	URSA Resources	API JOB #	05-045-22481-00	
LOCATION:	Tompkins Pad	WORK ORDER#	CO16525	
RIG NAME:	Capstar 321	FIELD:	Battlement Mesa	
STATE:	CO	Township:	7S	
COUNTY:	Garfield	SECT RANGE:	8	95W
WELL NAME:	Tompkins 41C-08-07-95			

From Friday, June 24, 2016 at 0000 to Friday, June 24, 2016 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	5359.00	Rotary Hours	17.63	WOB	28	Pick UP	160	Slack Off	125	SPM	
End Depth	6942.00	Circulating Hours	1.05	RAB	135	SPP	2100	FlowRate	460 - 460	123	
Total Drilled:	1583.00	Avg. Total ROP:	86.74	Mud Data							
Total Rotary Drilled:	1556.00	Avg. Rotary ROP:	88.24	Type	Gel/Chem		PV	14	SOLID	6.6	
Total Drilled Sliding:	27.00	Avg. Slide ROP:	43.78	Weight	9.5	GAS	0	YP	10	BHT°	0
Slide Hours:	0.62	Percent Rotary:	98.29	Viscosity	44	SAND	0.15	PH	9.6	Flow T°	147
Below Rotary Hrs.	24.00	Percent Slide:	1.71	Chlorides	1100	WL	6.6		Oil %	0	

PERSONNEL						CASING			BHA
Lead Directional :		Kyle Sizemore				Size	Lb/ft	Set Depth	BHA # 1:7 7/8 Hughes T505F 5x13 1x10, 6 1/2", 1.5 FBH, 3.5 Stg., 7/8 L/B, 0.21 Rev/Gal, 6 1/2" NMDC, 6 1/2" Gap Sub, 6 1/2" Index Sub, 6 1/2" NMDC,
Second Directional :		Stephen Pickering				8 5/8	24	1715	
MWD Operator1		Brian Gilchrist				Signature:			
MWD Operator2									
Directional Company:		Payzone							
Geologist:									
Company Man:		Richard Mcneill							
Incl. In:	0.35	Azm. In:	202.43	Incl. Out:	0	Azm. Out:	0		

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
24-Jun-16	00:00	00:15	0.25	5359	5387	Drilling	Drilling - (WOB:28; :460;RPM:45)
24-Jun-16	00:15	00:20	0.08	5387	5387	Survey & Conn.	Survey & Conn.@5332' Inc 0.39° Azm 294.99°
24-Jun-16	00:20	01:09	0.82	5387	5472	Drilling	Drilling - (WOB:28; :460;RPM:45)
24-Jun-16	01:09	01:15	0.10	5472	5472	Survey & Conn.	Survey & Conn.@5417' Inc 0.4° Azm 202.82°
24-Jun-16	01:15	02:03	0.80	5472	5557	Drilling	Drilling - (WOB:28; :460;RPM:45)
24-Jun-16	02:03	02:08	0.08	5557	5557	Survey & Conn.	Survey & Conn.@5502' Inc 0.35° Azm 167.62°
24-Jun-16	02:08	03:00	0.87	5557	5643	Drilling	Drilling - (WOB:28; :460;RPM:45)
24-Jun-16	03:00	03:06	0.10	5643	5643	Survey & Conn.	Survey & Conn.@5588' Inc 0.57° Azm 173.46°
24-Jun-16	03:06	03:51	0.75	5643	5728	Drilling	Drilling - (WOB:28; :460;RPM:45)
24-Jun-16	03:51	03:59	0.13	5728	5728	Survey & Conn.	Survey & Conn.@5673' Inc 0.4° Azm 187.13°
24-Jun-16	03:59	04:17	0.30	5728	5744	Sliding	Sliding - (WOB:25; :443;TFO:360M))
24-Jun-16	04:17	05:00	0.72	5744	5814	Drilling	Drilling - (WOB:28; :460;RPM:45)
24-Jun-16	05:00	05:05	0.08	5814	5814	Survey & Conn.	Survey & Conn.@5759' Inc 0.7° Azm 346.78°
24-Jun-16	05:05	06:00	0.92	5814	5899	Drilling	Drilling - (WOB:28;GPM :460;RPM:45)
24-Jun-16	06:00	06:05	0.08	5899	5899	Survey & Conn.	Survey & Conn.@5844' Inc 1.23° Azm 323.58°
24-Jun-16	06:05	07:05	1.00	5899	5984	Drilling	Drilling - (WOB:28;GPM :460;RPM:45)
24-Jun-16	07:05	07:09	0.07	5984	5984	Survey & Conn.	Survey & Conn.@5929' Inc 1.1° Azm 321.19°

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
24-Jun-16	07:09	08:03	0.90	5984	6074	Drilling	Drilling - (WOB:28;GPM :460;RPM:45)
24-Jun-16	08:03	08:08	0.08	6074	6074	Survey & Conn.	Survey & Conn.@6015' Inc 1.05° Azm 0.14°
24-Jun-16	08:08	08:55	0.78	6074	6155	Drilling	Drilling - (WOB:28;GPM :460;RPM:45)
24-Jun-16	08:55	09:00	0.08	6155	6155	Survey & Conn.	Survey & Conn.@6100' Inc 1.33° Azm 6.15°
24-Jun-16	09:00	09:44	0.73	6155	6241	Drilling	Drilling - (WOB:28;GPM :460;RPM:45)
24-Jun-16	09:44	09:48	0.07	6241	6241	Survey & Conn.	Survey & Conn.@6186' Inc 1.8° Azm 14.16°
24-Jun-16	09:48	10:35	0.78	6241	6326	Drilling	Drilling - (WOB:28;GPM :460;RPM:45)
24-Jun-16	10:35	10:42	0.12	6326	6326	Survey & Conn.	Survey & Conn.@6271' Inc 1.54° Azm 21.02°
24-Jun-16	10:42	11:30	0.80	6326	6411	Drilling	Drilling - (WOB:28;GPM :460;RPM:45)
24-Jun-16	11:30	11:35	0.08	6411	6411	Survey & Conn.	Survey & Conn.@6356' Inc 1.19° Azm 9.41°
24-Jun-16	11:35	11:54	0.32	6411	6422	Sliding	Sliding - (WOB:25;GPM :460;TFO:180M))
24-Jun-16	11:54	12:30	0.60	6422	6497	Drilling	Drilling - (WOB:28;GPM :460;RPM:45)
24-Jun-16	12:30	12:36	0.10	6497	6497	Survey & Conn.	Survey & Conn.@6442' Inc 0.48° Azm 112.86°
24-Jun-16	12:36	13:37	1.02	6497	6582	Drilling	Drilling - (WOB:28;GPM :460;RPM:45)
24-Jun-16	13:37	13:42	0.08	6582	6582	Survey & Conn.	Survey & Conn.@6527' Inc 0.31° Azm 120.9°
24-Jun-16	13:42	14:43	1.02	6582	6667	Drilling	Drilling - (WOB:28;GPM :460;RPM:45)
24-Jun-16	14:43	14:48	0.08	6667	6667	Survey & Conn.	Survey & Conn.@6612' Inc 0.66° Azm 57.05°
24-Jun-16	14:48	15:42	0.90	6667	6753	Drilling	Drilling - (WOB:28;GPM :460;RPM:45)
24-Jun-16	15:42	15:47	0.08	6753	6753	Survey & Conn.	Survey & Conn.@6697' Inc 0.57° Azm 52.48°
24-Jun-16	15:47	16:49	1.03	6753	6838	Drilling	Drilling - (WOB:28;GPM :460;RPM:45)
24-Jun-16	16:49	16:54	0.08	6838	6838	Survey & Conn.	Survey & Conn.@6783' Inc 0.44° Azm 298.27°
24-Jun-16	16:54	17:48	0.90	6838	6879	Drilling	Drilling - (WOB:28;GPM :460;RPM:45)
24-Jun-16	17:48	18:04	0.27	6879	6879	Rig Service-Inhole	Rig Service-Inhole
24-Jun-16	18:04	19:00	0.93	6879	6923	Drilling	Drilling - (WOB:28;GPM :460;RPM:45)
24-Jun-16	19:00	19:06	0.10	6923	6923	Survey & Conn.	Survey & Conn.@6868' Inc 0.57° Azm 294.66°
24-Jun-16	19:06	20:13	1.12	6923	6942	Drilling	Drilling - (WOB:28;GPM :460;RPM:45)
24-Jun-16	20:13	20:30	0.28	6942	6942	Circulating	Circulating
24-Jun-16	20:30	20:34	0.07	6942	6942	MWD Survey	MWD Survey@6887' Inc 0.44° Azm 274.76°
24-Jun-16	20:34	21:00	0.43	6942	6942	Circulating	Circulating
24-Jun-16	21:00	24:00	3.00	6942	6942	POOH	POOH



JOB NO.:	CO16525	Report Time:	2400	4 of 4
Company:	URSA Resources	API JOB #	05-045-22481-00	
LOCATION:	Tompkins Pad	WORK ORDER#	CO16525	
RIG NAME:	Capstar 321	FIELD:	Battlement Mesa	
STATE:	CO	Township:	7S	
COUNTY:	Garfield	SECT RANGE:	8	95W
WELL NAME:	Tompkins 41C-08-07-95			

From Saturday, June 25, 2016 at 0000 to Saturday, June 25, 2016 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	5359.00	Rotary Hours	17.63	WOB	28	Pick UP	160	Slack Off	125	SPM	
End Depth	6942.00	Circulating Hours	1.05	RAB	135	SPP	2100	FlowRate	460 - 460	123	
Total Drilled:	1583.00	Avg. Total ROP:	86.74	Mud Data							
Total Rotary Drilled:	1556.00	Avg. Rotary ROP:	88.24	Type	Gel/Chem			PV	14	SOLID	6.6
Total Drilled Sliding:	27.00	Avg. Slide ROP:	43.78	Weight	9.5	GAS	0	YP	10	BHT°	0
Slide Hours:	0.62	Percent Rotary:	98.29	Viscosity	44	SAND	0.15	PH	9.6	Flow T°	147
Below Rotary Hrs.	24.00	Percent Slide:	1.71	Chlorides	1100	WL	6.6			Oil %	0
PERSONNEL				CASING					BHA		
Lead Directional :	Kyle Sizemore			Size	Lb/ft	Set Depth		BHA # 1:7 7/8 Hughes T505F 5x13 1x10, 6 1/2", 1.5 FBH, 3.5 Stg., 7/8 L/B, 0.21 Rev/Gal, 6 1/2" NMDC, 6 1/2" Gap Sub, 6 1/2" Index Sub, 6 1/2" NMDC,			
Second Directional :	Stephen Pickering			8 5/8	24	1715					
MWD Operator1	Brian Gilchrist			Signature:							
MWD Operator2											
Directional Company:	Payzone										
Geologist:											
Company Man:	Richard Mcneill										
Incl. In:	0.44	Azm. In:	274.76	Incl. Out:	0.44	Azm. Out:	274.76				

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
25-Jun-16	00:00	02:30	2.50	6942	6942	POOH	POOH
25-Jun-16	02:30	03:30	1.00	6942	6942	Change BHA	Change BHA

BHA # 1**Mud Motor Report**

JOB NO.:	CO16525	FIELD:	Battlement Mesa
Company:	URSA Resources	Township:	7S
LOCATION:	Tompkins Pad	Range	95W
RIG NAME:	Capstar 321	Lead DD:	Kyle Sizemore
STATE:	CO	Co. Man:	Richard Mcneill

WELL NAME: Tompkins 41C-08-07-95 **Motor Failed?:** NO

Time and Depths (This BHA)	MOTOR DATA	Drilling Parameters
Date In: 22-Jun-16 @ 13:00	Desc: FBH 1.5,7/8 L/B, 3.5 Stg.,0.21	SO/PU: 55 - 125 / 62-160
Date Out: 25-Jun-16 @ 03:30	MFG.: Hunting	Rot Wt: 60-135
Hrs In Hole: 62.50	BHA Circ/ All BHA: 48.47 / 47.75	WOB: 8 - 28
Start Depth: 1730.00	Motor SN: 6055	TORQ: 5000 - 11000
End Depth: 6942.00	Pad OD: 6 3/4	SPP: 950 - 2100
Total Drilled: 5212.00	NB Stab: 0	Motor RPM: 73 - 97
Avg. Total ROP: 110.97	Bit to Bend: 6	Rotary RPM: 30 - 45
Circ Hrs:Tot/Only 48.47 / 1.50	Bent Hsg / Sub: 1.5 / 1.5 °	Flow Rate: 348 - 460
Percent Slide: 4.95	Lobe/Stage: 7/8 / 3.5	Avg Diff:
Percent Hrs: 9.05	Rev/GAL: 0.21	Stall Pres.:
Slide Hours: 4.25	Rotor Jet: 7.3	Off Bot Pres.:
Total Sliding: 258.00	Prop BUR:	Bit Record BAKER / 7 7/8 Hughes T505F 5x13 Run #: 1 Type Bit: PDC IADC#: TFA: 0.724 JETS: 10,5-13 Bit Drop: 353 PSI @ 460 GPM Cond.: Ringed out inside and out
Avg. Slide ROP: 60.71	Act BUR:	
Percent Rotary: 95.05	Stator Clearance:	
Percent Hrs: 90.95	Lower Stab OD:	
Rot / Total Hrs: 42.72 / 46.97	Upper Stab OD:	
Rotary Drilled: 4954.00	Extended Motor? NO	
Avg. Rotary ROP: 115.97	Number of Stalls: 0	
Reason POOH: PR	Stall Duration: 0	

Mud Data

Type Gel/Chem	WT: 9.5	Vis: 44	WL: 6.6	PV: 14	Flow T °: 147
SAND: 0.15	Chlor: 1100	GAS: 0	SOL: 6.6	Oil %: 0	YP: 10
				PH: 9.6	Bottom Hole T °: 0

Formation:**EXPANDED REASON PULLED:**

Bit quit drilling @ 6942'

BHA PERFORMANCE:

Performed well

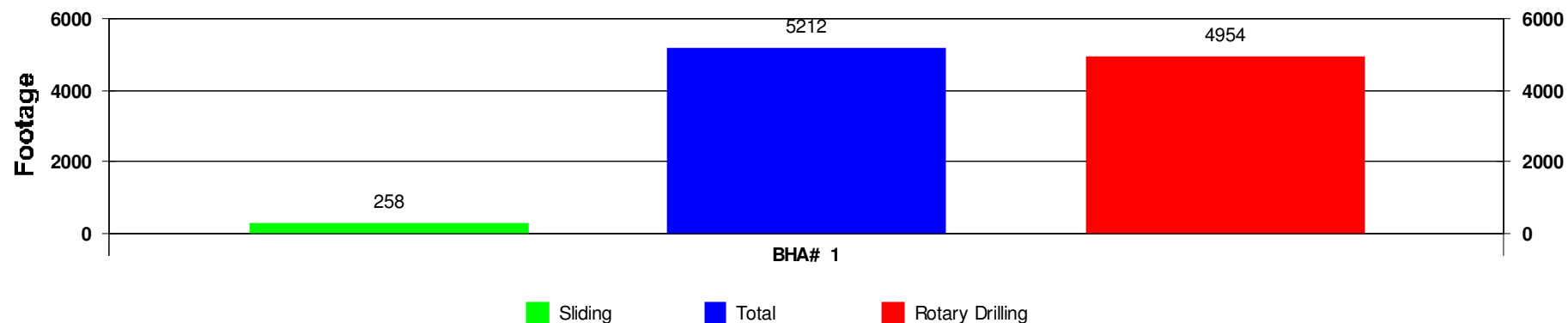
ADDITIONAL COMMENTS: (Expands to next page if necessary)

TD was to be at 7084' Bit is DBRed

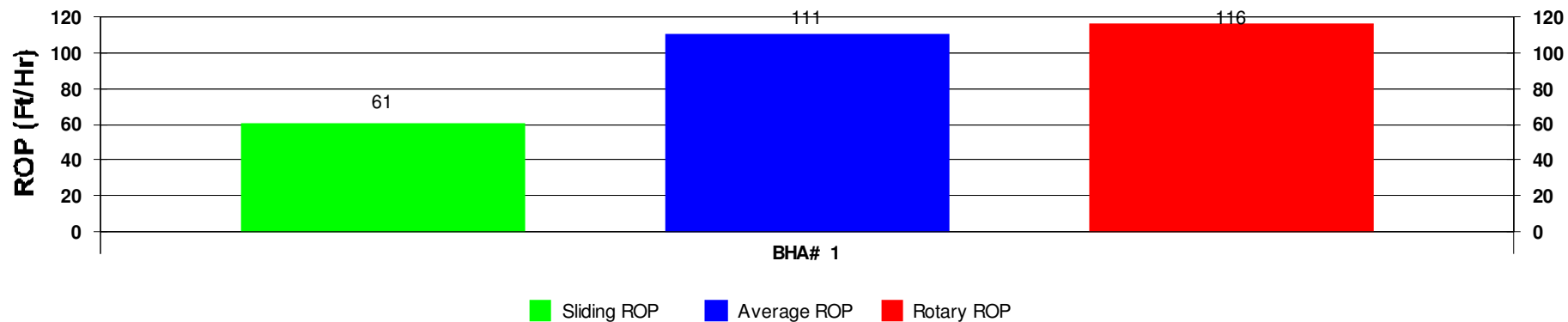


JOB NO.:	CO16525	FIELD:	Battlement Mesa	
Company:	URSA Resources	Township:	7S	
LOCATION:	Tompkins Pad	SECT\ RANGE:	8	95W
RIG NAME:	Capstar 321	COMMENT		
STATE:	CO			
COUNTY:	Garfield			
WELL NAME:	Tompkins 41C-08-07-95			

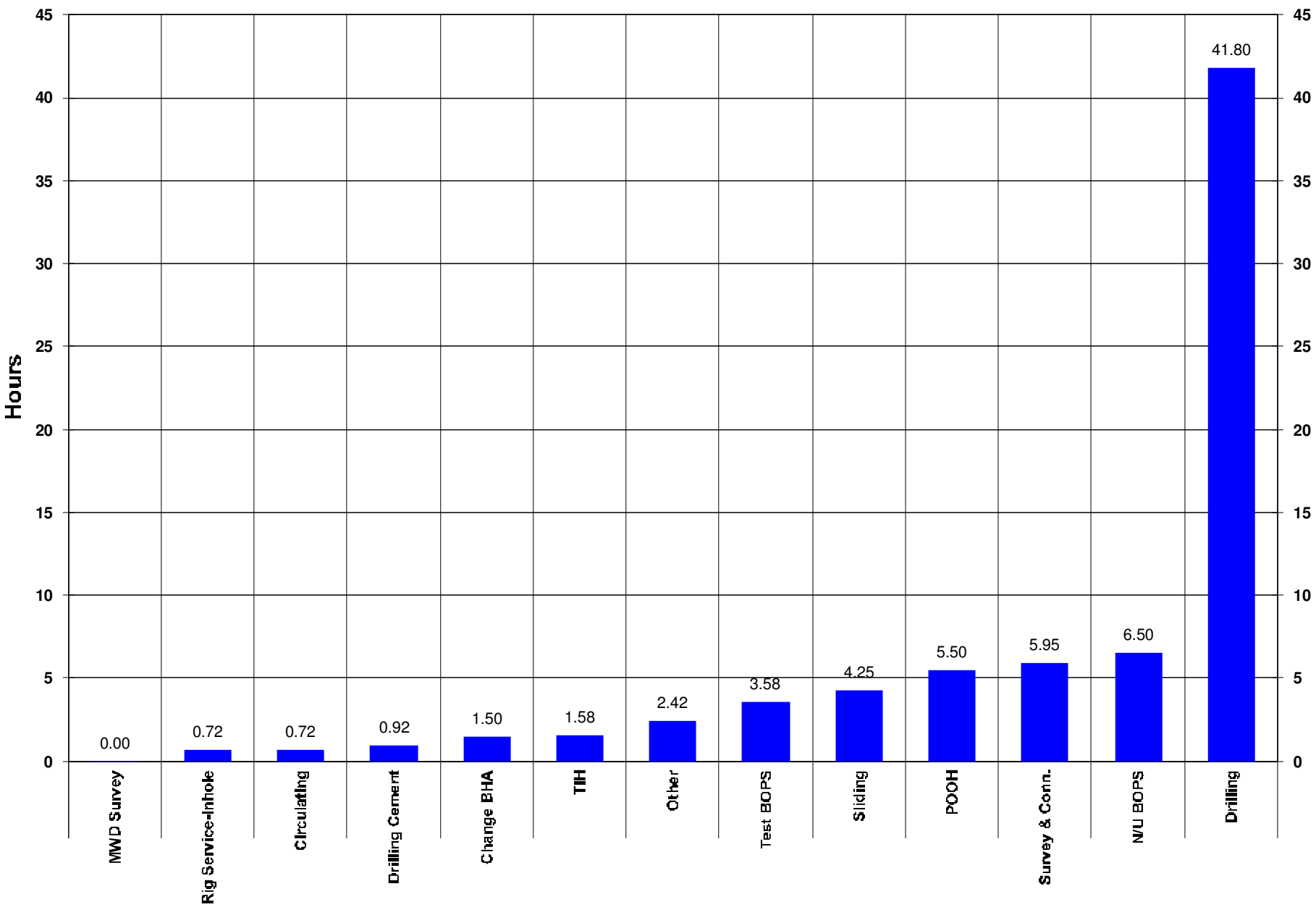
Footage Drilled with BHA



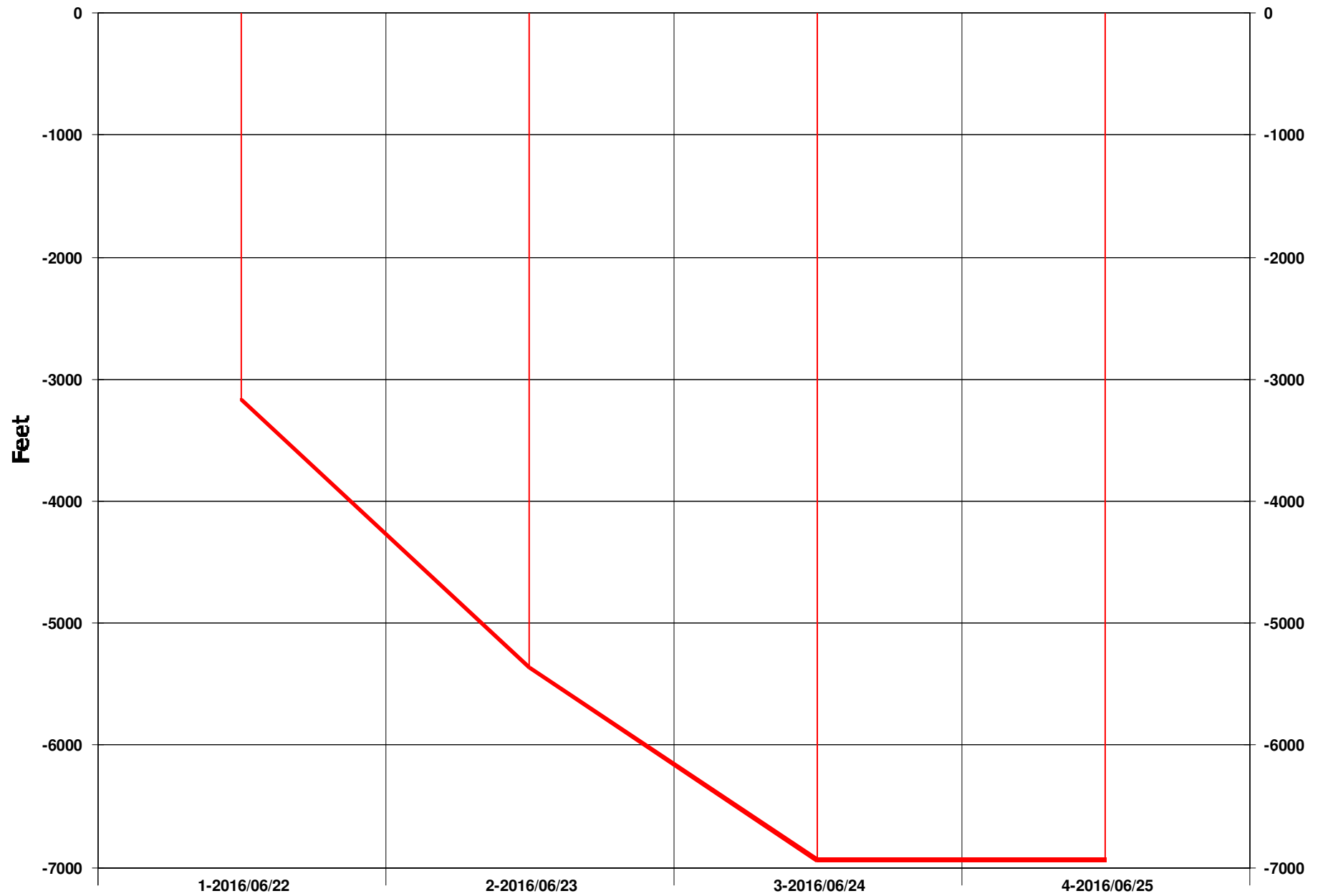
ROP vs BHA



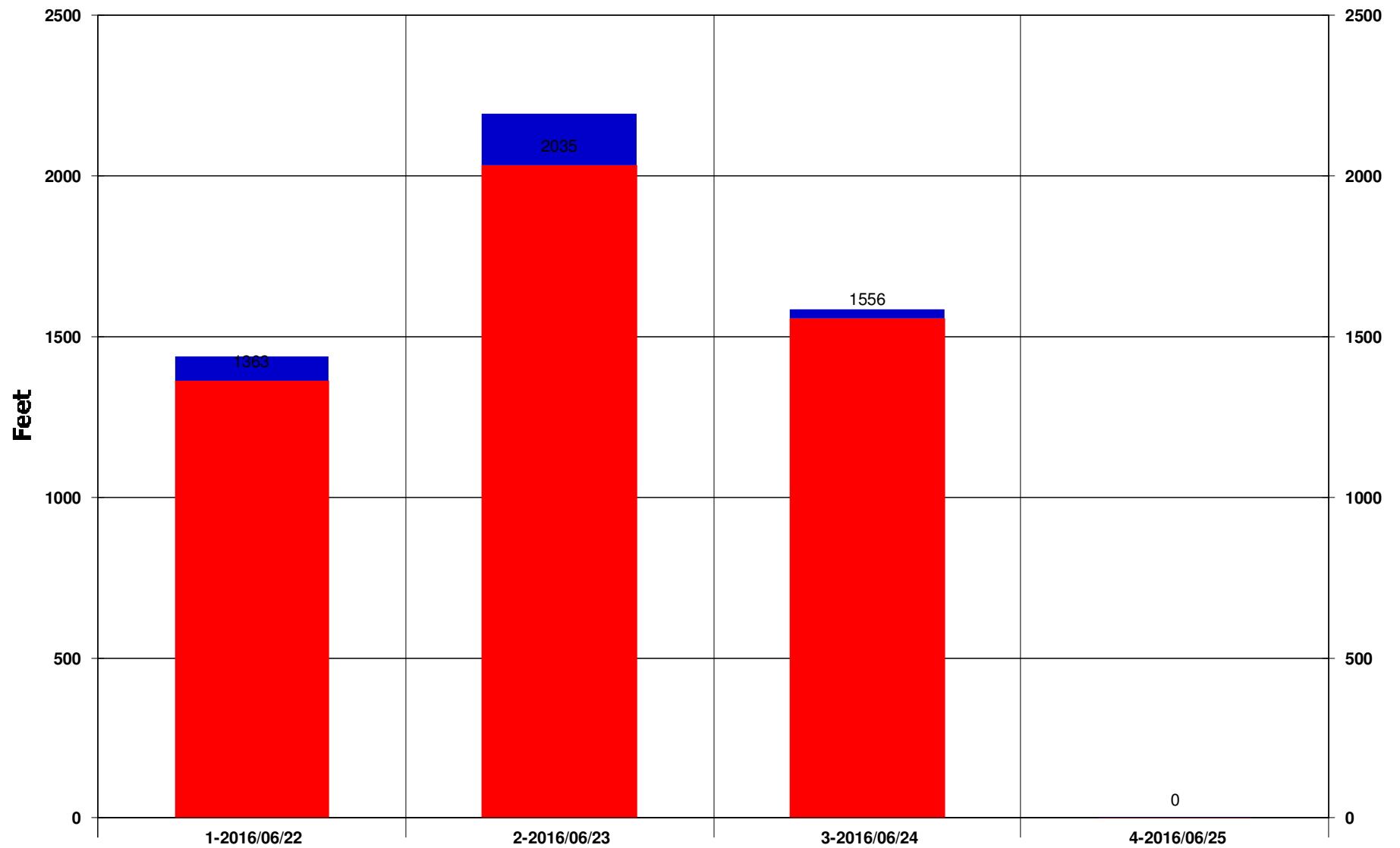
Activity Histogram



Measured Depth vs Days

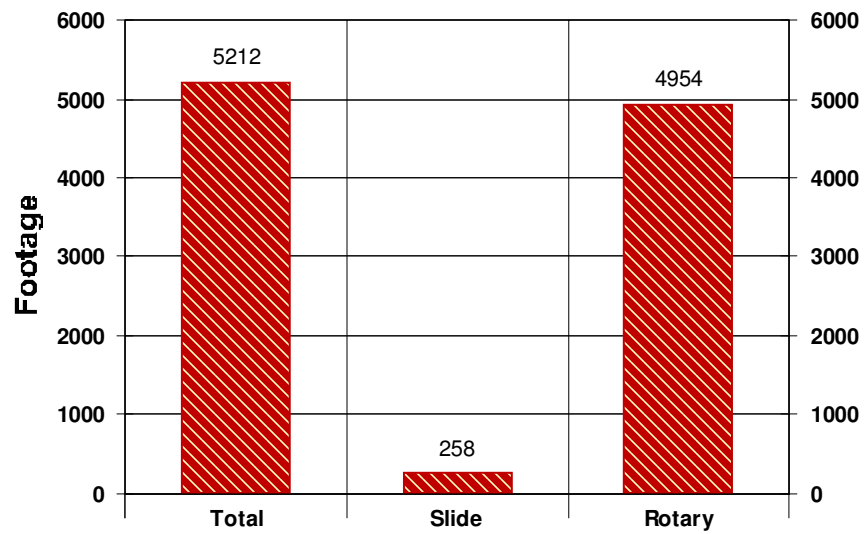


Daily Footage

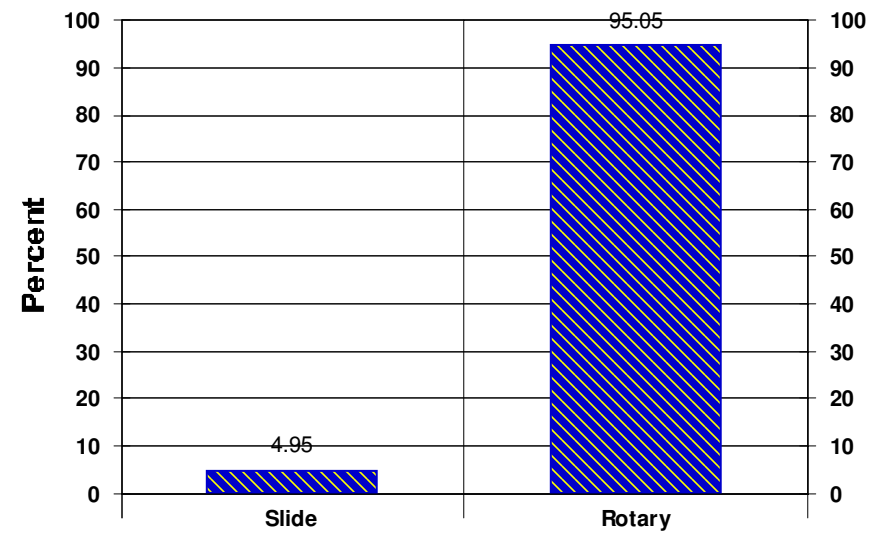


Rotary Drilling Sliding

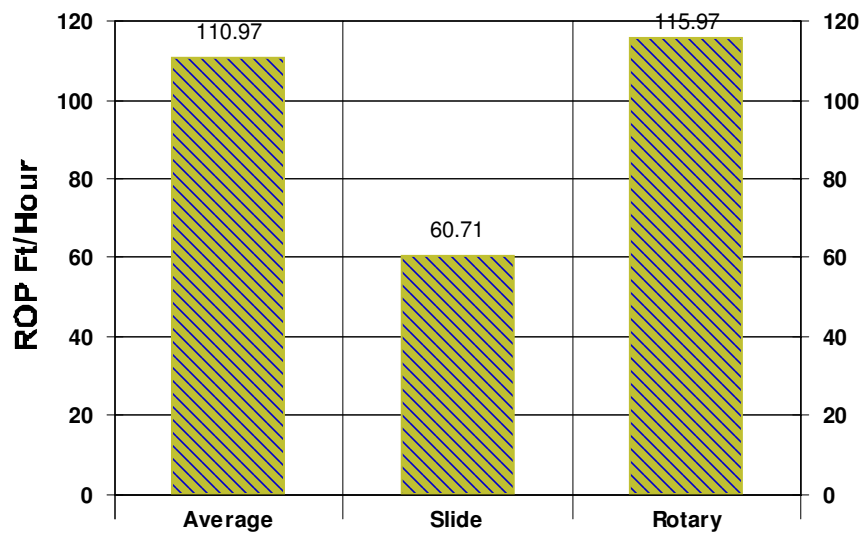
Footage Drilled Totals



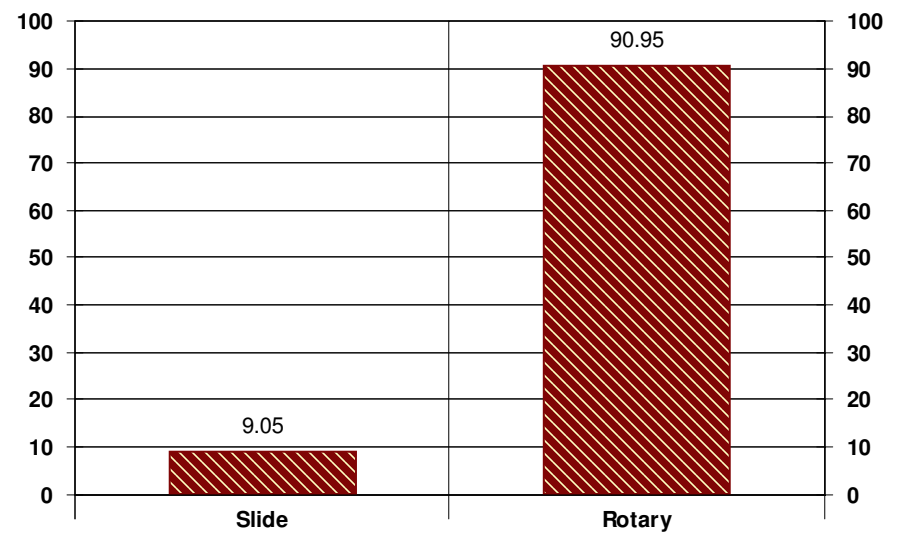
Footage Percent



Rate of Penetration Totals



Time Percent





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