



**Burnett Oil Company,
Inc.**

**EOW
REPORT**

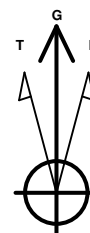
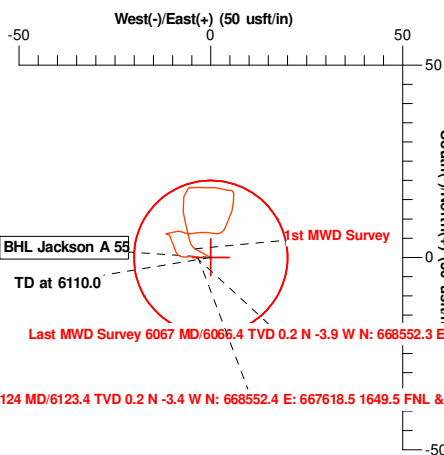
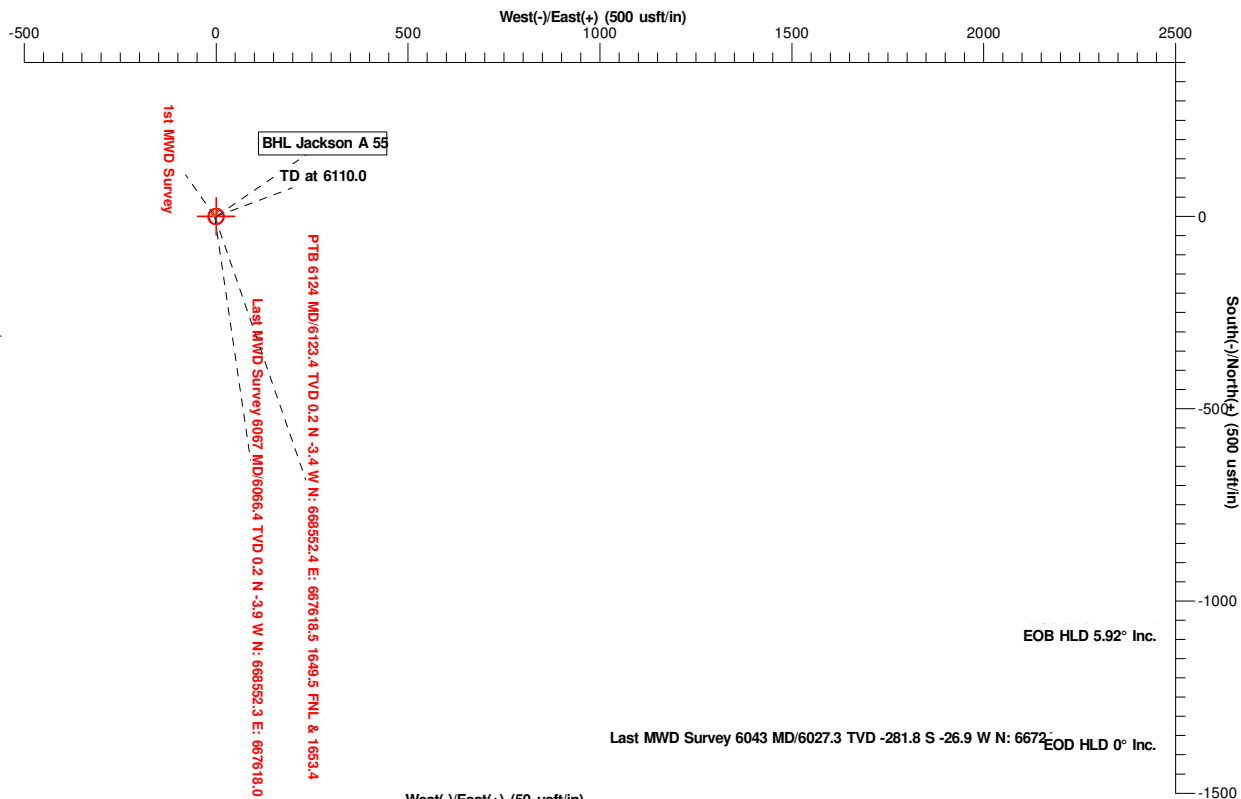
Jackson A 55

Eddy County, NM

10/27/2020-10/30/2020

Burnett Oil Company, Inc.
 Project: Eddy County, NM NAD 83
 Site: Sec 13-T17S-R30E
 Well: Jackson A 55
 Wellbore: Wellbore #1
 Plan: Plan #2 (Jackson A 55/Wellbore #1)

Jackson A 55
 3748.0
 RKB Elevation: 3748+17 @ 3765.0usft
 North American Datum 1983
 0.0 668552.20 667622.00 32° 50' 13.921 N 103° 55' 19.812 W



Azimuths to Grid North
 True North: -0.22°
 Magnetic North: 6.58°

Magnetic Field
 Strength: 47919.6nT
 Dip Angle: 60.52°
 Date: 10/06/2020
 Model: IGRF2015

Section Details

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSeet
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0
6110.0	0.00	0.00	6110.0	0.0	0.0	0.00	0.00	0.0

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
BHL Jackson A 55	6110.0	0.0	0.0	668552.20	667622.00	32° 50' 13.921 N	103° 55' 19.812 W

- plan hits target center



PANTHER

Burnett Oil Company, Inc.

Eddy County, NM NAD 83

Sec 13-T17S-R30E

Jackson A 55

Wellbore #1

Survey: Survey #1

Standard Survey Report

03 November, 2020

Company:	Burnett Oil Company, Inc.	Local Co-ordinate Reference:	Well Jackson A 55
Project:	Eddy County, NM NAD 83	TVD Reference:	3748+17 @ 3765.0usft
Site:	Sec 13-T17S-R30E	MD Reference:	3748+17 @ 3765.0usft
Well:	Jackson A 55	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.15 Single User Db

Project	Eddy County, NM NAD 83		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site		Sec 13-T17S-R30E			
Site Position:		Northing:	667,526.20 usft	Latitude:	32° 50' 3.845 N
From:	Map	Easting:	665,632.30 usft	Longitude:	103° 55' 43.179 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.22 °

Well	Jackson A 55					
Well Position	+N/-S	0.0 usft	Northing:	668,552.20 usft	Latitude:	32° 50' 13.921 N
	+E/-W	0.0 usft	Easting:	667,622.00 usft	Longitude:	103° 55' 19.812 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,748.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	10/06/20	6.81	60.52	47,919.59899074

Design	Wellbore #1				
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	0.00	

Survey Program	Date	11/03/20			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
441.0	6,124.0	Survey #1 (Wellbore #1)	MWD	OWSG MWD - Standard	

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
441.0	1.23	298.60	441.0	2.3	-4.2	2.3	0.28	0.28	0.00
1st MWD Survey									
565.0	1.76	351.16	564.9	4.8	-5.6	4.8	1.13	0.43	42.39
690.0	1.54	342.72	689.9	8.3	-6.4	8.3	0.26	-0.18	-6.75
815.0	1.80	350.28	814.8	11.8	-7.2	11.8	0.27	0.21	6.05
941.0	1.93	14.45	940.8	15.8	-7.0	15.8	0.63	0.10	19.18
1,066.0	0.66	72.01	1,065.7	18.1	-5.8	18.1	1.34	-1.02	46.05
1,192.0	1.19	93.20	1,191.7	18.2	-3.8	18.2	0.49	0.42	16.82
1,318.0	1.23	89.42	1,317.7	18.2	-1.2	18.2	0.07	0.03	-3.00
1,444.0	0.88	92.93	1,443.7	18.1	1.1	18.1	0.28	-0.28	2.79

Company:	Burnett Oil Company, Inc.	Local Co-ordinate Reference:	Well Jackson A 55
Project:	Eddy County, NM NAD 83	TVD Reference:	3748+17 @ 3765.0usft
Site:	Sec 13-T17S-R30E	MD Reference:	3748+17 @ 3765.0usft
Well:	Jackson A 55	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,570.0	0.75	108.31	1,569.6	17.8	2.9	17.8	0.20	-0.10	12.21
1,695.0	0.62	99.17	1,694.6	17.5	4.3	17.5	0.14	-0.10	-7.31
1,822.0	0.44	77.29	1,821.6	17.5	5.5	17.5	0.21	-0.14	-17.23
1,948.0	0.79	176.96	1,947.6	16.7	6.0	16.7	0.77	0.28	79.10
2,074.0	1.27	185.04	2,073.6	14.5	5.9	14.5	0.40	0.38	6.41
2,199.0	1.01	197.87	2,198.6	12.0	5.5	12.0	0.29	-0.21	10.26
2,325.0	0.97	206.40	2,324.6	10.0	4.7	10.0	0.12	-0.03	6.77
2,450.0	0.75	191.02	2,449.6	8.3	4.0	8.3	0.25	-0.18	-12.30
2,576.0	0.53	227.23	2,575.5	7.1	3.4	7.1	0.36	-0.17	28.74
2,701.0	0.44	231.54	2,700.5	6.4	2.6	6.4	0.08	-0.07	3.45
2,827.0	0.40	277.42	2,826.5	6.1	1.8	6.1	0.26	-0.03	36.41
2,952.0	0.53	281.02	2,951.5	6.3	0.8	6.3	0.11	0.10	2.88
3,078.0	0.40	268.10	3,077.5	6.4	-0.2	6.4	0.13	-0.10	-10.25
3,204.0	0.31	285.68	3,203.5	6.5	-1.0	6.5	0.11	-0.07	13.95
3,329.0	0.31	259.49	3,328.5	6.5	-1.6	6.5	0.11	0.00	-20.95
3,454.0	0.57	278.29	3,453.5	6.5	-2.6	6.5	0.24	0.21	15.04
3,580.0	0.44	250.70	3,579.5	6.4	-3.6	6.4	0.22	-0.10	-21.90
3,705.0	0.57	263.79	3,704.5	6.2	-4.7	6.2	0.14	0.10	10.47
3,830.0	0.35	265.11	3,829.5	6.1	-5.7	6.1	0.18	-0.18	1.06
3,956.0	0.53	292.36	3,955.5	6.3	-6.6	6.3	0.22	0.14	21.63
4,082.0	0.40	285.50	4,081.5	6.7	-7.6	6.7	0.11	-0.10	-5.44
4,208.0	0.44	275.39	4,207.5	6.8	-8.5	6.8	0.07	0.03	-8.02
4,333.0	0.70	247.01	4,332.5	6.6	-9.7	6.6	0.30	0.21	-22.70
4,460.0	0.79	272.14	4,459.5	6.3	-11.3	6.3	0.26	0.07	19.79
4,585.0	0.44	109.63	4,584.5	6.2	-11.7	6.2	0.97	-0.28	-130.01
4,710.0	0.18	82.30	4,709.5	6.0	-11.0	6.0	0.23	-0.21	-21.86
4,835.0	0.40	159.99	4,834.5	5.6	-10.7	5.6	0.32	0.18	62.15
4,961.0	0.70	161.40	4,960.5	4.5	-10.3	4.5	0.24	0.24	1.12
5,087.0	0.66	153.23	5,086.5	3.1	-9.7	3.1	0.08	-0.03	-6.48
5,212.0	0.75	163.51	5,211.4	1.7	-9.2	1.7	0.12	0.07	8.22
5,338.0	0.35	128.88	5,337.4	0.7	-8.6	0.7	0.40	-0.32	-27.48
5,464.0	0.44	114.03	5,463.4	0.2	-7.9	0.2	0.11	0.07	-11.79
5,589.0	0.40	83.26	5,588.4	0.1	-7.0	0.1	0.18	-0.03	-24.62
5,715.0	0.44	85.11	5,714.4	0.2	-6.1	0.2	0.03	0.03	1.47
5,840.0	0.31	90.65	5,839.4	0.2	-5.3	0.2	0.11	-0.10	4.43
5,966.0	0.31	94.95	5,965.4	0.2	-4.6	0.2	0.02	0.00	3.41
6,067.0	0.48	85.20	6,066.4	0.2	-3.9	0.2	0.18	0.17	-9.65
Last MWD Survey 6067 MD/6066.4 TVD 0.2 N -3.9 W N: 668552.3 E: 667618.0									
6,124.0	0.48	85.20	6,123.4	0.2	-3.4	0.2	0.00	0.00	0.00
PTB 6124 MD/6123.4 TVD 0.2 N -3.4 W N: 668552.4 E: 667618.5 1649.5 FNL & 1653.4 FEL									



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Well:	Jackson A 55	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.15 Single User Db

Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
441.0	441.0	2.3	-4.2	1st MWD Survey
6,067.0	6,066.4	0.2	-3.9	Last MWD Survey 6067 MD/6066.4 TVD 0.2 N -3.9 W N: 668552.3 E: 667618.0
6,124.0	6,123.4	0.2	-3.4	PTB 6124 MD/6123.4 TVD 0.2 N -3.4 W N: 668552.4 E: 667618.5 1649.5 FNL

Checked By: _____	Approved By: _____	Date: _____
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[illegible]

	JOB NO.:	910D-2020	Report Time:	2400	2 of 4						
	Company:	Burnett Oil Company, Inc.	API JOB #	30-015-47065							
	LOCATION:	Eddy County	WORK ORDER#								
	RIG NAME:	Ensign 436	Legal Desc.	Township-Section-Range							
	STATE:	NM		--							
	COUNTY:	Eddy	Company Man	Walter Royce							
	WELL NAME:	Jackson A 55	Lead Dir Hand	John Overton							
	Geologist :		2nd Dir Hand	Greg Hickey							
From Wednesday, October 28, 2020 at 0000 to Wednesday, October 28, 2020 at 2400											
DAILY TOTALS		ASSEMBLY TOTALS									
Start Depth	440.00	BHA #	Motor SN / R.S. SN	Slide Ftg	Slide Hrs	Rotate Ftg	Rotate Hrs	Circ Hrs	D & C Hrs	BHA Ftg	Avg ROP
End Depth	2553.00	1	PDS650026	30.00	0.42	5,654.00	34.67	.67	35.75	5,684.00	159.36
Below Rot Hrs.	19.75										
Total Drilled:	2113.00										
Avg. Total ROP:	173.67										
Slide Footage:	17.00										
Slide Hours	0.25										
Avg. Slide ROP:	68.00										
Rotate Footage:	2096.00										
Rotary Hours	11.92										
Avg. Rot ROP:	175.89										
Circ Hours	2.25										
Ream Hours	0.00										
Rotary Hrs%:	97.95										
Slide Hrs%:	2.05										
Rotary Ftg%	99.20										
Slide Ftg%	.80										
Casing											
Size	Ibf/Ft	MD									
Drilling			Mud Record		Bit Record		Current BHA # 1				
Brine			Bit No:		1		DD406TX				
WOB:			Weight:		Model		7/8 5.0 Fxd @ 1.5° TS				
35			10.00 PPG		DD406TX		Shock Sub				
Rot Wt:			Visc:		SN.:		UBHO				
96			29		5311311		NMDC (Slick)				
Pick UP:			Chlorides:		MFG.		(6) 6 1/2" DCs				
101			0		BAKER		X - O				
Slack Off:			YP:		Type		(10) HWDP				
94			0		PDC						
SPP:			PV:		IADC						
2400			0								
Flow:			PH:		JETS		6-16				
0 - 600			0		6-16						
SPM:			GAS:		TFA:		1.18 in²				
170			0		1.18 in²						
Rot. RPM			SAND:		Hole ID:		7.9 In.				
0 - 60			0		7.9 In.						
Mot RPM:			WL:		Bit Hrs:		35.08 hrs				
60 - 60			0		35.08 hrs						
Incl. In:			SOLID:		Bit Ftg		5684.00 Ft				
0			0		5684.00 Ft						
Azm. In:			BHT°:		PUMPS						
0			92.0F°								
Incl. Out:			Flow T°:		Liner In.		.00		.00		
0.75			.0F°		.00		.00		.00		
Azm. Out:			Oil %:		Stroke In.		.00		.00		
191.02			0		.00		.00		.00		
COST BREAKDOWN			Effic.		95.00%		95.00%				
			Gal/Stk		0.00		0.00				
			BBL/Stk		0.000		0.000				
GENERAL COMMENT											
Start Time	End Time	Hours	Start Depth	End Depth	Delta Depth	ROP	Activity Code	COMMENT			
00:00	04:15	4.25	440.0	440.0	0.0	.00	Standby	Standby			
04:15	05:30	1.25	440.0	440.0	0.0	.00	Change BHA	P/U BHA #1			
05:30	07:00	1.50	440.0	440.0	0.0	.00	TIH	TIH			
07:00	09:00	2.00	440.0	440.0	0.0	.00	Rig Service-Inhole	Rig Service-Inhole			
09:00	09:15	0.25	440.0	440.0	0.0	.00	Drilling Cement	Drilling Shoe Tract			
09:15	09:35	0.33	440.0	498.0	58.0	174.00	Drilling	Drilling - (WOB:15.00;GPM :600.00;RPM:60)			
09:35	09:45	0.17	498.0	498.0	0.0	.00	Survey & Conn.	Survey & Conn.@441m Inc 1.23° Azm 298.6°			
09:45	10:25	0.67	498.0	622.0	124.0	186.00	Drilling	Drilling - (WOB:15.00;GPM :600.00;RPM:60)			
10:25	10:35	0.17	622.0	622.0	0.0	.00	Survey & Conn.	Survey & Conn.@565m Inc 1.76° Azm 351.16°			
10:35	11:10	0.58	622.0	747.0	125.0	214.29	Drilling	Drilling - (WOB:15.00;GPM :600.00;RPM:60)			
11:10	11:20	0.17	747.0	747.0	0.0						

Start Time	End Time	Hours	Start Depth	End Depth	Delta Depth	ROP	Activity Code	COMMENT
12:50	13:00	0.17	998.0	998.0	0.0	.00	Survey & Conn.	Survey & Conn.@941m Inc 1.93° Azm 14.45°
13:00	13:10	0.17	998.0	1029.0	31.0	186.00	Drilling	Drilling - (WOB:15.00;GPM :600.00;RPM:60)
13:10	13:20	0.17	1029.0	1039.0	10.0	60.00	Sliding	Drilling - (WOB:25.00;GPM :600.00;RPM:60)
13:20	13:45	0.42	1039.0	1123.0	84.0	201.60	Drilling	Drilling - (WOB:15.00;GPM :600.00;RPM:60)
13:45	13:55	0.17	1123.0	1123.0	0.0	.00	Survey & Conn.	Survey & Conn.@1066m Inc 0.66° Azm 72.01°
13:55	14:15	0.33	1123.0	1249.0	126.0	378.00	Drilling	Drilling - (WOB:15.00;GPM :600.00;RPM:60)
14:15	14:25	0.17	1249.0	1249.0	0.0	.00	Survey & Conn.	Survey & Conn.@1192m Inc 1.19° Azm 93.2°
14:25	15:15	0.83	1249.0	1375.0	126.0	151.20	Drilling	Drilling - (WOB:15.00;GPM :600.00;RPM:60)
15:15	15:25	0.17	1375.0	1375.0	0.0	.00	Survey & Conn.	Survey & Conn.@1318m Inc 1.23° Azm 89.42°
15:25	16:15	0.83	1375.0	1501.0	126.0	151.20	Drilling	Drilling - (WOB:25.00;GPM :600.00;RPM:60)
16:15	16:25	0.17	1501.0	1501.0	0.0	.00	Survey & Conn.	Survey & Conn.@1444m Inc 0.88° Azm 92.93°
16:25	16:50	0.42	1501.0	1564.0	63.0	151.20	Drilling	Drilling - (WOB:25.00;GPM :600.00;RPM:60)
16:50	17:05	0.25	1564.0	1564.0	0.0	.00	Rig Service-Inhole	Rig Service-Inhole
17:05	17:30	0.42	1564.0	1627.0	63.0	151.20	Drilling	Drilling - (WOB:27.00;GPM :600.00;RPM:60)
17:30	17:35	0.08	1627.0	1627.0	0.0	.00	Survey & Conn.	Survey & Conn.@1570m Inc 0.75° Azm 108.31°
17:35	18:25	0.83	1627.0	1752.0	125.0	150.00	Drilling	Drilling - (WOB:31.00;GPM :598.00;RPM:60)
18:25	18:35	0.17	1752.0	1752.0	0.0	.00	Survey & Conn.	Survey & Conn.@1695m Inc 0.62° Azm 99.17°
18:35	19:20	0.75	1752.0	1879.0	127.0	169.33	Drilling	Drilling - (WOB:31.00;GPM :598.00;RPM:60)
19:20	19:30	0.17	1879.0	1879.0	0.0	.00	Survey & Conn.	Survey & Conn.@1822m Inc 0.44° Azm 77.29°
19:30	19:55	0.42	1879.0	1946.0	67.0	160.80	Drilling	Drilling - (WOB:31.00;GPM :598.00;RPM:60)
19:55	20:00	0.08	1946.0	1953.0	7.0	84.00	Sliding	Sliding - (WOB:25.00;GPM :598;TFO:200M))
20:00	20:20	0.33	1953.0	2005.0	52.0	156.00	Drilling	Drilling - (WOB:31.00;GPM :598.00;RPM:60)
20:20	20:30	0.17	2005.0	2005.0	0.0	.00	Survey & Conn.	Survey & Conn.@1948m Inc 0.79° Azm 176.96°
20:30	21:15	0.75	2005.0	2131.0	126.0	168.00	Drilling	Drilling - (WOB:33.00;GPM :598.00;RPM:60)
21:15	21:25	0.17	2131.0	2131.0	0.0	.00	Survey & Conn.	Survey & Conn.@2074m Inc 1.27° Azm 185.04°
21:25	22:10	0.75	2131.0	2256.0	125.0	166.67	Drilling	Drilling - (WOB:33.00;GPM :598.00;RPM:60)
22:10	22:20	0.17	2256.0	2256.0	0.0	.00	Survey & Conn.	Survey & Conn.@2199m Inc 1.01° Azm 197.87°
22:20	22:55	0.58	2256.0	2382.0	126.0	216.00	Drilling	Drilling - (WOB:34.00;GPM :598.00;RPM:60)
22:55	23:00	0.08	2382.0	2382.0	0.0	.00	Survey & Conn.	Survey & Conn.@2325m Inc 0.97° Azm 206.4°
23:00	23:40	0.67	2382.0	2507.0	125.0	187.50	Drilling	Drilling - (WOB:35.00;GPM :598.00;RPM:60)
23:40	23:45	0.08	2507.0	2507.0	0.0	.00	Survey & Conn.	Survey & Conn.@2450m Inc 0.75° Azm 191.02°
23:45	24:00	0.25	2507.0	2553.0	46.0	184.00	Drilling	Drilling - (WOB:35.00;GPM :598.00;RPM:60)

	JOB NO.:	910D-2020	Report Time:	2400	3 of 4
	Company:	Burnett Oil Company, Inc.	API JOB #	30-015-47065	
	LOCATION:	Eddy County	WORK ORDER#		
	RIG NAME:	Ensign 436	Legal Desc.	Township-Section-Range	
	STATE:	NM		--	
	COUNTY:	Eddy	Company Man	Walter Royce	
	WELL NAME:	Jackson A 55	Lead Dir Hand	John Overton	
	Geologist :		2nd Dir Hand	Greg Hickey	

From Thursday, October 29, 2020 at 0000 to Thursday, October 29, 2020 at 2400

ASSEMBLY TOTALS

Start Depth	2553.00	BHA #	Motor SN / R.S. SN	Slide Ftg	Slide Hrs	Rotate Ftg	Rotate Hrs	Circ Hrs	D & C Hrs	BHA Ftg	Avg ROP
End Depth	5745.00	1	PDS650026	30.00	0.42	5,654.00	34.67	.67	35.75	5,684.00	159.36
Below Rot Hrs.	24.00										
Total Drilled:	3192.00										
Avg. Total ROP:	162.31										
Slide Footage:	13.00	Drilling		Mud Record		Bit Record		Current BHA # 1			
Slide Hours	0.17			Brine		Bit No:	1	DD406TX 7/8 5.0 Fxd @ 1.5° TS Shock Sub UBHO NMDC (Slick) (6) 6 1/2" DCs X - O (10) HWDP			
Avg. Slide ROP:	78.00	WOB:	40	Weight:	10.00 PPG	Model	DD406TX				
Rotate Footage:	3179.00	Rot Wt:	145	Visc:	29	SN.:	5311311				
Rotary Hours	19.50	Pick UP:	160	Chlorides:	170000	MFG.	BAKER				
Avg. Rot ROP:	163.03	Slack Off:	138	YP:	1	Type	PDC				
Circ Hours	0.25	SPP:	2850	PV:	2	IADC					
Ream Hours	0.00	Flow:	530 - 605	PH:	10	JETS	6-16				
Rotary Hrs%:	99.15	SPM:	172	GAS:	0	TFA:	1.18 in²				
Slide Hrs%:	.85	Rot. RPM	60 - 65	SAND:	0	Hole ID:	7.9 In.				
Rotary Ftg%	99.59	Mot RPM:	60 - 65	WL:	0	Bit Hrs:	35.08 hrs				
Slide Ftg%	.41	Incl. In:	0.75	SOLID:	11	Bit Ftg	5684.00 Ft				
Casing Size lb/Ft MD		Azm. In:	191.02	BHT°:	115.0F°	PUMPS					
		Incl. Out:	0.4	Flow T°:	91.0F°	Liner In.	.00	.00			
		Azm. Out:	83.26	Oil %:	0	Stroke In.	.00	.00			
		COST BREAKDOWN				Effic.	95.00%	95.00%			
						Gal/Stk	0.00	0.00			
				BBL/Stk 0.000 0.000							

Size	lbf/Ft	MD
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COST BREAKDOWN

GENERAL COMMENT

Start Time	End Time	Hours	Start Depth	End Depth	Delta Depth	ROP	Activity Code	COMMENT
05:00	05:25	0.42	3386.0	3511.0	125.0	300.00	Drilling	Drilling - (WOB:36.00;GPM :598.00;RPM:65)
05:25	05:35	0.17	3511.0	3511.0	0.0	.00	Survey & Conn.	Survey & Conn.@3454m Inc 0.57° Azm 278.29°
05:35	06:10	0.58	3511.0	3637.0	126.0	216.00	Drilling	Drilling - (WOB:36.00;GPM :598.00;RPM:65)
06:10	06:20	0.17	3637.0	3637.0	0.0	.00	Survey & Conn.	Survey & Conn.@3580m Inc 0.44° Azm 250.7°
06:20	06:55	0.58	3637.0	3762.0	125.0	214.29	Drilling	Drilling - (WOB:36.00;GPM :598.00;RPM:65)
06:55	07:05	0.17	3762.0	3762.0	0.0	.00	Survey & Conn.	Survey & Conn.@3705m Inc 0.57° Azm 263.79°
07:05	07:35	0.50	3762.0	3887.0	125.0	250.00	Drilling	Drilling - (WOB:36.00;GPM :598.00;RPM:65)
07:35	07:45	0.17	3887.0	3887.0	0.0	.00	Survey & Conn.	Survey & Conn.@3830m Inc 0.35° Azm 265.11°
07:45	08:20	0.58	3887.0	4013.0	126.0	216.00	Drilling	Drilling - (WOB:36.00;GPM :598.00;RPM:65)
08:20	08:30	0.17	4013.0	4013.0	0.0	.00	Survey & Conn.	Survey & Conn.@3956m Inc 0.53° Azm 292.36°
08:30	09:00	0.50	4013.0	4139.0	126.0	252.00	Drilling	Drilling - (WOB:36.00;GPM :598.00;RPM:65)
09:00	09:10	0.17	4139.0	4139.0	0.0	.00	Survey & Conn.	Survey & Conn.@4082m Inc 0.4° Azm 285.5°
09:10	09:45	0.58	4139.0	4265.0	126.0	216.00	Drilling	Drilling - (WOB:36.00;GPM :598.00;RPM:65)
09:45	09:55	0.17	4265.0	4265.0	0.0	.00	Survey & Conn.	Survey & Conn.@4208m Inc 0.44° Azm 275.39°
09:55	10:45	0.83	4265.0	4390.0	125.0	150.00	Drilling	Drilling - (WOB:36.00;GPM :598.00;RPM:65)
10:45	10:55	0.17	4390.0	4390.0	0.0	.00	Survey & Conn.	Survey & Conn.@4333m Inc 0.7° Azm 247.01°
10:55	11:40	0.75	4390.0	4517.0	127.0	169.33	Drilling	Drilling - (WOB:36.00;GPM :598.00;RPM:65)
11:40	11:50	0.17	4517.0	4517.0	0.0	.00	Survey & Conn.	Survey & Conn.@4460m Inc 0.79° Azm 272.14°
11:50	11:55	0.08	4517.0	4540.0	23.0	276.00	Drilling	Drilling - (WOB:36.00;GPM :530.00;RPM:60)
11:55	12:00	0.08	4540.0	4548.0	8.0	96.00	Sliding	Sliding - (WOB:32.00;GPM :530;TFO:90M))
12:00	13:00	1.00	4548.0	4642.0	94.0	94.00	Drilling	Drilling - (WOB:32.00;GPM :530.00;RPM:60)
13:00	13:10	0.17	4642.0	4642.0	0.0	.00	Survey & Conn.	Survey & Conn.@4585m Inc 0.44° Azm 109.63°
13:10	14:10	1.00	4642.0	4767.0	125.0	125.00	Drilling	Drilling - (WOB:35.00;GPM :530.00;RPM:60)
14:10	14:20	0.17	4767.0	4767.0	0.0	.00	Survey & Conn.	Survey & Conn.@4710m Inc 0.18° Azm 82.3°
14:20	15:15	0.92	4767.0	4892.0	125.0	136.36	Drilling	Drilling - (WOB:35.00;GPM :530.00;RPM:60)
15:15	15:25	0.17	4892.0	4892.0	0.0	.00	Survey & Conn.	Survey & Conn.@4835m Inc 0.4° Azm 159.99°
15:25	16:20	0.92	4892.0	5018.0	126.0	137.45	Drilling	Drilling - (WOB:35.00;GPM :598.00;RPM:60)
16:20	16:30	0.17	5018.0	5018.0	0.0	.00	Survey & Conn.	Survey & Conn.@4961m Inc 0.7° Azm 161.4°
16:30	17:00	0.50	5018.0	5080.0	62.0	124.00	Drilling	Drilling - (WOB:35.00;GPM :598.00;RPM:60)
17:00	17:15	0.25	5080.0	5080.0	0.0	.00	Rig Service-Inhole	Rig Service-Inhole
17:15	17:50	0.58	5080.0	5144.0	64.0	109.71	Drilling	Drilling - (WOB:35.00;GPM :598.00;RPM:60)
17:50	17:55	0.08	5144.0	5144.0	0.0	.00	Survey & Conn.	Survey & Conn.@5087m Inc 0.66° Azm 153.23°
17:55	18:55	1.00	5144.0	5269.0	125.0	125.00	Drilling	Drilling - (WOB:39.00;GPM :605.00;RPM:65)
18:55	19:00	0.08	5269.0	5269.0	0.0	.00	Survey & Conn.	Survey & Conn.@5212m Inc 0.75° Azm 163.51°
19:00	19:15	0.25	5269.0	5269.0	0.0	.00	Rig repair	Rig repair
19:15	19:20	0.08	5269.0	5275.0	6.0	72.00	Drilling	Drilling - (WOB:39.00;GPM :605.00;RPM:65)
19:20	19:25	0.08	5275.0	5280.0	5.0	60.00	Sliding	Sliding - (WOB:30.00;GPM :605;TFO:30M))
19:25	20:30	1.08	5280.0	5395.0	115.0	106.15	Drilling	Drilling - (WOB:40.00;GPM :605.00;RPM:65)
20:30	20:40	0.17	5395.0	5395.0	0.0	.00	Survey & Conn.	Survey & Conn.@5338m Inc 0.35° Azm 128.88°
20:40	21:45	1.08	5395.0	5521.0	126.0	116.31	Drilling	Drilling - (WOB:40.00;GPM :605.00;RPM:65)
21:45	21:55	0.17	5521.0	5521.0	0.0	.00	Survey & Conn.	Survey & Conn.@5464m Inc 0.44° Azm 114.03°
21:55	22:55	1.00	5521.0	5646.0	125.0	125.00	Drilling	Drilling - (WOB:40.00;GPM :605.00;RPM:65)
22:55	23:05	0.17	5646.0	5646.0	0.0	.00	Survey & Conn.	Survey & Conn.@5589m Inc 0.4° Azm 83.26°
23:05	24:00	0.92	5646.0	5745.0	99.0	108.00	Drilling	Drilling - (WOB:40.00;GPM :605.00;RPM:65)



JOB NO.:	910D-2020	Report Time:	2400	4 of 4
Company:	Burnett Oil Company, Inc.	API JOB #	30-015-47065	
LOCATION:	Eddy County	WORK ORDER#		
RIG NAME:	Ensign 436	Legal Desc.	Township-Section-Range	
STATE:	NM	Company Man	Walter Royce	
COUNTY:	Eddy	Lead Dir Hand	John Overton	
WELL NAME:	Jackson A 55	2nd Dir Hand	Greg Hickey	
Geologist :				

From Friday, October 30, 2020 at 0000 to Friday, October 30, 2020 at 2400

DAILY TOTALS		ASSEMBLY TOTALS											
Start Depth	5745.00	BHA #	Motor SN / R.S. SN	Slide Ftg	Slide Hrs	Rotate Ftg	Rotate Hrs	Circ Hrs	D & C Hrs	BHA Ftg	Avg ROP		
End Depth	6124.00	1	PDS650026	30.00	0.42	5,654.00	34.67	.67	35.75	5,684.00	159.36		
Below Rot Hrs.	10.25												
Total Drilled:	379.00												
Avg. Total ROP:	108.29												
Slide Footage:	0.00												
Slide Hours	0.00												
Avg. Slide ROP:	NA												
Rotate Footage:	379.00												
Rotary Hours	3.50												
Avg. Rot ROP:	108.29												
Circ Hours	0.42												
Ream Hours	0.00												
Rotary Hrs%:	100.00												
Slide Hrs%:	.00												
Rotary Ftg%	100.00												
Slide Ftg%	.00												
Casing													
Size	Ibt/Ft	MD											
		Drilling		Mud Record		Bit Record		Current BHA # 1					
		WOB:		40		Weight:		10.00 PPG		Model		DD406TX	
		Rot Wt:		160		Visc:		29		SN.:		5311311	
		Pick UP:		175		Chlorides:		170000		MFG.		BAKER	
		Slack Off:		153		YP:		1		Type		PDC	
		SPP:		2850		PV:		2		IADC			
		Flow:		605 - 605		PH:		10		JETS		6-16	
		SPM:		172		GAS:		0		TFA:		1.18 in²	
		Rot. RPM		65 - 65		SAND:		0		Hole ID:		7.9 In.	
		Mot RPM:		-		WL:		0		Bit Hrs:		35.08 hrs	
		Incl. In:		0.4		SOLID:		11		Bit Ftg		5684.00 Ft	
		Azm. In:		83.26		BHT°:		120.0F°		PUMPS			
		Incl. Out:		0		Flow T°:		91.0F°		Liner In.		.00 .00	
		Azm. Out:		0		Oil %:		0		Stroke In.		.00 .00	
		COST BREAKDOWN						Effic.		95.00%		95.00%	
								Gal/Stk		0.00		0.00	
								BBL/Stk		0.000		0.000	
												DD406TX	
												7/8 5.0 Fxd @ 1.5° TS	
												Shock Sub	
												UBHO	
												NMDC (Slick)	
												(6) 6 1/2" DCs	
												X - O	
												(10) HWDP	

GENERAL COMMENT

Start Time	End Time	Hours	Start Depth	End Depth	Delta Depth	ROP	Activity Code	COMMENT
00:00	00:15	0.25	5745.0	5772.0	27.0	108.00	Drilling	Drilling - (WOB:40.00;GPM :605.00;RPM:65)
00:15	00:25	0.17	5772.0	5772.0	0.0	.00	Survey & Conn.	Survey & Conn.@5715m Inc 0.44° Azm 85.11°
00:25	01:35	1.17	5772.0	5897.0	125.0	107.14	Drilling	Drilling - (WOB:40.00;GPM :605.00;RPM:65)
01:35	01:45	0.17	5897.0	5897.0	0.0	.00	Survey & Conn.	Survey & Conn.@5840m Inc 0.31° Azm 90.65°
01:45	02:45	1.00	5897.0	6023.0	126.0	126.00	Drilling	Drilling - (WOB:40.00;GPM :605.00;RPM:65)
02:45	02:55	0.17	6023.0	6023.0	0.0	.00	Survey & Conn.	Survey & Conn.@5966m Inc 0.31° Azm 94.95°
02:55	03:30	0.58	6023.0	6085.0	62.0	106.29	Drilling	Drilling - (WOB:40.00;GPM :605.00;RPM:65)
03:30	03:35	0.08	6085.0	6085.0	0.0	.00	Connection	Connection
03:35	03:40	0.08	6085.0	6085.0	0.0	.00	Circulating	Pump sweep off bottom
03:40	04:10	0.50	6085.0	6124.0	39.0	78.00	Drilling	Drilling - (WOB:40.00;GPM :605.00;RPM:65)
04:10	04:15	0.08	6124.0	6124.0	0.0	.00	MWD Survey	MWD Survey@6067m Inc 0.48° Azm 85.2°
04:15	04:30	0.25	6124.0	6124.0	0.0	.00	Circulating	Circulating @ TD
04:30	09:45	5.25	6124.0	6124.0	0.0	.00	POOH	POOH - L/D DP
09:45	10:15	0.50	6124.0	6124.0	0.0	.00	Change BHA	L/D BHA01 @ TD

BHA # 1

JOB NO.: 910D-2020

Work Order:

FIELD: Yeso

Company: Burnett Oil Company, Inc.

Legal Desc.

Township-Section-Range

LOCATION: Eddy County

RIG NAME: Ensign 436

STATE: NM

COUNTY: Eddy

WELL NAME: Jackson A 55

Lead DD: John Overton

Co. Man: Walter Roye

Type: Slick Assembly

BHA WT: 5446 lbf

Wt @ Jars: N/A

Time and Depths

MOTOR DATA

Drilling Parameters

Date In: 28-Oct-20 @ 05:30

7/8 5.0 Fxd @ 1.5° TS

SO/PU: 0 - 153 / 0-175

Date Out: 30-Oct-20 @ 09:45

MFG.: Panther

Rot Strg Wt: 0-160

Hrs In Hole: 52.25

Pad OD: 6.875

WOB: 0 - 40

Start Depth: 440.00

NB Stab: 0.0

TORQ: 0 - 8000

End Depth: 6124.00

Bit to Bend: 4.0

SPP: 0 - 2850

Total Drilled: 5684.00

Bent Hsg/Sub°: 1.5 / 1.5

Motor RPM: 153 - 174

Avg. Total ROP: 160.87

Lobe/Stage: 7/8 / 5

Rotary RPM: 0 - 65

Circ Hrs: Tot/Only 38.25 / 2.92

Rev/Gal 0.29

Flow Rate: 0 - 605.0

Percent Slide: .53

Rotor Jet: 0

Avg Diff: 0

Percent Hrs: 1.18

Prop BUR: 9

Stall Pres.: 0

Slide Hours: .42

Act BUR: 15

Off Bot Pres.: 0

Total Sliding: 30.00

Mud Data

Bit Record

Avg. Slide ROP: 72.00

Type Brine

BAKER / DD406TX

Percent Rotary: 99.47

WT: 10.00 PPG

GAS: 0

Run #: 1

Percent Hrs: 98.82

Vis: 29

PV: 2

Type Bit: PDC

Rotary Hours: 34.92

WL: 0

PH: 10

IADC#: TFA: 1.18 in²

Total Rotary: 5654.00

SOL: 11

SAND: 0

JETS: 6-16

Avg. Rotary ROP: 161.93

Oil %: 0

FT° 120F°

P Drop: 243 PSI @ 605 GPM

Reason POOH: TD

Chlor: 170000

YP: 1

Cond.: one_missing_cutter

MWD Spacing

Gamma: .0

Restiv: .0

Sensor: 55.0

Last Casing O.D. 8 5/8

GYRO: .0

DNSC: .0

Sonic: .0

Shoe @: 437

Hanger @:

INC IN: .0

INC OUT: .0

AZM IN: .00

AZM OUT: .00

Bit t/ survey = 57.0'

RPG = 0.288

Flow Range 300 - 600 gpm

BHA Detail

Description	Serial #	I.D. In.	O.D. In.	Length Ft	Sum Ft	Top Conn	MFG.
DD406TX	5311311	0.000	7 7/8	1.0	1.00	4 1/2 REGP	BAKER
7/8 5.0 Fxd @ 1.5° TS	PDS650026	0.000	6 1/2	25.4	26.40	4 1/2 XHB	Panther
Shock Sub	ST6501722	2 13/16	6 9/16	10.8	37.22	4 1/2 XHB	Other
UBHO	6058U	2 13/16	6 1/2	3.2	40.37	4 1/2 XHB	Panther
NMDC (Slick)	DR9774	2 7/8	6 5/8	29.9	70.27	4 1/2 XHB	DTI
(6) 6 1/2" DCs	Rig			180.9	251.20	4 1/2 XHB	Rig
X - O	Rig			2.6	253.79	4 1/2 IFB	RIG
(10) HWDP	Rig			306.0	559.83	4 1/2 IFB	RIG

(10) HWDP
(10) HWDP
Length=306.04 Ft

X - O
X - O
Length=2.59 Ft

(6) 6 1/2" DCs
(6) 6 1/2" DCs
Length=180.93 Ft

NMDC (Slick)
O.D.=6.625 In.
Length=29.90 Ft
FN=.00 Ft

UBHO
O.D.=6.500 In.
Length=3.15 Ft
FN=.00 Ft

Shock Sub
O.D.=6.563 In.
Length=10.82 Ft

7/8 5.0 Fxd @ 1.5° TS
O.D.=6.500 In.
Length=25.40 Ft
FN=.00 Ft

DD406TX
O.D.=7.875 In.
Length=1.00 Ft
FN=.00 Ft

WinSURV II BHA Report - License: NP4845



JOB NO.:	910D-2020
Company:	Burnett Oil Company, Inc.
LOCATION:	Eddy County
RIG NAME:	Ensign 436
STATE:	NM
COUNTY:	Eddy
WELL NAME:	Jackson A 55

FIELD:	Yeso
Legal Desc.	Township-Section-Range
	--
MOTOR INFORMATION	
Desc: 7/8 5.0 Fxd @ 1.5° TS	
Bent Hsg/Sub: 1.50 / 1.5	Bit to Bend: 4.00
Pad OD: 6.88	NB Stab: .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
1	28-Oct	Drilling	09:15	09:35	0.33	440	498	58		174.0	0	0				1.32	327.65	0.34	
1	28-Oct	Drilling	09:45	10:25	0.67	498	622	124	15	186.0	45	3500	450	1350		1.66	347.59	0.08	
1	28-Oct	Drilling	10:35	11:10	0.58	622	747	125	15	214.3	60	3500	600	1625		1.65	346.46	0.08	
1	28-Oct	Drilling	11:20	12:05	0.75	747	872	125	15	166.7	60	3500	600	1625		1.82	1.62	0.19	
1	28-Oct	Drilling	12:15	12:50	0.58	872	998	126	15	216.0	60	3500	600	1625		1.24	26.29	0.40	
1	28-Oct	Drilling	13:00	13:10	0.17	998	1029	31	15	186.0	60	3500	600	1625		0.91	40.00	0.40	
1	28-Oct	Sliding	13:10	13:20	0.17	1029	1039	10	25	60.0	60	3500	600	1625	200M	0.82	46.61	0.40	
1	28-Oct	Drilling	13:20	13:45	0.42	1039	1123	84	15	201.6	60	3500	600	1625		0.89	84.71	0.15	
1	28-Oct	Drilling	13:55	14:15	0.33	1123	1249	126	15	378.0	60	3500	600	1875		1.21	91.46	0.02	
1	28-Oct	Drilling	14:25	15:15	0.83	1249	1375	126	15	151.2	60	3500	600	1875		1.07	90.72	0.08	
1	28-Oct	Drilling	15:25	16:15	0.83	1375	1501	126	25	151.2	60	4400	600	1875		0.81	99.28	0.06	
1	28-Oct	Drilling	16:25	16:50	0.42	1501	1564	63	25	151.2	60	4400	600	1875		0.75	107.47	0.06	
1	28-Oct	Drilling	17:05	17:30	0.42	1564	1627	63	27	151.2	60	5300	600	2050		0.69	104.57	0.04	
1	28-Oct	Drilling	17:35	18:25	0.83	1627	1752	125	31	150.0	60	5500	598	2150		0.53	91.19	0.06	
1	28-Oct	Drilling	18:35	19:20	0.75	1752	1879	127	31	169.3	60	5500	598	2150		0.40	140.11	0.23	
1	28-Oct	Drilling	19:30	19:55	0.42	1879	1946	67	31	160.8	60	5500	598	2150		0.78	176.45	0.23	
1	28-Oct	Sliding	19:55	20:00	0.08	1946	1953	7	25	84.0	60	5500	598	2150	200M	0.81	177.46	0.12	
1	28-Oct	Drilling	20:00	20:20	0.33	1953	2005	52	31	156.0	60	5500	598	2150		1.00	181.57	0.12	
1	28-Oct	Drilling	20:30	21:15	0.75	2005	2131	126	33	168.0	60	6000	598	2250		1.14	190.17	0.09	
1	28-Oct	Drilling	21:25	22:10	0.75	2131	2256	125	33	166.7	60	6000	598	2250		0.99	201.64	0.04	
1	28-Oct	Drilling	22:20	22:55	0.58	2256	2382	126	34	216.0	60	6500	598	2400		0.86	200.36	0.08	
1	28-Oct	Drilling	23:00	23:40	0.67	2382	2507	125	35	187.5	60	6500	598	2400		0.62	204.21	0.11	
1	28-Oct	Drilling	23:45	24:00	0.25	2507	2553	46	35	184.0	60	6500	598	2400		0.55	218.77	0.11	
1	29-Oct	Drilling	00:00	00:20	0.33	2553	2633	80	35	240.0	60	7000	598	2450		0.49	229.00	0.02	
1	29-Oct	Drilling	00:30	01:00	0.50	2633	2758	125	35	250.0	60	7000	598	2450		0.39	251.04	0.08	
1	29-Oct	Drilling	01:10	01:45	0.58	2758	2884	126	35	216.0	60	7000	598	2450		0.46	279.31	0.03	

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	29-Oct	Drilling	01:50	02:25	0.58	2884	3009	125	35	214.3	60	8000	598	2450		0.47	276.06	0.04	
1	29-Oct	Drilling	02:35	03:15	0.67	3009	3135	126	35	189.0	60	8000	598	2450		0.36	274.95	0.03	
1	29-Oct	Drilling	03:25	04:10	0.75	3135	3261	126	35	168.0	60	8000	598	2500		0.30	273.76	0.03	
1	29-Oct	Drilling	04:15	04:50	0.58	3261	3386	125	36	214.3	65	8000	598	2500		0.42	270.91	0.07	
1	29-Oct	Drilling	05:00	05:25	0.42	3386	3511	125	36	300.0	65	8000	598	2500		0.50	267.60	0.06	
1	29-Oct	Drilling	05:35	06:10	0.58	3511	3637	126	36	216.0	65	8000	598	2500		0.50	257.52	0.04	
1	29-Oct	Drilling	06:20	06:55	0.58	3637	3762	125	36	214.3	65	7000	598	2700		0.47	264.24	0.05	
1	29-Oct	Drilling	07:05	07:35	0.50	3762	3887	125	36	250.0	65	7000	598	2700		0.42	280.28	0.06	
1	29-Oct	Drilling	07:45	08:20	0.58	3887	4013	126	36	216.0	65	7000	598	2700		0.47	289.73	0.03	
1	29-Oct	Drilling	08:30	09:00	0.50	4013	4139	126	36	252.0	65	7000	598	2700		0.42	280.69	0.02	
1	29-Oct	Drilling	09:10	09:45	0.58	4139	4265	126	36	216.0	65	7000	598	2700		0.54	259.13	0.09	
1	29-Oct	Drilling	09:55	10:45	0.83	4265	4390	125	36	150.0	65	7000	598	2700		0.72	259.04	0.08	
1	29-Oct	Drilling	10:55	11:40	0.75	4390	4517	127	36	169.3	65	7000	598	2700		0.25	257.94	0.29	
1	29-Oct	Drilling	11:50	11:55	0.08	4517	4540	23	36	276.0	60	8000	530	2350		0.09	192.73	0.29	
1	29-Oct	Sliding	11:55	12:00	0.08	4540	4548	8	32	96.0	60	8000	530	2350	90M	0.11	148.65	0.29	
1	29-Oct	Drilling	12:00	13:00	1.00	4548	4642	94	32	94.0	60	8000	530	2350		0.31	102.75	0.07	
1	29-Oct	Drilling	13:10	14:10	1.00	4642	4767	125	35	125.0	60	8000	530	2400		0.22	134.79	0.10	
1	29-Oct	Drilling	14:20	15:15	0.92	4767	4892	125	35	136.4	60	8000	530	2400		0.54	160.82	0.07	
1	29-Oct	Drilling	15:25	16:20	0.92	4892	5018	126	35	137.5	60	8000	598	2800		0.68	157.82	0.02	
1	29-Oct	Drilling	16:30	17:00	0.50	5018	5080	62	35	124.0	60	8000	598	2800		0.66	153.71	0.02	
1	29-Oct	Drilling	17:15	17:50	0.58	5080	5144	64	35	109.7	60	8000	598	2800		0.70	158.24	0.04	
1	29-Oct	Drilling	17:55	18:55	1.00	5144	5269	125	39	125.0	65	8000	605	2800		0.55	154.07	0.12	
1	29-Oct	Drilling	19:15	19:20	0.08	5269	5275	6	39	72.0	65	8000	605	2750		0.53	152.66	0.12	
1	29-Oct	Sliding	19:20	19:25	0.08	5275	5280	5	30	60.0	65	8000	605	2750	30M	0.51	151.41	0.12	
1	29-Oct	Drilling	19:25	20:30	1.08	5280	5395	115	40	106.2	65	8000	605	2750		0.39	121.31	0.03	
1	29-Oct	Drilling	20:40	21:45	1.08	5395	5521	126	40	116.3	65	8000	605	2750		0.41	100.77	0.05	
1	29-Oct	Drilling	21:55	22:55	1.00	5521	5646	125	40	125.0	65	8000	605	2850		0.42	84.14	0.01	
1	29-Oct	Drilling	23:05	24:00	0.92	5646	5745	99	40	108.0	65	8000	605	2850		0.41	86.12	0.03	
1	30-Oct	Drilling	00:00	00:15	0.25	5745	5772	27	40	108.0	65	8000	605	2850		0.38	87.17	0.03	
1	30-Oct	Drilling	00:25	01:35	1.17	5772	5897	125	40	107.1	65	8000	605	2850		0.31	92.60	0.01	
1	30-Oct	Drilling	01:45	02:45	1.00	5897	6023	126	40	126.0	65	8000	605	2850		0.40	88.44	0.05	
1	30-Oct	Drilling	02:55	03:30	0.58	6023	6085	62	40	106.3	65	8000	605	2850		0.48	85.20	0.00	
1	30-Oct	Drilling	03:40	04:10	0.50	6085	6124	39	40	78.0	65	8000	605	2850		0.48	85.20	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:		5684 Ft	Avg. Total ROP:		160.87	DEPTH% - TIME %													
Total Rotary Drilled:		5654 Ft	Avg. Rotary ROP:		161.93	Percent Rotary:		99.47 - 98.82											
Total Drilled Sliding:		30 Ft	Avg. Slide ROP:		72.00	Percent Slide:		.53 - 1.18											



JOB NO.:	910D-2020	FIELD:	Yeso		
Company:	Burnett Oil Company, Inc.	Legal Desc.	Township-Section-Range		
LOCATION:	Eddy County		--		
RIG NAME:	Ensign 436	Lead DD:	John Overton		
STATE:	NM	Co. Man:	Walter Roye		
COUNTY:	Eddy	Motor Failed?	NO		
WELL NAME:	Jackson A 55				

Time and Depths (This BHA)		MOTOR DATA				Drilling Parameters				
Date In:	28-Oct-20 @ 05:30		Desc:	7/8 5.0 Fxd @ 1.5° TS			SO/PU:	0 - 153	/	0-175
Date Out:	30-Oct-20 @ 09:45		MFG.:	Panther			Rot Wt:	0-160		
Hrs In Hole:	52.25		BHA Circ/ All BHA:	38.25 / 35.75			WOB:	0 - 40		
Start Depth:	440.00		Motor SN:	PDS650026			TORQ:	0 - 8000		
End Depth:	6124.00		Pad OD:	6.88			SPP:	0 - 2850		
Total Drilled:	5684.00		NB Stab:	0.00			Motor RPM:	152.6 - 174.2		
Avg. Total ROP:	160.87		Bit to Bend:	4.00			Rotary RPM:	0 - 65		
Circ Hrs:Tot/Only	38.25 / 2.92		Bent Hsg / Sub:	1.5	/	1.5	Flow Rate:	0 - 605		
Percent Slide:	.53		Lobe/Stage:	7/8 / 5			Avg Diff:	0		
Percent Hrs:	1.18		Revs/Gal	0.29			Stall Pres.:	0		
Slide Hours:	.42		Rotor Jet:	0.0			Off Bot Pres.:	0		
Total Sliding:	30.00		Prop BUR:	9			Bit Record			
Avg. Slide ROP:	72.00		Act BUR:	15			BAKER	/	DD406TX	
Percent Rotary:	99.47		Stator Clearance:				Run #:	1		
Percent Hrs:	98.82		Lower Stab OD:	0.00			Type Bit:	PDC		
Rot / Total Hrs:	34.92 / 35.33		Upper Stab OD:	0			IADC#:		TFA:	1.18 in²
Rotary Drilled:	5654.00		Extended Motor?	NO			JETS:	6-16		
Avg. Rotary ROP:	161.93		Number of Stalls:	0			P Drop:	243PSI @ 605 GPM		
Reason POOH:	TD		Stall Duration:	0			Cond.:	one_missing_cutter		

Mud Data

Type	Brine				WT:	10.0PPG	Vis:	29	WL:	0	PV:	2	Flow T °:	91.0	
SAND:	0	Chlor:	170000	GAS:	0	SOL:	11	Oil %:	0	YP:	1	PH:	10	Bottom Hole T °:	120.0
Formation:															

EXPANDED REASON PULLED:

TD

BHA PERFORMANCE:

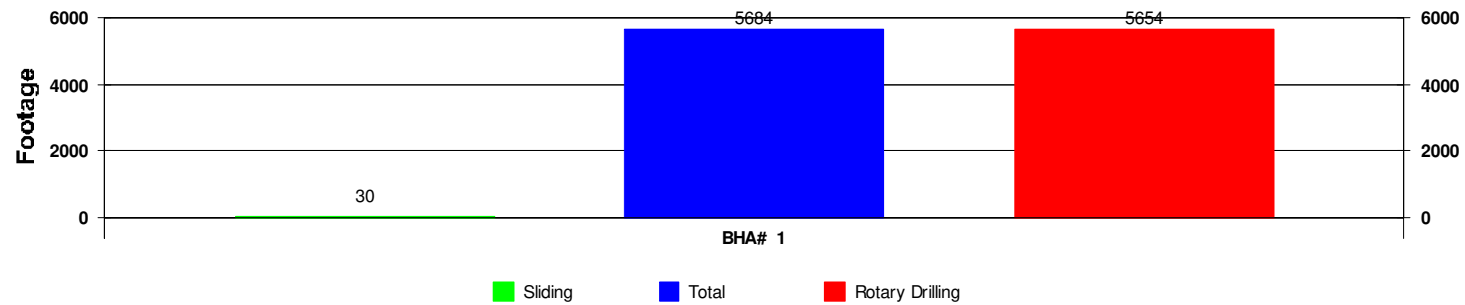
BHA performed well with minimal deviation

ADDITIONAL COMMENTS: (Expands to next page if necessary)

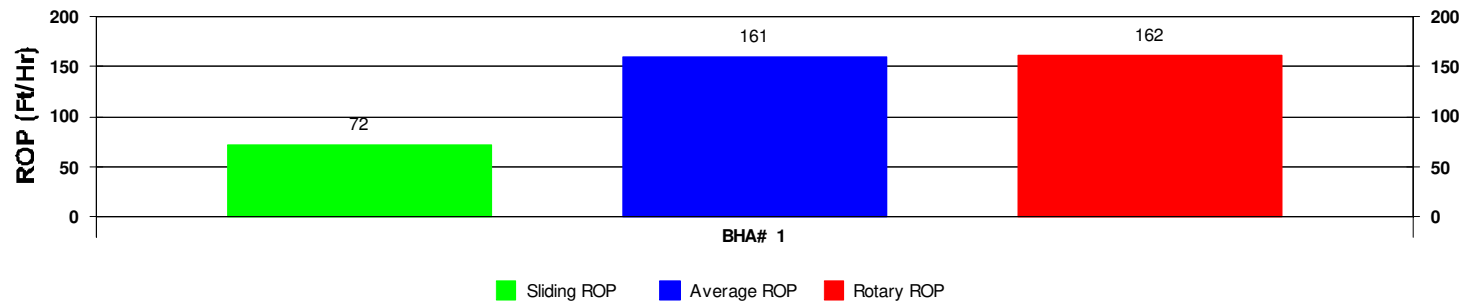


JOB NO.:	910D-2020	FIELD:	Yeso
Company:	Burnett Oil Company, Inc.	Legal Desc.	Township-Section-Range
LOCATION:	Eddy County		--
RIG NAME:	Ensign 436	COMMENT	
STATE:	NM		
COUNTY:	Eddy		
WELL NAME:	Jackson A 55		

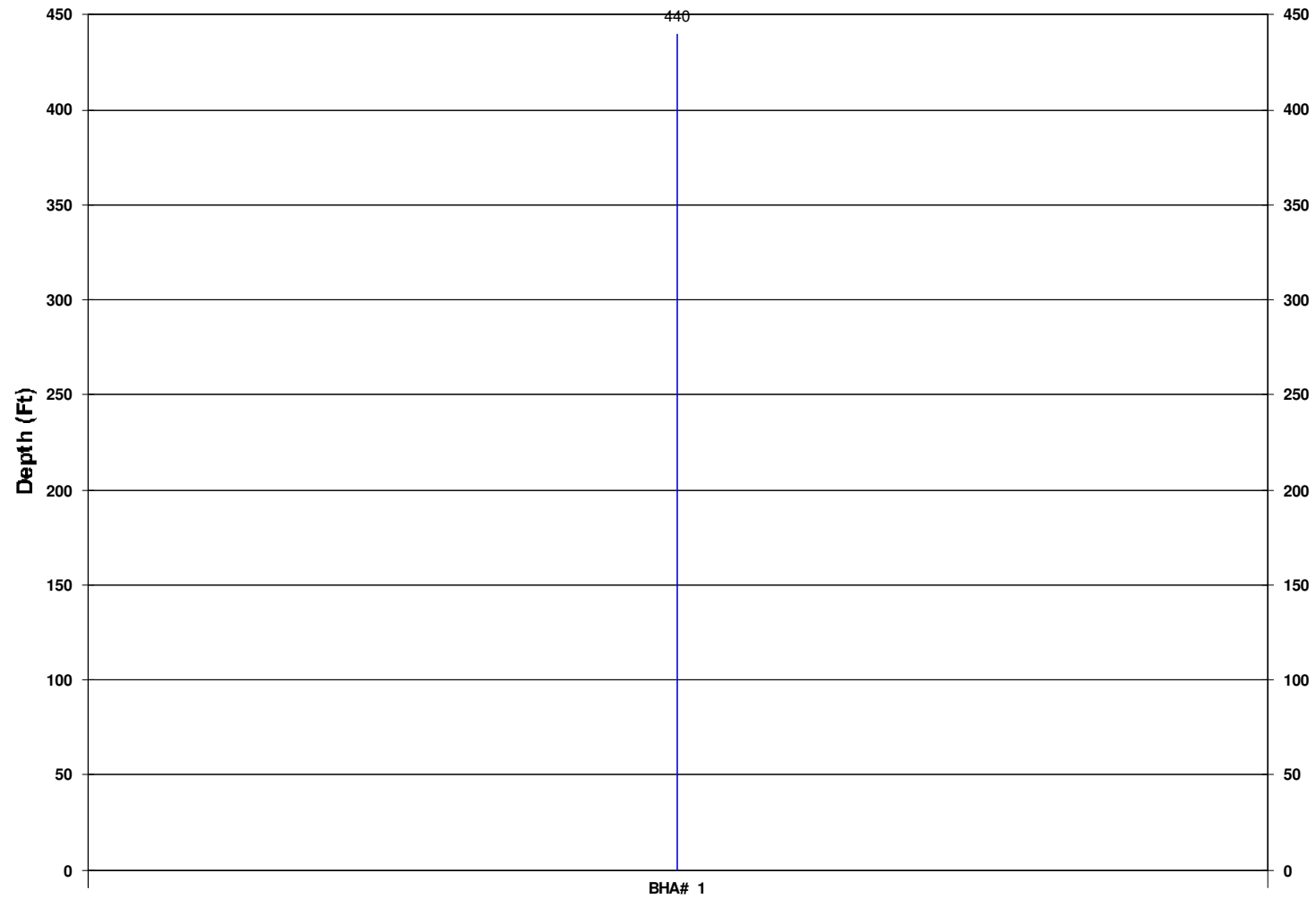
Footage Drilled with BHA



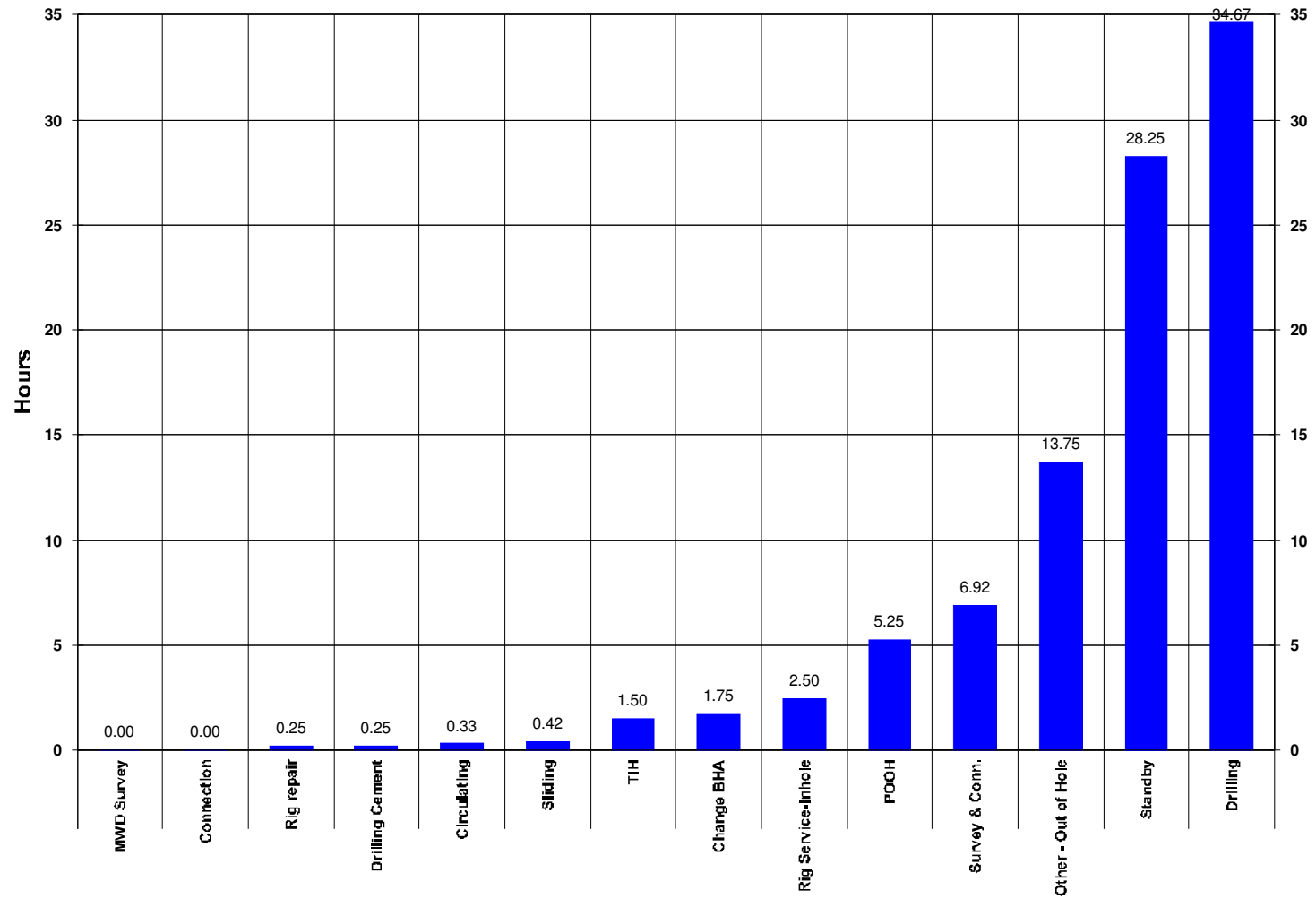
ROP vs BHA



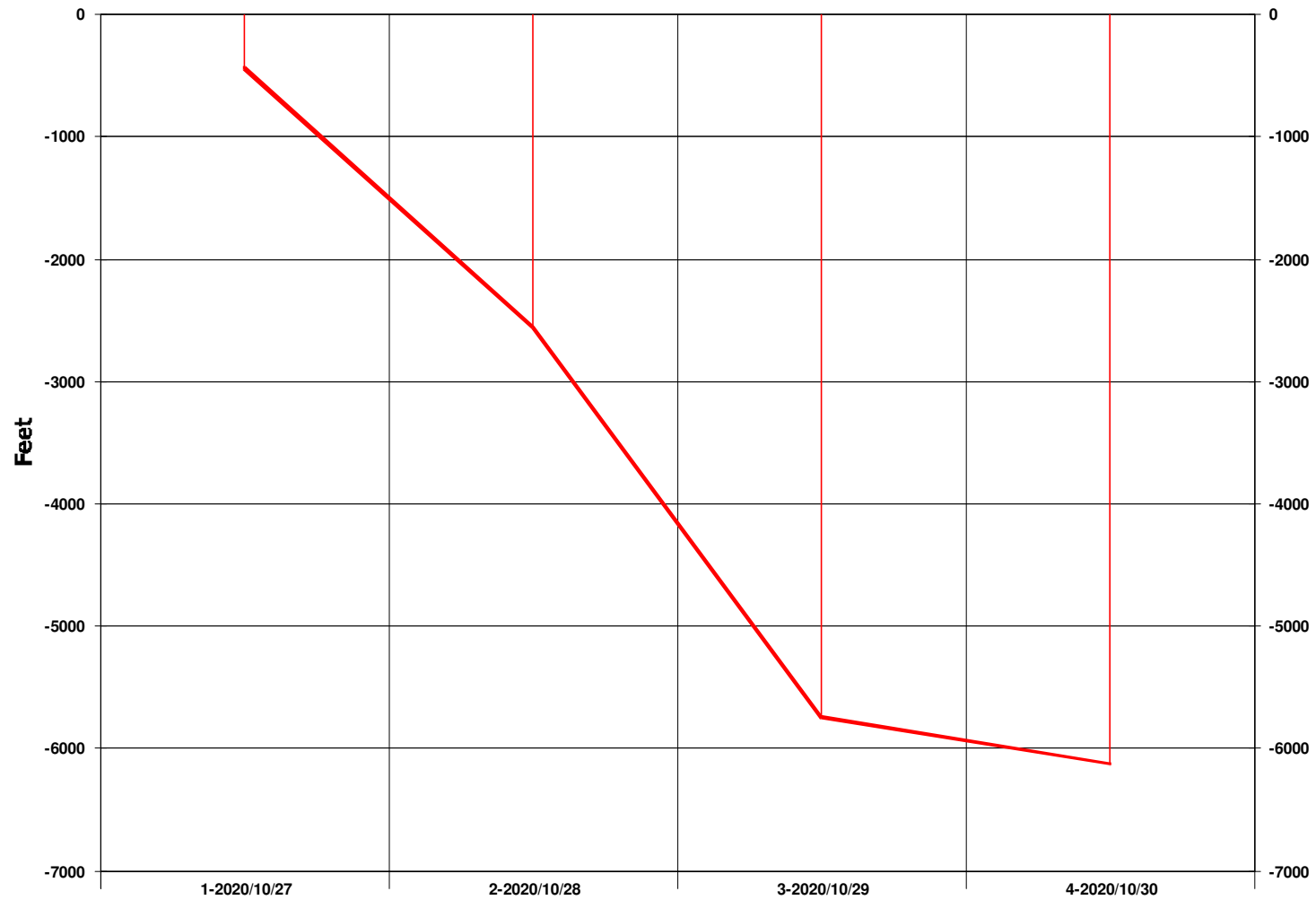
Depth vs BHA



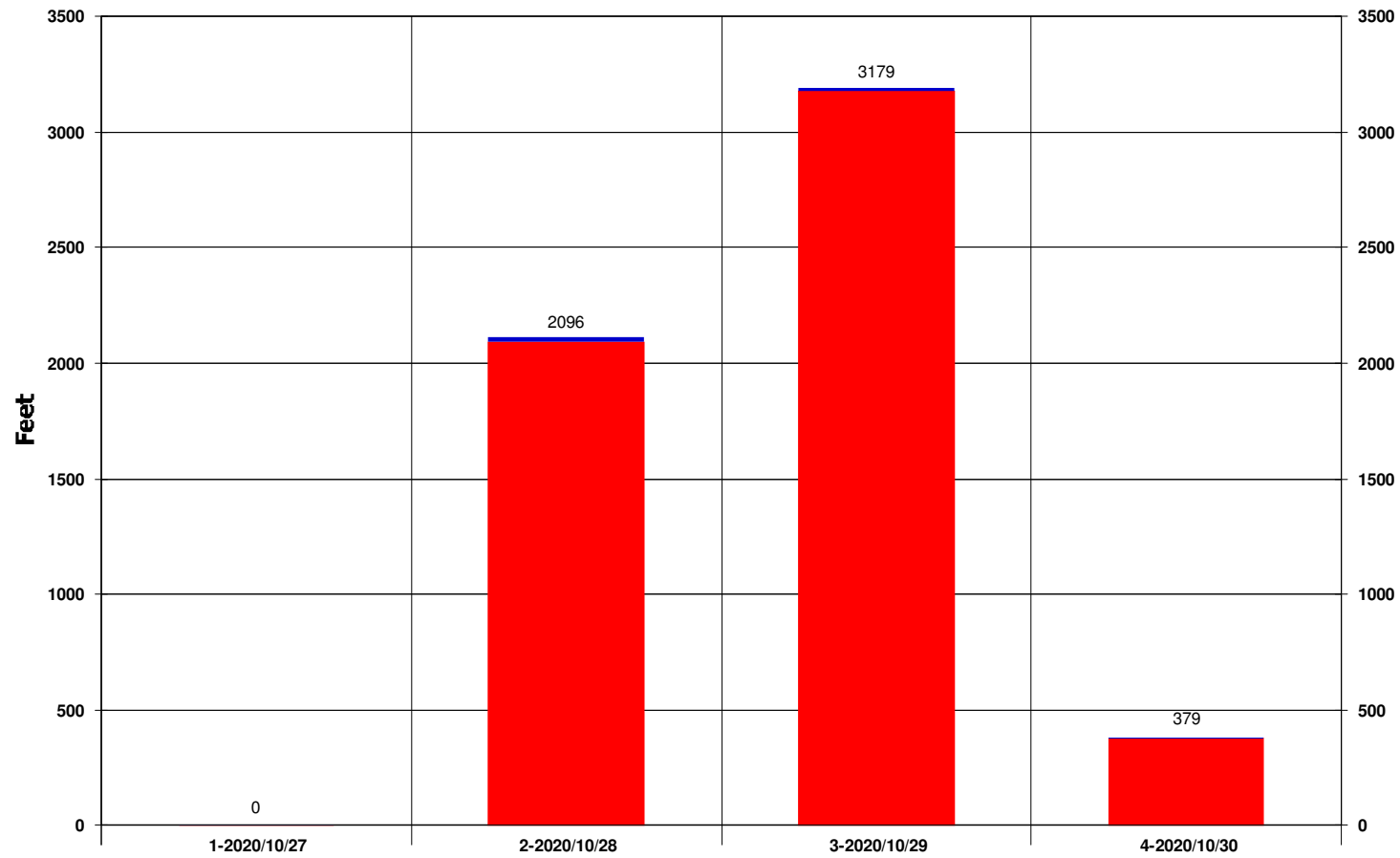
Activity Histogram



Measured Depth vs Days

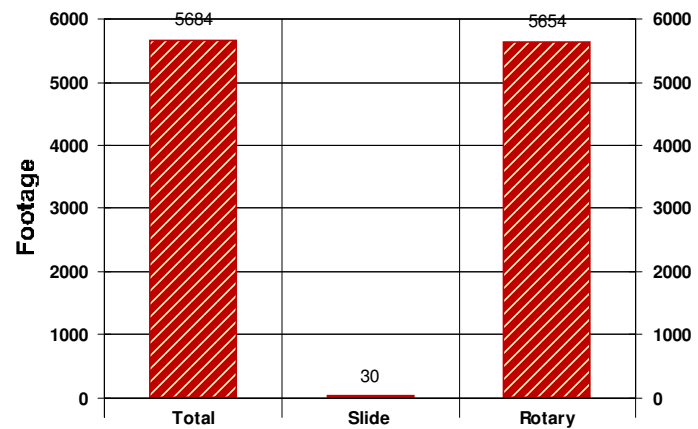


Daily Footage

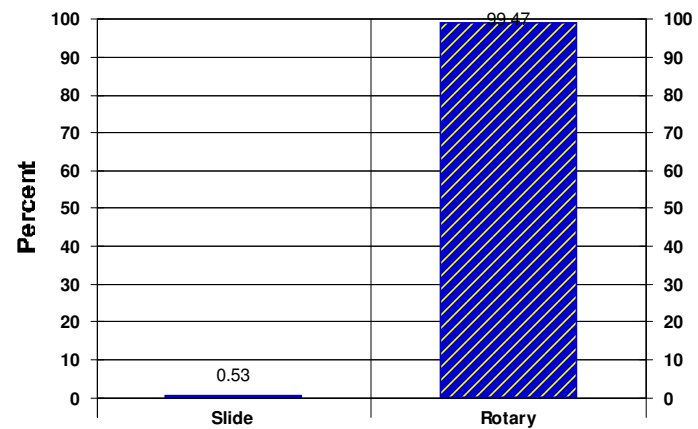


Rotary Drilling Sliding

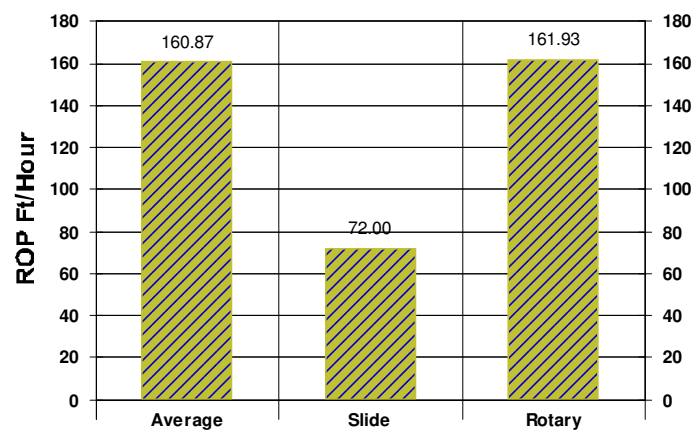
Footage Drilled Totals



Footage Percent



Rate of Penetration Totals



Time Percent

