



PANTHER

Burnett Oil Company, Inc.

Eddy County, NM (NAD 27)

Sec 13-T17S-R30E

Jackson A 61 (NAD 27)

Wellbore #1

Survey: Survey #1

Standard Survey Report

20 November, 2020

Company:	Burnett Oil Company, Inc.	Local Co-ordinate Reference:	Well Jackson A 61 (NAD 27)
Project:	Eddy County, NM (NAD 27)	TVD Reference:	3726+17 @ 3743.0usft
Site:	Sec 13-T17S-R30E	MD Reference:	3726+17 @ 3743.0usft
Well:	Jackson A 61 (NAD 27)	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 27)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Sec 13-T17S-R30E		
Site Position:		Northing:	666,658.80 usft
From:	Map	Easting:	627,108.80 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 49' 55.370 N
		Longitude:	103° 55' 10.269 W
		Grid Convergence:	0.22 °

Well	Jackson A 61 (NAD 27)		
Well Position	+N/-S	0.0 usft	Northing: 665,846.03 usft
	+E/-W	0.0 usft	Easting: 625,791.83 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 49' 47.378 N
		Longitude:	103° 55' 25.740 W
		Ground Level:	3,726.0 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2015	11/20/20	6.79
			Dip Angle (°) 60.51
			Field Strength (nT) 47,902.56399844

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)
	0.0	0.0	0.0
			Direction (°) 323.85

Survey Program	Date	11/20/20		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
353.0	6,138.0	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
353.0	0.90	61.00	353.0	1.3	2.4	-0.3	0.25	0.25	0.00
1st MWD Survey									
475.0	0.48	43.46	475.0	2.2	3.6	-0.4	0.38	-0.34	-14.38
600.0	0.31	350.02	600.0	2.9	3.9	0.0	0.31	-0.14	-42.75
726.0	0.26	12.17	726.0	3.5	3.9	0.5	0.10	-0.04	17.58
852.0	0.18	3.56	852.0	4.0	4.0	0.9	0.07	-0.06	-6.83
978.0	0.62	84.15	978.0	4.3	4.7	0.7	0.49	0.35	63.96
1,104.0	1.32	74.40	1,103.9	4.7	6.8	-0.2	0.57	0.56	-7.74
1,167.0	1.63	65.35	1,166.9	5.3	8.3	-0.6	0.61	0.49	-14.37
1,293.0	1.89	6.02	1,292.9	8.1	10.1	0.6	1.39	0.21	-47.09

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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)
1,419.0	0.88	180.13	1,418.9	9.2	10.3	1.3	2.20	-0.80	138.18
1,545.0	0.66	176.61	1,544.9	7.5	10.4	-0.1	0.18	-0.17	-2.79
1,671.0	0.88	185.05	1,670.8	5.8	10.3	-1.4	0.20	0.17	6.70
1,797.0	0.84	169.76	1,796.8	3.9	10.4	-3.0	0.18	-0.03	-12.13
1,922.0	0.79	174.07	1,921.8	2.2	10.7	-4.5	0.06	-0.04	3.45
2,048.0	0.97	177.58	2,047.8	0.3	10.8	-6.2	0.15	0.14	2.79
2,173.0	1.14	181.71	2,172.8	-2.0	10.8	-8.0	0.15	0.14	3.30
2,298.0	1.41	177.41	2,297.7	-4.8	10.8	-10.3	0.23	0.22	-3.44
2,423.0	1.45	179.34	2,422.7	-7.9	10.9	-12.9	0.05	0.03	1.54
2,549.0	0.84	133.64	2,548.7	-10.2	11.6	-15.1	0.83	-0.48	-36.27
2,675.0	0.79	133.90	2,674.7	-11.4	12.9	-16.8	0.04	-0.04	0.21
2,801.0	0.79	165.10	2,800.7	-12.9	13.8	-18.5	0.34	0.00	24.76
2,926.0	0.70	175.30	2,925.6	-14.5	14.0	-20.0	0.13	-0.07	8.16
2,989.0	0.66	165.19	2,988.6	-15.2	14.2	-20.6	0.20	-0.06	-16.05
3,177.0	0.40	155.70	3,176.6	-16.8	14.7	-22.3	0.15	-0.14	-5.05
3,303.0	2.20	266.00	3,302.6	-17.4	12.5	-21.4	1.88	1.43	87.54
3,428.0	2.11	270.22	3,427.5	-17.6	7.8	-18.8	0.15	-0.07	3.38
3,554.0	1.89	259.67	3,553.4	-17.9	3.4	-16.5	0.34	-0.17	-8.37
3,680.0	1.98	291.31	3,679.4	-17.5	-0.7	-13.7	0.84	0.07	25.11
3,805.0	1.89	291.75	3,804.3	-16.0	-4.6	-10.2	0.07	-0.07	0.35
3,931.0	0.62	347.83	3,930.3	-14.5	-6.7	-7.8	1.29	-1.01	44.51
4,057.0	0.66	342.73	4,056.3	-13.2	-7.0	-6.5	0.06	0.03	-4.05
4,182.0	0.57	345.01	4,181.3	-11.9	-7.4	-5.2	0.07	-0.07	1.82
4,308.0	0.62	338.51	4,307.2	-10.6	-7.8	-4.0	0.07	0.04	-5.16
4,433.0	0.66	344.84	4,432.2	-9.3	-8.2	-2.7	0.06	0.03	5.06
4,558.0	0.62	341.32	4,557.2	-8.0	-8.6	-1.3	0.04	-0.03	-2.82
4,684.0	0.44	329.72	4,683.2	-6.9	-9.1	-0.2	0.17	-0.14	-9.21
4,810.0	0.53	354.86	4,809.2	-5.9	-9.4	0.8	0.18	0.07	19.95
4,936.0	0.75	4.70	4,935.2	-4.5	-9.4	1.9	0.19	0.17	7.81
5,062.0	0.57	20.26	5,061.2	-3.1	-9.1	2.9	0.20	-0.14	12.35
5,188.0	0.48	16.92	5,187.2	-2.0	-8.7	3.5	0.08	-0.07	-2.65
5,314.0	0.53	14.37	5,313.2	-0.9	-8.4	4.2	0.04	0.04	-2.02
5,441.0	0.62	13.58	5,440.2	0.3	-8.1	5.0	0.07	0.07	-0.62
5,503.0	0.57	12.96	5,502.2	0.9	-8.0	5.5	0.08	-0.08	-1.00
5,692.0	0.66	20.52	5,691.2	2.9	-7.4	6.7	0.06	0.05	4.00
5,818.0	0.57	18.24	5,817.2	4.1	-6.9	7.4	0.07	-0.07	-1.81
5,943.0	0.70	22.98	5,942.2	5.4	-6.4	8.2	0.11	0.10	3.79
6,069.0	0.66	25.18	6,068.2	6.8	-5.8	8.9	0.04	-0.03	1.75
Last MWD Survey 6069 MD/6068.2 TVD 6.8 N -5.8 W N: 665852.8 E: 625786.0									
6,138.0	0.66	25.18	6,137.1	7.5	-5.5	9.3	0.00	0.00	0.00
PTB 6138 MD/6137.1 TVD 7.5 N -5.5 W N: 665853.5 E: 625786.3									



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Well:	Jackson A 61 (NAD 27)	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
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Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
353.0	353.0	1.3	2.4	1st MWD Survey
6,069.0	6,068.2	6.8	-5.8	Last MWD Survey 6069 MD/6068.2 TVD 6.8 N -5.8 W N: 665852.8 E: 625786.0
6,138.0	6,137.1	7.5	-5.5	PTB 6138 MD/6137.1 TVD 7.5 N -5.5 W N: 665853.5 E: 625786.3

Checked By: _____	Approved By: _____	Date: _____
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