



PANTHER

Burnett Oil Company, Inc.

Eddy County, NM (NAD 27)

Sec 13-T17S-R30E

Jackson A 59 (NAD 27)

Wellbore #1

Survey: Survey #1

Standard Survey Report

19 November, 2020

Company:	Burnett Oil Company, Inc.	Local Co-ordinate Reference:	Well Jackson A 59 (NAD 27)
Project:	Eddy County, NM (NAD 27)	TVD Reference:	3742+17 @ 3759.0usft
Site:	Sec 13-T17S-R30E	MD Reference:	3742+17 @ 3759.0usft
Well:	Jackson A 59 (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 59 (NAD 27)		
Well Position	+N/-S	0.0 usft	Northing: 666,658.80 usft
	+E/-W	0.0 usft	Easting: 627,108.80 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 49' 55.370 N
		Longitude:	103° 55' 10.269 W
		Ground Level:	3,742.0 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2015	11/19/20	6.79
			Dip Angle (°)
			60.52
			Field Strength (nT)
			47,904.48190008

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 (°)
			178.42

Survey Program	Date	11/19/20		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
447.0	6,160.0	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
447.0	0.88	209.16	447.0	-3.0	-1.7	3.0	0.20	0.20	0.00
1st MWD Survey									
508.0	0.70	217.42	508.0	-3.7	-2.1	3.6	0.35	-0.30	13.54
696.0	0.84	219.44	696.0	-5.7	-3.7	5.6	0.08	0.07	1.07
884.0	0.70	231.22	883.9	-7.5	-5.5	7.3	0.11	-0.07	6.27
947.0	0.66	202.65	946.9	-8.0	-5.9	7.9	0.54	-0.06	-45.35
1,136.0	0.79	128.39	1,135.9	-9.9	-5.3	9.7	0.47	0.07	-39.29
1,262.0	1.32	116.70	1,261.9	-11.0	-3.3	10.9	0.45	0.42	-9.28
1,387.0	1.27	122.06	1,386.9	-12.4	-0.9	12.4	0.10	-0.04	4.29
1,513.0	1.36	136.21	1,512.8	-14.2	1.3	14.3	0.27	0.07	11.23

Company:	Burnett Oil Company, Inc.	Local Co-ordinate Reference:	Well Jackson A 59 (NAD 27)
Project:	Eddy County, NM (NAD 27)	TVD Reference:	3742+17 @ 3759.0usft
Site:	Sec 13-T17S-R30E	MD Reference:	3742+17 @ 3759.0usft
Well:	Jackson A 59 (NAD 27)	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)
1,638.0	1.27	138.32	1,637.8	-16.4	3.3	16.4	0.08	-0.07	1.69
1,764.0	1.05	142.54	1,763.8	-18.3	4.9	18.4	0.19	-0.17	3.35
1,889.0	1.32	237.02	1,888.8	-20.0	4.4	20.1	1.40	0.22	75.58
2,015.0	2.77	204.50	2,014.7	-23.6	1.9	23.6	1.43	1.15	-25.81
2,141.0	2.20	197.03	2,140.6	-28.6	0.0	28.6	0.52	-0.45	-5.93
2,266.0	3.12	192.55	2,265.4	-34.3	-1.5	34.2	0.75	0.74	-3.58
2,392.0	3.47	174.27	2,391.2	-41.4	-1.8	41.3	0.87	0.28	-14.51
2,517.0	3.12	170.93	2,516.0	-48.5	-0.9	48.5	0.32	-0.28	-2.67
2,642.0	3.21	190.09	2,640.8	-55.3	-1.0	55.3	0.85	0.07	15.33
2,768.0	2.86	163.10	2,766.7	-61.8	-0.7	61.8	1.16	-0.28	-21.42
2,893.0	3.47	180.59	2,891.5	-68.6	0.2	68.6	0.91	0.49	13.99
3,020.0	3.43	181.47	3,018.2	-76.2	0.0	76.2	0.05	-0.03	0.69
3,145.0	3.12	179.89	3,143.0	-83.4	-0.1	83.3	0.26	-0.25	-1.26
3,271.0	3.12	181.82	3,268.9	-90.2	-0.2	90.2	0.08	0.00	1.53
3,397.0	3.16	183.05	3,394.7	-97.1	-0.5	97.1	0.06	0.03	0.98
3,521.0	2.99	192.37	3,518.5	-103.7	-1.3	103.6	0.43	-0.14	7.52
3,646.0	3.03	193.78	3,643.3	-110.1	-2.8	110.0	0.07	0.03	1.13
3,772.0	2.81	196.24	3,769.1	-116.3	-4.5	116.1	0.20	-0.17	1.95
3,897.0	4.00	180.51	3,893.9	-123.6	-5.4	123.4	1.20	0.95	-12.58
4,022.0	4.00	179.80	4,018.6	-132.3	-5.4	132.1	0.04	0.00	-0.57
4,148.0	4.04	182.88	4,144.3	-141.1	-5.6	140.9	0.17	0.03	2.44
4,274.0	2.86	173.74	4,270.1	-148.7	-5.5	148.5	1.03	-0.94	-7.25
4,400.0	1.49	133.66	4,396.0	-152.9	-4.0	152.8	1.56	-1.09	-31.81
4,526.0	0.75	44.89	4,522.0	-153.5	-2.2	153.4	1.31	-0.59	-70.45
4,652.0	0.66	72.40	4,648.0	-152.7	-0.9	152.6	0.27	-0.07	21.83
4,778.0	0.92	61.59	4,774.0	-152.0	0.7	151.9	0.24	0.21	-8.58
4,903.0	0.31	66.86	4,898.9	-151.4	1.9	151.4	0.49	-0.49	4.22
5,029.0	0.31	73.72	5,024.9	-151.1	2.5	151.2	0.03	0.00	5.44
5,155.0	0.26	50.25	5,150.9	-150.9	3.0	150.9	0.10	-0.04	-18.63
5,281.0	0.18	64.49	5,276.9	-150.6	3.4	150.6	0.08	-0.06	11.30
5,406.0	0.00	288.17	5,401.9	-150.5	3.6	150.6	0.14	-0.14	0.00
5,531.0	0.09	323.42	5,526.9	-150.4	3.6	150.5	0.07	0.07	0.00
5,657.0	0.04	22.21	5,652.9	-150.3	3.5	150.4	0.06	-0.04	46.66
5,783.0	0.09	319.28	5,778.9	-150.2	3.5	150.2	0.06	0.04	-49.94
5,909.0	0.13	92.88	5,904.9	-150.1	3.5	150.2	0.16	0.03	106.03
6,096.0	0.18	51.22	6,091.9	-150.0	4.0	150.0	0.06	0.03	-22.28
Last MWD Survey 6096 MD/6091.9 TVD -150 S 4.0 E N: 666508.8 E: 627112.7									
6,160.0	0.18	51.22	6,155.9	-149.8	4.1	149.9	0.00	0.00	0.00
PTB 6160 MD/6155.9 TVD -149.8 S 4.1 E N: 666508.9 E: 627112.9									



Company:	Burnett Oil Company, Inc.	Local Co-ordinate Reference:	Well Jackson A 59 (NAD 27)
Project:	Eddy County, NM (NAD 27)	TVD Reference:	3742+17 @ 3759.0usft
Site:	Sec 13-T17S-R30E	MD Reference:	3742+17 @ 3759.0usft
Well:	Jackson A 59 (NAD 27)	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)	
447.0	447.0	-3.0	-1.7	1st MWD Survey
6,096.0	6,091.9	-150.0	4.0	Last MWD Survey 6096 MD/6091.9 TVD -150 S 4.0 E N: 666508.8 E: 627112.7
6,160.0	6,155.9	-149.8	4.1	PTB 6160 MD/6155.9 TVD -149.8 S 4.1 E N: 666508.9 E: 627112.9

Checked By: _____	Approved By: _____	Date: _____
-------------------	--------------------	-------------

Jackson A 59
3742.0
RKB Elevation: 3742+17 @ 3759.0usft
North American Datum 1983
0.00 666722.60 668287.55 32° 49' 55.792 N 103° 55' 12.095 W

