



PANTHER

Burnett Oil Company, Inc.

Eddy County, NM (NAD 27)

Sec 23-T17S-R30E

Gissler B 114 (NAD 27)

Wellbore #1

Survey: Survey #1

Standard Survey Report

30 November, 2020

Company:	Burnett Oil Company, Inc.	Local Co-ordinate Reference:	Well Gissler B 114 (NAD 27)
Project:	Eddy County, NM (NAD 27)	TVD Reference:	3667+17 @ 3684.0usft
Site:	Sec 23-T17S-R30E	MD Reference:	3667+17 @ 3684.0usft
Well:	Gissler B 114 (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 23-T17S-R30E		
Site Position:		Northing:	662,534.43 usft
From:	Map	Easting:	621,183.18 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 49' 14.783 N
		Longitude:	103° 56' 19.897 W
		Grid Convergence:	0.21 °

Well	Gissler B 114 (NAD 27)		
Well Position	+N/-S	0.0 usft	Northing: 662,534.43 usft
	+E/-W	0.0 usft	Easting: 621,183.18 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 49' 14.783 N
		Longitude:	103° 56' 19.897 W
		Ground Level:	3,667.0 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2015	11/30/20	6.80
			Dip Angle (°)
			60.50
			Field Strength (nT)
			47,893.28969662

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 (°)
			0.00

Survey Program	Date	11/30/20		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
461.0	6,402.0	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
461.0	0.62	88.50	461.0	0.1	2.5	0.1	0.13	0.13	0.00
1st MWD Survey									
553.0	0.53	70.22	553.0	0.2	3.4	0.2	0.22	-0.10	-19.87
678.0	0.35	74.62	678.0	0.5	4.3	0.5	0.15	-0.14	3.52
804.0	0.66	44.47	804.0	1.1	5.2	1.1	0.32	0.25	-23.93
930.0	1.41	32.78	930.0	3.0	6.5	3.0	0.62	0.60	-9.28
1,056.0	0.57	14.32	1,055.9	4.9	7.5	4.9	0.70	-0.67	-14.65
1,118.0	0.57	51.50	1,117.9	5.4	7.8	5.4	0.59	0.00	59.97
1,244.0	0.75	226.23	1,243.9	5.2	7.7	5.2	1.05	0.14	138.67
1,369.0	0.48	292.15	1,368.9	4.8	6.7	4.8	0.57	-0.22	52.74

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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)
1,494.0	0.84	345.58	1,493.9	5.9	5.9	5.9	0.54	0.29	42.74
1,621.0	1.01	267.98	1,620.9	6.8	4.6	6.8	0.92	0.13	-61.10
1,809.0	0.70	93.78	1,808.9	6.6	4.1	6.6	0.91	-0.16	-92.66
1,935.0	0.79	81.21	1,934.9	6.7	5.7	6.7	0.15	0.07	-9.98
2,061.0	0.92	39.99	2,060.9	7.6	7.2	7.6	0.49	0.10	-32.71
2,249.0	1.14	321.59	2,248.9	10.2	7.0	10.2	0.70	0.12	-41.70
2,437.0	1.19	25.05	2,436.8	13.5	6.7	13.5	0.65	0.03	33.76
2,563.0	0.13	2.63	2,562.8	14.8	7.3	14.8	0.85	-0.84	-17.79
2,689.0	1.01	190.98	2,688.8	13.9	7.1	13.9	0.90	0.70	-136.23
2,815.0	0.48	188.17	2,814.8	12.2	6.8	12.2	0.42	-0.42	-2.23
2,942.0	0.35	206.37	2,941.8	11.4	6.5	11.4	0.14	-0.10	14.33
3,067.0	0.09	108.98	3,066.8	11.0	6.4	11.0	0.30	-0.21	-77.91
3,192.0	0.53	15.91	3,191.8	11.5	6.7	11.5	0.43	0.35	-74.46
3,318.0	1.32	189.14	3,317.8	10.6	6.6	10.6	1.47	0.63	137.48
3,443.0	1.32	200.39	3,442.7	7.9	5.9	7.9	0.21	0.00	9.00
3,569.0	1.36	198.19	3,568.7	5.1	4.9	5.1	0.05	0.03	-1.75
3,695.0	1.41	206.80	3,694.7	2.3	3.8	2.3	0.17	0.04	6.83
3,821.0	1.36	211.46	3,820.6	-0.4	2.3	-0.4	0.10	-0.04	3.70
3,946.0	1.45	217.70	3,945.6	-2.9	0.5	-2.9	0.14	0.07	4.99
4,073.0	0.88	30.94	4,072.6	-3.3	0.1	-3.3	1.83	-0.45	136.41
4,198.0	0.97	36.47	4,197.6	-1.6	1.2	-1.6	0.10	0.07	4.42
4,324.0	1.01	305.59	4,323.6	-0.1	0.9	-0.1	1.12	0.03	-72.13
4,512.0	0.48	89.12	4,511.6	0.8	0.3	0.8	0.76	-0.28	76.35
4,638.0	0.79	125.24	4,637.5	0.3	1.6	0.3	0.39	0.25	28.67
4,763.0	0.75	106.52	4,762.5	-0.4	3.1	-0.4	0.20	-0.03	-14.98
4,889.0	0.92	102.48	4,888.5	-0.8	4.8	-0.8	0.14	0.13	-3.21
5,014.0	1.10	121.73	5,013.5	-1.7	6.8	-1.7	0.31	0.14	15.40
5,210.0	0.62	62.22	5,209.5	-2.2	9.4	-2.2	0.48	-0.24	-30.36
5,335.0	0.22	111.27	5,334.5	-2.0	10.2	-2.0	0.40	-0.32	39.24
5,461.0	0.13	84.11	5,460.5	-2.0	10.6	-2.0	0.10	-0.07	-21.56
5,587.0	0.70	9.49	5,586.5	-1.3	10.8	-1.3	0.54	0.45	-59.22
5,713.0	1.14	1.67	5,712.5	0.8	11.0	0.8	0.36	0.35	-6.21
5,901.0	1.36	338.29	5,900.4	4.7	10.2	4.7	0.29	0.12	-12.44
6,026.0	1.14	325.11	6,025.4	7.1	9.0	7.1	0.29	-0.18	-10.54
6,151.0	1.10	343.39	6,150.4	9.3	7.9	9.3	0.29	-0.03	14.62
6,277.0	1.23	66.27	6,276.3	11.0	8.8	11.0	1.23	0.10	65.78
6,340.0	1.54	62.05	6,339.3	11.6	10.2	11.6	0.52	0.49	-6.70
Last MWD Survey 6340 MD/6339.3 TVD 11.6 N 10.2 E N: 662546.0 E: 621193.3									
6,402.0	1.54	62.05	6,401.3	12.4	11.7	12.4	0.00	0.00	0.00
PTB 6402 MD/6401.3 TVD 12.4 N 11.7 E N: 662546.8 E: 621194.8									



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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)	
461.0	461.0	0.1	2.5	1st MWD Survey
6,340.0	6,339.3	11.6	10.2	Last MWD Survey 6340 MD/6339.3 TVD 11.6 N 10.2 E N: 662546.0 E: 621193.
6,402.0	6,401.3	12.4	11.7	PTB 6402 MD/6401.3 TVD 12.4 N 11.7 E N: 662546.8 E: 621194.8

Checked By: _____	Approved By: _____	Date: _____
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Project: Eddy County, NM (NAD 27)
Site: Sec 23-T17S-R30E
Well: Gissler B 114 (NAD 27)
Wellbore: Wellbore #1
Survey: Survey #1 (Gissler B 114 (NAD 27)/Wellbore #1)

Gissler B 114 (NAD 27)
3667.0
RKB Elevation: 3667+17 @ 3684.0usft
North American Datum 1983
0.00 662534.42 621183.18 32° 49' 14.783 N 103° 56' 19.897 W

