



PANTHER

Burnett Oil Company, Inc.

Eddy County, NM (NAD 27)

Sec 13-T17S-R30E

Stevens A 21 (NAD 27)

Wellbore #1

Survey: Survey #1

Standard Survey Report

24 November, 2020

Company:	Burnett Oil Company, Inc.	Local Co-ordinate Reference:	Well Stevens A 21 (NAD 27)
Project:	Eddy County, NM (NAD 27)	TVD Reference:	3691+17 @ 3708.0usft
Site:	Sec 13-T17S-R30E	MD Reference:	3691+17 @ 3708.0usft
Well:	Stevens A 21 (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	Stevens A 21 (NAD 27)		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 49' 40.875 N
		Longitude:	103° 55' 45.991 W
		Ground Level:	3,691.0 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2015	11/24/20	6.79
			Dip Angle (°)
			60.51
			Field Strength (nT)
			47,900.04258651

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 (°)
			269.91

Survey Program	Date	11/24/20		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
476.0	6,145.0	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
476.0	1.14	258.26	476.0	-1.0	-4.6	4.6	0.24	0.24	0.00
1st MWD Survey									
570.0	1.19	239.36	569.9	-1.7	-6.4	6.4	0.41	0.05	-20.11
696.0	1.10	238.74	695.9	-2.9	-8.6	8.6	0.07	-0.07	-0.49
822.0	1.05	251.66	821.9	-3.9	-10.7	10.7	0.20	-0.04	10.25
947.0	0.53	239.45	946.9	-4.6	-12.3	12.3	0.43	-0.42	-9.77
1,073.0	0.09	100.50	1,072.9	-4.9	-12.7	12.7	0.48	-0.35	-110.28
1,199.0	0.26	55.67	1,198.9	-4.8	-12.3	12.3	0.16	0.13	-35.58
1,325.0	1.93	324.96	1,324.9	-2.9	-13.3	13.3	1.55	1.33	-71.99
1,450.0	2.51	287.26	1,449.8	-0.3	-17.1	17.1	1.23	0.46	-30.16

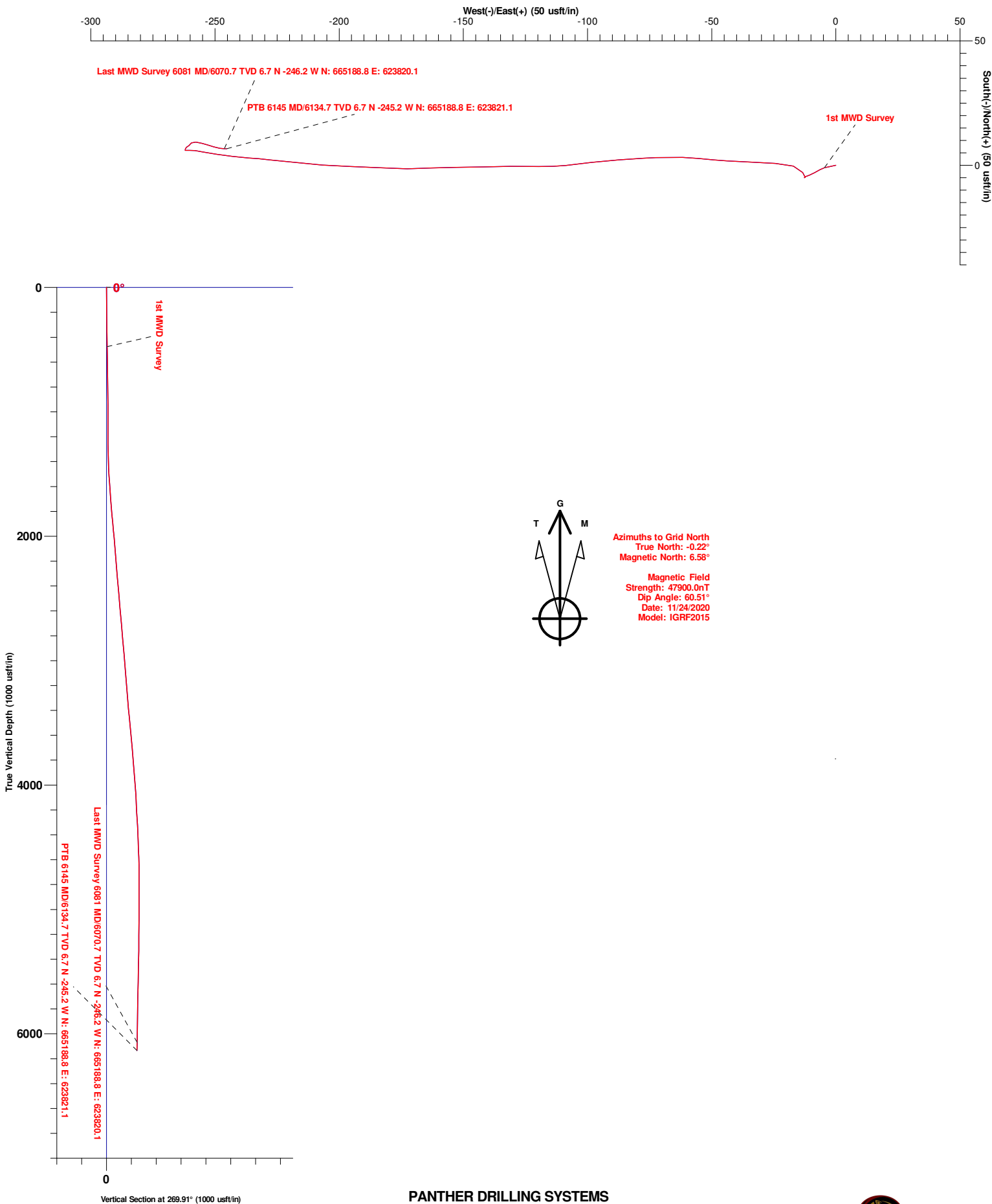
Company:	Burnett Oil Company, Inc.	Local Co-ordinate Reference:	Well Stevens A 21 (NAD 27)
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Site:	Sec 13-T17S-R30E	MD Reference:	3691+17 @ 3708.0usft
Well:	Stevens A 21 (NAD 27)	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	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)
1,576.0	4.18	273.55	1,575.6	0.8	-24.4	24.4	1.46	1.33	-10.88
1,702.0	4.31	272.58	1,701.2	1.3	-33.7	33.7	0.12	0.10	-0.77
1,827.0	4.79	273.11	1,825.8	1.8	-43.6	43.6	0.39	0.38	0.42
1,953.0	6.02	276.45	1,951.3	2.8	-55.4	55.4	1.01	0.98	2.65
2,017.0	5.36	270.56	2,014.9	3.2	-61.7	61.7	1.38	-1.03	-9.20
2,142.0	4.62	268.27	2,139.5	3.1	-72.6	72.6	0.61	-0.59	-1.83
2,205.0	4.35	265.99	2,202.3	2.9	-77.5	77.5	0.51	-0.43	-3.62
2,330.0	4.75	266.87	2,326.9	2.2	-87.4	87.4	0.32	0.32	0.70
2,456.0	5.19	262.61	2,452.4	1.2	-98.3	98.3	0.46	0.35	-3.38
2,582.0	4.48	263.88	2,578.0	0.0	-108.8	108.8	0.57	-0.56	1.01
2,708.0	5.32	270.91	2,703.5	-0.5	-119.5	119.5	0.82	0.67	5.58
2,832.0	5.23	269.68	2,827.0	-0.4	-130.9	130.9	0.12	-0.07	-0.99
2,958.0	5.05	268.01	2,952.5	-0.6	-142.2	142.2	0.19	-0.14	-1.33
3,084.0	4.62	269.77	3,078.0	-0.8	-152.8	152.8	0.36	-0.34	1.40
3,209.0	4.62	267.40	3,202.6	-1.1	-162.9	162.9	0.15	0.00	-1.90
3,334.0	4.26	269.15	3,327.2	-1.4	-172.6	172.6	0.31	-0.29	1.40
3,459.0	5.67	274.34	3,451.8	-1.0	-183.4	183.4	1.18	1.13	4.15
3,584.0	5.19	270.91	3,576.2	-0.4	-195.2	195.2	0.46	-0.38	-2.74
3,710.0	5.27	274.78	3,701.7	0.1	-206.7	206.7	0.29	0.06	3.07
3,836.0	4.88	275.75	3,827.2	1.2	-217.8	217.8	0.32	-0.31	0.77
3,962.0	4.44	276.18	3,952.8	2.2	-227.9	227.9	0.35	-0.35	0.34
4,088.0	3.21	273.37	4,078.5	3.0	-236.3	236.3	0.99	-0.98	-2.23
4,213.0	2.90	277.68	4,203.3	3.6	-242.9	242.9	0.31	-0.25	3.45
4,339.0	2.81	277.68	4,329.1	4.4	-249.2	249.1	0.07	-0.07	0.00
4,465.0	2.81	281.81	4,455.0	5.5	-255.2	255.2	0.16	0.00	3.28
4,591.0	1.71	267.22	4,580.9	6.0	-260.1	260.1	0.98	-0.87	-11.58
4,717.0	0.09	21.30	4,706.9	6.0	-262.0	262.0	1.39	-1.29	90.54
4,843.0	0.04	343.68	4,832.9	6.1	-262.0	261.9	0.05	-0.04	-29.86
4,968.0	0.40	10.49	4,957.9	6.6	-261.9	261.9	0.29	0.29	21.45
5,094.0	0.40	60.94	5,083.9	7.3	-261.4	261.4	0.27	0.00	40.04
5,219.0	0.70	46.88	5,208.9	8.0	-260.5	260.5	0.26	0.24	-11.25
5,345.0	0.62	41.96	5,334.9	9.0	-259.5	259.5	0.08	-0.06	-3.90
5,471.0	1.19	97.94	5,460.8	9.4	-257.7	257.7	0.78	0.45	44.43
5,596.0	1.14	103.30	5,585.8	8.9	-255.2	255.2	0.10	-0.04	4.29
5,722.0	1.10	110.95	5,711.8	8.2	-252.9	252.9	0.12	-0.03	6.07
5,847.0	1.19	104.80	5,836.8	7.4	-250.5	250.5	0.12	0.07	-4.92
5,973.0	1.05	99.44	5,962.8	6.9	-248.1	248.1	0.14	-0.11	-4.25
6,081.0	0.92	90.12	6,070.7	6.7	-246.2	246.2	0.19	-0.12	-8.63
Last MWD Survey 6081 MD/6070.7 TVD 6.7 N -246.2 W N: 665188.8 E: 623820.1									
6,145.0	0.92	90.12	6,134.7	6.7	-245.2	245.2	0.00	0.00	0.00
PTB 6145 MD/6134.7 TVD 6.7 N -245.2 W N: 665188.8 E: 623821.1									

Burnett Oil Company, Inc.
Project: Eddy County, NM (NAD 27)
Site: Sec 13-T17S-R30E
Well: Stevens A 21 (NAD 27)
Wellbore: Wellbore #1
Survey: Survey #1 (Stevens A 21 (NAD 27)/Wellbore #1)

0.00 665182.15 624066.41 32° 49' 40.875 N 103° 55' 45.991 W

Stevens A 21 (NAD 27)
3691.0
RKB Elevation: 3691+17 @ 3708.0usft
North American Datum 1983





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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)	
476.0	476.0	-1.0	-4.6	1st MWD Survey
6,081.0	6,070.7	6.7	-246.2	Last MWD Survey 6081 MD/6070.7 TVD 6.7 N -246.2 W N: 665188.8 E: 623821.1
6,145.0	6,134.7	6.7	-245.2	PTB 6145 MD/6134.7 TVD 6.7 N -245.2 W N: 665188.8 E: 623821.1

Checked By: _____	Approved By: _____	Date: _____
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