



Burnett Oil Company, Inc.

Eddy County, NM (NAD 27)

Sec 13-T17S-R30E

Stevens A 23 (NAD 27)

Wellbore #1

Survey: Survey #1

Standard Survey Report

20 November, 2020

Company:	Burnett Oil Company, Inc.	Local Co-ordinate Reference:	Well Stevens A 23 (NAD 27
Project:	Eddy County, NM (NAD 27)	TVD Reference:	3713+17 @ 3730.0usft
Site:	Sec 13-T17S-R30E	MD Reference:	3713+17 @ 3730.0usft
Well:	Stevens A 23 (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 23 (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° 50' 3.424 N
		Longitude:	103° 55' 41.352 W
		Ground Level:	3,713.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	11/20/20	6.80	60.52	47,904.80997230

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	184.87	

Survey Program	Date	11/20/20			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
409.0	6,100.0	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
409.0	1.85	291.93	408.9	2.5	-6.1	-1.9	0.45	0.45	0.00
1st MWD Survey									
470.0	2.15	297.82	469.9	3.4	-8.1	-2.7	0.60	0.49	9.66
594.0	2.51	237.96	593.8	3.0	-12.4	-1.9	1.89	0.29	-48.27
720.0	0.44	286.21	719.8	1.7	-15.2	-0.4	1.78	-1.64	38.29
846.0	0.31	200.61	845.8	1.5	-15.8	-0.2	0.41	-0.10	-67.94
973.0	0.18	142.60	972.8	1.0	-15.8	0.3	0.21	-0.10	-45.68
1,098.0	0.57	103.05	1,097.8	0.7	-15.1	0.6	0.36	0.31	-31.64
1,161.0	0.66	104.10	1,160.8	0.6	-14.4	0.7	0.14	0.14	1.67
1,287.0	1.41	169.32	1,286.7	-1.1	-13.4	2.3	1.02	0.60	51.76

Company:	Burnett Oil Company, Inc.	Local Co-ordinate Reference:	Well Stevens A 23 (NAD 27
Project:	Eddy County, NM (NAD 27)	TVD Reference:	3713+17 @ 3730.0usft
Site:	Sec 13-T17S-R30E	MD Reference:	3713+17 @ 3730.0usft
Well:	Stevens A 23 (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)
1,412.0	3.74	182.68	1,411.6	-6.7	-13.3	7.8	1.91	1.86	10.69
1,537.0	5.36	186.37	1,536.2	-16.6	-14.2	17.7	1.32	1.30	2.95
1,724.0	5.49	187.34	1,722.4	-34.1	-16.3	35.4	0.09	0.07	0.52
1,850.0	6.33	188.48	1,847.7	-47.0	-18.1	48.4	0.67	0.67	0.90
1,913.0	5.93	187.95	1,910.3	-53.7	-19.0	55.1	0.64	-0.63	-0.84
1,976.0	5.49	189.01	1,973.0	-59.9	-20.0	61.3	0.72	-0.70	1.68
2,102.0	5.85	190.15	2,098.4	-72.1	-22.0	73.7	0.30	0.29	0.90
2,227.0	6.20	184.52	2,222.7	-85.1	-23.7	86.8	0.55	0.28	-4.50
2,354.0	6.59	183.12	2,348.9	-99.2	-24.6	101.0	0.33	0.31	-1.10
2,479.0	5.76	182.33	2,473.2	-112.7	-25.3	114.4	0.67	-0.66	-0.63
2,604.0	6.42	178.64	2,597.5	-125.9	-25.4	127.6	0.61	0.53	-2.95
2,729.0	6.64	185.58	2,721.7	-140.1	-25.9	141.8	0.66	0.18	5.55
2,854.0	6.33	186.63	2,845.9	-154.1	-27.4	155.9	0.27	-0.25	0.84
2,980.0	6.07	186.63	2,971.1	-167.7	-29.0	169.5	0.21	-0.21	0.00
3,105.0	5.89	186.81	3,095.5	-180.6	-30.5	182.5	0.14	-0.14	0.14
3,231.0	5.19	182.85	3,220.9	-192.7	-31.5	194.7	0.63	-0.56	-3.14
3,358.0	6.24	182.24	3,347.2	-205.3	-32.1	207.3	0.83	0.83	-0.48
3,484.0	6.11	182.15	3,472.5	-218.9	-32.6	220.9	0.10	-0.10	-0.07
3,549.0	6.07	182.77	3,537.1	-225.8	-32.9	227.7	0.12	-0.06	0.95
3,734.0	5.89	181.36	3,721.1	-245.0	-33.6	247.0	0.13	-0.10	-0.76
3,860.0	5.93	182.33	3,846.5	-258.0	-34.0	260.0	0.09	0.03	0.77
3,986.0	5.67	183.21	3,971.8	-270.7	-34.6	272.7	0.22	-0.21	0.70
4,111.0	5.32	183.21	4,096.2	-282.7	-35.3	284.6	0.28	-0.28	0.00
4,237.0	4.40	193.58	4,221.8	-293.2	-36.8	295.3	1.01	-0.73	8.23
4,362.0	2.64	226.45	4,346.6	-299.8	-40.0	302.2	2.09	-1.41	26.30
4,488.0	0.40	207.90	4,472.5	-302.2	-42.3	304.7	1.80	-1.78	-14.72
4,613.0	0.18	251.32	4,597.5	-302.7	-42.7	305.2	0.24	-0.18	34.74
4,739.0	0.79	26.76	4,723.5	-302.0	-42.5	304.5	0.74	0.48	107.49
4,865.0	1.27	43.99	4,849.5	-300.2	-41.1	302.6	0.45	0.38	13.67
4,991.0	1.27	45.39	4,975.5	-298.2	-39.2	300.4	0.02	0.00	1.11
5,117.0	1.19	47.68	5,101.4	-296.3	-37.2	298.4	0.07	-0.06	1.82
5,243.0	1.01	49.52	5,227.4	-294.7	-35.4	296.7	0.15	-0.14	1.46
5,369.0	1.10	43.11	5,353.4	-293.1	-33.7	294.9	0.12	0.07	-5.09
5,495.0	1.05	31.95	5,479.4	-291.3	-32.3	293.0	0.17	-0.04	-8.86
5,621.0	1.14	30.72	5,605.3	-289.2	-31.0	290.8	0.07	0.07	-0.98
5,747.0	1.05	26.85	5,731.3	-287.1	-29.9	288.6	0.09	-0.07	-3.07
5,873.0	1.23	31.07	5,857.3	-284.9	-28.6	286.3	0.16	0.14	3.35
5,999.0	1.14	26.59	5,983.3	-282.6	-27.4	283.9	0.10	-0.07	-3.56
6,043.0	1.27	29.13	6,027.3	-281.8	-26.9	283.1	0.32	0.30	5.77
Last MWD Survey 6043 MD/6027.3 TVD -281.8 S -26.9 W N: 667180.5 E: 624426.5									
6,100.0	1.27	29.13	6,084.2	-280.7	-26.3	281.9	0.00	0.00	0.00
PTB 6100 MD/6084.2 TVD -280.7 S -26.3 W N: 667181.7 E: 624427.1									



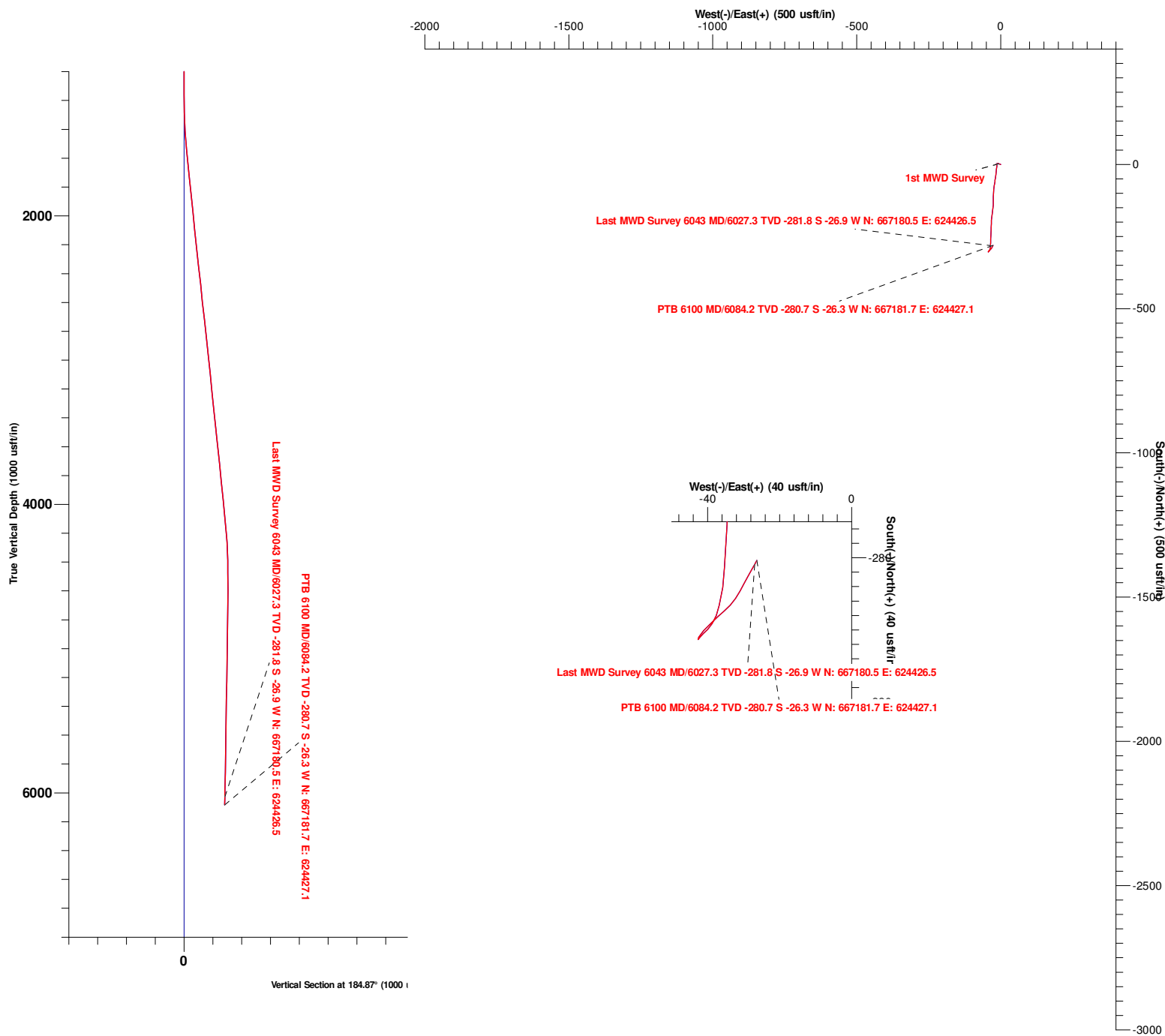
Company:	Burnett Oil Company, Inc.	Local Co-ordinate Reference:	Well Stevens A 23 (NAD 27
Project:	Eddy County, NM (NAD 27)	TVD Reference:	3713+17 @ 3730.0usft
Site:	Sec 13-T17S-R30E	MD Reference:	3713+17 @ 3730.0usft
Well:	Stevens A 23 (NAD 27	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation 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)	
409.0	408.9	2.5	-6.1	1st MWD Survey
6,043.0	6,027.3	-281.8	-26.9	Last MWD Survey 6043 MD/6027.3 TVD -281.8 S -26.9 W N: 667180.5 E: 6244
6,100.0	6,084.2	-280.7	-26.3	PTB 6100 MD/6084.2 TVD -280.7 S -26.3 W N: 667181.7 E: 624427.1

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

Burnett Oil Company, Inc.
 Project: Eddy County, NM (NAD 27)
 Site: Sec 13-T17S-R30E
 Well: Stevens A 23 (NAD 27)
 Wellbore: Wellbore #1
 Survey: Survey #1 (Stevens A 23 (NAD 27/Wellbore #1))

Stevens A 23 (NAD 27)
 3713.0
 RKB Elevation: 3713+17 @ 3730.0usft
 North American Datum 1983
 0.00 667462.41 624453.52 32° 50' 3.424 N 103° 55' 41.352 W



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

Magnetic Field
 Strength: 47904.8nT
 Dip Angle: 60.52°
 Date: 11/20/2020
 Model: IGRF2015

Section Details

No plan data is available

DESIGN TARGET DETAILS

No target data is available.