

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Mack Energy Corporation P.O. Box 960 Artesia, NM 88210		² OGRID Number 013837
		³ Reason for Filing Code/ Effective Date NW 3/7/2018
⁴ API Number 30 - 0 15-43530	⁵ Pool Name Fren; Glorieta Yeso	⁶ Pool Code 26770
⁷ Property Code 08635	⁸ Property Name Partition 13 Fed NC	⁹ Well Number 5H

II. ¹⁰ Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
NENW	24	17S	31E		255	FNL	2590	FWL	Eddy

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
NENW	13	17S	31E		289	FNL	2291	FWL	Eddy
¹² Lse Code F	¹³ Producing Method P Code	¹⁴ Gas Connection Date 3/7/2018	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
278421	Holly Marketing & Refining Co, LLC P.O. Box 1600 Artesia, NM 88211-1600	O
036788	DCP Midstream 4001 Penbrook Odessa, TX 79762	G

IV. Well Completion Data

²¹ Spud Date 1/19/2018	²² Ready Date 3/7/2018	²³ TD 10386	²⁴ PBTD 10364	²⁵ Perforations 5164-5253	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17	13.375	720	690		
12.25	9.625	1915	685		
8.5 & 7.875	7 & 5.5	4723 4723- 10466			
	2.875 tubing	4659			

V. Well Test Data

³¹ Date New Oil 3/7/2018	³² Gas Delivery Date 3/7/2018	³³ Test Date 3/18/2018	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 393	³⁹ Water 1760	⁴⁰ Gas 396		⁴¹ Test Method
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Deana Weaver</i>			OIL CONSERVATION DIVISION Approved by: DENIED Title: Approval Date: Well Logs missing. Highlighted areas on C-104 & attached require revisions. Resubmit once corrected. Take a look at well files and sundries to match.		
Printed name: Deana Weaver					
Title: Production Clerk					
E-mail Address: dweaver@mec.com					
Date: 5/5/2020		Phone: 575-748-1288			

BOTTOM HOLE LOCATION

Lal - N 32.841012°
Long - W 103.823745°
NMSPC- E 858511.7
(NAD-27)
(NAVY-88)

FIRST TAKE POINT

335 FNL & 2290 FWL
Lal - N 32.840900°
Long - W 103.823743°
NMSPC- N 670007.9
E 656512.6
(NAD-27)
(NAVY-88)

SURFACE LOCATION

KICK OFF POINT
Lal - N 32.826287°
Long - W 103.822755°
NMSPC- N 664806.1
E 656840.9
(NAD-27)
(NAVY-88)

Well Location Data:

- N: 670326.2
E: 654220.7
NAD 27
- N: 670340.9
E: 656865.3
NAD 27
- N: 670360.3
E: 659503.4
NAD 27
- N: 665078.8
E: 659533.6
NAD 27
- N: 665061.5
E: 656891.8
NAD 27
- N: 669799.1
E: 659563.3
NAD 27

Distances and Bearings:

- 2290'
- 290'
- 13'
- 2590'
- 235'
- 3912.3'
- 3913.2'
- 3901.1'
- 3908.2'

Operator Certification:

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order hereafter entered by the division.

Signature: *Terry W. Sherrill* Date: *1/27/2014*

Printed Name: *Terry W. Sherrill*

Email Address: *terry@semec.com*

Surveyor Certification:

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

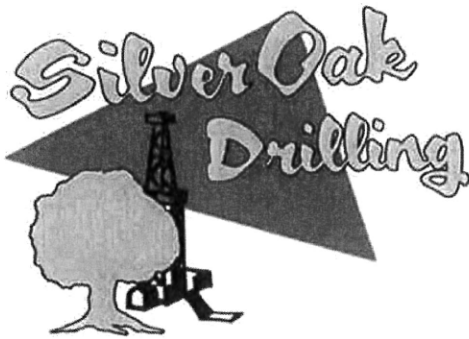
Date Surveyed: *OCTOBER 02, 2014*

Signature: *[Signature]*

Professional Surveyor: *7977*

Certified By: *Dary L. Jones* 7977

Scale: 1" = 1000'
WO Num: 30942



PO Box 1370
Artesia, NM 88211-1370
(575) 748-1288

EMNRD-OCD ARTESIA
REC'D: 05/05/2020

February 12, 2018

Burnett Oil Co., Inc.
Burnett Plaza – Suite 1500
801 Cherry St
Fort Worth, TX 76102-6881

RE: Partition 13 Fed NC 5H
255' FNL & 2590' FWL
Sec. 31, T17S, R24E
Eddy County, New Mexico

Dear Sir,

The attached is the Deviation Survey for the above captioned well.

Very truly yours,

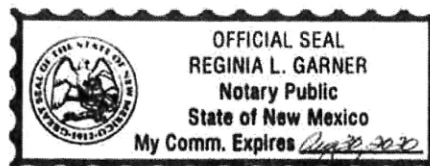
A handwritten signature in black ink, appearing to read "Chris Graham".

Chris Graham
Asst. Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 12th day of February, 2018.

A handwritten signature in black ink, appearing to read "Regina L. Garner".

Notary Public

Partition 13 Fed NC 5H				
Depth	Deviation	Direction	TVD	Horiz Disp
265	0.30	110.80		
453	0.40			
180	0.30	114.80		
645	0.20	123.80		
702	0.20	71.80		
755	0.60	57.80		
943	0.30	103.10		
1133	0.30	111.10		
1320	0.50	74.00		
1507	0.40	88.40		
1696	0.60	54.90		
1873	0.70	9.30		
2019	0.70	17.50		
2207	0.20	352.00		
2585	0.90	2529.00		
2774	0.90	2611.20		
2865	1.00	265.40		
3055	1.00	245.40		
3429	1.20	256.50		
3616	0.80	73.00		
3803	1.00	87.50		
3989	1.20	66.70		
4361	1.30	83.80		
4552	1.50	86.60		
4740	0.60	46.70	4739.00	
4787	2.20	351.80		
4833	4.40	341.90	4832.44	
4959	17.30	357.50		
5022	25.50	332.10		
5488	55.50	326.20		
5676	69.60	338.00		
5770	75.70	345.90		
5889	84.20	352.90		
5983	84.30	3533.00		
6077	84.40	353.70		
6175	90.60	355.90		
6269	90.70	0.90		
6364	89.10	1.80		
6551	89.30	0.30		
6738	89.30	1.00		
6832	89.50	1.50		
6926	89.70	0.02		

Depth	Deviation	Direction	TVD	Horiz Disp
7019	90.90	358.70		
7113	90.50	358.20		
7206	90.60	358.80		
7393	91.10	0.00		
7578	91.70	0.50		
7672	91.20	359.90		
7766	92.10	0.00		
7859	91.40	359.70		
7953	91.30	0.10	5482.00	2744.65
8047	89.80	0.30	5481.97	2838.44
8141	90.10	0.30	5482.05	2932.00
8233	90.80	0.50	5481.33	3024.00
8326	89.80	0.70	5480.85	3116.75
8420	90.00	1.20	5481.00	3210.40
8514	89.90	1.50	5481.00	3304.10
8608	90.20	1.60	5481.00	3397.72
8701	89.80	1.40	5481.00	3490.36
8795	89.40	1.70	5481.00	3583.97
8888	90.50	0.60	5481.75	3676.65
8981	91.00	1.20	5480.53	3769.36
9076	90.30	0.60	5479.45	3864.06
9171	91.00	0.00	5477.84	3958.98
9265	91.30	359.90	5476.00	4052.64
9359	91.10	359.70	5474.00	4146.45
9452	91.10	359.90	5472.00	4239.27
9545	89.90	358.80	5471.00	4332.14
9642	90.10	359.00	5471.40	4429.19
9735	90.20	359.50	5471.15	4522.08
9828	89.80	359.70	5471.15	4614.94
9921	89.90	0.00	5491.37	4707.97
10014	89.50	359.00	5471.88	4800.63
10107	90.50	358.70	5421.88	4893.54
10200	90.20	358.70		
10293	90.80	359.00		

Burnett Oil Company, INC

Eddy County, NM

Sec.24, T.17 S., R. 31 E.

Partition 13 FED NC #5H

Wellbore #1

Survey: Survey #1

Standard Survey Report

08 February, 2018

Survey Report

Company:	Burnett Oil Company, INC	Local Co-ordinate Reference:	Well Partition 13 FED NC #5H
Project:	Eddy County, NM	TVD Reference:	KB=21.5 @ 3928.50ft
Site:	Sec.24, T.17 S., R. 31 E.	MD Reference:	KB=21.5 @ 3928.50ft
Well:	Partition 13 FED NC #5H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1

Project	Eddy County, NM		
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.24, T.17 S., R. 31 E.		
Site Position:		Northing:	664,720.0000 usft
From:	Map	Easting:	655,241.7000 usft
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "
		Latitude:	32.826382
		Longitude:	-103.827963
		Grid Convergence:	0.27 °

Well	Partition 13 FED NC #5H		
Well Position	+N/-S	0.00 ft	Northing: 664,806.1000 usft
	+E/-W	0.00 ft	Easting: 656,840.9000 usft
Position Uncertainty	0.00 ft	Wellhead Elevation:	0.00 ft
		Latitude:	32.826598
		Longitude:	-103.822756
		Ground Level:	3,907.00 ft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2015	1/9/2018	7.06
			Dip Angle (°) 60.57
			Field Strength (nT) 48,207

Design	Wellbore #1		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)
	0.00	0.00	0.00
			Direction (°) 356.41

Survey Program	Date	2/8/2018		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
755.00	10,468.00	Survey #1 (Wellbore #1)	MWD	MWD - Standard

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
702.00	0.20	72.00	701.99	-1.63	2.72	-1.80	0.00	0.00	0.00	
755.00	0.60	57.80	754.99	-1.45	3.04	-1.64	0.77	0.75	-26.79	
1st MWD Survey										
943.00	0.30	103.10	942.98	-1.04	4.36	-1.31	0.24	-0.16	24.10	
1,133.00	0.30	111.10	1,132.98	-1.33	5.30	-1.66	0.02	0.00	4.21	
1,320.00	0.50	74.00	1,319.98	-1.28	6.54	-1.69	0.17	0.11	-19.84	
1,507.00	0.40	88.40	1,506.97	-1.04	7.98	-1.54	0.08	-0.05	7.70	
1,696.00	0.60	54.90	1,695.96	-0.45	9.45	-1.04	0.18	0.11	-17.72	
1,873.00	0.70	9.30	1,872.95	1.15	10.38	0.49	0.29	0.06	-25.76	
2,019.00	0.70	17.50	2,018.94	2.88	10.80	2.20	0.07	0.00	5.62	
2,207.00	0.20	352.00	2,206.94	4.30	11.10	3.59	0.28	-0.27	-13.56	

Survey Report

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Site:	Sec.24, T.17 S., R. 31 E.	MD Reference:	KB=21.5 @ 3928.50ft
Well:	Partition 13 FED NC #5H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
2,395.00	0.40	269.70	2,394.93	4.62	10.39	3.96	0.22	0.11	-43.78
2,585.00	0.90	252.90	2,584.92	4.18	8.30	3.65	0.28	0.26	-8.84
2,774.00	0.90	241.20	2,773.90	3.03	5.58	2.67	0.10	0.00	-6.19
2,866.00	1.00	265.40	2,865.89	2.61	4.15	2.35	0.45	0.11	26.30
3,055.00	1.00	245.40	3,054.86	1.79	1.01	1.73	0.18	0.00	-10.58
3,241.00	1.30	244.30	3,240.82	0.20	-2.37	0.35	0.16	0.16	-0.59
3,429.00	1.20	256.50	3,428.78	-1.18	-6.20	-0.79	0.15	-0.05	6.49
3,616.00	0.80	73.00	3,615.77	-1.26	-6.86	-0.82	1.07	-0.21	94.39
3,803.00	1.00	87.50	3,802.74	-0.80	-3.98	-0.55	0.16	0.11	7.75
3,989.00	1.20	66.70	3,988.71	0.04	-0.57	0.07	0.24	0.11	-11.18
4,176.00	1.20	78.90	4,175.67	1.19	3.15	0.99	0.14	0.00	6.52
4,361.00	1.30	83.80	4,360.62	1.79	7.14	1.34	0.08	0.05	2.65
4,552.00	1.50	86.60	4,551.57	2.17	11.79	1.43	0.11	0.10	1.47
4,740.00	0.60	66.70	4,739.53	2.71	15.15	1.75	0.51	-0.48	-10.59
4,787.00	2.20	351.80	4,786.52	3.70	15.24	2.73	4.52	3.40	-159.36
4,833.00	4.40	341.90	4,832.44	6.25	14.57	5.32	4.92	4.78	-21.52
4,865.00	6.40	341.20	4,864.30	9.10	13.61	8.23	6.25	6.25	-2.19
4,887.00	8.40	344.90	4,886.11	11.82	12.80	10.99	9.34	9.09	16.82
4,912.00	11.40	345.00	4,910.74	15.97	11.68	15.20	12.00	12.00	0.40
4,959.00	17.30	337.50	4,956.26	26.92	7.80	26.38	13.14	12.55	-15.96
4,990.00	21.60	333.80	4,985.48	36.30	3.52	36.01	14.42	13.87	-11.94
5,022.00	25.50	332.10	5,014.81	47.68	-2.31	47.73	12.37	12.19	-5.31
5,067.00	30.50	332.50	5,054.53	66.38	-12.12	67.01	11.12	11.11	0.89
5,113.00	34.90	331.40	5,093.23	88.30	-23.82	89.62	9.65	9.57	-2.39
5,160.00	39.50	331.40	5,130.66	113.24	-37.41	115.36	9.79	9.79	0.00
5,206.00	43.00	328.50	5,165.24	139.47	-52.62	142.50	8.67	7.61	-6.30
5,253.00	47.00	326.90	5,198.47	167.55	-70.39	171.63	8.84	8.51	-3.40
5,300.00	51.60	326.60	5,229.11	197.34	-89.92	202.58	9.80	9.79	-0.64
5,330.00	54.40	326.40	5,247.16	217.31	-103.14	223.35	9.35	9.33	-0.67
5,394.00	55.60	326.40	5,283.87	260.98	-132.16	268.75	1.88	1.88	0.00
5,488.00	55.50	326.20	5,337.04	325.47	-175.16	335.80	0.21	-0.11	-0.21
5,535.00	57.10	326.70	5,363.12	358.05	-196.77	369.68	3.52	3.40	1.06
5,583.00	59.60	330.90	5,388.31	393.00	-217.91	405.88	9.09	5.21	8.75
5,630.00	64.90	334.00	5,410.20	429.87	-237.12	443.89	12.70	11.28	6.60
5,676.00	69.60	338.00	5,427.99	468.62	-254.34	483.63	12.99	10.22	8.70
5,723.00	72.80	341.00	5,443.13	510.28	-269.91	526.19	9.10	6.81	6.38
5,770.00	75.70	345.90	5,455.90	553.63	-282.77	570.26	11.78	6.17	10.43
5,801.00	78.24	348.34	5,462.89	583.07	-289.50	600.06	11.22	8.18	7.88
Cross 330' FSL 5801 MD/5462.89 TVD 583.07 N -289.5 W N: 665389.1 E: 656551.4									
5,803.00	78.40	348.50	5,463.29	584.99	-289.89	602.00	11.22	8.22	7.80
5,889.00	84.20	352.90	5,476.30	668.82	-303.60	686.54	8.43	6.74	5.12
5,983.00	84.30	353.30	5,485.72	761.67	-314.83	779.91	0.44	0.11	0.43
6,077.00	84.40	353.70	5,494.97	854.62	-325.42	873.33	0.44	0.11	0.43

Survey Report

Company:	Burnett Oil Company, INC	Local Co-ordinate Reference:	Well Partition 13 FED NC #5H
Project:	Eddy County, NM	TVD Reference:	KB=21.5 @ 3928.50ft
Site:	Sec.24, T.17 S., R. 31 E.	MD Reference:	KB=21.5 @ 3928.50ft
Well:	Partition 13 FED NC #5H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,175.00	90.60	355.90	5,499.25	952.07	-334.29	971.14	6.71	6.33	2.24
6,269.00	92.70	0.90	5,496.54	1,045.96	-336.91	1,065.01	5.77	2.23	5.32
6,364.00	89.10	1.80	5,495.05	1,140.90	-334.67	1,159.63	3.91	-3.79	0.95
6,457.00	89.00	2.30	5,496.59	1,233.83	-331.35	1,252.17	0.55	-0.11	0.54
6,551.00	89.30	0.30	5,497.98	1,327.79	-329.21	1,345.81	2.15	0.32	-2.13
6,644.00	89.60	0.70	5,498.88	1,420.78	-328.40	1,438.57	0.54	0.32	0.43
6,738.00	89.30	1.00	5,499.78	1,514.77	-327.01	1,532.28	0.45	-0.32	0.32
6,832.00	89.50	1.50	5,500.76	1,608.74	-324.96	1,625.94	0.57	0.21	0.53
6,926.00	89.70	0.20	5,501.42	1,702.72	-323.56	1,719.65	1.40	0.21	-1.38
7,019.00	90.90	358.70	5,500.93	1,795.71	-324.46	1,812.52	2.07	1.29	-1.61
7,113.00	90.50	358.20	5,499.78	1,889.67	-327.00	1,906.45	0.68	-0.43	-0.53
7,206.00	90.60	358.80	5,498.89	1,982.64	-329.43	1,999.38	0.65	0.11	0.65
7,299.00	90.00	359.00	5,498.40	2,075.62	-331.22	2,092.29	0.68	-0.65	0.22
7,393.00	91.10	0.00	5,497.50	2,169.61	-332.04	2,186.15	1.58	1.17	1.06
7,484.00	91.60	0.20	5,495.36	2,260.58	-331.88	2,276.93	0.59	0.55	0.22
7,578.00	91.70	0.50	5,492.65	2,354.54	-331.31	2,370.67	0.34	0.11	0.32
7,672.00	91.20	359.90	5,490.27	2,448.51	-330.98	2,464.44	0.83	-0.53	-0.64
7,766.00	92.10	0.00	5,487.57	2,542.47	-331.06	2,558.22	0.96	0.96	0.11
7,859.00	91.40	359.70	5,484.73	2,635.42	-331.30	2,651.01	0.82	-0.75	-0.32
7,953.00	91.30	0.10	5,482.51	2,729.40	-331.47	2,744.80	0.44	-0.11	0.43
8,047.00	89.80	0.30	5,481.61	2,823.39	-331.14	2,838.59	1.61	-1.60	0.21
8,141.00	90.10	0.30	5,481.69	2,917.39	-330.65	2,932.37	0.32	0.32	0.00
8,233.00	90.80	0.50	5,480.97	3,009.38	-330.00	3,024.15	0.79	0.76	0.22
8,326.00	89.80	0.70	5,480.48	3,102.37	-329.03	3,116.90	1.10	-1.08	0.22
8,420.00	90.00	1.20	5,480.64	3,196.36	-327.47	3,210.60	0.57	0.21	0.53
8,514.00	89.90	1.50	5,480.73	3,290.34	-325.26	3,304.25	0.34	-0.11	0.32
8,608.00	90.20	1.60	5,480.64	3,384.30	-322.71	3,397.87	0.34	0.32	0.11
8,701.00	89.90	1.40	5,480.56	3,477.27	-320.28	3,490.50	0.39	-0.32	-0.22
8,795.00	89.40	1.70	5,481.14	3,571.23	-317.74	3,584.12	0.62	-0.53	0.32
8,888.00	90.50	0.60	5,481.22	3,664.21	-315.87	3,676.80	1.67	1.18	-1.18
8,981.00	91.00	1.20	5,480.00	3,757.19	-314.41	3,769.51	0.84	0.54	0.65
9,076.00	90.30	0.60	5,478.92	3,852.17	-312.92	3,864.21	0.97	-0.74	-0.63
9,171.00	91.00	0.00	5,477.85	3,947.16	-312.42	3,958.98	0.97	0.74	-0.63
9,265.00	91.30	359.90	5,475.96	4,041.14	-312.50	4,052.78	0.34	0.32	-0.11
9,359.00	91.10	359.70	5,473.99	4,135.12	-312.83	4,146.60	0.30	-0.21	-0.21
9,452.00	91.10	359.90	5,472.21	4,228.10	-313.16	4,239.42	0.22	0.00	0.22
9,545.00	89.90	358.80	5,471.39	4,321.09	-314.21	4,332.29	1.75	-1.29	-1.18
9,642.00	90.10	359.00	5,471.39	4,418.07	-316.07	4,429.20	0.29	0.21	0.21
9,735.00	90.20	359.50	5,471.15	4,511.07	-317.29	4,522.08	0.55	0.11	0.54
9,828.00	89.80	359.70	5,471.15	4,604.06	-317.94	4,614.94	0.48	-0.43	0.22
9,921.00	89.90	0.00	5,471.39	4,697.06	-318.18	4,707.77	0.34	0.11	0.32
10,014.00	89.50	359.00	5,471.88	4,790.06	-318.99	4,800.63	1.16	-0.43	-1.08
10,107.00	90.50	358.70	5,471.88	4,883.04	-320.86	4,893.55	1.12	1.08	-0.32

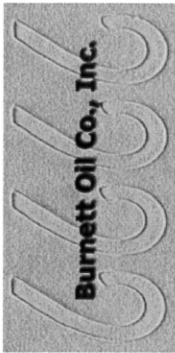
Survey Report

Company:	Burnett Oil Company, INC	Local Co-ordinate Reference:	Well Partition 13 FED NC #5H
Project:	Eddy County, NM	TVD Reference:	KB=21.5 @ 3928.50ft
Site:	Sec.24, T.17 S., R. 31 E.	MD Reference:	KB=21.5 @ 3928.50ft
Well:	Partition 13 FED NC #5H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,200.00	90.20	358.70	5,471.31	4,976.01	-322.97	4,986.47	0.32	-0.32	0.00
10,293.00	90.80	359.00	5,470.50	5,068.99	-324.84	5,079.38	0.72	0.65	0.32
10,386.00	90.30	358.90	5,469.61	5,161.97	-326.54	5,172.28	0.55	-0.54	-0.11
Last MWD Survey 10386 MD/5469.61 TVD 5161.97 N -326.54 W N: 669968.0 E: 656514.3									
10,427.00	90.30	358.90	5,469.39	5,202.96	-327.33	5,213.25	0.00	0.00	0.00
Cross 330' FNL 10427 MD/5469.39 TVD 5202.96 N -327.33 W N: 670009.0 E: 656513.5									
10,468.00	90.30	358.90	5,469.18	5,243.95	-328.12	5,254.21	0.00	0.00	0.00
PTB 10468 MD/5469.18 TVD 5243.95 N -328.12 W N: 670050.0 E: 656512.7									

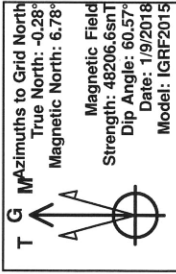
Survey Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
755.00	754.99	-1.45	3.04	1st MWD Survey
5,801.00	5,462.89	583.07	-289.50	Cross 330' FSL 5801 MD/5462.89 TVD 583.07 N -289.5 W N: 665389.1 E: 656514.3
10,386.00	5,469.61	5,161.97	-326.54	Last MWD Survey 10386 MD/5469.61 TVD 5161.97 N -326.54 W N: 669968.0 E: 656514.3
10,427.00	5,469.39	5,202.96	-327.33	Cross 330' FNL 10427 MD/5469.39 TVD 5202.96 N -327.33 W N: 670009.0 E: 656513.5
10,468.00	5,469.18	5,243.95	-328.12	PTB 10468 MD/5469.18 TVD 5243.95 N -328.12 W N: 670050.0 E: 656512.7

Checked By: _____ Approved By: _____ Date: _____



Burnett Oil Company, INC
Project: Eddy County, NM
Site: Sec.24, T.17 S., R. 31 E.
Well: Partition 13 FED NC #5H
Wellbore: Wellbore #1
Plan: Plan #3 (10°/100'-200' TGT-12°/100') (Partition 13 FED NC #5H/Wellbore #1)

PROJECT DETAILS: Eddy County, NM
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level
Local North: Grid



INTEGRITY
DIRECTIONAL

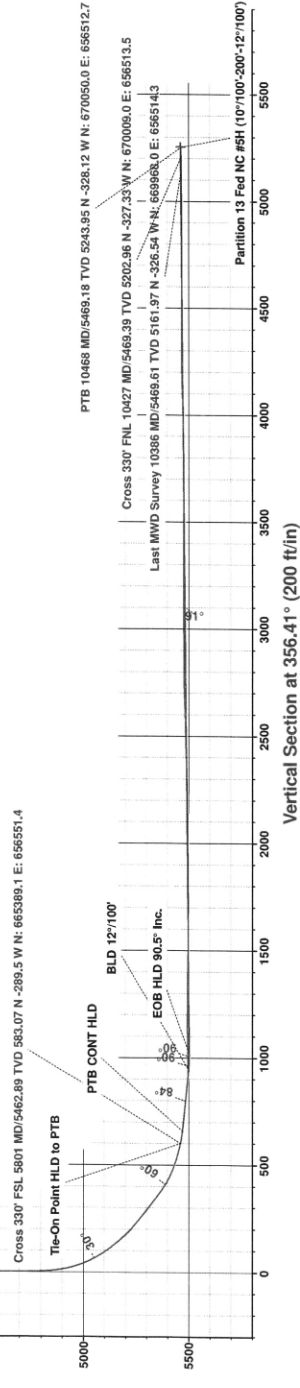
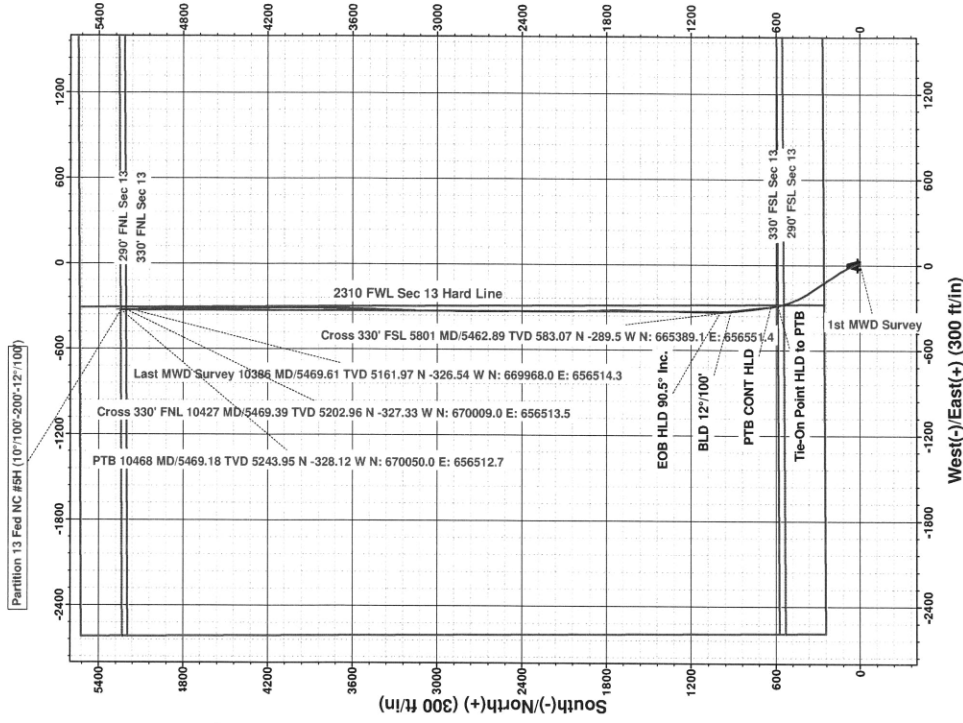
WELL DETAILS: Partition 13 FED NC #5H

Ground Elevation: 3907.00
RKB Elevation: KB=21.5 @ 3928.50ft
Rig Name:

Northing	Easting	Latitude	Longitude
664806.1000	656840.9000	32.826597	-103.822756

Section Details

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect
1	5803.00	78.40	348.50	5463.29	584.99	-289.89	0.00	0.00	602.00
2	5859.00	84.00	354.20	5471.86	639.65	-298.19	14.18	45.64	657.08
3	6142.80	84.00	354.20	5501.53	920.45	-326.71	0.00	0.00	939.12
4	6215.64	90.53	0.02	5505.00	993.05	-330.37	12.00	41.82	1011.80
5	10465.69	90.53	0.02	5465.40	5242.91	-329.20	0.00	0.00	5253.23



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTEMNRD-OCD ARTESIA
REC'D: 05/05/2020FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMLC029415B

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other		6. If Indian, Allottee or Tribe Name	
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other _____		7. Unit or CA Agreement Name and No.	
2. Name of Operator BURNETT OIL CO. INC.		Contact: LESLIE GARVIS E-Mail: lgarvis@burnettoil.com	
3. Address BURNETT PLAZA - SUITE 1500 801 CHERRY STREET FORT WORTH, TX 76102		3a. Unit/Fort Worth Area Code Ph: 817-332-5108	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Sec 24 T17S R31E Mer NMP NENW 255FNL 2590FWL At top prod interval reported below Sec 13 T17S R31E Mer NMP SESW 330FSL 2325FWL At total depth Sec 13 T17S R31E Mer NMP NENW 289FNL 2291FWL		8. Lease Name and Well No. PARTITION 13 FED NC 1H	
14. Date Spudded 01/19/2018		15. Date T.D. Reached 02/07/2018	
16. Date Completed ☐ D & A ☒ Ready to Prod. 03/07/2018		9. API Well No. 30-015-43530	
18. Total Depth: MD 10386 TVD 5470		19. Plug Back T.D.: MD 10468 TVD 5470	
20. Depth Bridge Plug Set: MD TVD		10. Field and Pool, or Exploratory FREN GLORIETTA YESO	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each)		11. Sec., T., R., M., or Block and Survey or Area Sec 24 T17S R31E Mer NMP	
		12. County or Parish EDDY	
		13. State NM	
		17. Elevations (DF, KB, RT, GL)* 3907 GL	
22. Was well cored? ☒ No ☐ Yes (Submit analysis)		Was DST run? ☒ No ☐ Yes (Submit analysis)	
		Directional Survey? ☐ No ☒ Yes (Submit analysis)	

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	48.0	0	720		690	199		
12.250	9.625 J55	36.0	0	1915		685	196		
8.500	7.000 L80	26.0	0	4723		585	182		
7.875	5.500 L80	17.0	4723	10466					

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	4659							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETTA	5164	5253				
B) YESO	5253					
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
03/07/2018	03/18/2018	24	→	393.0	396.0	1760.0	38.3	0.80	ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI	205	48.0	→					POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI			→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #410288 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
RUSTLER	534	800	WATER	RUSTLER	534
SALADO	800	1962	WATER	SALASO	800
YATES	1962	2286	OIL/GAS	YATES	1962
SEVEN RIVERS	2286	2903	OIL/GAS	SEVEN RIVERS	2286
QUEEN	2903	3326	OIL/GAS	QUEEN	2903
GRAYBURG	3326	3658	OIL/GAS	GRAYBURG	3326
SAN ANDRES	3658	5164	OIL/GAS	SAN ANDRES	3658
GLORIETTA	5164	5340	OIL/GAS	GLORIETTA	5205

32. Additional remarks (include plugging procedure):
Porous Zones (Cont)

YESO 5253 OIL/GAS

Attached:

Perf & Frac Data

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7 Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #410288 Verified by the BLM Well Information System.
For BURNETT OIL CO. INC., sent to the Carlsbad**

Name (please print) LESLIE GARVISTitle REGULATORY MANAGER

Signature _____ (Electronic Submission)

Date 04/03/2018

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

Additional data for transaction #410288 that would not fit on the form

32. Additional remarks, continued

AS Drilled C-102
Deviation Survey
Directional Survey