



PHOENIX

TECHNOLOGY SERVICES USA INC.

3610 Elkins Road, Midland, Texas 79705 T. 432.684.0057 F. 432.686.7964 www.phxtech.com

Celebrating 20 Years of Focused Solutions

November 16, 2017

Oil Conservation Division
State of New Mexico
811 S. First St.
Artesia, New Mexico 88210

NM OIL CONSERVATION
ARTESIA DISTRICT

NOV 27 2017

Dear District 2 - Artesia

RECEIVED

Attention: Regulatory Department

Re: Mewbourne Oil
Pavo Macho 31/32 B2EH Fed Com 1H
Eddy County, NM
API #30-015-43784
Job No. 62029

Enclosed please find the Survey Data Certification, and the original Plat and one copy of the Survey Report performed on the above referenced Well by Phoenix Technology Services, Inc. (P-5 No. 664171). Other information required by your office is as follows:

Name & Title of Surveyor	Drain Hole Number	Surveyed Depths		Dates Performed		Type of Survey
		From	To	Start	End	
Noe Garza	1H	0	1,078	11/15/17	11/15/17	Gyro

A certified plat on which the bottom hole location is oriented both to the surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Best Regards,
Brittany Carley

Brittany Carley
Operations Administrator

SURVEY CERTIFICATION FORM

3610 Elkins Road Midland, TX 79705 t:432-684-0057 f: 432-686-7964



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TECHNOLOGY SERVICES

Company: Mewbourne

Job #: 62029

Well Name: Pavo Macho 31/32 B2EH Fed Com 1H

County/State: Eddy Co., New Mexico

Survey Instrument Type: North Seek Rate Gyro

API # 30-015-43784

TIE-IN DATA

Measure Depth (ft)	Vertical Depth (ft)	Inclination (°)	Azimuth (°)	N-S Coordinates	E-W Coordinates	Data Source
0	0	0	0	0	0	Surface

First Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
2017-11-15	0	0	0

Last Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
2017-11-15	1078	0.66	79.26

Projected TD Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
0	0	0	0

Grid Correction
-0.11

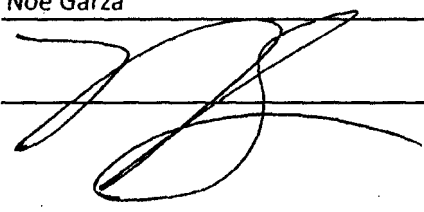
Gyro Operator: Phoenix Technology Services USA Ltd.

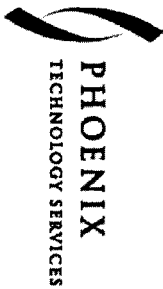
Gyro Supervisor: Angel Guebara

To the best of my knowledge I certify this survey data to be correct and true

Date: 11-15-17

Print Name: Noe Garza

Signature: 



PHOENIX
TECHNOLOGY SERVICES

Company: Mewbourne
Well: Pavo Macho 31/32 BZEH Fed Com 1H
Location: Eddy Co., New Mexico
Rig: Patterson 220

Job Number: 62029
Grid Corr.: -0.11
Lat: 32.71
Long: -104.12

Date: 11-15-17
Calculation Method: Minimum Curvature
Proposed Azimuth: 26
RKB - MSL in feet: Surface
Tie Into: Surface

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)			
FIELD COPY, NON-DEFINITIVE													
Enter Tie-In Survey on Line 10													
TIE IN	0			0	0	0	0	0					
Gyro	75.00	0.48	116.55	75	75.00	-0.14	0.14 S	0.28 E	0.31	116.55	0.64	0.64	155.40
	175.00	0.32	11.18	100	175.00	-0.05	0.05 S	0.71 E	0.71	94.33	0.64	-0.16	-105.37
	200.00	0.28	98.43	25	200.00	0.01	0.01 N	0.78 E	0.78	89.57	1.66	-0.16	349.00
	300.00	1.10	124.70	100	299.99	-0.58	0.58 S	1.81 E	1.90	107.62	0.86	0.82	26.27
	400.00	0.54	100.41	100	399.98	-1.21	1.21 S	3.07 E	3.30	111.50	0.65	-0.56	-24.29
	500.00	0.59	102.81	100	499.97	-1.41	1.41 S	4.03 E	4.27	109.24	0.06	0.05	2.40
	600.00	1.72	100.27	100	599.95	-1.79	1.79 S	6.01 E	6.27	106.57	1.13	1.13	-2.54
	700.00	1.76	90.53	100	699.91	-2.07	2.07 S	9.02 E	9.26	102.92	0.30	0.04	-9.74
	800.00	1.59	83.48	100	799.86	-1.93	1.93 S	11.94 E	12.09	99.17	0.27	-0.17	-7.05
	900.00	1.37	80.50	100	899.83	-1.57	1.57 S	14.50 E	14.58	96.19	0.23	-0.22	-2.98
	1000.00	1.18	70.73	100	999.81	-1.04	1.04 S	16.65 E	16.68	93.56	0.29	-0.19	-9.77
	1078.00	0.66	79.26	78	1077.80	-0.69	0.69 S	17.85 E	17.86	92.20	0.69	-0.67	10.94

NM OIL CONSERVATION

ARTESIA DISTRICT

Form C-102

State of New Mexico
Energy, Minerals & Natural Resources Department

MAY 16 2016

Revised August 1, 2011

OIL CONSERVATION DIVISION

Submit one copy to appropriate

1220 South St. Francis Dr.

RECEIVED

District Office

Santa Fe, NM 87505

☐ AMENDED REPORT

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015-43784		2 Pool Code 49553		3 Pool Name PALMILLO EAST BONE SPRING OIL	
4 Property Code 316223		5 Property Name PAVO MACHO 31 B2EH FED COM			6 Well Number 1H
7 GRID NO. 14744		8 Operator Name MEWBORNE OIL COMPANY			9 Elevation 3405'
10 Surface Location					
UL or lot no. 29	Section 31	Township 18S	Range 29E	Lot Idn 2	Feet from the 1980
		North/South line NORTH		Feet from the 185	East/West line WEST
				County EDDY	
11 Bottom Hole Location If Different From Surface					
UL or lot no. H	Section 31	Township 18S	Range 29E	Lot Idn 2	Feet from the 1980
		North/South line NORTH		Feet from the 330	East/West line EAST
				County EDDY	
12 Dedicated Acres 152.66	13 Joint or Infill	14 Consolidation Code		15 Order No.	

No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

