



**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

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

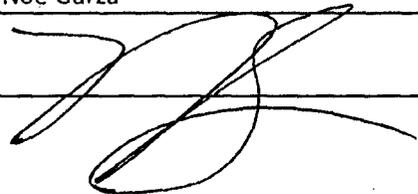
Gyro Operator: Phoenix Technology Services USA Ltd.

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: 



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: \_\_\_\_\_

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates N/S (ft)	E/W (ft)	Closure Distance (ft)	Closure Angle (deg)	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
FIELD COPY, NON-DEFINITIVE													
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  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

MAY 16 2016

Revised August 1, 2011

Submit one copy to appropriate  
District Office

RECEIVED

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

