



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

Mewbourne Oil
Attention: Regulatory Department
701 S Cecil St
Hobbs, New Mexico 88240

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

Dear Regulatory Department;

Phoenix Technology Services, Inc. has filed the Survey Data Certification, Surveys, and Lease Plat for the above referenced Well with the State of New Mexico Oil Conservation Division – District 2 via certified mail. A copy of the filing is attached for your records.

Name 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

Thank you for the opportunity to be of service. Please contact me if you have any questions or require additional information.

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

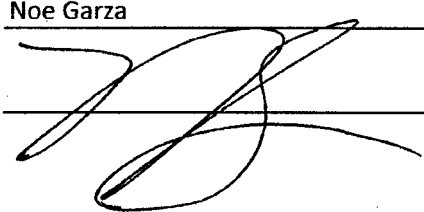
Gyro Operator: Phoenix Technology Services USA Ltd.

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: 



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TECHNOLOGY SERVICES

Company: Mewbourne
Well: Pavo Macho 31/32 B2EH 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: 26
Tie Into: Surface

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)	Angle (deg)	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
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