



TECHNOLOGY SERVICES USA INC.

Celebrating 20 Years of Focused Solutions

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

December 19, 2018

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

Dear District 2 - Artesia

Attention: Regulatory Department

Re: Mewbourne Oil
Pavo Frio 29/30 B2FE Fed Com 1H
Eddy County, NM
API #30-015-45405
Job No. 64034

RECEIVED

DEC 31 2018

DISTRICT II-ARTESIA O.C.D.

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	
Andy Askew	1H	0	1,100	12/18/18	12/18/18	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



PHOENIX
TECHNOLOGY SERVICES

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

Company: Mewbourne

Job #: 64034

Well Name: Pavo Frio 29/30 B2FE Fed Com 1H

County/State: Eddy/ NM

Survey Instrument Type: North Seek Rate Gyro

API # 30-015-45405

TRE 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 (°)
12/18/2018	0	0	0

Last Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
12/18/2018	1100	4.3	53.41

Projected TD Survey

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

Grid Correction
-0.13

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: 12/19/18

Print Name: Andy Askew

Signature:



Company: Mewbourne
 Well: Pavo Frio 29/30 B2FE Fed Com 1H
 Location: Eddy Co., NM
 Rig: Patterson 560

Job Number: 64034
 Grid Corr.: -0.13
 Lat: 32.71
 Long: -104.09

Date: 12/18/18
 Calculation Method: Minimum Curvature
 Proposed Azimuth:
 RKB - MSL in feet: 28.6
 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)			
Enter Tie-In Survey on Line 10					FIELD COPY, NON-DEFINITIVE								
TIE IN	0			0	0	0	0	0					
Gyro	100.00	0.18	32.59	100	100.00	0.13	0.13 N	0.08 E	0.16	32.59	0.18	0.18	32.59
	200.00	1.02	348.22	100	199.99	1.14	1.14 N	0.01 W	1.14	359.37	0.90	0.84	315.63
	300.00	2.75	26.64	100	299.94	4.15	4.15 N	0.88 E	4.24	11.99	2.05	1.73	-321.58
	400.00	3.39	37.34	100	399.80	8.65	8.65 N	3.75 E	9.43	23.45	0.86	0.64	10.70
	500.00	3.35	43.69	100	499.62	13.11	13.11 N	7.56 E	15.13	29.98	0.38	-0.04	6.35
	600.00	3.37	53.45	100	599.45	16.97	16.97 N	11.94 E	20.75	35.13	0.57	0.02	9.76
	700.00	3.61	62.04	100	699.27	20.20	20.20 N	17.08 E	26.46	40.22	0.57	0.24	8.59
	800.00	4.14	61.30	100	799.04	23.41	23.41 N	23.03 E	32.84	44.53	0.53	0.53	-0.74
	900.00	3.98	60.69	100	898.79	26.84	26.84 N	29.22 E	39.68	47.43	0.17	-0.16	-0.61
	1000.00	4.03	56.47	100	998.54	30.48	30.48 N	35.18 E	46.55	49.09	0.30	0.05	-4.22
	1100.00	4.30	53.41	100	1098.28	34.66	34.66 N	41.12 E	53.78	49.87	0.35	0.27	-3.06

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 Rin Hrazos 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

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

RECEIVED

Form C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

DISTRICT II-ARTESIA O.C.D.

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015-45405	2 Pool Code 49553	3 Pool Name PALMILLO EAST BONE SPRING
4 Property Code 322846	5 Property Name PAVO FRIO 29/30 B2FE FED COM	6 Well Number 1H
7 GRID NO. 14744	8 Operator Name MEWBORNE OIL COMPANY	9 Elevation 3480'

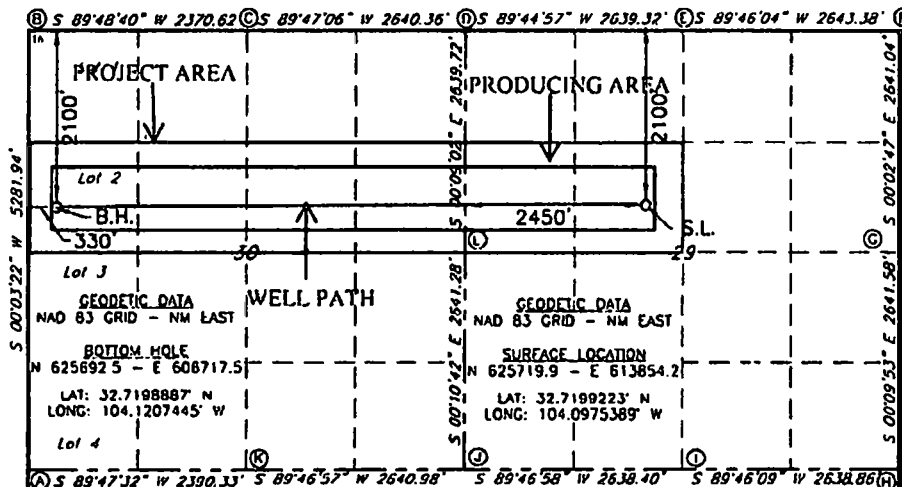
10 Surface Location

UL or Int. no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	29	18S	29E		2100	NORTH	2450	WEST	EDDY

11 Bottom Hole Location If Different From Surface

UL or Int. no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Lot 2	30	18S	29E		2100	NORTH	330	WEST	EDDY
12 Dedicated Acres 240	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.



11 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 as required by the division.

3-26-18
Signature: *[Signature]*
Name: **NM YOUNG**
Printed Name: **MYOUNG@MEWBORNE.COM**
E-mail Address: **MYOUNG@MEWBORNE.COM**

12 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.

02-28-2018
Date of Survey
Signature and Seal of Professional Surveyor: *[Signature]*
19880
Certificate Number

Job No.: LS1802234

RWP11-07-18