



PHOENIX

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

July 13, 2018

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

Dear District 2 - Artesia

RECEIVED

Attention: Regulatory Department

AUG 16 2018

Re: Mewbourne Oil
Night Ranger 28 WOAP Fee # 2H
Eddy County, NM
API #30-015-44285
Job No. 63097

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	
Noe Garza	2H	0	210	7/12/18	7/12/18	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

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



PHOENIX
TECHNOLOGY SERVICES

Company: Mewbourne

Job #: 63097

Well Name: Night Ranger 28 WOAP Fee # 2H

County/State: Eddy Co., New Mexico

Survey Instrument Type: North Seek Rate Gyro

API # 30-015-44285

INTERIM 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 (°)
2018-07-12	0	0	0

Last Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
2018-07-12	210	1.44	359.62

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: 07-12-18

Print Name: Noe Garza

Signature:



Company: Mewbourne
 Well: Night Ranger 28 WOAP Fee # 2H
 Location: Eddy Co., New Mexico
 Rig: Patterson 560

Job Number: 63097
 Grid Corr.: -0.13
 Lat: 32.28
 Long: -104.08

Date: 07-12-18
 Calculation Method: Minimum Curvature
 Proposed Azimuth: _____
 RKB - MSL in feet: 28
 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	1.09	355.79	100	99.99	0.95	0.95 N	0.07 W	0.95	355.79	1.09	1.09	355.79
	210.00	1.44	359.62	110	209.97	3.37	3.37 N	0.16 W	3.38	357.36	0.33	0.32	3.48

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 Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-102
 August 1, 2011
 Permit 238258

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-44285	2. Pool Code 98220	3. Pool Name PURPLE SAGE;WOLFCAMP (GAS)
4. Property Code 318104	5. Property Name NIGHT RANGER 28 WOAP FEE	6. Well No. 002H
7. OGRID No. 14744	8. Operator Name MEWBOURNE OIL CO	9. Elevation 3036

10. Surface Location

UL - Lot A	Section 28	Township 23S	Range 28E	Lot Idn A	Feet From 220	N/S Line N	Feet From 380	E/W Line E	County Eddy
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11. Bottom Hole Location if Different From Surface

UL - Lot P	Section 28	Township 23S	Range 28E	Lot Idn P	Feet From 330	N/S Line S	Feet From 330	E/W Line E	County Eddy
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12. Dedicated Acres 320.00	13. Joint or Infill	14. Consolidation Code	15. Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

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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 unleased mineral interest in the land including the proposed bottom hole location(s) 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 heretofore entered by the division.

E-Signed By: Monty Whetstone
 Title: Vice President Operations
 Date: 6/27/2017

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.

Surveyed By: Robert Howett
 Date of Survey: 6/19/2017
 Certificate Number: 19680