



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 6, 2018

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

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Dear District 2 - Artesia

JUL 28 2018

Attention: Regulatory Department

DISTRICT II-ARTESIA O.C.D.

Re: Mewbourne Oil
Night Ranger 28 W2AP Fee 1H
Eddy County, NM
API #30-015-44286
Job No. 63062

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	215	7/1/18	7/1/18	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

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JUL 23 2018

SURVEY CERTIFICATION FORM

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

**PHOENIX**
TECHNOLOGY SERVICESCompany: MewbourneJob #: 63062Well Name: Night Ranger 28 W2AP Fee 1HCounty/State: Eddy/ NMSurvey Instrument Type: North Seek Rate GyroAPI # 30-015-44286**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 (°)
2018-07-01	0	0	0

Last Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
2018-07-01	215	1.37	211.5

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:

7/1/18Print Name: Andy Askew

Signature:

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DISTRICT II-ARTESIA O.C.D.



Company: Mewbourne
Well: Night Ranger 28 W2AP Fee 1H
Location: Eddy Co., NM
Rig: Patterson 560

Job Number: 63062
Grid Corr.: -0.13
Lat: 32.28
Long: -104.08

Date: 07-01-18
Calculation Method: Minimum Curvature
Proposed Azimuth:
RKB - MSL in feet: 28.6
Tie Into: Surface

Survey Tool Type	Survey Depth (ft)	Inclina- tion (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	0.04	61.68	100	100.00	0.02	0.02 N	0.03 E	0.03	61.68	0.04	0.04	61.68
	200.00	1.38	215.74	100	199.99	-0.94	0.94 S	0.64 W	1.14	214.21	1.42	1.34	154.06
	215.00	1.37	211.50	15	214.99	-1.24	1.24 S	0.84 W	1.50	214.07	0.68	-0.07	-28.27

District I
1825 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

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Form C-102
August 1, 2011
Permit 238257

DISTRICT II-ARTESIA O.C.D.

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-44286	2. Pool Code 98220	3. Pool Name PURPLE SAGE;WOLFCAMP (GAS)
4. Property Code 318105	5. Property Name NIGHT RANGER 28 W2AP FEE	6. Well No. 001H
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 330	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
12. Dedicated Acres 320.00			13. Joint or Infill		14. Consolidation Code		15. Order No.		

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

	OPERATOR CERTIFICATION	
	<p><i>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.</i></p>	
	<p>E-Signed By: Monty Whetstone Title: Vice President Operations Date: 6/27/2017</p>	
	SURVEYOR CERTIFICATION	
<p><i>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.</i></p>		
<p>Surveyed By: Robert Howell Date of Survey: 6/19/2017 Certificate Number: 19680</p>		