



**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*

May 22, 2018

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

RECEIVED

JUN 01 2018

DISTRICT II-ARTESIA O.C.D.

Dear District 2 - Artesia

Attention: Regulatory Department

Re: Mewbourne Oil  
Rock Spur 27 W2AP State #1H  
Eddy County, NM  
API #30-015-44092  
Job No. 62877

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	375	5/21/18	5/21/18	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

Company: Mewbourne

Job #: 62877

Well Name: Rock Spur 27 W2AP State # 1H

County/State: Eddy Co., New Mexico

Survey Instrument Type: North Seek Rate Gyro

API # 30-015-44092

## MEASUREMENT 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 (°)
2018-05-21	0	0	0

## Last Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
2018-05-21	375	0.43	35.98

## Projected TD Survey

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

Grid Correction
-0.11

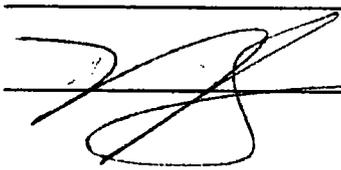
Gyro Operator: Phoenix Technology Services USA Ltd.

Gyro Supervisor: Angel Guebara

To the best of my knowledge I certify this survey data to be correct and true

Date: 05-21-18

Print Name: Noe Garza

Signature: 



Company: Mewbourne  
 Well: Rock Spur 27 W2AP State # 1H  
 Location: Eddy Co., New Mexico  
 Rig: Patterson 250

Job Number: 62877  
 Grid Corr.: -0.11  
 Lat: 32.20  
 Long: -104.07

Date: 05-21-18  
 Calculation Method: Minimum Curvature  
 Proposed Azimuth: \_\_\_\_\_  
 RKB - MSL in feet: 29.5  
 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)				
<b>Enter Tie-In Survey on Line 10</b>													<b>FIELD COPY, NON-DEFINITIVE</b>	
TIE IN	0			0	0	0	0	0						
Gyro	100.00	0.15	311.02	100	100.00	0.09	0.09 N	0.10 W	0.13	311.02	0.15	0.15	311.02	
	200.00	0.73	297.88	100	200.00	0.47	0.47 N	0.76 W	0.89	301.70	0.58	0.58	-13.14	
	300.00	0.41	7.01	100	299.99	1.12	1.12 N	1.28 W	1.70	311.25	0.70	-0.32	-290.87	
	375.00	0.43	35.98	75	374.99	1.62	1.62 N	1.08 W	1.95	326.21	0.28	0.03	38.63	

**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) 748-6720  
**District III**  
 1030 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  
 Perm: 232711

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-015-44092	2. Pool Code 98220	3. Pool Name PURPLE SAGE:WOLFCAMP (GAS)
4. Property Code 317505	5. Property Name Rock Spur 27 W2PA State	6. Well No. 001H
7. OGRID No. 14744	8. Operator Name MEWBOURNE OIL CO	9. Elevation 2990

**10. Surface Location**

UL - Lot P	Section 27	Township 24S	Range 28E	Lot Idn P	Feet From 20	N/S Line S	Feet From 600	E/W Line E	County Eddy
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**11. Bottom Hole Location If Different From Surface**

UL - Lot A	Section 27	Township 24S	Range 28E	Lot Idn A	Feet From 330	N/S Line N	Feet From 600	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**

<table border="1"> <tr><td> </td><td> </td><td> </td><td style="text-align: center;"><input type="checkbox"/></td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>				<input type="checkbox"/>													<b>OPERATOR CERTIFICATION</b>
				<input type="checkbox"/>													
<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>																	
E-Signed By: Monty Whetstone Title: Vice President Operations Date: 3/3/2017																	
<b>SURVEYOR CERTIFICATION</b>																	
<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>																	
Surveyed By: Robert Howett Date of Survey: 3/3/2017 Certificate Number: 19680																	