



# 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

30-025-44750

June 5, 2018

Oil Conservation Division  
State of New Mexico  
1625 N. French Drive  
Hobbs, New Mexico 88240

**HOBBS OCD**  
**JUN 18 2018**  
**RECEIVED**

Dear District 1 - Hobbs

Attention: Regulatory Department

Re: Mewbourne Oil  
El Mar 21 W2NC Federal Com #5H  
Lea County, New Mexico  
API #30-025-44750  
Job No. 62912

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	5H	0	807	6/3/18	6/3/18	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 #: 62912

Well Name: El Mar 21 W2NC Federal Com # 5H

County/State: Lea Co., New Mexico

Survey Instrument Type: North Seek Rate Gyro

API # 30-025-44750

## 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 (°)
2018-06-03	0	0	0

## Last Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
2018-06-03	807	0.22	347.12

## Projected TD Survey

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

Grid Correction
-0.4

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:

6-6-18

Print Name: Noe Garza

Signature:

A handwritten signature in black ink, appearing to read 'Noe Garza', written over a horizontal line.



Company: Mewbourne  
 Well: El Mar 21 W2NC Federal Com 5H  
 Location: Lea Co., New Mexico  
 Rig: Patterson 231

Job Number: 62912  
 Grid Corr.: -0.40  
 Lat: 32.04  
 Long: -103.58

Date: 06-03-18  
 Calculation Method: Minimum Curvature  
 Proposed Azimuth:   
 RKB - MSL in feet: 28.5  
 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	0.34	311.94	100	100.00	0.20	0.20 N	0.22 W	0.30	311.94	0.34	0.34	311.94
	200.00	0.29	326.51	100	200.00	0.61	0.61 N	0.58 W	0.84	316.28	0.09	-0.05	14.57
	300.00	0.22	348.91	100	300.00	1.01	1.01 N	0.76 W	1.26	323.05	0.12	-0.07	22.40
	400.00	0.26	355.05	100	400.00	1.42	1.42 N	0.81 W	1.64	330.20	0.05	0.04	6.14
	500.00	0.27	327.05	100	499.99	1.85	1.85 N	0.96 W	2.08	332.47	0.13	0.01	-28.00
	600.00	0.29	299.50	100	599.99	2.17	2.17 N	1.31 W	2.53	328.85	0.13	0.02	-27.55
	700.00	0.21	64.70	100	699.99	2.37	2.37 N	1.36 W	2.74	330.07	0.45	-0.08	-234.80
	807.00	0.22	347.12	107	806.99	2.65	2.65 N	1.23 W	2.93	335.08	0.25	0.01	263.94

20  
70  
05  
62

Energy,  
MAY 07 2018  
RECEIVED

## OIL CONSERVATION DIVISION

**Santa Fe, NM 87505**

District Office

☐ AMENDED REPORT

1 API Number <b>30-025-44750</b>		2 Pool Code <b>84410</b>	3 Pool Name <b>SALADO DRAW WOLFCAMP GAS</b>	
4 Property Code <b>321389</b>	5 Property Name <b>EL MAR 21 W2NC FEDERAL COM</b>			6 Well Number <b>5H</b>
7 OGRID NO. <b>14744</b>	8 Operator Name <b>MEWBOURNE OIL COMPANY</b>			9 Elevation <b>3247'</b>

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
<b>N</b>	<b>21</b>	<b>26S</b>	<b>33E</b>		<b>215</b>	<b>SOUTH</b>	<b>2510</b>	<b>WEST</b>	<b>LEA</b>

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
<b>C</b>	<b>21</b>	<b>26S</b>	<b>33E</b>		<b>330</b>	<b>NORTH</b>	<b>2310</b>	<b>WEST</b>	<b>LEA</b>

12 Dedicated Acres 320	13 Joint or Infill	14 Consolidation Code	15 Order No.
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