



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: 6-6-03-18

Print Name: Noe Garza

Signature:



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) | | | | |
| Enter Tie-In Survey on Line 10 | | | | | | | | | | | | | FIELD COPY, NON-DEFINITIVE | |
| 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 | |

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) 748-1283
District III
1000 Rio Brazos Road, Aztec, NM 87422
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

HOBBS OCD
MAY 07 2018
RECEIVED

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

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

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

¹⁰ Surface Location

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

¹¹ Bottom Hole Location If Different From Surface

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

| | | | |
|--------------------------------------|-------------------------------|----------------------------------|-------------------------|
| ¹² Dedicated Acres 320 | 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.

