



# 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*

March 28, 2018

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

Dear District 2 - Artesia

Attention: Regulatory Department

Re: Mewbourne Oil  
Gobbler 5 B2AD State 1H  
Eddy County, NM  
API #30-015-44664  
Job No. 62504

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

APR 02 2018

**RECEIVED**

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               | 377 | 3/27/18         | 3/27/18 | 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 #: 62504

Well Name: Gobbler 5 B2AD State 1H

County/State: Eddy/ NM

Survey Instrument Type: North Seek Rate Gyro

API # 30-015-44664

## TIE-IN DATA

| Measure<br>Depth (ft) | Vertical<br>Depth (ft) | Inclination<br>(°) | Azimuth (°) | N-S<br>Coordinates | E-W<br>Coordinates | Data Source |
|-----------------------|------------------------|--------------------|-------------|--------------------|--------------------|-------------|
| 0                     | 0                      | 0                  | 0           | 0                  | 0                  | Surface     |

## First Survey

| Date       | Depth (ft) | Inclination<br>(°) | Azimuth (°) |
|------------|------------|--------------------|-------------|
| 2018-03-27 | 0          | 0                  | 0           |

## Last Survey

| Date       | Depth (ft) | Inclination<br>(°) | Azimuth (°) |
|------------|------------|--------------------|-------------|
| 2018-03-27 | 377        | 0.63               | 202.58      |

## Projected TD Survey

| Date | Depth (ft) | Inclination<br>(°) | Azimuth (°) |
|------|------------|--------------------|-------------|
| 0    | 0          | 0                  | 0           |

| Grid<br>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:

3/27/18

Print Name: Andy Askew

Signature:

Andy Askew



**PHOENIX**  
TECHNOLOGY SERVICES

Company: Mewbourne  
Well: Gobbler 5 B2AD State 1H  
Location: Eddy Co., NM  
Rig: Patterson 250

Job Number: 62504  
Grid Corr.: -0.13  
Lat: 32.69  
Long: -104.08

Date: 03-27-18  
Calculation Method: Minimum Curvature  
Proposed Azimuth: 29.2  
RKB - MSL in feet: Surface  
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            | 0.07              | 67.40         | 100                | 100.00                   | 0.02                  | 0.02 N      | 0.06 E   | 0.06          | 67.40       | 0.07                     | 0.07                | 67.40              |
|                                | 200.00            | 0.26              | 78.04         | 100                | 200.00                   | 0.09                  | 0.09 N      | 0.33 E   | 0.35          | 74.32       | 0.19                     | 0.19                | 10.64              |
|                                | 300.00            | 0.11              | 173.95        | 100                | 300.00                   | 0.05                  | 0.05 N      | 0.57 E   | 0.57          | 85.41       | 0.29                     | -0.15               | 95.91              |
|                                | 377.00            | 0.63              | 202.58        | 77                 | 377.00                   | -0.42                 | 0.42 S      | 0.41 E   | 0.59          | 135.47      | 0.70                     | 0.68                | 37.18              |

**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 247947

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|                               |  |  |
|-------------------------------|--|--|
| 1. API Number<br>30-015-44664 | 2. Pool Code<br>49553                    | 3. Pool Name<br>PALMILLO BONE SPRING, EAST |
| 4. Property Code<br>320696    | 5. Property Name<br>GOBBLER 5 B2AD STATE | 6. Well No.<br>001H                        |
| 7. OGRID No.<br>14744         | 8. Operator Name<br>MEWBOURNE OIL CO     | 9. Elevation<br>3411                       |

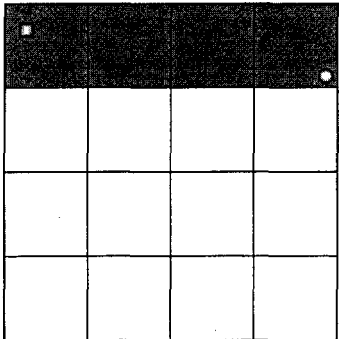
**10. Surface Location**

|               |              |                 |              |              |                   |               |                  |               |                |
|---------------|--------------|-----------------|--------------|--------------|-------------------|---------------|------------------|---------------|----------------|
| UL - Lot<br>A | Section<br>5 | Township<br>19S | Range<br>29E | Lot Idn<br>1 | Feet From<br>1130 | N/S Line<br>N | Feet From<br>205 | E/W Line<br>E | County<br>Eddy |
|---------------|--------------|-----------------|--------------|--------------|-------------------|---------------|------------------|---------------|----------------|

**11. Bottom Hole Location If Different From Surface**

|                               |              |                 |                     |              |                        |               |                  |               |                |
|-------------------------------|--------------|-----------------|---------------------|--------------|------------------------|---------------|------------------|---------------|----------------|
| UL - Lot<br>D                 | Section<br>5 | Township<br>19S | Range<br>29E        | Lot Idn<br>4 | Feet From<br>400       | N/S Line<br>N | Feet From<br>330 | E/W Line<br>W | County<br>Eddy |
| 12. Dedicated Acres<br>163.20 |              |                 | 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**

|  |   |  |
|--|---|--|
|    | <b>OPERATOR CERTIFICATION</b>   |  |
|  | <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<br>Title: Vice President Operations<br>Date: 2/2/2018  |  |
|  | <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<br>Date of Survey: 1/31/2018<br>Certificate Number: 19680   |   |  |