

# WELL LOGS

K Z

|             |              |           |                          |
|-------------|--------------|-----------|--------------------------|
| API number: | 30-025-39160 |           |                          |
| OGRID:      |              | Operator: | MEWBOURNE OIL CO         |
|             |              | Property: | NORTE 19 FEDERAL COM # 1 |

|         |        |   |      |     |     |     |     |
|---------|--------|---|------|-----|-----|-----|-----|
| surface | ULSTR: | H | 19   | T   | 19S | R   | 33E |
|         |        |   | 1650 | FNL | 710 | FEL |     |

|        |        |   |      |     |     |     |     |
|--------|--------|---|------|-----|-----|-----|-----|
| BH Loc | ULSTR: | H | 19   | T   | 19S | R   | 33E |
|        |        |   | 1650 | FNL | 710 | FEL |     |

|               |      |     |      |     |       |  |
|---------------|------|-----|------|-----|-------|--|
| Ground Level: | 3614 | DF: | 3630 | KB: | 3631  |  |
| Datum:        | KB   |     |      | TD: | 13760 |  |

Land: **FEDERAL**

Completion Date: (1) **3/7/2009**  
 Date Logs Received: **3/13/2009**  
 Date Logs Due in: (2) **3/27/2009**

|               |    |  |  |           |  |  |
|---------------|----|--|--|-----------|--|--|
| Confidential: | NO |  |  | Date out: |  |  |
|---------------|----|--|--|-----------|--|--|

Confidential period: 90 Days for State & Fee, 1 Year for federal

Date Due In: (1) is equal to Completion Date (1) + 20 days

| Logs        | Depth interval |       |                              |
|-------------|----------------|-------|------------------------------|
| TD LD CN/GR | 200            | 13763 | Three Detector Litho-Density |
| HRLA        | 4790           | 13742 | High Resolution Laterolog    |
| CBL         | 3100           | 13660 | Cement Bond Log              |
|             |                |       |                              |
|             |                |       |                              |
|             |                |       |                              |
|             |                |       |                              |

K Z

## OCD TOPS

|             |       |           |       |  |  |
|-------------|-------|-----------|-------|--|--|
| Rustler     | 1246  | Strawn    | 12170 |  |  |
| Tansill     |       | Atoka     | 12537 |  |  |
| Yates       | 3093  | Morrow    | 13014 |  |  |
| 7 rvs       |       |           |       |  |  |
|             |       | Austin    |       |  |  |
|             |       | Chester   |       |  |  |
| Queen       |       | Miss Lime |       |  |  |
| Penrose     |       |           |       |  |  |
| Grayburg    |       |           |       |  |  |
| San Andres  |       |           |       |  |  |
|             |       |           |       |  |  |
| Delaware Sd | 5610  |           |       |  |  |
| Bone Spring | 7752  |           |       |  |  |
| 1st Sd      | 8916  |           |       |  |  |
| 2nd Carb    | 9220  |           |       |  |  |
| 2nd Sd      | 9470  |           |       |  |  |
| 3rd Carb    | 9992  |           |       |  |  |
| 3rd Sd      | 10347 |           |       |  |  |
| Wolfcamp    | 10752 |           |       |  |  |

REFERENCE SHEET FOR  
UNDESIGNATED WELLS

|         | Fm | Pm | N | Pc |
|---------|----|----|---|----|
| 17-21 W | XX | XX |   | XX |
|         |    |    |   |    |
|         |    |    |   |    |
|         |    |    |   |    |

paragraph

|                    |         |
|--------------------|---------|
| 1. Date: 3/18/2009 |         |
| 2. Type of Well:   |         |
| Oil:               | Gas: XX |
| 3. County: LEA     |         |

|                                      |  |                                                                                                           |  |                                                             |  |                                 |  |
|--------------------------------------|--|-----------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------|--|---------------------------------|--|
| 4. Operator                          |  | MEWBOURNE OIL CO                                                                                          |  | APT NUMBER                                                  |  | 30 - 025 - 39160                |  |
| 5. Address of Operator               |  | PO BOX 5270<br>HOBBS NM 88240                                                                             |  |                                                             |  |                                 |  |
| 6. Lease name or Unit Agreement Name |  | NORTE 19 FEDERAL COM                                                                                      |  |                                                             |  | 7. Well Number<br># - 1         |  |
| 8. Well Location                     |  | Unit Letter H 1650 feet from the N line and 710 feet from the E line<br>Section 19 Township 19S Range 33E |  |                                                             |  |                                 |  |
| 9. Completion Date                   |  | 3/7/2009                                                                                                  |  | 11. Perfs                                                   |  | Top 13236 Bottom 13477 TD 13760 |  |
| 10. Name of Producing Formation(s)   |  | MORROW                                                                                                    |  | 12. Open Hole Casing shoe                                   |  | Bottom PBTD 13670               |  |
| 13. C-123 Filed                      |  | Date                                                                                                      |  | 15. Name of Pool Requested or temporary Wildcat designation |  | Pool ID num                     |  |
| Y N XX                               |  |                                                                                                           |  | GEM;MORROW (GAS)                                            |  | 77370                           |  |
| 16. Remarks                          |  | EXTEND                                                                                                    |  |                                                             |  |                                 |  |

|                                                              |  |                   |  |
|--------------------------------------------------------------|--|-------------------|--|
| TO BE COMPLETED BY DISTRICT GEOLOGIST                        |  |                   |  |
| 17. Action taken                                             |  | 18. Pool Name     |  |
| EXTEND                                                       |  | GEM;MORROW (GAS)  |  |
|                                                              |  | Pool ID num 77370 |  |
| <p>T 19 S, R 33 E</p> <p>SEC 19: N/2</p> <p>SEC 20: NW/4</p> |  |                   |  |

|                                           |  |                     |  |
|-------------------------------------------|--|---------------------|--|
| 19. Advertised for HEARING                |  | 20. Case Number     |  |
| 21. Name of pool for which was advertised |  | Pool ID num         |  |
| GEM;MORROW (GAS)                          |  | 77370               |  |
| 22. Placed in Pool                        |  | 23. By order number |  |
|                                           |  | R-                  |  |