

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
Revised March 17, 1999

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Submit to appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

| | | |
|--|--|---|
| ¹ Operator Name and Address Maynard Oil Company 8080 N. Central Expwy., Suite 660 Dallas, TX 75206 | | ² OGRID Number 033016 |
| ⁴ Property Code 25551 | ³ Property Name Wilson Deep Unit | ⁵ API Number 30-025-35407 |
| | | ⁶ Well No. 2 |

⁷ Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| D | 13 | 21S | 34E | N/A | 660 | North | 660 | West | Lea |

⁸ Proposed 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 |
|---|---------|----------|-------|---------|---------------|-------------------------------|---------------|----------------|--------|
| ⁹ Proposed Pool 1 Wilson Morrow (Gas) | | | | | | ¹⁰ Proposed Pool 2 | | | |

| | | | | |
|-----------------------------------|--|--------------------------------------|---|--|
| ¹¹ Work Type Code N | ¹² Well Type Code G | ¹³ Cable/Rotary Rotary | ¹⁴ Lease Type Code State Land | ¹⁵ Ground Level Elevation 3664 |
| ¹⁶ Multiple N | ¹⁷ Proposed Depth 13,000 | ¹⁸ Formation Morrow | ¹⁹ Contractor Unknown | ²⁰ Spud Date Unknown |

²¹ Proposed Casing and Cement Program

| Hole Size | Casing Size | Casing weight/foot | Setting Depth | Sacks of Cement | Estimated TOC |
|-----------|-------------|--------------------|---------------|-----------------|---------------|
| | 20" | | 40' | Ready Mix | Surface |
| 17 1/2 | 13-3/8" | 54.5 | 1400' | 1200 | Surface |
| 12 1/4 | 9-5/8" | 40 | 5700' | 1175 | 1200 |
| 8 1/2 | 7" | 26 | 11,800' | 800 | 5,000 |
| 6 1/8 | 4-1/2" | 13.5 | 13,000' | 150 | 11,300' |

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone.
Describe the blowout prevention program, if any. Use additional sheets if necessary.

Drill and equip a development well. Complete in the Morrow gas reservoir.

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

| | | | |
|--|--|---|--|
| ²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Gabe Utz</i> Printed name: Gabe Utz Title: Regulatory Engineer Date: 1/25/01 Phone: 214-891-8454 | | OIL CONSERVATION DIVISION Approved by: Title: ORIGINAL RECORDS Approval Date: FEB 14 2001 Expiration Date: Conditions of Approval: Attached <input type="checkbox"/> | |
|--|--|---|--|

DRILLING PROGRAM – Attachment to Form C-101

Maynard Oil Company – Wilson Deep Unit No. 2
660' FNL, 660' FWL, Sec.13-T21S-R34E
Lea County, New Mexico

Proposed Total Depth: 13,000 ft.

Elevation: 3664.5'

Estimated Formation Tops

| | |
|-------------|---------|
| Rustler | 1,730' |
| Salt | 1,800' |
| Yates | 3,660' |
| Delaware | 5,470' |
| Bone Spring | 8,050' |
| Wolfcamp | 10,540' |
| Atoka | 11,890' |
| Morrow | 12,250' |

Casing & Cement Program

| <u>Hole Size</u> | <u>Csg. Size/Weight/Grade</u> | <u>Depth</u> | <u>Cement</u> | <u>Est. TOC</u> |
|------------------|-------------------------------|--------------|------------------------|-----------------|
| | 20" Conductor Pipe | 40' | Ready Mix | Surface |
| 17-1/2" | 13-3/8", 54.5 #/ft J-55 | 1400' | 1200 sx Class C | Surface |
| 12-1/4" | 9-5/8", 40 #/ft, N-80/K-55 | 5700' | 1175 sx 50-50 Poz 'C' | 1200' |
| 8-1/2" | 7", 26 #/ft, P-110 | 11,800' | 800 sx 50-50 Poz & 'C' | 5000' |
| 6-1/8" | 4-1/2", 13.5#/ft, P-110 | 13,000' | 150 sx Class H | 11,300' |

Drilling Fluids Program

| <u>Depth</u> | <u>Mud Weight</u> | <u>Viscosity</u> | <u>Fluid Loss</u> | <u>Comments</u> |
|----------------|-------------------|------------------|-------------------|--|
| 0-1400' | 8.4-8.8 | 32-34 | NC | fresh gel. caustic, paper |
| 1400-5700' | 9.8-10.0 | 28-30 | NC | cut brine water, lime, paper Star NP-110 |
| 5700-11,800' | 9.0-9.5 | 28-32 | NC | fresh/cut brine, caustic, paper Star NP-110 |
| 11,800-13,000' | 10.0-12.0 | 38-45 | <10cc | xanthan gum, white starch, barite if needed |

Blowout Prevention Program – Attachment to Form C-101

| | |
|-----------------|---|
| 0-1400' | 20" 2000# annular preventer system. |
| 1400'-5700' | 13-5/8" 3000# double ram type preventers, and a 3000# annular preventer. A choke manifold and 120 gallon accumulator with floor and remote operating stations and auxiliary power system. Test BOP to 1000 psi. |
| 5700'-11,800' | 11" 10,000# triple ram type preventers, 5000# annular preventer and rotating head body. Test BOP to 3000 psi. Install hydraulic drilling choke and mud/gas separator prior to 11,000'. |
| 11,800'-13,000' | 11" 10,000# triple ram type preventers, 5000# annular preventer and rotating head body. Test all rams, choke manifold, kill line, upper and lower kelly valves to 10,000 psi. Test annular BOP to 3000 psi. |

Any equipment failing to test satisfactorily will be repaired or replaced. Results of the BOP test will be recorded in the Driller's Log.

The BOP's will be maintained ready for use until drilling operations are completed. BOP drills will be conducted as necessary to assure that equipment is operational and each crew is properly trained to carry out emergency duties.

Accumulator shall maintain a pressure capacity reserve at all times to provide for the close-open-close sequence of the blind and pipe rams of the hydraulic preventers.

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
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WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

| | | |
|-----------------------------------|--------------------------------------|----------------------------------|
| API Number 30-025-35407 | Pool Code 87460 | Pool Name Wilson Morrow (Gas) |
| Property Code 25551 | Property Name WILSON DEEP UNIT | Well Number 2 |
| OGRID No. 033016 | Operator Name MAYNARD OIL COMPANY | Elevation 3664' |

Surface Location

| | | | | | | | | | |
|--------------------|---------------|------------------|---------------|---------|----------------------|---------------------------|----------------------|------------------------|---------------|
| UL or lot No. D | Section 13 | Township 21-S | Range 34-E | Lot Idn | Feet from the 660 | North/South line NORTH | Feet from the 660 | East/West line WEST | County LEA |
|--------------------|---------------|------------------|---------------|---------|----------------------|---------------------------|----------------------|------------------------|---------------|

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 |
| | | | | | | | | | |
| Dedicated Acres 320 | Joint or Infill | Consolidation Code | | 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

| | | | | |
|--|--|--|--|--|
| | | | | <p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><u>Gabe Utz</u> Signature Gabe Utz Printed Name Regulatory Engineer Title 1-29-01 Date</p> <p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>JANUARY 16, 2001 Date Surveyed AWB Signature & Seal of Professional Surveyor <u>Ronald J. Kidson</u> 01-19-01 01-11-0060 Certificate No. RONALD J. KIDSON 3239 GARY KIDSON 12641</p> |
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