

OFFER. UGMD NO. 22722  
PROPERTY NO. 11844  
POOL CODE 43328  
EFF. DATE 6/11/96  
API NO. 30-025-33481

ION  
240

FORM APPROVED  
OMB NO. 1004-0136  
Expires: February 28, 1995

UNITED STATES  
DEPARTMENT OF THE  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL  
WELL

☒

GAS  
WELL

☐

OTHER

SINGLE  
ZONE

☐

MULTIPLE  
ZONE

☐

2. NAME OF OPERATOR

The Wiser Oil Company

3. ADDRESS AND TELEPHONE NO.

c/o J. O. Easley, Inc., P. O. Box 1796, Roswell, NM 88201-1796 (505) 625-3758

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At Surface 2579' FNL & 1182' FEL, Unit H

At proposed prod. Zone 2579' FNL & 1182' FEL, Unit H

UNORTHODOX LOCATION

Subject to  
State Approval  
By State

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

± 1 mile Northeast of Maljamar, New Mexico

15. DISTANCE FROM PROPOSED \*  
LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT. 61'  
(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

120.00

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION \*

TO NEAREST WELL, DRILLING, COMPLETED 754'  
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

4800'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4280'

Lea County Controlled Water Basin

22. APPROX. DATE WORK WILL START \*

8-1-96

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | GRADE, SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT  |
|--------------|-----------------------|-----------------|---------------|---|
| 12 1/4"      | 8 5/8" J-55           | 24#             | 550'          | Circulate   |
| 7 7/8"       | 5 1/2" J-55           | 17#             | 4800'         | Sufficient to bring cmt 100'<br>above 8 5/8" casing shoe. |

Duration of Program: Drilling - Nine (9) days  
Completion - Thirty (30) days  
See attached for complete Drilling Program

EXHIBITS

Exhibit "A": Drilling Program  
Exhibit "B": H<sub>2</sub>S Plan  
Exhibit "C": Surface Use Plan  
Exhibit "D": Land Survey Plat  
Exhibit "E": Location Plat  
Exhibit "F": Existing Well Plat

Approved Subject to  
General Requirements and  
Special stipulations  
Attached

Exhibit "G": Rig Layout  
Exhibit "H": BOP Layout

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.  
SIGNED Michael R. Burch TITLE Agent for The Wiser Oil Company DATE 4-30-96  
Michael R. Burch, CPL

This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

(ORIG. SGD.) RICHARD L. MANUS

Area Manager

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

OP

## EXHIBIT "A"

### DRILLING PROGRAM

I. The geological surface formation is recent Permian with quaternary alluvium and other surficial deposits.

II. Estimated Tops of Geological Markers:

| <u>FORMATION</u>  | <u>DEPTH</u> |
|-------------------|--------------|
| Rustler Anhydrite | 540'         |
| Top of Salt       | 670'         |
| Base of Salt      | 1570'        |
| Queen             | 2650'        |
| Grayburg          | 3050'        |
| San Andres        | 3430'        |
| TD                | 4800'        |

III. Estimated depths at which water, oil, gas, or other mineral-bearing formations are expected to be encountered:

| <u>SUBSTANCE</u> | <u>DEPTH</u>                                       |
|------------------|--|
| Fresh Water      | There is little, if any, in this section           |
| Oil              | Fren 7-Rivers; Grayburg and San Andres below 3200' |
| Gas              | None anticipated                                   |

IV. A. Proposed Casing Program:

| <u>HOLE<br/>SIZE</u> | <u>CASING<br/>SIZE</u> | <u>GRADE</u>      | <u>WEIGHT<br/>PER FOOT</u> | <u>DEPTH</u> |
|----------------------|------------------------|-------------------|----------------------------|--------------|
| 12 1/4"              | 8 5/8"                 | New 8RD ST&C J-55 | 24#                        | 550'         |
| 7 7/8"               | 5 1/2"                 | New 8RD LT&C J-55 | 17#                        | 4800'        |

B. Proposed Cement Program:

8 5/8" Cmt w/ 300 sx Class "C" cmt w/2% CaCl. Circulate to surface.

5 1/2" Cmt w/ 700 sx Halliburton Lite w/1/4# Flocele, 325 sx Premium Plus w/.5% Halad-9, & 325 sx Premium Plus w/.5% Halad-344 w/3% KCl.

The top of cement is designed to reach 100' above 8 5/8" casing shoe.

V. Proposed Mud Program:

The well will be drilled to total depth using brine & fresh water. Depths of systems are as follows:

| <u>INTERVAL</u> | <u>MUD TYPE</u> | <u>MUD WT.</u> | <u>VISCOSITY</u> |
|-----------------|-----------------|----------------|------------------|
| 0-550'          | Fresh Water     | 8.8 ppg        | 30               |
| 550'-TD         | Brine Water     | 9.5-10.5 ppg   | 28               |

VI. Proposed Control Equipment:

Will install on the 8 5/8" surface casing a 10" Series 900 Type "E" Shaffer Double Hydraulic BOP and will test before drilling in the Queen formation. BOP working pressure: 3000 psi. See Exhibit "H" for BOP layout.

VII. Auxiliary Equipment:

Blowout preventor, gas detector, kelly cock, pit level monitor, flow sensors, and stabbing valve.

VIII A. Testing Program:

Drill Stem Tests: None planned

B. Logging Program:

| <u>LOG</u>      | <u>Interval</u> |
|-----------------|-----------------|
| GR-DLL-MSFL-Cal | T.D. - 2,300'   |
| GR-CNL-CDL-Cal  | T.D. - Surface  |

C. Coring Program:

None planned

- IX No abnormal pressures or temperatures are anticipated. In the event abnormal pressures are encountered, the proposed mud program will be modified to increase the mud weight. The estimated maximum bottom hole pressure is 1980 psi.

# EXHIBIT "D"

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-102  
Revised February 10, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                    |   |                    |  |
|------------------------------------|---|--------------------|--|
| API Number<br>30-025- <u>33481</u> |   | Pool Code<br>43329 | Pool Name<br>Maljamar Grayburg Sand Andres |
| Property Code<br>11844             | Property Name<br>Maljamar Grayburg Unit |                    | Well Number<br>81                          |
| OGRID No.<br>22922                 | Operator Name<br>The Wiser Oil Company  |                    | Elevation<br>4280                          |

### 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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| E             | 3       | 17 S     | 32 E  |         | 2579          | North            | 1182          | East           | 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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
|               |         |          |       |         |               |                  |               |                |        |

| 12 Dedicated Acres | 13 Joint or Infill | 14 Consolidation Code | 15 Order No. |
|--------------------|--------------------|-----------------------|--------------|
| 40                 |                    |                       |              |

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>16</p> | <p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Michael R. Burch</i></p> <p>Signature</p> <p>Michael R. Burch, CPL</p> <p>Printed Name</p> <p>Agent for The Wiser Oil</p> <p>Company</p> <p>Title</p> <p>4-30-96</p> <p>Date</p>   |
|           | <p>18 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 22, 1996</p> <p>Date of Survey</p> <p>B. R. Patton</p> <p>Signature and Seal of Professional Surveyor:</p> <p><i>B. R. Patton</i></p> <p>Certificate Number</p> <p>8112</p> |
|           |  |
|           |  |

EXHIBIT "H"

BOP LAYOUT

The Wiser Oil Company  
Maljamar Grayburg Unit #81

BOP & CHOKE MANIFOLD

12"/900 Cameron SS Space Saver  
3000# Working Pressure  
3000# Working Pressure Choke Manifold

