

UNITED STATES
DEPARTMENT OF
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT

OPER. OGRID NO. 22922
PROPERTY NO. 11844
POOL CODE 43329
EFF. DATE 5/16/96
API NO. 30-025-33454

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

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.

207 West McKay
Carlsbad, NM 88220 (505) 885-5433

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

At surface

672' FSL & 2162' FWL, Unit N

At proposed prod. zone

5. LEASE DESIGNATION AND SERIAL NO.

NM 0315712

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Maljamar Grayburg Unit

8. FARM OR LEASE NAME, WELL NO.

Well No. 153

9. API WELL NO.

30-025-

10. FIELD AND POOL, OR WILDCAT

Maljamar Grayburg San Andres

11. SEC., T., R., M., OR BLK.

AND SURVEY OR AREA

Sec. 4-T17S-R32E

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

1/4 mile west of Maljamar, New Mexico

12. COUNTY OR PARISH

Lea

13. STATE

15. DISTANCE FROM PROPOSED *

LOCATION TO NEAREST

2162'

PROPERTY OR LEASE LINE, FT.

(Also to nearest drilg. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

100'

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

4120' GR

16. NO. OF ACRES IN LEASE

3280

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

19. PROPOSED DEPTH

4400'

20. ROTARY OR CABLE TOOLS

Rotary

22. APPROXIMATE DATE WORK WILL START

February 1, 1996

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# | 500' - 1200' | Circulate |
| 7 7/8" | 5 1/2" J-55 | 17# | 4400' | Sufficient to bring top of cement to base of 8 5/8" csg |

Mud Program:

0 - 1200'
500' - TD

Drill with fresh water
Drill with brine water

BOP Program:

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.

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

Melanie Harker

TITLE

Agent

DATE

11/8/96

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

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:

APPROVED BY

Timothy P. O'Brien

TITLE

Acting Area Manager

DATE

5-9-96

*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.

District I
PO Box 1988, Hobbs, NM 88241-1988
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 30-025- 33454 | | Pool Code 43329 | Pool Name Maljamar Grayburg San Andres |
| Property Code 011844 | Property Name Maljamar Grayburg Unit | | Well Number 153 |
| OGRID No. 022922 | Operator Name The Wiser Oil Company | | Elevation 4120 |

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 | 4 | 17 S | 32 E | | 672 | South | 2162 | 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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| | | | | | | | | | |

| | | | |
|--|-------------------------------|----------------------------------|-------------------------|
| ¹² Dedicated Acreage 40.539 | 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

| | | |
|-----------|--|--|
| <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>Melanie J. Parker</i> Signature Melanie J. Parker Printed Name Agent Title 12/8/95 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>September 6, 1995 Date of Survey P. R. Patton Signature and Seal of Professional Surveyor</p> <p><i>P. R. Patton</i> NEW MEXICO REGISTERED PROFESSIONAL LAND SURVEYOR 8112</p> | |
| | <p>Certificate Number 8112</p> | |

12-1-19



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT --" for such proposals.

5. Lease Designation and Serial No.
NM 0315712

6. If Indian, Allote or Tribe Name

7. If Unit or CA, Agreement Designation
Maljamar Grayburg Unit

8. Well Name and No.
153

9. Well API No.
30-025-

10. Field and Pool, or Exploratory Area
Maljamar Grayburg San Andres

11. County or Parish, State
Lea County, NM

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

The Wiser Oil Company

3. Address and Telephone No.

207 W. McKay, Carlsbad, NM 88220 885-5433

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

672' FSL & 2162' FWL, Unit N, Section 4-T17S-R32E

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | |
|--|--|---|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Abandonment | <input checked="" type="checkbox"/> Change of Plans |
| <input type="checkbox"/> Subsequent Report | <input type="checkbox"/> Recompletion | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Plugging Back | <input type="checkbox"/> Non-Routine Fracturing |
| | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Water Shut-Off |
| | <input type="checkbox"/> Altering Casing | <input type="checkbox"/> Conversion to Injection |
| | <input type="checkbox"/> Other | <input type="checkbox"/> Dispose Water |

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this zone.)

We request permission to change the setting depth of our 8 5/8" surface casing to 500' instead of the 1200' we have requested

on our Application for Permit to Drill. We would circulate production casing cement 100' above 8 5/8" casing shoe.

FEB 12

SJS

14. I hereby certify that the foregoing is true and correct.

Signed

Melanie Parker

Title

Agent

Date

01/19/96

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved By

Title

Date

Conditions of approval, if any:

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

*See Instruction on Reverse Side

APPLICATION FOR DRILLING

THE WISER OIL COMPANY
MALJAMAR GRAYBURG UNIT WELL NO. 153
672' FSL & 2162' FWL, UNIT N
SECTION 4, TOWNSHIP 17 SOUTH, RANGE 32 EAST
LEA COUNTY, NEW MEXICO
LEASE NO. NM-0315712

In connection with Form 3160-3, Application for Permit to Drill subject well, The Wiser Oil Company submits the following items of pertinent information in accordance with BLM requirements:

1. The geological surface formation is recent Permian with quaternary alluvium and other surficial deposits.
2. The estimated tops of geological markers are as follows:

| | |
|-------------------|-------|
| Rustler Anhydrite | 1060' |
| Top of Salt | 1290' |
| Base of Salt | 2220' |
| Queen | 3350' |
| Grayburg | 3800' |
| San Andres | 4100' |
| T.D. | 4400' |

3. The estimated depths at which water, oil or gas formations are anticipated to be encountered:

Water: There is little, if any, fresh water in this section.

Oil: Grayburg and San Andres below 3900'.

Gas: None anticipated.

4. Proposed Casing Program:

| <u>Hole Size</u> | <u>Interval</u> | <u>Casing OD</u> | <u>Weight, Grade, Type</u> |
|------------------------------------|---------------------------|------------------|----------------------------|
| 18" | 0-40' ⁵²⁵ 500' | 14" | Conductor |
| 12 1/4" ^{FM} 0' 40'-1200' | | 8 5/8" | 24# 8RD J-55 ST&C New |
| 7 7/8" 0' 1200'-TD | | 5 1/2" | 17# 8RD J-55 LT&C New |

18" Conductor Casing: Cemented with ready-mix to surface.

8 5/8" Intermediate Casing: Cemented with 300 sx Class "C" cmt w/ 2% CaCl. Circulate

to surface.

5 1/2" Production Casing: Cemented with 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 above cement volumes could be revised pending the caliper measurement from the open hole log. The top of cement is designed to reach 100' above 8 5/8" casing shoe.

5. Proposed Control Equipment: The blowout preventor equipment (BOP) will consist of a (3M System) double ram type (3000 psi WP) preventor. Both units will be hydraulically operated and the ram type preventor will be equipped with blind rams. Both BOP's will be installed on the 8 5/8" surface casing and utilized completely until total depth is reached. Prior to drilling out the 8 5/8" casing shoe, the BOP's and Hydril will be function tested as per BLM Drilling Operations Order #2.
6. Mud Program: The well will be drilled to total depth using brine & fresh water. Depths of systems are as follows:

| <u>Depth</u> | <u>Type</u> | <u>Weight (ppg)</u> | <u>Viscosity (1/sec)</u> | <u>Water Loss (cc/30 min)</u> |
|--------------|-------------|-------------------------|------------------------------|-----------------------------------|
| tm 0-550' | Fresh Water | 8.8 | 30 | No Control |
| 500' 550'-TD | Brine Water | 9.5-10.5 | 28 | No Control |

7. Auxiliary Equipment: Blowout preventer, gas detector, kelly cock, pit level monitor, flow sensors and stabbing valve.
8. Testing, Logging and Coring Programs:

Drill Stem Tests: None planned.

Logging: GR-DLL-MSFL-Cal T.D. - 2300'
GR-CNL-CDL-Cal T.D. - Surface
9. 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 anticipated bottom hole pressure is 1980 psi.
10. Notice of Staking was sent to Carlsbad, New Mexico BLM office. A Cultural Resources Examination will be completed by Archaeological Survey Consultants and a copy forwarded to the Carlsbad, New Mexico BLM office.

Road and location preparation will not be undertaken until approval has been received from

the BLM. The anticipated spud date is approximately February 1, 1996. The drilling operation should require approximately 9 days. If the well is deemed productive, completion operations will require, at minimum, an additional 30 days of testing to ascertain whether permanent production facilities will be constructed.

BOP & CHOKE MANIFOLD

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

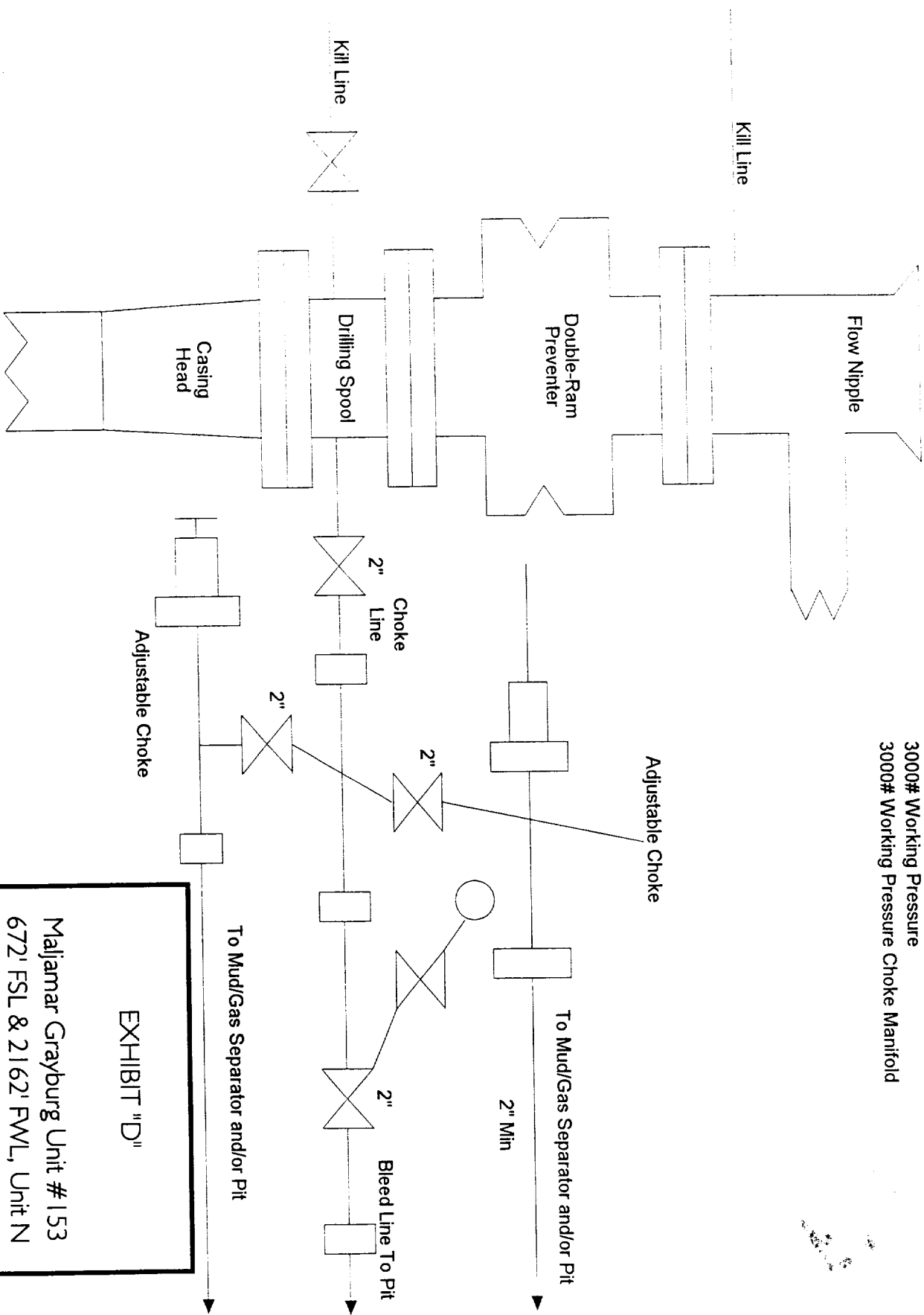


EXHIBIT "D"

Maljamar Grayburg Unit # 153
672' FSL & 2162' FWL, Unit N
Section 4, T17S, R32E
Lea County, New Mexico

11/26/97

FTF