

U. S. DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OPER. OGRID NO. 22927  
PROPERTY NO. 11844  
POOL CODE 43329  
EFF. DATE 2/15/96  
API NO. 30-025-33298

DATE  
is on

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

APPLICATION FOR PERMIT

1a. TYPE OF WORK

Drill ☒

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

**UNORTHODOX LOCATION:**  
124' FSL & 1663' FWL, Unit N

Subject to  
Like Approval  
By State

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. 100

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

PROPERTY OR LEASE LINE, FT.

1663'

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

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

860'

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

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

4107' GR

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#	1200' 500'	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: 500'

0 - 1200'

2 1200' - TD  
500'

Drill with fresh water

Drill with brine water

Approval Subject to  
General Requirements and  
Special Stipulations  
Attached

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.

R-10533

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

*1/8/96*

(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:

APPROVED BY

TITLE

DATE

*FEB 28 1996*

\*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 87211-0719  
District III  
1008 Rio Bravo 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 30-025-33298		* Pool Code 43329	* Pool Name Maljamar Grayburg San Andres
* Property Code 011844	* Property Name Maljamar Grayburg Unit		* Well Number 100
* OGRID No. 022922	* Operator Name The Wiser Oil Company		* Elevation 4107

**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		124	South	1663	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 Acres 40		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><b>17 OPERATOR CERTIFICATION</b></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 12/8/95 Date</p>	
	<p><b>18 SURVEYOR CERTIFICATION</b></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 28, 1995 Date of Survey, P. P. R. PACEON Signature and Seal of Professional Surveyor  Certificate Number 8112</p>	

see Amended Plat

## APPLICATION FOR DRILLING

THE WISER OIL COMPANY  
MALJAMAR GRAYBURG UNIT WELL NO. 100  
124' FSL & 1663' 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'	14"	Conductor
12 1/4"	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>
500' 0-550'	Fresh Water	8.8	30	No Control
550-TD 500'	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

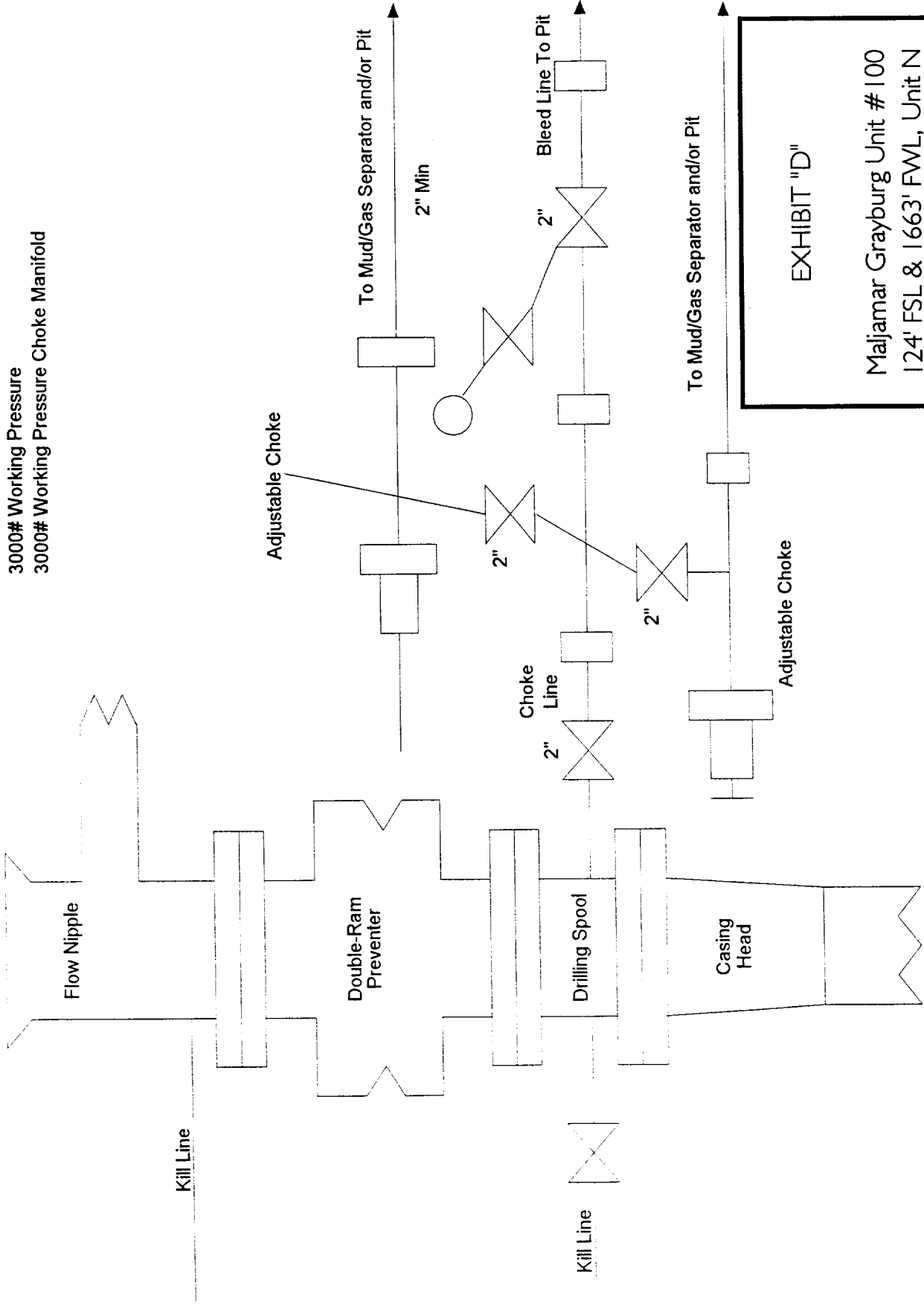


EXHIBIT "D"

Maljamar Grayburg Unit # 100  
124' FSL & 1663' FWL, Unit N  
Section 4, T17S, R32E  
Lea County, New Mexico