

J.M. OIL CONS. COMMISS
P.O. BOX 1980
HOBBS, NEW MEXICO 88240

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

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

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

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

1352' FSL & 1663' FWL, Unit K

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. 88

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 northwest of Maljamar, New Mexico

12. COUNTY OR PARISH

Lea

13. STATE

15. DISTANCE FROM PROPOSED *

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

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

1663'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

901'

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

4123' 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#	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

Non-standard
location

SUBJECT TO
LINE APPROVAL
BY STATE

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 Foster

TITLE

Agent

DATE

1/8/96

(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:

(ORIG. SCD.) RICHARD L. MANOR

AREA MANAGER

APPROVED BY

*See

OPER. OGRID NO.

22922

PROPERTY NO.

11844

POOL CODE

43320

EFF. DATE

4/14/96

API NO.

30-025-33365

agency of the United States

Title 18 U.S.C. Section 1001, makes it a crime for any person
any false, fictitious or fraudulent statements or representation:

District I
PO Box 1968, Hobbs, NM 88241-1968
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brason 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-		Pool Code 43329	Pool Name Maljamar Grayburg San Andres
Property Code 011844	Property Name Maljamar Grayburg Unit		Well Number 88
OGRID No. 022922	Operator Name The Wiser Oil Company		Elevation 4123

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
K	4	17 S	32 E		1352	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.
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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></p> <p>Signature</p> <p>Melanie J. Parker</p> <p>Printed Name</p> <p>Agent</p> <p>Title</p> <p>12/8/95</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>September 26, 1995</p> <p>Date of Survey</p> <p>P. B. PATTON</p> <p>Signature and Seal of Professional Surveyor</p> <p>REGISTERED PROFESSIONAL LAND SURVEYOR</p> <p>Certificate Number 8112</p>

APPLICATION FOR DRILLING

THE WISER OIL COMPANY
MALJAMAR GRAYBURG UNIT #88
1352' FSL & 1663' FWL, UNIT K
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
Δ 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

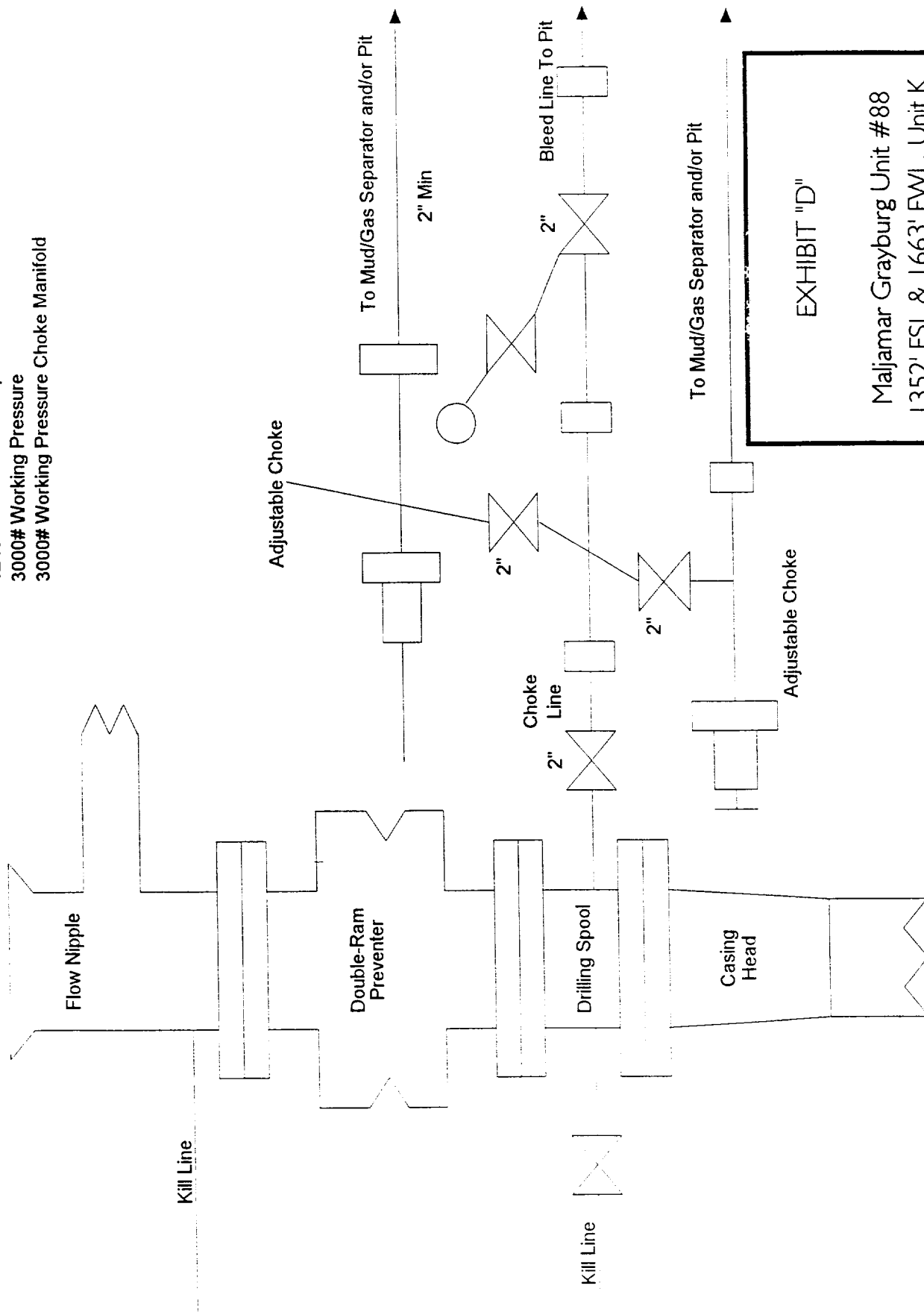


EXHIBIT "D"

Maljamar Grayburg Unit #88
1352' FSL & 1663' FWL, Unit K
Section 4, T17S, R32E
Lea County, New Mexico