

UNITED STATES  
DEPARTMENT OF  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT

PROPERTY NO. 11844  
POOL CODE 43329  
EFF. DATE 2/12/96  
API NO. 30025-3329

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

5. LEASE DESIGNATION AND SERIAL NO.  
**LC 059576**

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Maljamar Grayburg Unit

8. FARM OR LEASE NAME, WELL NO.

Well No. 109

3. ADDRESS AND TELEPHONE NO.

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

9. API WELL NO.

30-025-

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

At surface

2509' FNL & 330' FEL, Unit H

At proposed prod. zone

10. FIELD AND POOL, OR WILDCAT

Maljamar Grayburg San Andres

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

AND SURVEY OR AREA

Sec. 10-T17S-R32E

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

1/2 mile east of Maljamar, New Mexico

12. COUNTY OR PARISH

Lea

13. STATE

15. DISTANCE FROM PROPOSED \*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

330'

(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.

857'

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

4153' 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:

tm 0 - 500'  
500' 1200' - 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

*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:

APPROVED BY

*1st Yolanda Vega*

TITLE

DATE

*FEB 1 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.

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.

*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)

2509' FNL & 330' FEL, Unit H, Section 10-T17S-R32E

5. Lease Designation and Serial No.

LC 059576

6. If Indian, Allote or Tribe Name

7. If Unit or CA, Agreement Designation

Maljamar Grayburg Unit

8. Well Name and No.

109

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

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

TYPE OF SUBMISSION

- ☒ Notice of intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other  
☒ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ 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 7 1996

SJS

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

Signed

*Maureen Harker*

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

Revised February 10, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Free Lease - 3 Copies

## OIL CONSERVATION DIVISION

PO Box 2088

Santa Fe, NM 87504-2088

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-025- 44291	43329	Maljamar Grayburg San Andres
Property Code	Property Name	Well Number
011844	Maljamar Grayburg Unit	109
OGRIID No.	Operator Name	Elevation
022922	The Wiser Oil Company	4153

### <sup>10</sup> Surface Location

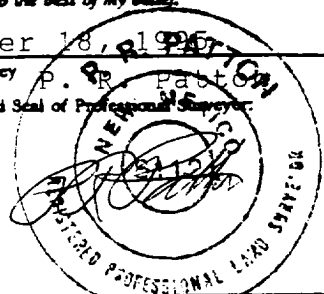
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	10	17 S	32 E		2509	North	330	East	Lea

<sup>11</sup> 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
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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

16					2509'	<b>17 OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  <i>Melanie J. Parker</i> Signature Melanie J. Parker Printed Name Agent Title 12/7/95 Date
					4156.6	<b>18 SURVEYOR CERTIFICATION</b> 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. October 18, 1996 Date of Survey P. R. Patton Signature and Seal of Professional Surveyor  Certificate Number 8112
					4145.8	
					4144.5	

## APPLICATION FOR DRILLING

THE WISER OIL COMPANY  
MALJAMAR GRAYBURG UNIT WELL NO. 109  
2509' FNL & 330' FEL, UNIT H  
SECTION 10, TOWNSHIP 17 SOUTH, RANGE 32 EAST  
LEA COUNTY, NEW MEXICO  
LEASE NO. LC-059576

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' 500' <sup>536</sup>	14"	Conductor
12 1/4"	40'-1200'	8 5/8"	24# 8RD J-55 ST&C New
7 7/8"	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>
<sup>500'</sup> 0-550'	Fresh Water	8.8	30	No Control
<sup>500'</sup> 500-TD	Brine Water	9.5-10.5	28	No Control

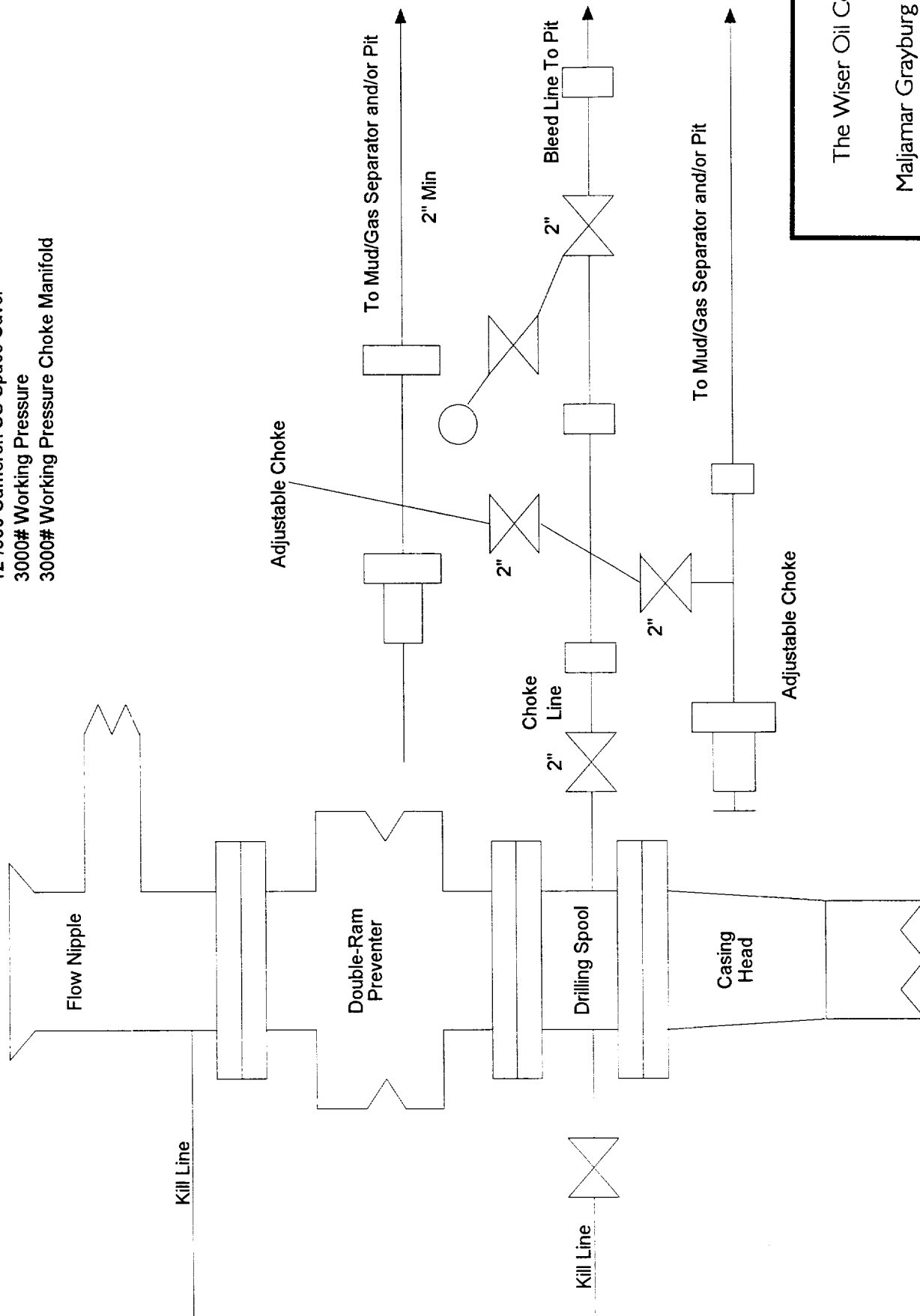
7. Auxiliary Equipment: Blowout preventer, gas detector, kelly cock, pit level monitor, flow sensors and stabbing valve.
8. Testing, Logging and Coring Programs:  
  
Drill Stem Tests: None planned.  
  
Logging: GR-DLL-MSFL-Cal T.D. - 2300'  
GR-CNL-CDL-Cal T.D. - Surface
9. No abnormal pressures or 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, 1995. 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



The Wiser Oil Company

Maljamar Grayburg Unit #109  
 2509' FNL & 330' FEL, Unit H  
 Section 10, T17S, R32E  
 Lea County, New Mexico

10/21/90  
ELF

10/21/90  
ELF