

UNITED
DEPARTMENT OF
BUREAU OF LAND

APPLICATION FOR PERMIT

OPER. CORID NO. 22922
PROPERTY NO. 11844
POOL CODE 43329
EXP. DATE 3/29/96
API NO. 30-025-33358

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 ☐

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Maljamar Grayburg Unit

2. NAME OF OPERATOR

The Wiser Oil Company

8. FARM OR LEASE NAME, WELL NO.

Well No. 91

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

1402' FSL & 1449' FWL, Unit K

10. FIELD AND POOL, OR WILDCAT

Maljamar Grayburg San Andres

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

AND SURVEY OR AREA

Sec. 3-T17S-R32E

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

1/8 mile north of Maljamar, New Mexico

12. COUNTY OR PARISH

Lea

13. STATE

15. DISTANCE FROM PROPOSED *

LOCATION TO NEAREST

1230'

PROPERTY OR LEASE LINE, FT.

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

16. NO. OF ACRES IN LEASE

3280

17. NO. OF ACRES ASSIGNED

TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

718'

19. PROPOSED DEPTH

4400'

20. ROTARY OR CABLE TOOLS

Rotary

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

4198' 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'

500' 0 - 1200'
1200' TD

Drill with fresh water

Drill with brine water

Approved by General Manager and Special Operations
Attended

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

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

3-25-96

*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 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 30-025- 33358		Pool Code 43329	Pool Name Maljamar Grayburg San Andres
Property Code 011844	Property Name Maljamar Grayburg Unit		Well Number 91
OGUID No. 022922	Operator Name The Wiser Oil Company		Elevation 4198

10 Surface Location

UL or lot no.	Section	Township	Range	Lot 10n	Feet from the	North/South line	Feet from the	East/West line	County
K	3	17 S	32 E		1402	South	1449	West	Lea

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 10n	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>Signature: <u>Melanie Parker</u></p> <p>Printed Name: <u>Melanie Parker</u></p> <p>Title: <u>Agent</u></p> <p>Date: <u>12/7/95</u></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>Date of Survey: <u>September 28, 1995</u></p> <p>Signature and Seal of Professional Surveyor: <u>P. R. Patton</u></p> <p>Certificate Number: <u>8112</u></p>

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)

1402' FSL & 1449' FWL, Unit K, Section 3-T17S-R32E

5. Lease Designation and Serial No.

LC 059576

6. If Indian, Aliotee or Tribe Name

7. If Unit or CA, Agreement Designation

Maljamar Grayburg Unit

8. Well Name and No.

91

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.)

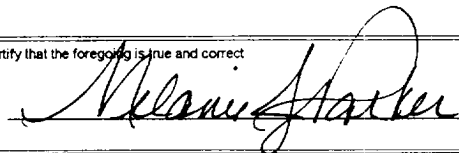
13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to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

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

Signed



Title

Agent

Date

01/19/96

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved By

Title

Date

1/26/96

Conditions of approval, if any:

Title 18 U. S. C. Section 1001, makes it a crime for any person knowingly and wilfully 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. 91
1402' FSL & 1449' FWL, UNIT K
SECTION 3, 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'	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>
<i>Adler</i> 500' 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.

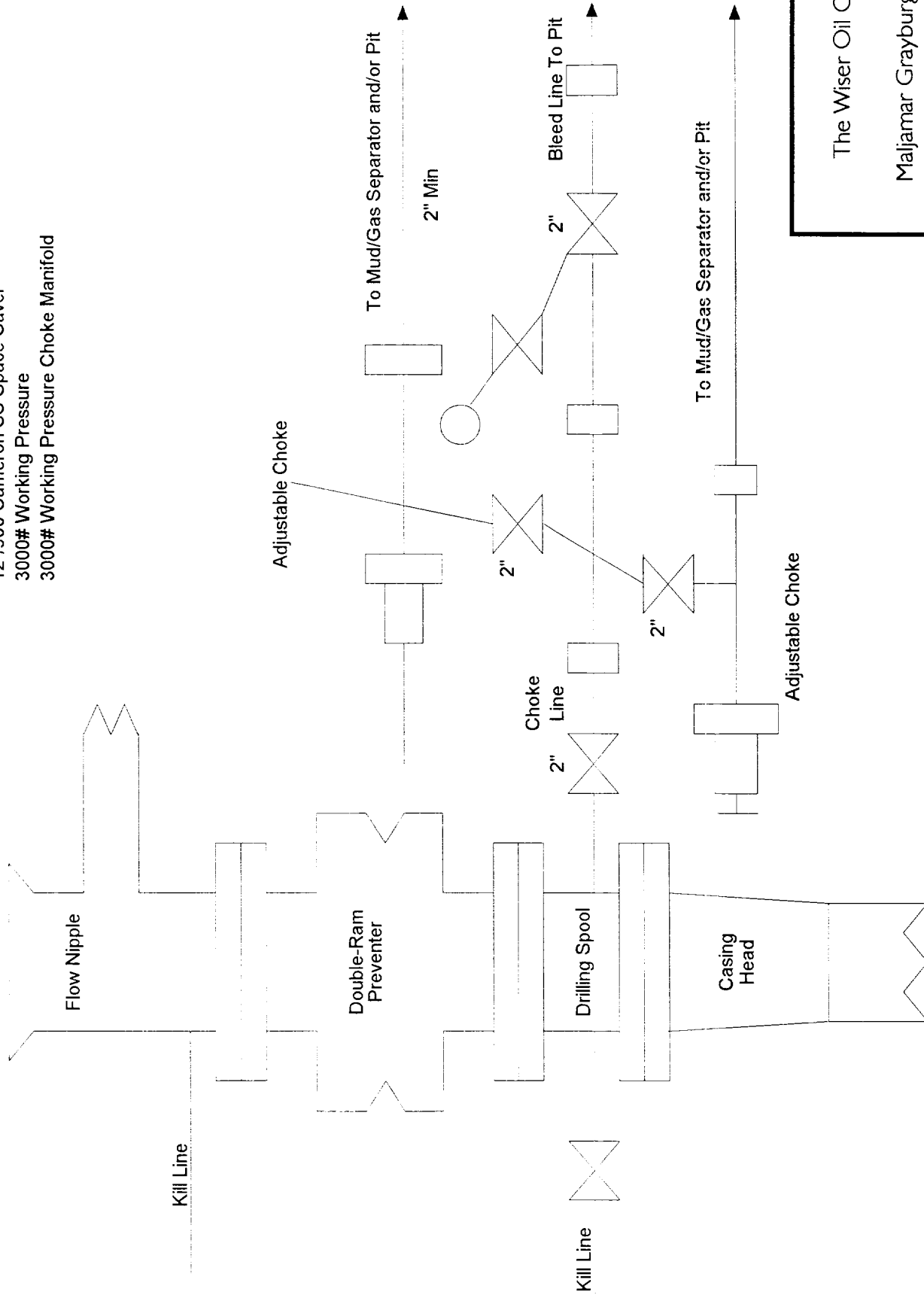
Road and location preparation will not be undertaken until approval has been received from



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



The Wiser Oil Company
 Majamar Grayburg Unit #9 I
 1402' FSL & 1449' FWL, Unit K
 Section 3, T17S, R32E
 Lea County, New Mexico