

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG-BACK

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG-BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☒GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☐MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

GURLEY OIL COMPANY 9536

## 3. ADDRESS OF OPERATOR

P. O. Box 2092, Farmington, NM 87499

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

At surface

330' FEL and 990' FNL

At proposed prod. zone

Same

OIL CON. DIV./  
DIST. 3

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

22 miles north of Crownpoint, NM

15. DISTANCE FROM PROPOSED\*  
LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

330' FEL

## 16. NO. OF ACRES IN LEASE

640

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.

660'

## 19. PROPOSED DEPTH

+ 2300'

## 20. ROTARY OR CABLE TOOLS

Rotary

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

6147 GR

This action is subject to technical and

## 22. APPROX. DATE WORK WILL START\*

May 1, 1991

## 23. PROPOSED CASING AND CEMENTING PROGRAM

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS"

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8-3/4"	7" ST&C	23# K-55	+ 120'	40 cu.ft. Class B Neat
6-1/4"	4-1/2" ST&C	10.5# K-55	+ 2300'	378 cu.ft. Class B Neat

We propose to drill a 8-3/4" hole to 120' and set 120' of 7" 23#/ft K-55 used casing, cemented with 40 cu ft Class B cement, circulated to surface. We will drill a 6-1/4" hole to 2300'. We will run induction and density logs, if oil sands are present we will run 2300' of 4-1/2" 10.5#/ft. used casing cemented with 378 cu.ft. of Class B cement, circulated to surface.

Circulating medium will be clear water, natural mud and water loss control additives. Unlined earth pits will be used. No abnormal pressures or temperatures are anticipated. A good supply of mud will be on hand to control the well as needed. Blowout preventor schematic is attached. We will use a 2000 psi WP annular blow out preventor. A Upper Kelly cock valve (with handle available) will be used. Safety valve and subs to fit all drill strings will be on the rig floor. Choke manifold equipment will be of the 2000 psi configuration. Estimated Formation Tops: Surface formation: Clays and Sand (Menefee); Point Lookout: 1060'; Top Mancos: 1200' Hospah: 2060'; Oil Sand: 2175'. Centralizers: Surface casing; shoe joint, 60' & at bottom of cellar. Production casing; across all water & oil sands.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, 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

L. Mike Maloney

TITLE

Manager

DATE

3-7-91

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED  
AS AMENDED

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

NM000

MAY 17 1991  
AREA MANAGER

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

**Item 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

**Items 15 and 18:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

**Item 22:** Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

Submit to Appropriate  
District Office  
State Lease - 4 copies  
Fee Lease - 3 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

RECEIVED  
OLM

91 MAR 12 AM 11:23

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

1000 Rio Brazos Rd., Aztec, N.M.

Operator <b>GURLEY OIL COMPANY</b>			Lease <b>PATIENCE 14</b>		Well No. <b>14-2</b>
Unit Letter <b>A</b>	Section <b>14</b>	Township <b>20N</b>	Range <b>13W</b>	County <b>McKinley</b>	
Actual Footage Location of Well: <b>990</b> feet from the <b>North</b> line and <b>330</b> feet from the <b>East</b> line					
Ground level Elev. <b>6147'</b>	Producing Formation <b>Hospah</b>		Pool <b>Wildcat</b>		Dedicated Acreage: <b>40</b> Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

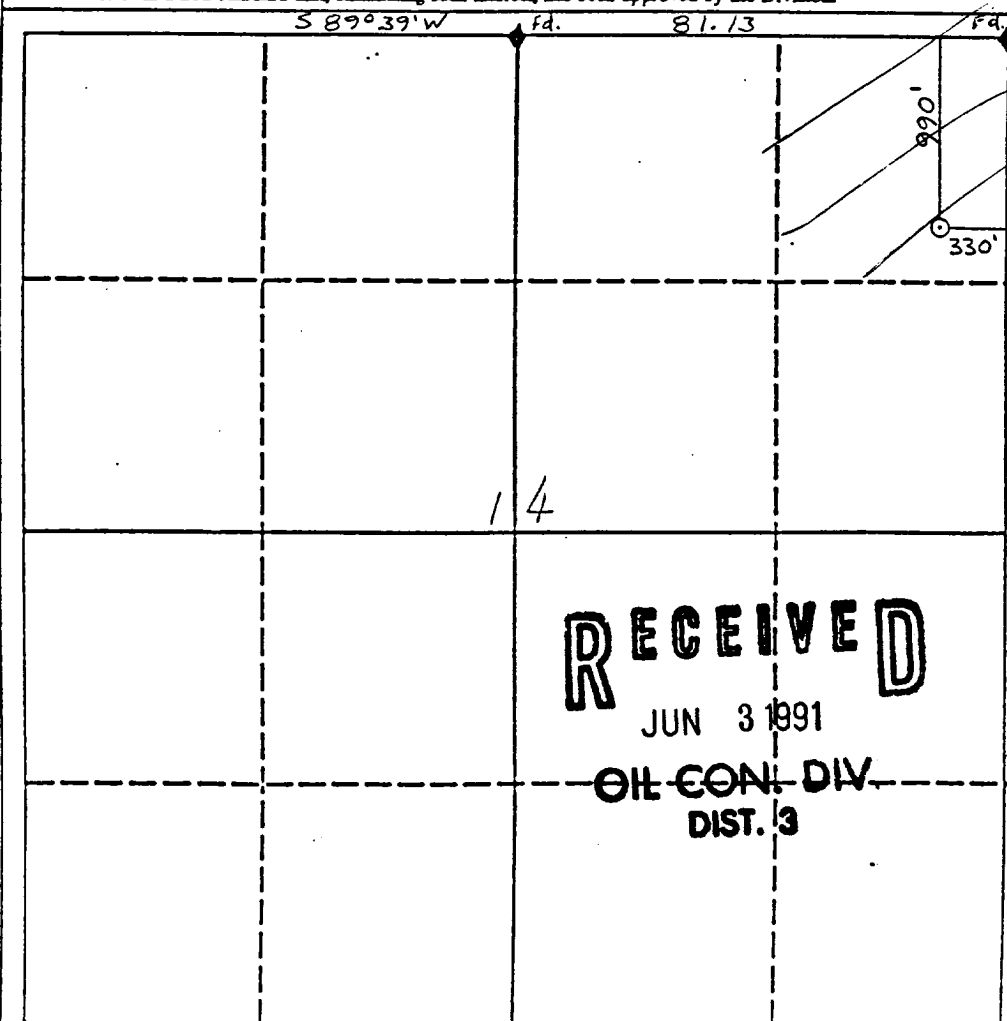
☐ Yes

☐ No

If answer is "yes" type of consolidation

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature

**Mike Maloney**

Printed Name

**Mike Maloney**

Position

**Manager**

Company

**Gurley Oil Company**

Date

**March 7, 1991**

SURVEYOR CERTIFICATION

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 knowledge and belief. 2-20-91

Date Surveyed

**Roy A. Rush**

Signature & Seal of Professional Surveyor

**ROY A. RUSH**  
NEW MEXICO  
8894  
REGISTERED PROFESSIONAL LAND SURVEYOR

Certificate No.

**8894**

