

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-045-21614

## 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

W. S. GALLAGHER

## 3. ADDRESS OF OPERATOR

101-2 Petroleum Plaza Bldg., Farmington, N.M. 87401

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

At surface

1830' FSL, 460' FEL

At proposed prod. zone

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

20 miles north of Kirtland, New Mexico

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

1830'

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

None

## 16. NO. OF ACRES IN LEASE

1704

## 19. PROPOSED DEPTH

3400'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

## 20. ROTARY OR CABLE TOOLS

Rotary

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

8091' S

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

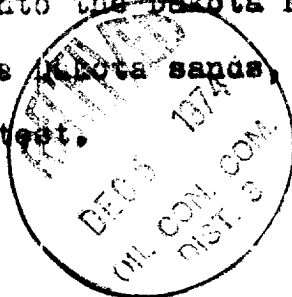
12-10-74

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	28	120'	100 ex.
7 7/8"	5 1/2"	19.5	32.35'	100 ex.

Plan to rotary drill 140' into the Dakota Formation, set  
production casing, perforate Dakota sands, stimulate well  
by fracing, run tubing and test.



DEC 4 1974

Production Unit: NE SE, Sec. 14, T32N, R15W, 40 Acres.

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

*W. S. Gallagher*

TITLE

Operator

DATE

Dec. 3, 1974

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

## 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.

**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form O-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section

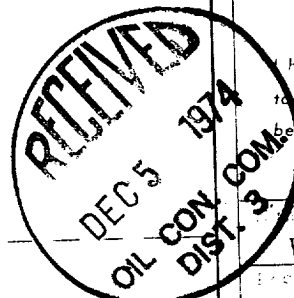
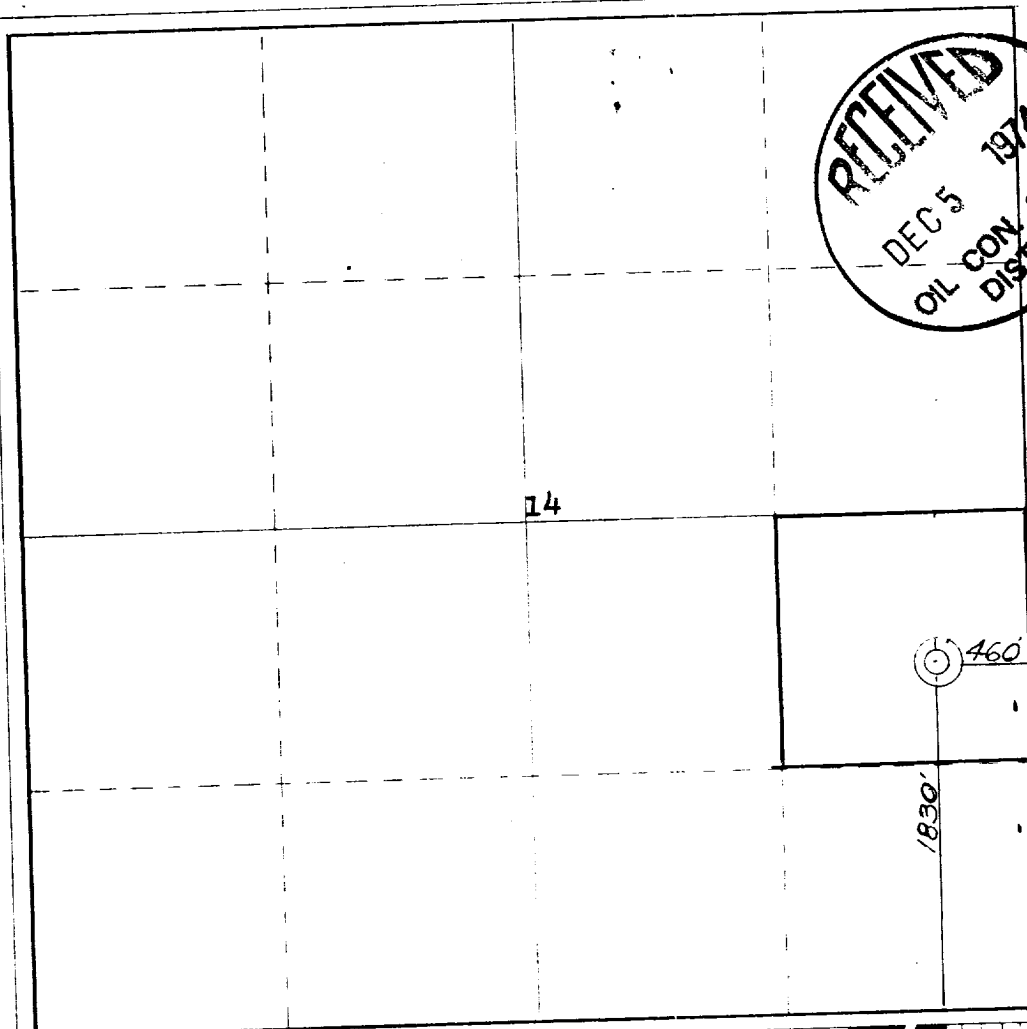
Operator <b>W. M. GALLAWAY</b>		Lease <b>MIDDLE CANYON</b>		Well No. <b>4</b>
Unit Letter <b>I</b>	Section <b>14</b>	Township <b>32 NORTH</b>	Range <b>15 WEST</b>	County <b>SAN JUAN</b>
Actual Electric Location of Well:				
<b>1830</b>	feet from the	<b>SOUTH</b>	line and	<b>460</b> feet from the
				<b>EAST</b>
Ground Level Elev. <b>6691</b>	Fire Hole Identification <b>DOKATA - WILDCAT</b>		Depth <b>MIDDLE CANYON</b>	Dedicated Acreage <b>40</b>

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 interests 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 interests, has been approved by the Commission.



**CERTIFICATION**

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

*W. M. Gallaway*

**W. M. Gallaway**

**Operator**

**W. M. Gallaway**

**Dec. 3, 1974**

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.

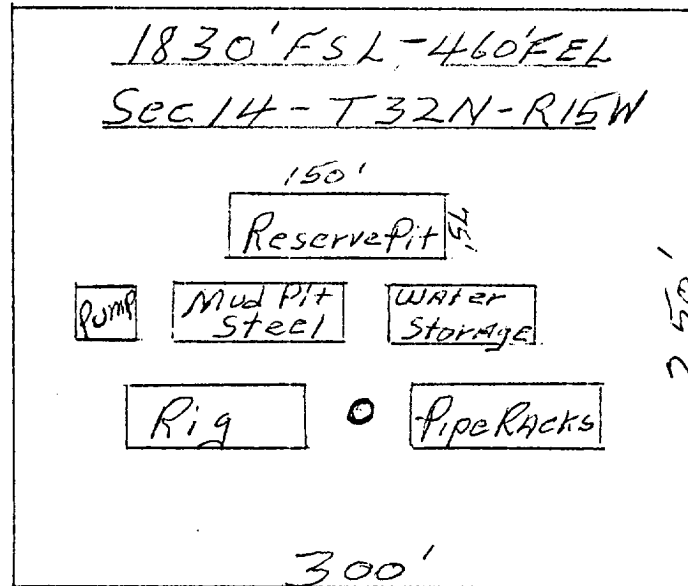
*James Est. Loese*

**November 1974**

**James Est. Loese**

**1463**

Development Plan  
Middle Canyon #4  
No Scale



This location is 20 miles north of Kirtland, New Mexico and the lease joins Colorado state line on the south.

The Middle Canyon #4 is proposed to be drilled on the location where Aztec Oil & Gas drilled the Middle Canyon #2 and later plugged and abandoned.

There will be no new roads.

Waste disposal will be handled by reserve pit.

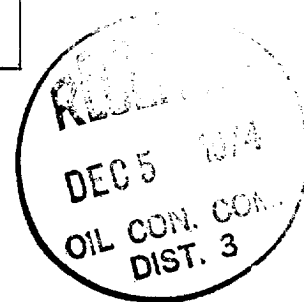
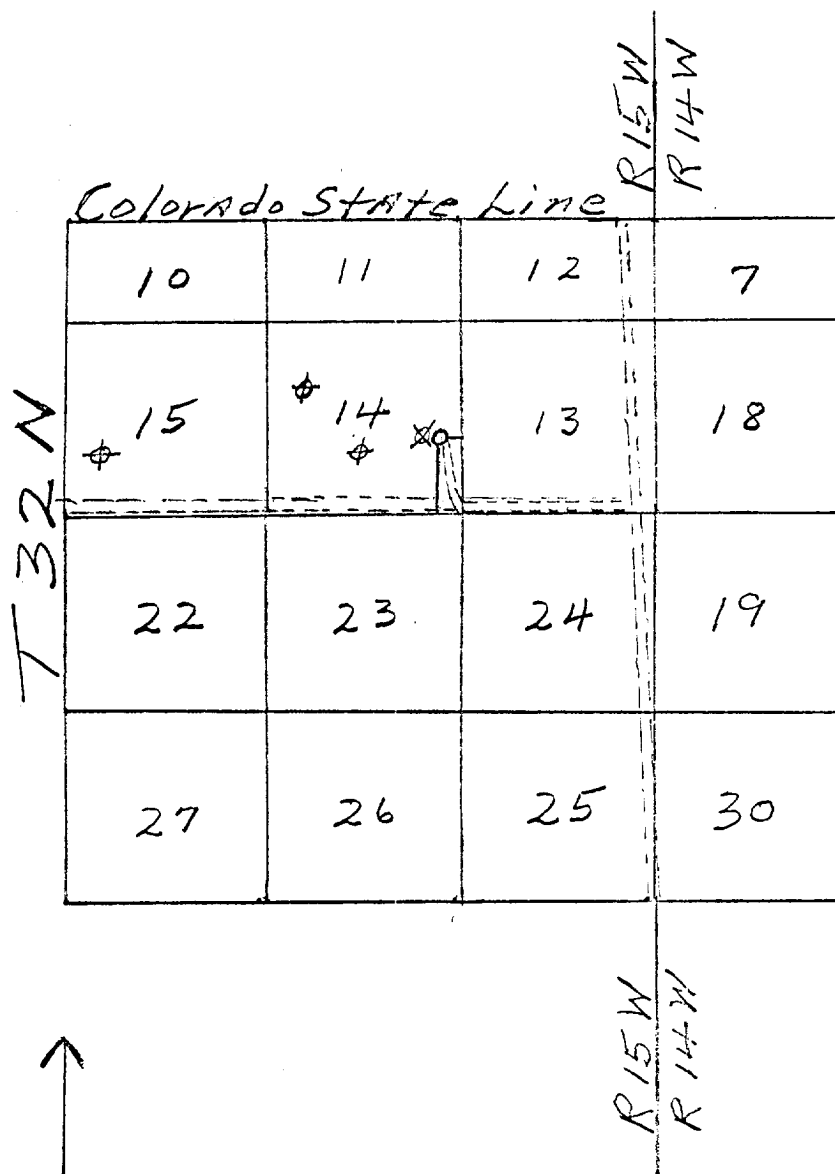
Water supply - off of skidded steel tank.

Plan to restore surface by leveling and filling after well is drilled.

Tank batteries would be west 300' from proposed well on part of old #2 location.

No camps or airstrips are planned.





VICINITY MAP FOR  
W. M. G A L L A W A Y

showing

Well Location in NE/4 SE/4  
Sec. 14, T32N, R15W, NMPM,  
San Juan County, New Mexico

Scale: 1" = 1 Mile

Date Dec. 3, 1974  
Farmington, New Mexico