

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

Curtis J. Little & E. R. Richardson

3. ADDRESS OF OPERATOR

2929 Monte Vista, NE, Albuquerque, New Mexico

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

At surface

2310' FWL, and 330' FML

At proposed prod. zone

Same

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

11 miles SW of Farmington

15. DISTANCE FROM PROPOSED*

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

330'

16. NO. OF ACRES IN LEASE

2280

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.

None

19. PROPOSED DEPTH

4950'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether SURF., GR., etc.)

5744 G.L.

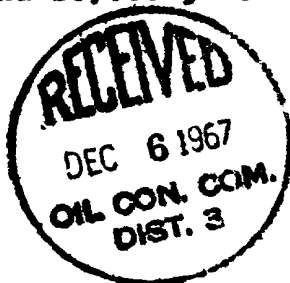
22. APPROX. DATE WORK WILL START*

December 5, 1967

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	24#	125'	70 SX
7 7/8	4 1/2	9.5#	4950	100 SX

Plan to drill 12 1/4" surface hole and set approximately 125' of 8 5/8" and cement to surface. Objective horizon is Gallup at approximately 4950'. Will run 4 1/2" and cement with 100 SX. Perforate and frac. with 20,000 # sand and 20,000 gal. oil. Run 2 7/8" tbg. and flo to tanks.



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U. S. GEOLOGICAL SURVEY
FARMINGTON, N.M.

IN ABOVE SPACE DESCRIBE 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 open directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE Co-operator

DATE 12/1/67

(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 ACERAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

Operator <u>Curtis J. Little & R. Richardson</u>		Lease <u>NAVASO</u>		Well No. <u>41</u>	
<u>14-20-0603-8847</u>		<u>LIBBY-OWEN LIBBY-OWEN</u>			
Unit Letter <u>C</u>	Section <u>5</u>	Township <u>27 North</u>	Range <u>14 West</u>	County <u>San Juan</u>	
Actual Footage Location of Well:					
<u>330</u> feet from the <u>North</u> line and <u>2310</u> feet from the <u>West</u> line					
Ground Level Elev. <u>5744 ungraded</u>	Producing Formation <u>GALLUP</u>	Pool <u>WILDCAT</u>	Dedicated Acreage: <u>40</u>		Acres

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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 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 all interests, has been approved by the Commission.

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DEC 6 1967
OIL CON. COM.
DIST. 8

CERTIFICATION

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

Name

Position

Company

Date

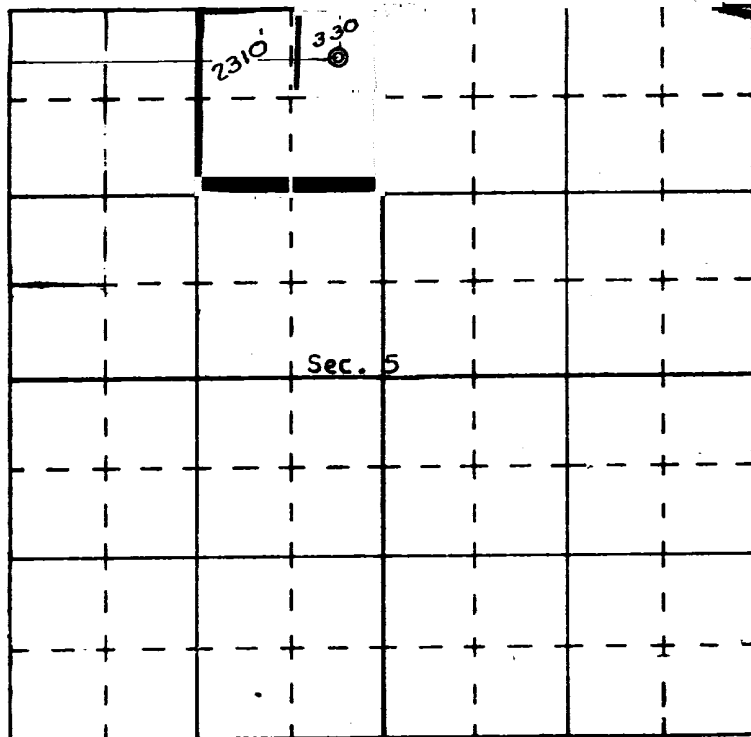
12-1-67

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by WILLIAM W. WILSON under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

November 22, 1967
Registered Professional Engineer
and/or Land Surveyor

Certificate No. 3602





100

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