

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

Water Injection

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Curtis J. Little

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

330' FEL 1360' FHL

At proposed prod. zone

Same

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

15 miles NE of Shiprock

15. DISTANCE FROM PROPOSED*

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

1980

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1300

16. NO. OF ACRES IN LEASE

2560

19. PROPOSED DEPTH

1655

17. NO. OF ACRES ASSIGNED
TO THIS WELL

None

20. ROTARY OR CABLE TOOLS

Rotary

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

5830 GR

22. APPROX. DATE WORK WILL START*

6-7-64

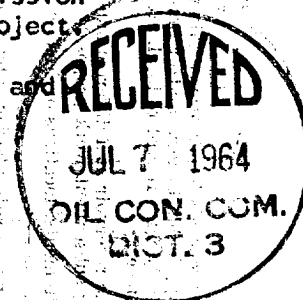
23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9-5/8	7-5/8	15.5	30	8 SX
4-3/4	2-7/8	6.5	1685	35 SX

Water Injection well approved by New Mexico Oil Conservation Commission - 13
Case No. 3036 and Order No. R-2700 for pressure maintenance project.

Gallup sand anticipated at 1615-1620. Plan to perforate oil sand and
water frac with 33,000 gallons.



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

TITLE

Operator

DATE

6-2-64

(This space for Federal or State office use)

APPROVED

PERMIT NO.

APPROVAL DATE

APPROVED BY 8-1964

CONDITIONS OF APPROVAL, IF ANY:

RICHARD B. KRAHL
ACTING DISTRICT ENGINEER

TITLE

DATE

*See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION

Well Location and Acreage Dedication Plat

SECTION A.

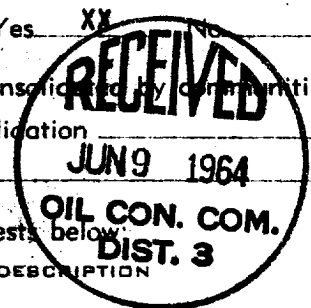
Date JUNE 1, 1964

Operator Curtis J. Little Lease NAVAJO
Well No. 4 - 28 Unit Letter I Section 28 Township 32 North Range 17 West NMPM
Located 1980 Feet From South Line, 330 Feet From East Line
County San Juan G. L. Elevation 5888 Dedicated Acreage 40 Acres
Name of Producing Formation GALLUP Pool MANY ROCKS

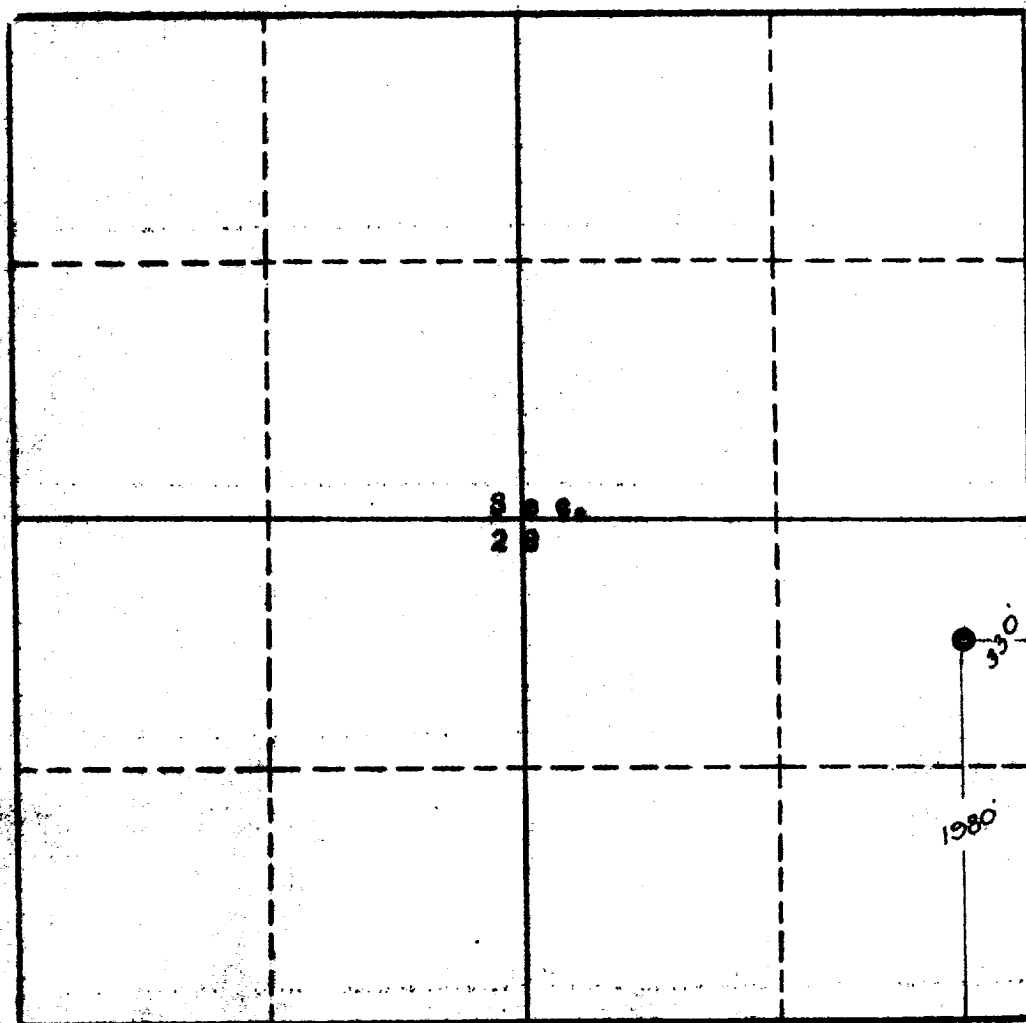
1. Is the Operator the only owner* in the dedicated acreage outlined on the plat below? Yes XX No
2. If the answer to question One is "No," have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes No If answer is "Yes," Type of Consolidation
3. If the answer to question Two is "No," list all the owners and their respective interests below:

OWNER

LAND DESCRIPTION



SECTION B.



RECEIVED

JUN 8 1964

This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

CURTIS J. LITTLE

(OPERATOR)

Curtis J. Little
(REPRESENTATIVE)

2929 MONTE VISTA NE

ALBUQUERQUE, NEW MEXICO

This is to certify that the well location shown on the plat in Section B 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.

Date Surveyed Nov. 29, 1963

Four States Engineering Co.
FARMINGTON, NEW MEXICO

Emil W. Cochran
REGISTERED ENGINEER OR
LAND SURVEYOR

Certificate No. 3602