

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-039-20454

5. LEASE DESIGNATION AND SERIAL NO.
Jicarilla Contr. #127

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Apache

9. WELL NO.
100

10. FIELD AND POOL, OR WILDCAT
Undesignated

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA
**Sec. 3-T24N-E4W
N.M.P.M.**

12. COUNTY OR PARISH
Rio Arriba

13. STATE
New Mexico

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
Manning Gas & Oil Company

3. ADDRESS OF OPERATOR
**102 Continental Oil Building, 1755 Glenarm Place
Denver, Colorado 80202**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface **435' from North Line, 475' from East Line,
Sec. 3-T24N-E4W**
At proposed prod. zone
Same as surface

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
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15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any) **435**

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

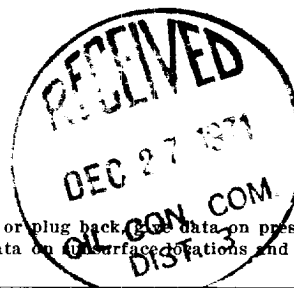
21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6876' GR

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	24.0	240	175 sbs
7-7/8	4-1/2	9.5 & 10.5	7600	450 sbs.

It is proposed to drill this well with rotary tools using mud as circulation through the Dakota Formation. Possible productive zones in the Gallup, Graneros and Dakota Formation will be completed. Production casing will be cemented in such a manner as to protect the Pictured Cliffs Formation.

Lot 1 and NE/4NE/4 Sec. 3 are dedicated to this well.



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. **Ewell M. Walsh** **Petroleum Engineer** **Consultant** **Dec. 20, 1971**

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

*Hold e 100 for
Burning line order
NSC for gas*

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 MANNING GAS & OIL COMPANY		Lease APACHE		Well No. 100
Unit Letter A	Section 3	Township 24 NORTH	Range 4 WEST	County RIO ARriba
Actual Footage Location of Well: 435 feet from the NORTH line and 475 feet from the EAST line				
Ground Level Elev. 6876.0	Oil & Gas Form No. Callup & Graneros Dakota	Pool Undesignated	Dedicated Acreage 72 32 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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?

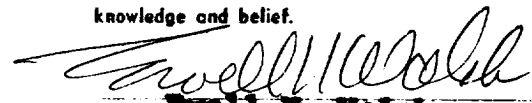
() Yes () No If answer is "yes," type of consolidation

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

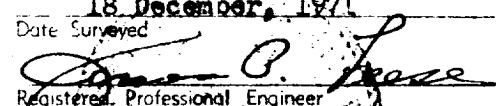
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non standard unit, eliminating such interests, has been approved by the Commission.

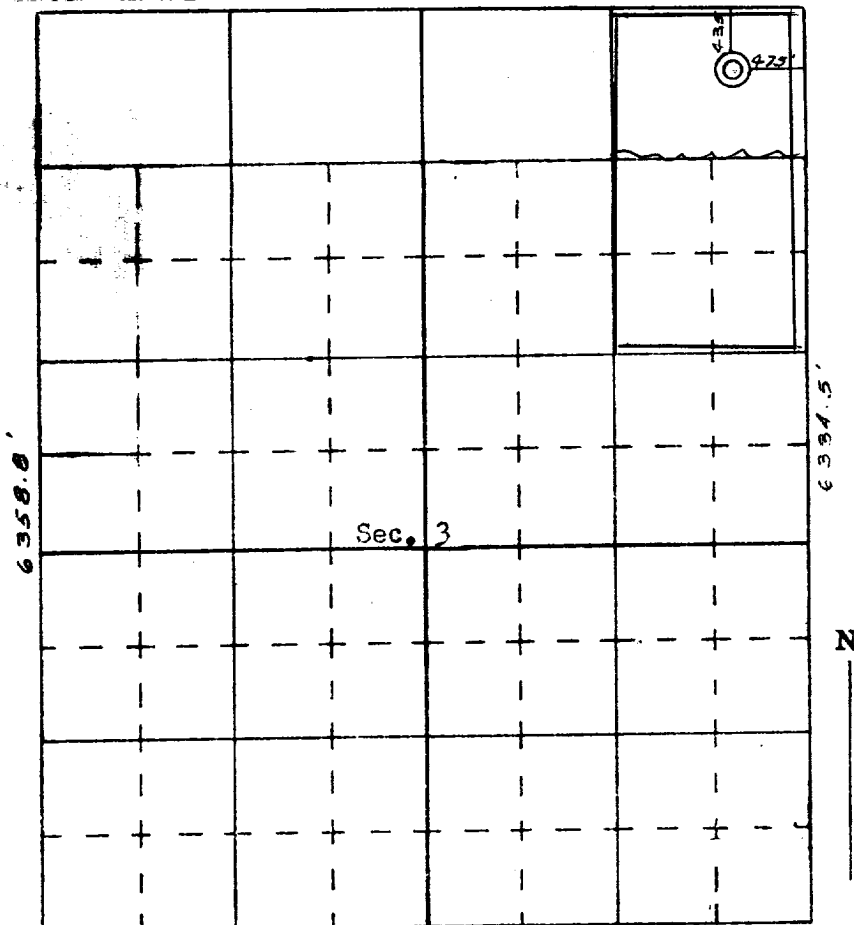
CERTIFICATION

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


 Name **Ewell N. Walsh**
 Position **Petroleum Engr. Consultant**
 For: **Manning Gas & Oil Co.**
 Company
 Date **December 20, 1971**

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.

18 December, 1971
 Date Surveyed

 Registered Professional Engineer
 and/or Land Surveyor
JAMES P. LEESE
1463
 Certificate No. **RES P LEESE**



SCALE—4 INCHES EQUALS 1 MILE **5786.9'**