

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.

14-20-600-3531

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Ute Mts

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Many Rocks Gallup Pro.

9. WELL NO.

21

10. FIELD AND POOL, OR WILDCAT

Many Rocks Gallup

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec. 17, T31N, R16W

12. COUNTY OR PARISH

San Juan

N.M.

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☐

OTHER

Water injection

☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

The Atlantic Refining Company

3. ADDRESS OF OPERATOR

P.O. Box 2197, Farmington, New Mexico

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

At surface

S.W. N.E. Unit 6 (1673' FNL, 1789' FOL) Sec. 17

At proposed prod. zone

Same

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

17 miles N.E. of Shiprock, New Mexico

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

343 S

861 W

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

300 S

1550 E

16. NO. OF ACRES IN LEASE

2560

19. PROPOSED DEPTH

1800'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

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

G.R. 5534.4'

22. APPROX. DATE WORK WILL START*

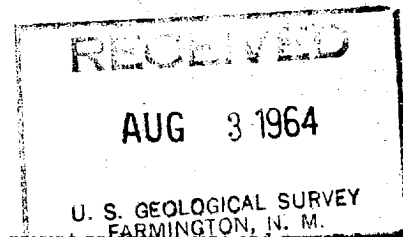
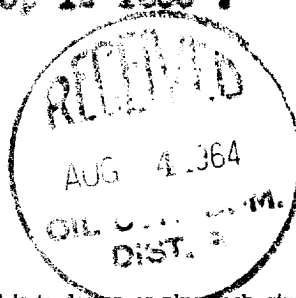
8/6/64

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2"	8 5/8"	26.47	60'	50 cubic feet
6 1/2"	4 1/2"	9.57	1800'	150 cubic feet

We propose to Drill this well for water injection into the upper and Lower Gallup formation as part of the Many Rocks Gallup Project. Water will be injected thru tubing into the lower Gallup and thru casing tubing annulus into the upper Gallup. The upper and lower Gallup zone will be separated by a tension type packer. Estimated upper Gallup top is 1464' and Lower Gallup top is 1600'.



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

Prod. & Drlg. Foreman

DATE

7/27/64

(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

Section A.

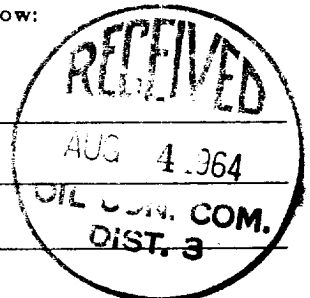
Date 7/30/64

Operator ATLANTIC REFINING CO. Lease ~~WATER INJECTION WELL~~ Mary Rocks Gallup
 Well No. 17-8-21 Unit Letter G Section 17 Township 31 NORTH Range 16 WEST, NMPM
 Located 1673 Feet From NORTH Line, 1789 Feet From EAST Line
 County SAN JUAN, N.M. G. L. Elevation 5534.4 Dedicated Acreage 40 Acres
 Name of Producing Formation Gallup Pool Mary Rocks Gallup

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below?
 Yes X 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 _____
2. If the answer to question two is "no", list all the owners and their respective interests below:

Owner

Land Description



Section B.

Note: All distances must be from outer boundaries of section.

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

The Atlantic Refining Co.

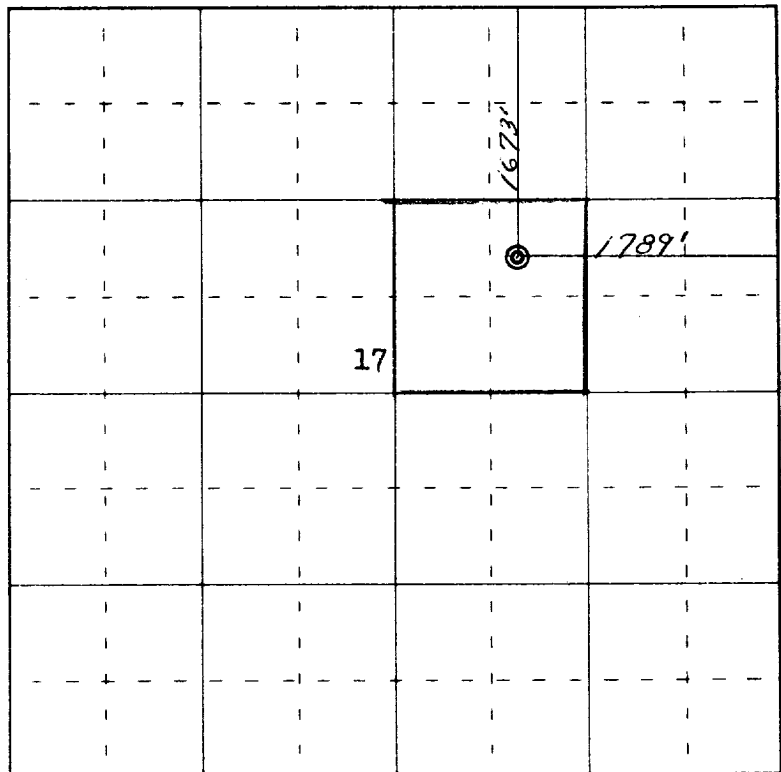
(Operator)

B. J. Sartin

(Representative)

Box 2197

(Address)

Farmington, N.M.

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

Scale 4 inches equal 1 mile

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Date Surveyed 24 January 1964

James P. Lease
 Registered Professional Engineer and/or Land Surveyor
 James P. Lease, N.Mex Reg. No. 1463
 San Juan Engineering Co.

