

THE ATLANTIC REFINING COMPANY  
PETROLEUM PRODUCTS

DALLAS, TEXAS

MSK 308  
New  
JWD 11-27-62

ADDRESS REPLY TO:  
P. O. BOX 520  
CASPER, WYOMING

P. O. Box 2197  
Farmington, N.M.  
November 20, 1962

DOMESTIC PRODUCING DEPARTMENT

New Mexico Oil Conservation Commission  
Attn: Mr. A. L. Porter, Jr. Secretary & Director  
P. O. Box 871  
Santa Fe, New Mexico

Dear Sir:

We wish to request approval for an unorthodox location for a water injection well in the Horseshoe Gallup Unit because of topographical conditions. A copy of the location plat and the Notice of Intention to Drill, which was submitted to the United States Geological Survey, is attached.

Also, a map showing topography of this area is attached. This topographic map is a portion of the U.S.G.S. Chimney Rock, New Mexico-Colorado Quadrangle enlarged to a scale of 1" = 1320'. Contour interval is 20'. All existing wells in section 14 are spotted on this map in red pencil. The overlay shows the location of all wells in Section 14. Well #79 is a proposed injection well which has not been drilled. All of these wells are included in the Horseshoe Gallup Unit.

All of section 14 is committed to the Horseshoe Gallup Unit. Also, the NE/4, E/2, NW/4, NW/4 NW/4, E/2 SE/4 and the NW/4 SE/4 of Section 15 and the NE/4, and N/2 NW/4 and SE/4 NW/4 of Section 23 are included in the participating area.

If you approve this location, will you please reply to the address shown below:

The Atlantic Refining Company  
P. O. Box 2197  
Farmington, New Mexico

Yours Very truly,  
THE ATLANTIC REFINING CO.

*B. J. Sartain*  
B. J. Sartain

BJS:sjc

Enclosure

Form 9-331b  
(April 1952)

(SUBMIT IN TRIPLICATE)

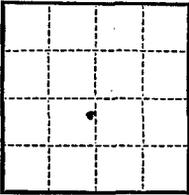
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Indian Agency \_\_\_\_\_

Mineral Right \_\_\_\_\_

Allottee Navajo Tribal

Lease No. 11-20-603-2022



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL <u>Injection Well</u> <input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF _____
NOTICE OF INTENTION TO CHANGE PLANS _____	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING _____
NOTICE OF INTENTION TO TEST WATER SHUT-OFF _____	SUBSEQUENT REPORT OF ALTERING CASING _____
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL _____	SUBSEQUENT REPORT OF REDRILLING OR REPAIR _____
NOTICE OF INTENTION TO SHOOT OR ACIDIZE _____	SUBSEQUENT REPORT OF ABANDONMENT _____
NOTICE OF INTENTION TO PULL OR ALTER CASING _____	SUPPLEMENTARY WELL HISTORY _____
NOTICE OF INTENTION TO ABANDON WELL _____	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 30, 1962

Horseshoe Gallup Unit  
Well No. 76 is located 2250 ft. from 17<sup>N</sup> line and 2630 ft. from 11<sup>W</sup> line of sec. 11  
NE 1/4 Sec 11 31<sup>N</sup> 17<sup>W</sup> NTPM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Horseshoe Gallup Unit San Juan New Mexico  
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~terrick~~ floor above sea level is 5700 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

We propose to drill this well for the purpose of injecting water into the lower Gallup sand as part of the Horseshoe Gallup secondary recovery project. 60' of 8 5/8" O.D. 2 1/2" casing will be set and cemented to surface. 1 1/2" O.D. 9.5# casing will be set to T.D. and perforated in the lower Gallup sand at approximately 1240'. Estimated T.D. is 1400'. A small Water frac (10,000# - 20,000# sand) may be necessary if initial injection rates are low.

We propose to inject water down 1 1/2" casing and out casing perforations in the lower Gallup. If present plans for corrosion control with chemicals are not successful; 2" tubing will be run and water injected thru tubing below a packer.

This well was included in the Plan of Development and Operation which was submitted July 25, 1962.

We are submitting a letter request for administrative approval of this acreage dedication for topographic reasons.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Atlantic Refining Company

Address P. O. Box 2197

Farrington, N.M.

By B. J. Dartin

Title Eng. & Prod. Supervisor

NEW MEXICO OIL CONSERVATION COMMISSION

Well Location and Acreage Dedication Plat

Section A.

Date OCTOBER 30, 1962

Operator ATLANTIC REFINING COMPANY Lease HORSESHOE GALLUP UNIT  
 Well No. 74 Unit Letter K Section 14 Township 31 NORTH Range 17 WEST NMPM  
 Located 2250 Feet From the SOUTH Line, 2630 Feet From the WEST Line  
 County SAN JUAN G. L. Elevation 5703.9' Dedicated Acreage 40.00 Acres  
 Name of Producing Formation Gallup (Lower) (For Water Inj.) Pool Horseshoe Gallup

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below?  
 Yes \_\_\_\_\_ No X
2. If the answer to question one is "no", have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes X No \_\_\_\_\_. If answer is "yes", Type of Consolidation.  
Horseshoe Gallup Unit Secondary Recovery Project
3. If the answer to question two is "no", list all the owners and their respective interests below:

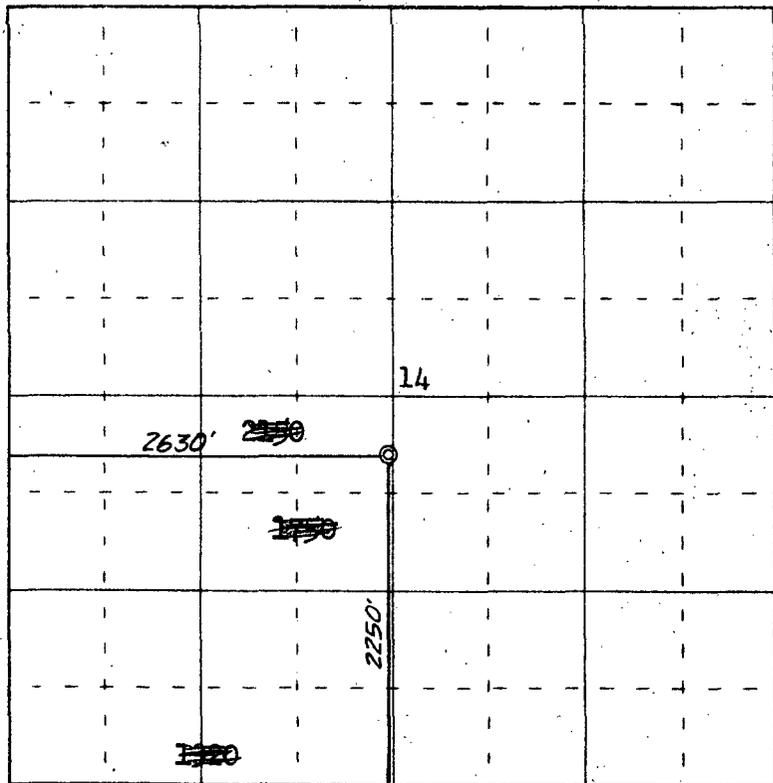
Owner	Land Description

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. Bastain  
 (Representative)  
P. O. BOX 2197  
 (Address)  
FARMINGTON, NEW MEXICO



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.

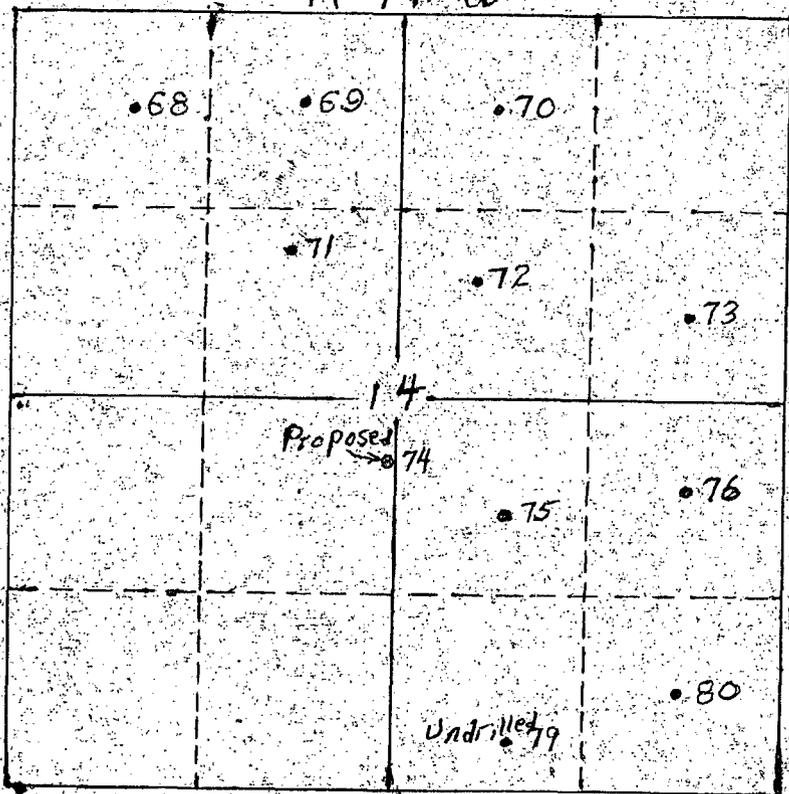
Date Surveyed 21 September 1962

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



Farmington, New Mexico

R-17-W





Rocks

5900

507

5800

5900

N

K58

OIL CONSERVATION COMMISSION

P. O. BOX 871  
SANTA FE, NEW MEXICO

November 30, 1962

The Atlantic Refining Company  
P. O. Box 2197  
Farmington, New Mexico

Attention: Mr. B. J. Sartain

Gentlemen:

Your request for approval of an unorthodox location for injection well (#74) caused a check to be made to ascertain whether permission to inject water into said well had been granted by Order No. R-2210 in Case No. 2519 or by approval of your Initial Plan of Development and Operation. It has been noted that the location of Well No. 74 coincides with the location of the well designated as Navajo "A" No. 25 for which permission to inject water was granted by the approval of The Plan of Development and Operation dated July 25, 1962.

So that the case file of Case No. 2519 may be kept current and to avoid further confusion, please provide this office with a list of the changes in well designations of your Horseshoe Gallup Unit showing designation of wells as of the time of approval of the unit and as of this date.

Very truly yours,

J. E. KAPTEINA  
Engineer

JEK/esr

C  
O  
P  
Y