

THE ATLANTIC REFINING COMPANY
PETROLEUM PRODUCTS
DALLAS, TEXAS

NSK 308
now
JWD 11-27-62

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DOMESTIC PRODUCING DEPARTMENT

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

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

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

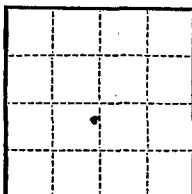
Enclosure

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency _____

Window Rock _____

Allottee Navajo TribalLease No. 14-20-603-2022

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. 74 is located 2250 ft. from N line and 2630 ft. from W line of sec. 14NE SW Sec 14
(1/4 Sec. and Sec. No.)31-N
(Twp.)17-W
(Range)NMPM
(Meridian)Horseshoe Gallup Unit
(Field)San Juan
(County or Subdivision)New Mexico
(State or Territory)

Ground

The elevation of the ~~terrick~~ floor above sea level is 5704 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 CompanyAddress P. O. Box 2197Farrington, N.M.By B. J. SartinTitle 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 X2. 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:

OwnerLand 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.

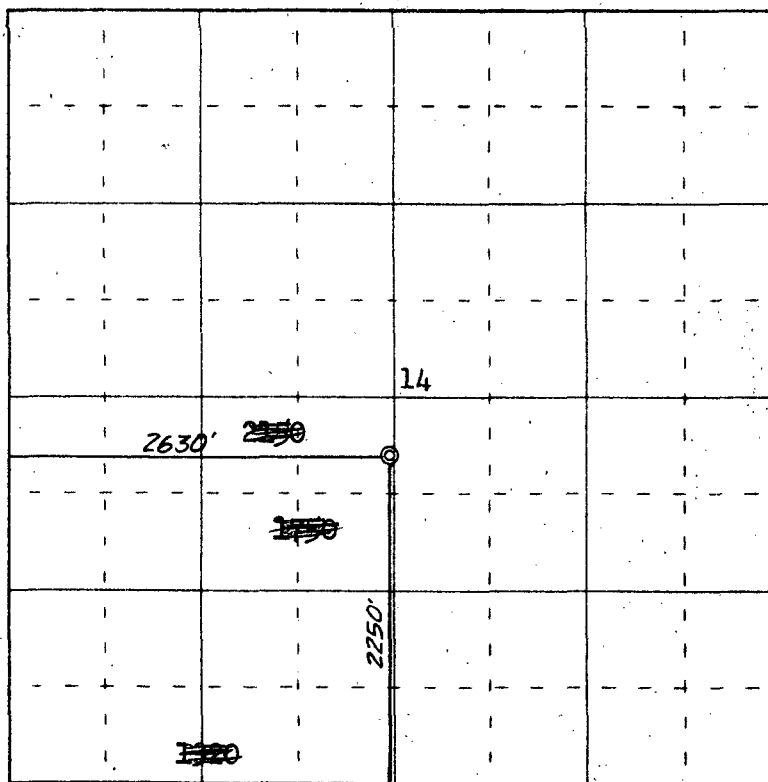
(Operator) -

B. J. Sartin

(Representative)

P. O. BOX 2197

(Address)

FARMINGTON, NEW MEXICO

0 830 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

Scale 4 inches equal 1 mile

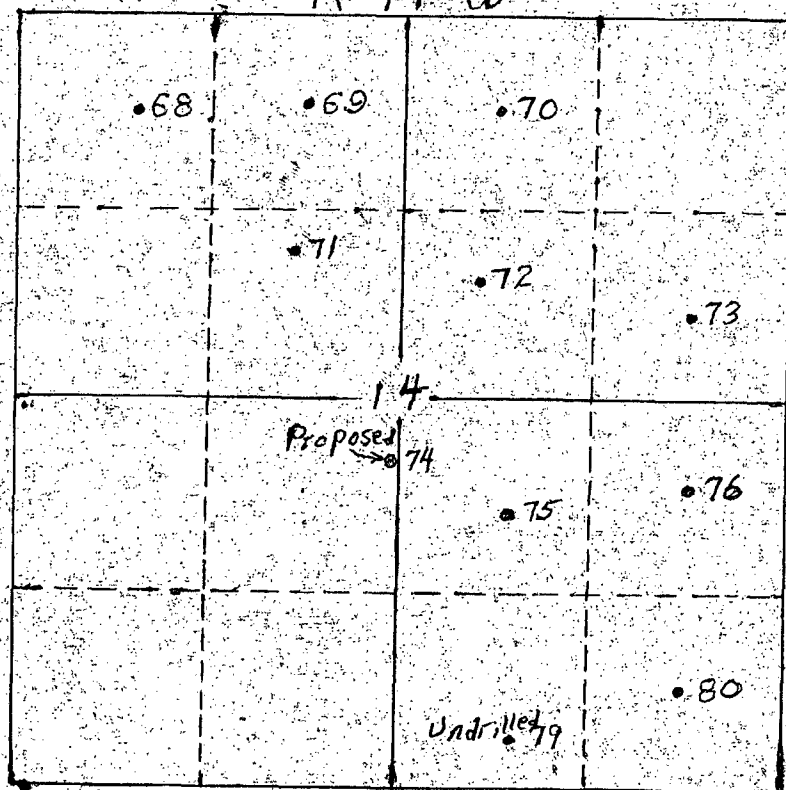
This is to certify that the above plat was prepared from field notes of actual surveys
 made by me or under my supervision and that the same are true and correct to the best
 of my knowledge and belief.

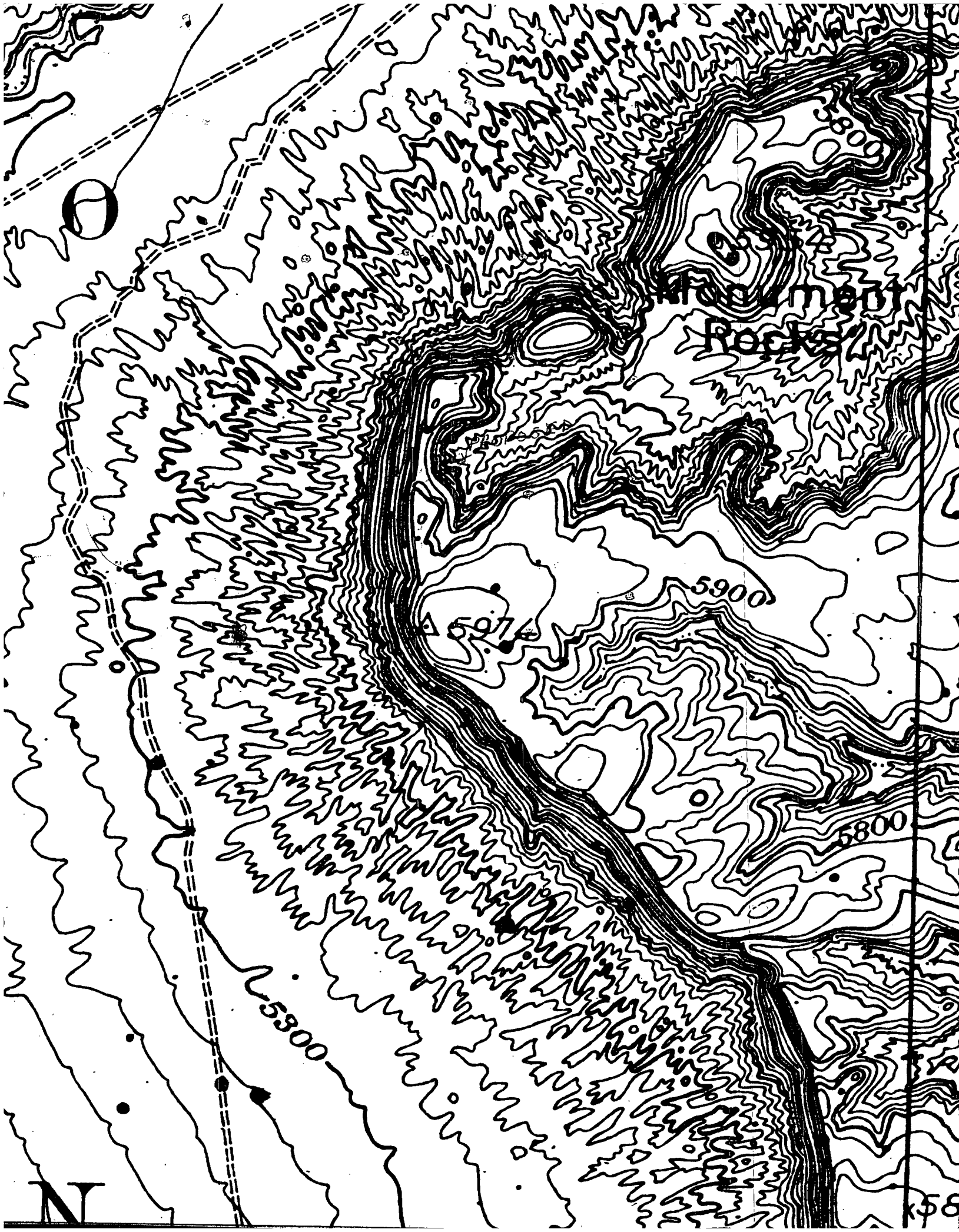
Date Surveyed 21 September 1962

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





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