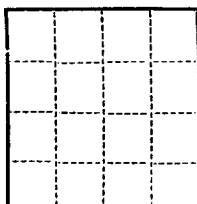


Form 9-331a
(Feb. 1951)



3- U.S.G.S. (SUBMIT IN TRIPLICATE)
1 - Mr. R. Johnston
1 - File

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office **SP 078381**
Lease No. **31-031-04**
Unit **29-5**
#14-00-002-437

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

Well No. **15-20** is located **1090** ft. from **N** line and **4690** ft. from **E** line of sec. **20**
 (1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
24 - **20** **29N** **24E**
 (Field) (County or Subdivision) (State or Territory)
San Arriba **New Mexico**

The elevation of the ~~surface~~ above sea level is **6613.6** 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)

Propose to drill 15" hole to 175' set 10-3/4" casing cemented w/150 ex 45 gal. Drill w/ water or mud and to 3562' set 7-5/8" casing w/125 ex 85 gal w/100 ex. next on bottom. Drill to total depth, 5,930' w/gas, set 5 1/2" casing cemented w/125 ex. 25 gal. Perforate Cliff House 5413 - 5427, & free w/40,000 gal water 1 1/2 ed/gal. Perforate Monks 5427 - 5735 & free w/20,000 gal. water w/ 1 1/2 ed. gal. Perforate point lookout 5735-5930 & free w/40,000 gal. water w/1 1/2 ed. gal. clean out to T.D. run tubing & compl. well.

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

Company **PACIFIC NORTHWEST PIPELINE CORPORATION**

Address **413 West Main St.,**
Farmington, New Mexico

By **J. A. Hugan**
Title **District Engineer**

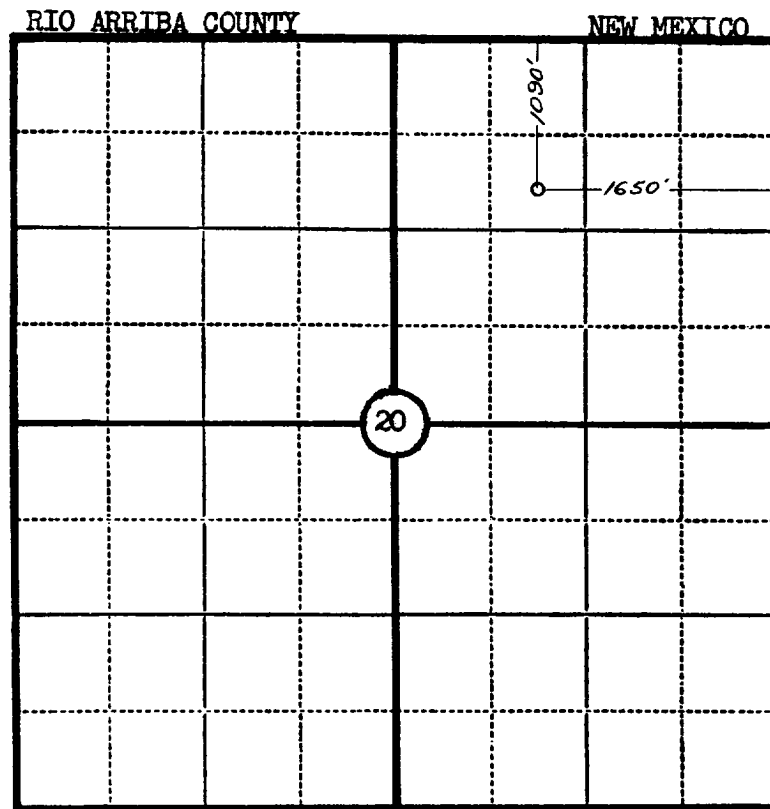
Company PACIFIC NORTHWEST PIPELINE CORPORATION

Lease..... Well No.....

Sec. 20, T. 29 N., R. 5 W., N.M.P.M.

Location 1090' FROM THE NORTH LINE AND 1650' FROM THE EAST LINE.

Elevation 6613.6 UNGRADED GROUND.



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.

Seal:

James P. Leese

Registered Land Surveyor.

James P. Leese

N. Mex. Reg. No. 1463

Surveyed 28 July, 1955

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

