

PM McGrath

P. T. McGrath
District Engineer

(ONE) P. T. McGrath

Very truly yours,

2. Furnish copies of all logs.

1. Drilling operations so authorized are subject to the attached sheet for general conditions of approval.

Your proposed work is hereby approved subject to compliance with the provisions of the "Oil and Gas Operating Regulations" revised May 25, 1942, a copy of which will be sent to you on request, and subject to the following conditions:

Receipt is acknowledged of your "Notice of Intention to Drill" dated August 10, 1955 covering your well No. 9-11 Rose Unit in SW 1/4 sec. 11, T. 31 N., R. 6 W., N. M., Rio Arriba County, New Mexico, without pool. *See p. 21*

Gentlemen:

Re: Santa Fe 078771
14-08-001-587

Pacific Northwest Pipeline Corporation
413 1/2 West Main Street
Farmington, New Mexico

August 18, 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. Box 965
Farmington, New Mexico

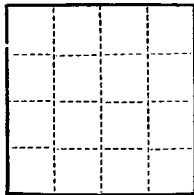


IN REPLY REFER TO:



DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
WASHINGTON, D. C. 20080

1. *Journal of the American Medical Association*, 1997; 277: 1039-1043.



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYLand Office **ALBUQUERQUE**Lease No. **075775**Unit **Room 3412****14-00-001-907****5- U.S.G.S.****2- U.S. Johnston****1- File**

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	☒	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 RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING 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)

August 15, 19**55**Well No. **9-11** is located **1800** ft. from **[S]** line and **1620** ft. from **[W]** line of sec. **11****54 1/2 Sec. 11**
(1/4 Sec. and Sec. No.)**11N**
(Twp.)**6W**
(Range)**S.M.P.M.**
(Meridian)**Bl. 52**
(Field)**Ala. Arriba**
(County or Subdivision)**New Mexico**
(State or Territory)**Ungraded Ground**The elevation of the ~~derrick floor~~ above sea level is **6275.4**.

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)

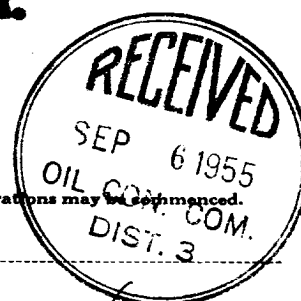
Propose to drill; 275' and set 10-3/4" OD casing, cement w/150 cc 45 gal. Then drill with water or minimum mud to 1496' and set 2-1/2" OD casing w/150 cc 85 gal w/50 cc mud on bottom. Then drill with gas to 3596' & set 5-1/2" casing and cement w/100 cc 25 gal, then drill w/gas to TD 5940'. Gas zones will be approx. 3332-3405, 3410-3486, and 3596-3940; Pecos Lockout to be fractured down casing using 20,000 gals w/avg 1-1/4" to 1-1/2" oil/gal. Manosco and Cliff House to be fractured separately down casing using 10,000 gals w/avg of 1-1/4" to 1-1/2" oil/gal, clean to bottom, run tubing and complete 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 **413-1/2 West Main Street****Albuquerque, New Mexico**

By

Title

District Engineer

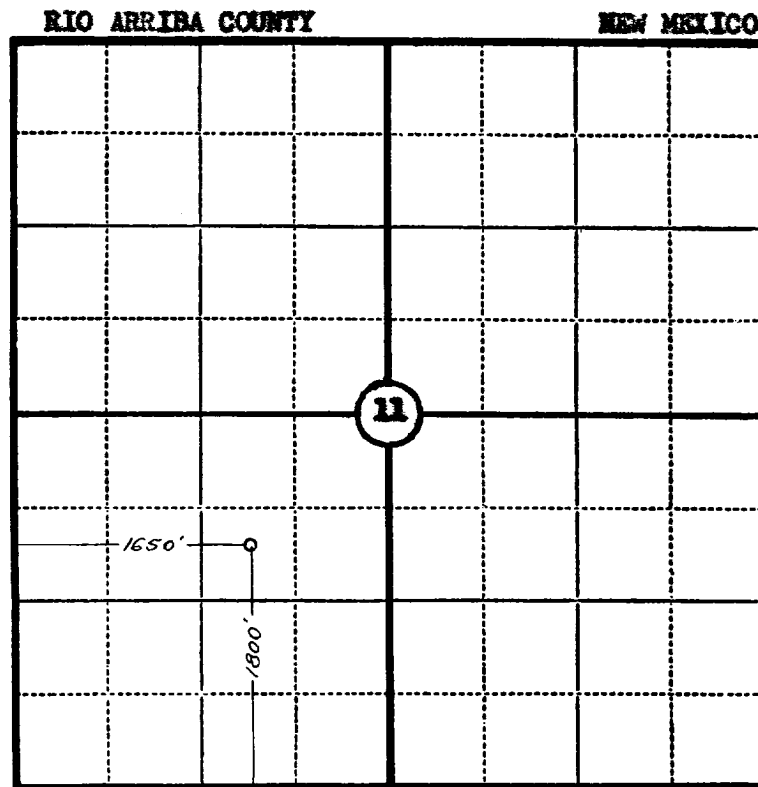
Company **PACIFIC NORTH-EAST PIPELINE CORPORATION**

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

Sec. **11**, T. **31 N.**, R. **6 W., N.M.P.M.**

Location **1800' FROM THE SOUTH LINE AND 1650' FROM THE WEST LINE.**

Elevation **6275.4 UNGRADED GROUND.**



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**, 19.....



SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.