



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

September 8, 1955

Pacific Northwest Pipeline Corporation  
113 1/2 West Main Street  
Farmington, New Mexico

Re: Santa Fe 579029  
14-08-001-1416

Gentlemen:

Receipt is acknowledged of your "Notice of Intention to Drill" dated August 29, 1955 covering your well No. 11-21 San Juan 32-A Unit in Sec. 21, T. 31 N., R. 8 W., N. M. S. M., Blanco Pool., San Juan County, New Mexico.

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:

1. Drilling operations so authorized are subject to the attached sheet for general conditions of approval.
2. Furnish copies of all logs.

Very truly yours,

P. T. McGrath  
District Engineer

PTMcGrath:ac



1- U.S.G.S. (SUBMIT IN TRIPLICATE)  
1- W.A. Johnston  
1- FileUNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYLand Office San Juan  
Lease No. 079029  
Unit 32-8  
#24-08-001-446

## 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            |                                     | 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 29, 1955Well No. 11-21 is located 1650 ft. from N line and 1650 ft. from E line of sec. 21SW 1/4 Sec. 21 (Sec. No.) 218 (Twp.) 8N (Range) N.M.P.M. (Meridian)Alamogordo (Field) San Juan (County or Subdivision) New Mexico (State or Territory)The elevation of the Ungrated Ground derrick floor above sea level is 6583 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)

To drill 15" hole to 250', set 10-3/4" casing cemented w/125 sz 45 gal, then drill to 3565' with water or minimum mud, set 7-5/8" casing, cemented w/100 sz 85 gal and 50 sz next on bottom, then drill with gas to total depth 5905' and set 5-1/2" casing, cemented with 100 sz 25 gal. Expected gas zones will be approx. 5360-5420, 5430-5750, 5760-5905, all three zones will be fractured down casing thru perforations. Sand frac with 40,000 gal w/1-1/4# to 1-1/2# oil/gal. for bottom zone. Use 10,000 gals with 1-1/4# to 1-1/2# oil/gal. each for middle and upper zone.

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 CORPORATIONAddress 413-1/2 West Main StreetFarmington, New MexicoBy J. A. RuppTitle District Engineer

COMPANY Pacific Northwest Pipeline Corporation

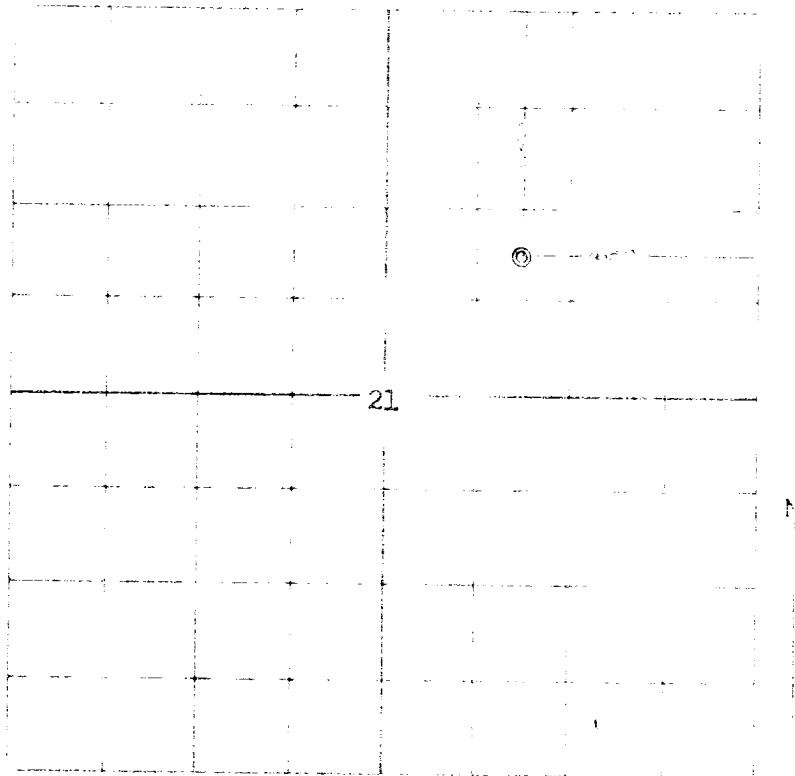
Acres 1650'

Section 1650' from the North line and 1650' from the East line.

Section SW 1/4

Sec. 21 T. 31 N. R. 8 W. San Juan County, New Mexico.

Ground Elevation 6583, ungraded.



Drawn and made by Ernest V. Eshohawk

Surveyed August 5, 19 55

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:

Ernest V. Eshohawk  
Farmington, New Mexico

Ernest V. Eshohawk  
Registered Land Surveyor  
N. M. Reg. # 1545