



COPY TO O. & G.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

P. O. Box 965
Farmington, New Mexico

August 3, 1955

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

Re: Santa Fe 079756
14-08-001-1055

Gentlemen:

Receipt is acknowledged of your "Intention to Drill" dated August 1, 1955 covering your well No. 9-3 San Juan 29-4 Unit in NW 1/4 sec. 3, T. 29 N., R. 4 W., N. M. P. M., Rio Arriba County, New Mexico, Wilcox pool.

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,

(Orig. Sgd.) P. T. McGrath

P. T. McGrath
District Engineer

PTMcGrath:sl

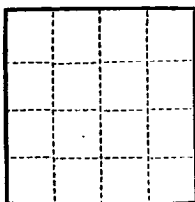


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



COPY TO OGC





(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa FeLease No. 805736Unit 20-114-08-002-1055

1- U. S. G. S.

1- W. R. 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 1, 1955Well No. 9-3 is located 990 ft. from N line and 990 ft. from W line of sec. 3
N 1/4 Sec. 3 (1/4 Sec. and Sec. No.) 20 N (Twp.) 4 W (Range) E. N. P. M. (Meridian)

Wildcat (Field) No Apache (County or Subdivision) New Mexico (State or Territory)
The elevation of the ~~drill floor~~ drill floor above sea level is 7541 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 19" hole to approx. 250' and set 9-5/8" CG casing cementing with 150 or 45 gal. Then drill to approx. 4232', set 7" CG casing and cement with 150 or 45 gal w/90 or more on bottom.

Expected gas zones 4232'-4362', 4362'-4526', fracture both zones simultaneously down casing using 20,000 gals w/1/2 oil/gal.

P.C. 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 CorporationAddress 413-1/2 West Main StreetFarmington, New MexicoBy J. A. RuggaTitle District Engineer

1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Lichtenthaler and Whistler (1973).

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Journal of Management Studies, 19(6), 701-718.



COMPANY Pacific Northwest Pipeline Corporation

Well Name & No. _____

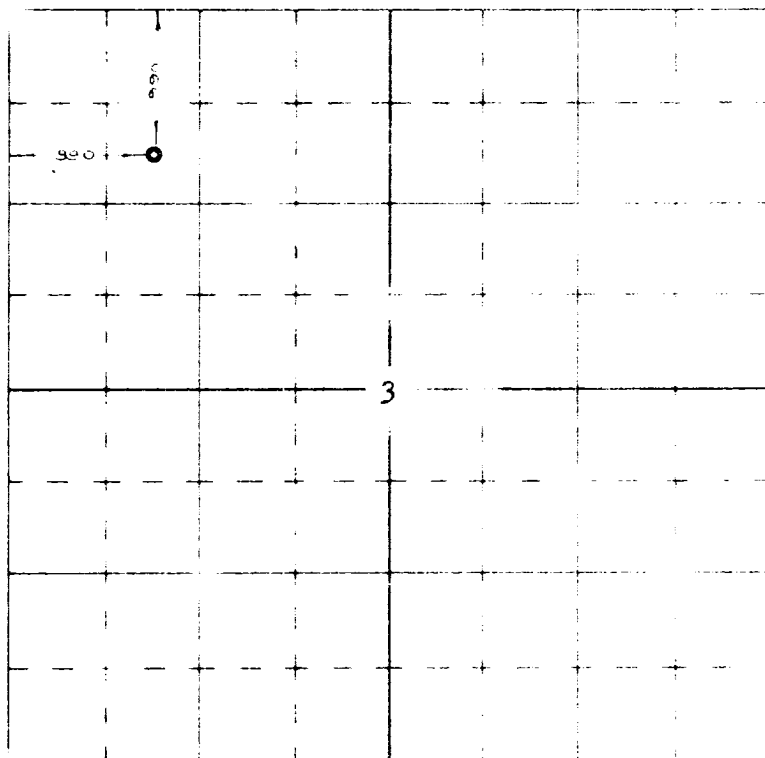
Lease No. _____

Location 990' from the North line and 990' from the West line.

Being in NW 1/4 NW 1/4

Sec. 3, T29 N, R 4 W., N.M.P.M., Rio Arriba County, New Mexico.

Ground Elevation 7541, ungraded.



Scale -- 4 inches equal 1 mile

Surveyed July 18, 1955

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.

Ernest V. Echohawk

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

RECEIVED

AUG 3 1955

U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

SF 079756-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

San Juan Unit 29-4

8. FARM OR LEASE NAME

9. WELL NO.

21

10. FIELD AND POOL, OR WILDCAT
Blanco Mesaverte Extension

East Blanco Pic. Cliffs

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

NW/4 SW/4 Section 5,

T-29-N, R-4-W

12. COUNTY OR PARISH 13. STATE

Rio Arriba

NM

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER
2. NAME OF OPERATOR
AMICO PRODUCTION COMPANY
3. ADDRESS OF OPERATOR
501 Airport Drive Farmington, NM 87401
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface
1715' FSL x 1785' FWL, Section 5, T-29-N, R-4-W
14. PERMIT NO.
15. ELEVATIONS (Show whether DF, RT, GR, etc.)
7491' GL, 7503' KB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐
☐
☐

REPAIRING WELL

☐
☐
☐
☐
☐

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other) Spud & Set Casing

X

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Spudded 13-3/4" hole on 9/25/77. Drilled to 275'. Set 9-5/8" 32# H-40 casing at 275' with 300 sx Class "B", 2% CaCl₂ cement. Circulated good cement. Pressure tested casing to 600 psi; held OK.

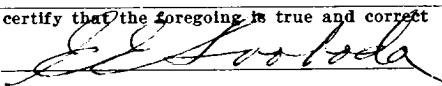
Drilled 8-3/4" hole to 4098'. Hit tight spot at 2000'. Worked through. Went back to bottom. Tripped in with core barrel. Tripped out with core barrel as would not release service barrel. Tripped in with core barrel. Went in hole with core barrel. Washed to bottom with core barrel. Circulated. Tripped out with core barrel. Laid down core barrel. Tripped in hole with bit. Reamed 7-7/8" hole to 8-3/4". Core No. 1 4058-4108'. Did not recover any core. Set 7" 20# K-55 casing at 4712'. Cemented casing with 940 sx Class "B", 50:50 Poz, 6% gel, 2 lbs. medium Tuf Plug per sx. Tailed in with 100 sx Class "B" Neat. Did not circulate. Circulation broken after 80 bbls. Pressured up to 800 psi; held OK.

Drilled 6-1/4" hole to a total depth of 6750'. The 4-1/2" 10.5# K-55 casing liner was set from 4484-6750'. Cemented casing with 200 sx Class "B", 50:50 Poz, 6% gel, 2 lbs. medium Tuf Plug per sx. Tailed in with 100 sx Class "B" Neat. Reversed out good cement.

K1g, released 10/11/77.

18. I hereby certify that the foregoing is true and correct

SIGNED



TITLE Area Admin. Supervisor

DATE 11/14/77

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

NOV 18 1977

*See Instructions on Reverse Side

U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.