

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

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	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR PAN AMERICAN PETROLEUM CORPORATION	8. FARM OR LEASE NAME O. H. Randal
3. ADDRESS OF OPERATOR P. O. Box 480, Farmington, New Mexico	9. WELL NO. 3
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 790' FNL and 990' FEL Section 9, T-26N, R-11W	10. FIELD AND POOL, OR WILDCAT Basin Dakota
14. PERMIT NO.	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NE/4 NE/4 Section 9 T-26N, R-11W, NMPM
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6427 (RDB)	12. COUNTY OR PARISH San Juan
	13. STATE New Mexico

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) **Well History**

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(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.)*

The above well was spudded on May 6, 1964 and drilled to a depth of 359'. 8-5/8" casing was set at that depth with 250 sacks cement containing 2% calcium chloride. Cement circulated to surface. After waiting on cement tested casing with 1000 psi. Test okay. Reduced hole to 7-7/8" and resumed drilling.

Cored 5486-5532 recovered 46' Gallup as follows: 5486-5517 interbedded thin sand and shale laminations with fractures and slight bleed oil and gas from 5500-5516. 5517-23 sand and 1-1/2' stained with bleed oil and gas. 5523-32 vertical fractures interbedded thin sand and shale laminations.

Cored 5562-79 recovered 14' Gallup as follows: 5562-5563-1/2 shale black few scattered sand partings, 5563-1/2 -5566-1/2 missing, 5566-1/2-5578-1/2 shale black few scattered sand partings, 5578-1/2-5579 sand and shale predominately shale, slight bleed oil.

Cored 5579-5640 recovered 61' Gallup as follows: 5579-81 laminated sand and shale predominately shale. Scattered slight bleed oil and gas from sand and shale interface. 5581-5583 same as above but 50% sand. 5583-5617 shale with occasional sand partings. 5617-21 sandy shale; 5621-5621-1/2 Bentonite. 5621-1/2 1" hard tight clean sand, no porosity. 5621-1/2-5623 very sandy shale. 5623 4" Bentonite. 5623-25 very sandy shale. 5625-36 shale. 5636-40 shale and scattered sand lamination. Predominately shale.

Cored 5640-5665 recovered 25'. 5640-45 shale. 5645-5648-1/2 shale and occasional sand laminations. 5648-1/2-5654 shale slightly sandy. 5654-65 shale with occasional sand laminations.

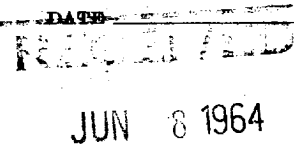
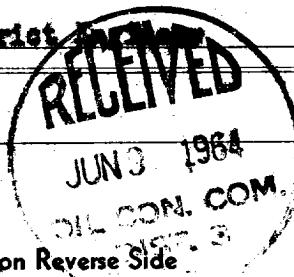
18. I hereby certify that the foregoing is true and correct

SIGNED **Fred L. Nabors**
ORIGINAL SIGNED BY
F. L. HOLLINGSWORTHTITLE **District Engineer**DATE **June 5, 1964**

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE



*See Instructions on Reverse Side

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

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.

Cored 5640-5665 recovered 25'. 5640-45 shale. 5645-5648-1/2 shale and occasional sand laminations. 5648-1/2-5654 shale slightly sandy. 5654-65 shale with occasional sand laminations.

Drill stem test #1, 5503-5547 Gallup, tool open two hours. Weak blow air in 15 minutes increased to fair blow throughout testing. No show. Recovered 620' gas out mud with very slight trace oil above tool. Hydrostatic in 2532. Initial 30 minutes bottom hole pressure shut in 1731 psi. Bottom hole pressure 213-293. Final 45 minute bottom hole pressure shut in 1265. Hydrostatic out 2505. Bottom hole temperature 145 F.

Drill stem test #2, 5586-5666 Gallup, tool open two hour very weak blow 1 hour 20 minutes. Died for 20 minutes and small blow final 20 minutes. No gas to surface. Recovered 30' slightly gas out mud. Initial and final bottom hole pressure flowing 27. 45 minute final bottom hole pressure in 53. Hydrostatic in 2613 and out 2586. Bottom hole temperature 144 F.

Well was drilled to a total depth of 6551 and 4-1/2" casing was set at that depth with stage tool set at 4623. First stage cemented with 400 sacks cement containing 6% gel and 2 pounds medium Tuf Plug per sack followed by 100 sacks neat cement. Second stage cemented with 1000 sacks cement containing 6% gel and 2 pounds medium Tuf Plug per sack. After waiting on cement tested casing with 3500 psi. Test OK. Perforated 6355-79 with 2 shots per foot. Fracked these perforations with 54,370 Gallons water containing 15 calcium chloride and 4 pounds FR-4 per 1000 Gallons and 40,000 pounds 20-40 sand and 10,000 pounds 10-20 sand. Breakdown pressure 900. Treating 3400. Average injection rate 43.3 BPM.

Cleaned well to 6495 and landed 2-3/8" tubing at 6358'. Well completed as Basin Field Well May 30, 1964. Preliminary test 2400 MCFD.