Form 9-331
(May 1963)

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.: I-149-IND-8165

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo Tribe

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Navajo "C"

9. WELL NO.: 1

10. FIELD AND POOL, OR WILDCAT: Undesignated Paradox

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: NW/4 NW/4 Section 1 T-29N, R-17W

12. COUNTY OR PARISH | 13. STATE:

## 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: PAN AMERICAN PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR: Box 480, Farmington, New Mexico

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 FWL

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 4976 (DF)

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

| NOTICE OF INTENTION TO: | | | | SUBSEQUENT REPORT OF: | | | |
|---|---|---|---|---|---|---|---|
| TEST WATER SHUT-OFF | ☐ | PULL OR ALTER CASING | ☐ | WATER SHUT-OFF | ☐ | REPAIRING WELL | ☐ |
| FRACTURE TREAT | ☐ | MULTIPLE COMPLETE | ☐ | FRACTURE TREATMENT | ☐ | ALTERING CASING | ☐ |
| SHOOT OR ACIDIZE | ☐ | ABANDON* | ☐ | SHOOTING OR ACIDIZING | ☐ | ABANDONMENT* | ☐ |
| REPAIR WELL | ☐ | CHANGE PLANS | ☐ | (Other) Supplementary Well History | X | | |
| (Other) | | | | (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.) *

Moved in workover rig 12-30-64. Bled well down and circulated casing with mud. Removed tubing head and rigged up blow out preventer and bled off lines. Ran 5" RTTS tool and set at 6507. Tested plug back at 6299 with 2500 psi. Test ok. Reset RTTS at 6291. Tested 7-5/8" casing and 5" liner with 1500 psi. Test ok. Reset RTTS at 6045. Spotted water in tubing and 10 barrels water above RTTS in liner. Injection rate 2 BPM at 1800 psi. Squeezed perforations 6366-90 with 100 sacks Type "C" Cement. Maximum squeeze pressure 3700 psi. Left 170' cement above perforations in 5" liner. After waiting on cement drilled out 6116-6390 and test with 1550 psi. Test ok. Pulled tubing and bit. Perforated Paradox 6646-62 with 4 shots per foot. Ran tubing and set at 6703 with RTTS tool at 6577. Spotted acid over perforations but was unable to break down at 6000 psi. Released RTTS tool and worked perforations with 1/2 barrel acid. Reset RTTS tool and broke down at 6000 psi. Pressure bled to 2200 psi. Acidized perforations with 1500 gallons 15% acid. Maximum treating pressure 3000 psi and minimum treating pressure 2800 with injection rate of 3 BPM. Swabbed 50 barrel load water with no show oil or gas. Swabbed dry. Cast iron bridge plug set at 6620. RTTS Tool set at 6602 and tested with 6000 psi. Test ok. Pulled tubing and packer. Perforated 6585-6606 with 4 shots per foot. Ran tubing and landed at 6602 and RTTS tool set at 6462. Acidized these perforations with 1500 gallons 15% acid. Breakdown pressure 3000 psi. Average treating pressure 2700 psi. Average injection rate 3 BPM. Opened well up and it flowed 50 barrels fluid in 3-1/2 hours and died. Swabbed 18 barrels fluid in 3 hours with fluid level at 5000'. Flowed 11 barrels fluid in 4-1/2 hours and died. Swabbed 34 barrels fluid in 9 hours. Swabbed and flowed 20 hours and recovered 63 barrels load and 54 barrels new fluid consisting of 32 barrels new oil and 22 barrels new water. Now swabbing 3

(OVER)

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

SIGNED ORIGINAL SIGNED BY F. H. HOLLINGSWORTH TITLE Fred L. Walters, District Engineer DATE 1-26-65

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED
JAN 29 1965
OIL CON. COM.
DIST. 3

RECEIVED
JAN 28 1965
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

*See Instructions on Reverse Side

## 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.

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barrels fluid per hour 60% oil and 40% water. Shut in and spotted 55 gallons Paroxol1 down tubing. Shut in 2 hours with tubing pressure closed 350 psi. Opened well and flowed 5-1/2 barrels fluid in 1 hour and died. Spotted water above RTTS tool and perforations 6366-90. Tested these perforations with 150 psi. Test ok. Pulled tubing and packer. Reran tubing and set at 6610. Acidized perforations 6585-6606 with 6000 gallons acid with maximum and average treating pressure 250 psi. Average injection rate 4.4 BPM. Opened well up and flowed 96 barrels fluid in 11 hours and died. Swabbed 1 hour and recovered 8 barrels fluid. Swabbed and flowed for 4 days recovered 533 barrels fluid which was 195 barrels load oil, 67 barrels load water and 271 barrels new water. 108 barrels load oil yet to recover. Killed well with mud. Pulled tubing and ran RTTS tool and set at 6427. Swabbed no shows. Pulled tubing and RTTS tool. Set bridge plug at 6970. Ran RTTS tool and set at 6414. Tested bridge plug with 4000 psi. Test ok. Pulled tubing and packer. Perforated 6465-80 and 6515-40 with 4 shots per foot. Ran tubing and packer at 6414. Acidized perforations with 1500 gallons 15% acid. Breakdown pressure 3200 psi. Treated with 2400 psi. Average injection rate 1.5 BPM. Flowed 63 barrels acid water and load water in 7 hours and 52 barrels new water and 11 barrels new oil in 12 hours. Now flowing 5 barrels fluid per hour with a trace of oil. Killed well and pulled tubing and RTTS tool. Retainer set at 6300 and squeezed perforations 6465 to 6540 with 100 sacks neat cement with maximum pressure 2500 psi. Dropped bar in retainer and tested with 3500 psi. Test ok. Perforated upper Pennsylvanian 6137-6161, 6169-79 and 6197-6209 with 4 shots per foot. Ran tubing and set at 6321. Acidized these perforations with 5000 gallons 15% acid. Maximum treating pressure 2300 psi and maximum treating pressure 1800 psi. Average injection rate 3.5 BPM. Swabbed to test and recovered 263 barrels load water and 53 barrels new water with fluid level at 3500. Swabbed another 24 hours and recovered 253 barrels water and no oil. Swabbed and flowed 24 hours recovered 259 barrels salt water. Killed well with mud. Prepared to plug and abandon well.

well plugged and abandoned 1-22-65 as dry hole.