

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

5. LEASE DESIGNATION AND SERIAL NO.

NM-03153

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

O. H. Randal

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

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

33/4 SW/4 Section 15

T-26-N, R-11-W

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

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

920 FSL and 1720 FSL

14. PERMIT NO.

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

6320 (DF)

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) ☐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 21, 1964 and drilled to a depth of 364'. 8-5/8" casing was landed at that depth and cemented with 325 sacks cement containing 2% calcium chloride. Cement circulated to surface. After waiting on cement tested casing with 600 psi. Test OK. Reduced hole size to 7-7/8" and resumed drilling.

Drill stem test No. 1 5263-5395 (Gallup). Tool open 10 minutes with good blow. 30 minute shut in bottom hole pressure 991. Tool open 1 hour no blow. 45 minute shut in bottom hole pressure 1560. Flowing bottom hole pressure 369-709. Hydrostatic pressure in 2560, out 2560. Bottom hole temperature 150°F.

Core No. 1 5395-5445 (Gallup). Recovered 50' as follows: 5395-5415 shale, black; 5415-21 sand mostly shaley, scattered bleed oil and gas; 5421-22 sand, clean, stained poor porosity; 5422-23 sand shaley, fair porosity, no show; 5423-24 sand, clean, stained, poor porosity; 5424-25 sand, clean, stained. Good porosity, 5426-39 sand, mostly shaley, some scattered bleed oil and gas, 5439-40 sand; 5440-45 sand mostly shaley, some scattered bleed oil and gas. Vertically fractured throughout all 50' of core.

Well drilled to a total depth of 6300. 4-1/2" casing set at that depth with stage collar set at 4386. Cemented first stage with 400 sacks cement containing 6% gel and 2 pounds Tuf Plug per sack with 100 sacks neat cement on bottom. Cemented second stage with 1000 sacks cement containing 6% gel and 8 pounds medium Tuf Plug per sack. After waiting on cement tested casing with 3500 psi. Test OK.

Perforated 6183-6208 with 2 shots per foot. Sand water fracked these perforations with 47,376 gallons water containing 1% calcium chloride and 7 pounds J-2 per 1000 gallons and 40,000 pounds sand. Breakdown pressure 2200, average treating 1150. Average injection rate (OVER

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

ORIGINAL SIGNED BY

SIGNED F. H. HOLLINGSWORTH

TITLE

DATE

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

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 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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43 BPM. Set bridge plug at 6165 and tested with 3500 psi. Test OK. Perforated 6160-46 with 6 shots per foot. Sand water tracked these perforations with 23,874 gallons water containing additives as above and 30,000 pounds sand. Breakdown pressure 1900. Average treating 3600. Average injection rate 30 BPM. Cleaned out sand and drilled out bridge plug. After testing the above perforations with no show of gas moved in completion unit. Set packer at 6129 and tested above with 3500 psi. Test OK. Set packer at 6160. Pumped in upper perforations at 2-1/2 BPM at 3200 psi. Pumped in lower perforations at 6 BPM at 2400 psi. No communication. Reset packer at 5946 and squeezed with 100 sacks cement containing 4% Hulsid Mine. Hardman and final squeeze 2000 psi. After waiting on cement tested casing with 1000 psi. Test OK. Perforated casing 6240-41 with 4 shots per foot. Set packer at 6224. Squeezed with 50 sacks cement containing 4% Hulsid Mine. Hardman and final squeeze pressure 3500 psi. After waiting on cement tested casing with 2500 psi. Test OK. Perforated 6183-93 with 6 shots per foot. Fracked these perforations with 60,000 gallons water containing 0.8% potassium chloride and 2 pounds zinc per 1000 gallons and 40,000 pounds sand. No breakdown, treating pressure 3500 psi. Average injection rate 36 BPM. 2-3/8" tubing landed at 6167 and well completed 7-7-64 as Basin Dakota field development well. Preliminary test 1500 WOPD.