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.

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.)

5. LEASE DESIGNATION AND SERIAL NO.: SF-079492-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1. OIL WELL ☐ GAS WELL ☒ OTHER

7. UNIT AGREEMENT NAME:

2. NAME OF OPERATOR: PAN AMERICAN PETROLEUM CORPORATION

8. FARM OR LEASE NAME: San Juan 27-5 Unit

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

9. WELL NO.: 57

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 1450 FNL and 2510 FWL

10. FIELD AND POOL, OR WILDCAT: Basin Dakota

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: SE/4 NW/4 Section 13, T-27-N, R-5-W

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 6850 (GR)

12. COUNTY OR PARISH: Rio Arriba

13. STATE: New Mexico

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) Well History			☒
(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.) *

The above well was spudded on 6-14-65 and drilled to a depth of 204'. 10-3/4" casing was landed at 203' and cemented with 250 sacks cement containing 2% calcium chloride. Cement circulated to surface. After waiting on cement tested casing with 800 psi. Test OK. Reduced hole size to 9-7/8" and resumed drilling.

Well was drilled to a depth of 3902'. 7-5/8" casing was set at 3900' with 1000 sacks cement containing 6% gel, 2 pounds Tuf Plug per sack followed by 50 sacks neat cement. After waiting on cement tested casing with 1400 psi. Test OK. Reduced hole size to 6-3/4" and resumed drilling.

Well was drilled to a total depth of 8152'. 4-1/2" casing was set at that depth with stage collar set at 6082. Cemented first stage with 150 sacks cement containing 6% gel, 2 pounds Tuf Plug per sack followed by 100 sacks neat cement. Cemented second stage with 50 sacks cement followed by 200 sacks cement containing 50-50 Pozmix, 4% gel, 1/2 cubic foot strata crete "6", 1 pound Tuf Plug per sack followed by 25 sacks neat cement. After waiting on cement tested casing with 3500 psi. Test OK.

Perforated Main and Lower Dakota 7997-8007, 8051-61 with 2 shots per foot and 8073-93 with 1 shot per foot. Spotted 300 gallons 7-1/2% acid in 4-1/2" annulus and 300 gallons acid in tubing. Set packer at 8065 and pumped 300 gallons acid in perforations 8073-93. No breakdown, pumped in at 2000 psi. Average injection rate 6-1/2 BPM. Pumped 300 gallons acid in perforations above packer. Pumped in at 1100 psi. Average injection rate 8 BPM. Pulled packer to 8030. Spotted 500 gallons 7-1/2% regular acid in 4-1/2" annulus. Set packer and pumped 500 gallons acid in perforations 7997-8007. No breakdown, pumped in at 1200 psi. Average injection rate 8-1/2 BPM. Pulled tubing and packer. (See Reverse Side)

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

SIGNED ORIGINAL SIGNED BY F. H. HOLLINGSWORTH TITLE Fred L. Nabors, District Engineer DATE 7-22-65

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

RECEIVED
JUL 28 1965
OIL CON. COM.
DIST. 3

RECEIVED
JUL 27 1965
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.

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Fracked all the above perforations with 28,560 gallons water containing 0.6% potassium chloride, 2-1/2 pounds J-100 per 1000 gallons and 25,000 pounds sand. No breakdown. Dropped 25 ball sealers and locked up. Soaked back for 45 minutes and flushed. Average injection rate 32 BPM, average treating pressure 3,00 psi. Set bridge plug at 7970 and tested with 3500 psi. Perforated Greenhorn 7813-99 with 2 shots per foot. Fracked these perforations with 35,112 gallons water treated as above and containing 39,720 pounds sand. No breakdown, pumped in at 3300 psi. Average treating pressure 3200 psi. Average injection rate 31 BPM. Drilled out bridge plug and flowed well to clean up.

2-3/8" tubing landed at 8031 and well completed 7-12-65 as shut-in Basin Dakota Field Development well. Potential Test 7-19-65. Flowed 4147 MCFPD through 3/4" choke after 3 hours flow. Absolute open flow potential 5092 MCFPD. Shut in casing pressure after 7 days 2312 psig.