

**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.

SF-078828-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Gallegos Canyon Unit-Dakota

8. FARM OR LEASE NAME

9. WELL NO.

174

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

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

**NE 1/4 SW 1/4 Section 28
T-28-N, R-12-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
P. O. 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

2516 FSL and 1850' FWL

14. PERMIT NO.

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

5661 (HDB)

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.)

Well History

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 July 9, 1964, and drilled to a depth of 352'. 8-5/8" casing was set at that depth with 225 sacks cement containing 2% calcium chloride. Cement circulated to surface. After waiting on cement, tested casing with 900 psi. Test ok. Reduced hole size to 7-7/8" and resumed drilling.

Core No. 1 5310-5323 Gallup. Recovered 13' as follows: 2' sand and shale stringers; 1-1/2' shale and sand laminations; 1/2' bentonite; 3' shale and sand laminations; 6' shale and sand laminations with shows oil and gas.

Core No. 2 5323-5340 Gallup. Recovered 17' as follows: 1-1/2' shale and sand stringers; 1' sand, clean medium grained with fines; 1' shale, very sandy; 2' sand very shaly; 1' sand and shale partings; 1-1/2' sand very shaly; 3' sand, shaly and vertically fractured; 1' shale, sandy; 5' black shale.

Core No. 3 5341-5345 Gallup. Recovered 4' as follows: 4' shale with vertical fractures.

Core No. 4 5345-5350 Gallup. Recovered 5' as follows: 5' shale with vertical fractures.

Well drilled to a total depth of 6080'. 4-1/2" casing set at that depth with stage collar at 4192'. Cemented first stage with 400 sacks cement containing 6% gel, 2 pounds Tuf Plug per sack and followed by 100 sacks neat cement. Second stage cemented with 1000 sacks cement containing 6% gel and 2 pounds Tuf Plug per sack. Cement circulated to surface. After waiting on cement, tested casing with 3500 psi. Test ok.

Perforated 5980-5990 with 2 shots per foot and 6025-19 with 4 shots per foot. Fracked these perforations with 57,036 gallons water containing 1% calcium chloride and 7 pounds L-2 per 1000 gallons and 50,000 pounds sand. Breakdown pressure 2000 psi; Average treating 3400 psi; Average injection rate 35 BPM. Bridge plug set at 5969' and tested with 3500 psi. Test ok.

18. I hereby certify that the foregoing is true and correct **Fred L. Nabers, District Engineer** (SEE REVERSE)

SIGNED ORIGINAL SIGNED BY

TITLE

DATE

August 14, 1964

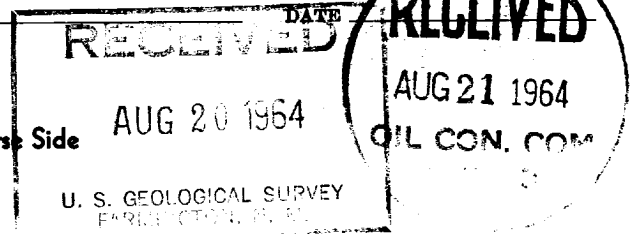
(This space for Federal or State official use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*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.

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167-811

Perforated 5908-16 with 6 shots per foot. Finished these perforations with 24,864 gallons
water treated as above and containing 20,000 pounds acid. Breakdown pressure 3000 psi,
average breaking 3450 psi, average injection rate 33 BPM. Drilled out bridge plug and
slugged up well.

2-3/8" tubing landed at 5950' and well completed August 10, 1964 as Basin Dakota Field
Development well. Preliminary test 1600 MBO.