Form 9-331a
(Feb. 1951)

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

Land Office Santa Fe
Lease No. SF-077383
Unit J. C. Davidson agt

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
NOV 3 1959
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

# SUNDRY NOTICES AND REPORTS ON WELLS

| | | | |
|---|---|---|---|
| NOTICE OF INTENTION TO DRILL | | SUBSEQUENT REPORT OF WATER SHUT-OFF | |
| NOTICE OF INTENTION TO CHANGE PLANS | | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING | |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF | | SUBSEQUENT REPORT OF ALTERING CASING | |
| NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL | | SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR | |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE | | SUBSEQUENT REPORT OF ABANDONMENT | X |
| NOTICE OF INTENTION TO PULL OR ALTER CASING | | SUPPLEMENTARY WELL HISTORY | |
| NOTICE OF INTENTION TO ABANDON WELL | | | |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

J. C. Davidson agt — Farmington, New Mexico October 30, 1959

Well No. 1 is located 1830 ft. from [N] line and 790 ft. from [E] line of sec. 21

NE/4 Section 21 (¼ Sec. and Sec. No.) — T-28-N (Twp.) — R-10-W (Range) — N.M.P.M. (Meridian)

Angels Peak Dakota (Field) — San Juan (County or Subdivision) — New Mexico (State or Territory)

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OIL CON. COM.
DIST. 3

The elevation of the derrick floor above sea level is 6036 ft. (RKB)

## DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Made circumferential cut at 6582' with abrasijet tool jetting 30 minutes at 4000 psi with 4 barrels per minute using 1 pound sand per gallon. Circulated hole to clean out sand and cutting debris. Broke formation by pumping down tubing at 3000 psi with 4 barrels per minute. Spotted 1000 gallons breakdown acid. Started sand-water frac but necessary to discontinue after 10,300 gallons gelled water and 10,300 pounds sand. Due to wellhead leak flushed treatment with water. Treating pressure 1950 psi, increasing to 2600 on flush. Tightened wellhead and connections. Sand-water fracked with 49,700 gallons gelled water containing 10 pounds Dowell J-79 and 50 pounds J-92 agents per 1000 gallons with 49,700 pounds sand. Treating pressure 2000 psi, increasing to 2700 psi on flush with bridge plug set at 6568'. Made abrasijet cut at 6541 by jetting at 3000 psi with 3-3/4 barrels per minute for 19 minutes when returns dropped to 1/2 barrels per minute. Stopped sand and circulated hole clean at 3100 psi with 8 barrels per minute. (see reverse side)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Pan American Petroleum Corporation

Address Box 487
Farmington, New Mexico
Attn: L. O. Speer, Jr.

ORIGINAL SIGNED BY
By R. M. Bauer, Jr.

Title Area Engineer

GPO 862040

thru upper perfs with only 3 to 4 barrel per minute returns. Circulated hole clean. Sand-water fracked upper set at 6541'. In Dakota with 56,000 gallons sand gelled water and 55,000 pounds sand. Maximum treating pressure 3000 psi, minimum treating pressure 2000 psi, average injection rate 31 barrels per minute. Retrieved bridge plug. Landed 2-3/8" tubing at 6513'. Completed as shut in Angels Peak Dakota Field development gas well October 28, 1959. Preliminary test October 28, 1959, 5617 MCFPD after 4 hours thru 2" choke.