Form 9-330

Budget Bureau No. 42-R-355.3.
Approval expires 12-31-55.

U. S. LAND OFFICE Ute Mountain Tribal
SERIAL NUMBER 14-20-604-89
LEASE OR PERMIT TO PROSPECT .....

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Pan American Petroleum Corporation Address Box 487, Farmington, New Mexico

Lessor or Tract Ute Mountain Tribal Field Verde-Gallup State New Mexico

Well No. 2 Sec. 33 T. 31N R. 15W Meridian N.M.P.M. County San Juan

Location 2125 ft. {N./S.} of S Line and 660 ft. {E./W.} of E Line of Section 33 Elevation 5575 (Ground Level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed ORIGINAL SIGNED BY D. J. SCOTT

Date September 10, 1957 Title Field Clerk

The summary on this page is for the condition of the well at above date.

Commenced drilling June 22, 1957 Finished drilling July 19, 1957

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 2565 to 2680 No. 4, from ..... to .....

No. 2, from ..... to ..... No. 5, from ..... to .....

No. 3, from ..... to ..... No. 6, from ..... to .....

IMPORTANT WATER SANDS

No. 1, from ..... to ..... No. 3, from ..... to .....

No. 2, from ..... to ..... No. 4, from ..... to .....

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
8-5/8"	22.7	8RT	Armco	248	Guide				Surface
5-1/2"	14	8RT	National	2566	Guide				Oil String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	255	170 sacks	Halliburton 2 Plug		
5-1/2	2565	170 sacks	Halliburton 2 Plug		

PLUGS AND ADAPTERS

Heaving plug—Material ..... Length ..... Depth set .....

Adapters—Material ..... Size .....

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 2603 feet, and from ..... feet to ..... feet

Cable tools were used from 2603 feet to 2680 feet, and from ..... feet to ..... feet

DATES

August 11, 1957 Put to producing Shut in, 19.....

The production for the first 24 hours was 96 barrels of fluid of which ..... % was oil; ..... % emulsion; ..... % water; and ..... % sediment. Gravity, °Bé. 99.2

If gas well, cu. ft. per 24 hours 2.7 Gallons gasoline per 1,000 cu. ft. of gas 40.5

Rock pressure, lbs. per sq. in. .....

EMPLOYEES

....., Driller ....., Driller

E. L. Martin, Driller Paul A. Glover, Driller

Don Murray, Driller C. C. Shelton, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	255	255	Surface sands & shale.
255	952	697	Menefee Sands, Shales & coals.
952	1292	340	Point Lookout Sand
1292	2305	1013	Mancos Shale.
2305	2680	375	Gallup Sands

[OVER]

16—43094-3

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

16—43094-2 U. S. GOVERNMENT PRINTING OFFICE

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

This well was spudded on June 22, 1957, and on June 25, 1957, 8-5/8" casing was set at 255' with 170 sacks of cement. After waiting on cement for 24 hours, casing and water shut off were tested with 400 pounds pressure with no drop in pressure.

5-1/2" casing was set at 2565' with 100 sacks of cement. After waiting on cement for 10 days, casing was tested with bailing test, which held ok. On July 18, 1957, this well was sand-oil fracked with 40,000 gallons oil, and 40,000 pounds sand, using 275 gallons Tret-O-Lite F-72 in frac fluid. Average injection rate 61 BPM.