

U. S. LAND OFFICE Ute Mountain Tribal
SERIAL NUMBER 14-20-604-125
LEASE OR PERMIT TO PROSPECT _____

[illegible]

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

GEOLOGICAL SURVEY OCT 30 1959

U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

Company Pan American Petroleum Corporation Address Box 487, Farmington, New Mexico
Lessor or Tract Sta Mountain Tribal "E" Field Verde Gallup State New Mexico
Well No. 4 Sec. 26 T. 31N R. 15W Meridian N.M.P.M. County San Juan
Location 900 ft. [N.] of S. Line and 1650 [E.] of W Line of Section 26 Elevation 5472
[S.] [W.] (Derrick floor relative to sea 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. ORIGINAL SIGNED BY
Signed R. M. Bauer, Jr.
Date October 29, 1959 Title Area Engineer

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

Commenced drilling January 1, 1959. Finished drilling January 24, 1959.

OIL OR GAS SANDS OR ZONES

(Denote σ by G)

No. 1, from None to None No. 4, from None to None
 No. 2, from None to None No. 5, from None to None
 No. 3, from None to None No. 6, from None to None

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		Purpose
							From—	To—	
5-5/8"	22.7	Slip Joint	Arnes	205	Guide				Surfing
5-1/2"	14	ERT	J-55	LO10	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"	218	160 sacks cement	Halliburton	1 plug	
5-1/2"	4000	425 sacks cement	Baker 2 stage		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

[illegible]

TOOLS USED

Rotary tools were used from 0 feet to 4005 feet, and from _____ feet to _____ feet.

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

DATES

Well Temporarily abandoned _____, 19____	Put to producing _____	Did not obtain oil or gas _____, 19____
October 21 _____ 59		in commercial quantities.
The production for the first 24 hours was _____	barrels of fluid of which _____	% was oil; _____ %
by installing valve on wellhead.	_____	
emulsion; _____ % water; and _____ % sediment.	_____	Gravity, °Bé. _____

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

-----, Driller	-----, Driller
Bart Jenkins	R. J. Causey
-----, Driller	-----, Driller
Sam Bush	R. E. McVay

FORMATION RECORD

FORMATION RECORD

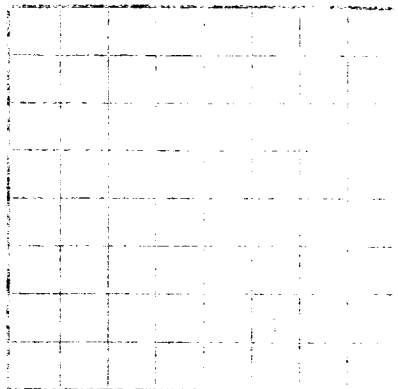
FROM—	TO—	TOTAL FEET	FORMATION
0	218	218	Surface sands & shales.
218	1050	832	Lewis shale.
1050	2560	1510	Mesaverde sands, shales & coals.
2560	3617	1057	Mancos shale.
3617	3866	249	Gallup sands & shales.
3866	4005	139	Verde Gallup sands & shales. (Top from E log)

U.S. Geological Survey
Department of the Interior
Washington, D.C.
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LOG OF OIL OR GAS WELL



As a result of not containing oil or gas in commercial quantities, the Mountain Tribal No. 1 well was abandoned on October 27, 1959 by pulling tubing and installing rays on well head.

Minimum treating pressure 1800 pounds. Average injection rate 40 barrels per minute. Formation broke at 1325 pounds, maximum treating pressure 2000 pounds. Sand-oil tracked with 11,000 gallons oil and 60,000 pounds sand. Spotted 200 gallons and clean out agent. Perforated casing.

5-1/2" casing was set at 4000' with 2-stage tool at 3520'. First stage was cemented with 75 sacks 6% gel cement with 2 pounds TSP per sack. Casing was tested with 1000 pounds pressure for 15 minutes, which held with no drop in pressure. Second stage was cemented with 350 sacks 6% gel cement with 2 pounds TSP per sack. Top cement by temperature survey 1590'. Drilled out 2-stage tool and displaced mud with oil. Released 17.0 barrels (displacement) and tested casing with 3000 pounds pressure with no drop in pressure.

Ute Mountain Tribal No. 4 was spudded on January 1, 1959 and 9-5/8" casing was set at 218' with 160 sacks cement. After waiting on cement, casing and joint shut-off were tested with 750 pounds pressure for thirty minutes, which held with no drop in pressure. Reduced hole to 7-7/8" at 218' and resumed drilling operations.

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 "undermined" 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 balling.

HISTORY OF OIL OR GAS WELL

FROM-	TO-	TOTAL FEET	FORMATION
3000	2000	1000	Shale (from 3000)
2000	1000	1000	Shale (from 2000)
1000	0	1000	Shale (from 1000)
0	0	0	Shale (from 0)
FORMATION RECORD			
EMPLOYEES			
DATES			
TOOLS USED			
SHOOTING RECORD			
PLUGS AND BRIDGES			
MIDDING AND CEMENTING RECORD			