

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

RECEIVED
SUPERIOR
MAY 29 1958
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Pan American Petroleum Corporation Address Box 187, Farmington, New Mexico
Lessor or Tract Ute Mountain Tribal "A" Field Verde-Gallup State New Mexico
Well No. 3 Sec. 33 T. 31N R. 15W Meridian N.M.P.M. County San Juan
Location 700 ft. N. of S. Line and 700 ft. E. of W. Line of Section 33 Elevation 5518
(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.

Signed _____

Date May 28, 1958 Title Field Clerk

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

Commenced drilling March 2, 1958 Finished drilling April 5, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from ~~3020~~ to ~~3088~~ No. 4, from _____ to _____
No. 2, from ~~3200~~ to ~~3230~~ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	254	200 sacks	Halliburton	1 Plug	
5-1/2"	3425	368	Halliburton	1 Plug	

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material Size

SHOOTING RECORD

[illegible]

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.
Cable tools were used from 0 feet to 3426 feet, and from _____ feet to _____ feet.

DATES

Completed as pumping oil well, Verde
Callao Field May 25, 1958

Put to producing _____, 19____

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____%
emulsion; _____% water; and _____% sediment. 74

Gravity, °Bé. 99.7

emulsion; -----% water; and -----% sediment. 74 Gravity, °Bé. 99.7
 If gas well, cu. ft. per 24 hours 3/10 Gallons gasoline per 1,000 cu. ft. of gas 40.2
 Rock pressure, lbs. per sq. in. -----

EMPLOYEES

....., Driller	, Driller
George L. Hollowell	A. Y. Old
....., Driller	, Driller
L. I. Hutchison	C. W. Flemmons

FORMATION RECORD C. E. Flemmons

FROM—	TO—	TOTAL FEET	FORMATION
0	537	537	Surface sands & shale.
537	1382	845	Menefee sands, shales & coals.
1382	1750	368	Point Lookout sand.
1750	2754	1004	Mancos shale.
2754	3420	666	Callup sands.

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.

The Mountain Tribal "A" well No. 3 was spudded on March 2, 1958, and on March 3, 1958, 8-5/8" casing was set at 254' with 200 sacks cement. After waiting on cement for twenty-four hours, casing and water shut-off were tested with 400 pounds pressure for 15 minutes, which held with no drop in pressure. Drilling operations were resumed.

5-1/2" casing was set at 3425' with 215 sacks of cement with 100 pounds displacement per sack, followed by 153 sacks neat cement. Plugged after displacement with 20 barrels oil leaving 2620' cement in casing. Pressured up to 3000 pounds with no extrusion or movement of cement. Restested top cement outside 5-1/2" casing at 2350'. Drilled out cement to 3426'. Set 70' cement plug 3355'-3425'. After waiting on cement for five days, a two hour baller test was run to check water shut off. Casing was dry.

This well was perforated with four shots per foot 3200'-3230'. Sand-oil fracked with 27,915 gallons crude oil and 25,000 pounds sand. Average injection rate 54 BPM. Spotted 500 gallons 15% NVA on bottom. Perforated four shots per foot 3020'-3088'. Retrievable bridge plug set at 3150'. Sand-oil fracked with 39,000 gallons oil and 40,000 pounds sand. Formation broke at 1750 pounds. Average injection rate 56 BPM. 24 tubing landed at 3239'.

Completed as pumping oil well May 25, 1958, Verde-Gallup field development well. Potential test 74 barrels of oil per day.

HISTORY OF OIL OR GAS WELL

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