

U. S. LAND OFFICE **Navajo Tribal**
SERIAL NUMBER **14-20-609-2198**

LEASE OR PERMIT TO PROSPECT

Navajo Tribal

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **Pan American Petroleum Corporation** Address **Box 480, Farmington, New Mexico**
Lessor or Tract **Navajo Tribal** Field **Totah Gallup** State **New Mexico**
Well No. **6** Sec. **24** T. **29N** R. **14W** Meridian **N.M.P.M.** County **San Juan**
Location **1830 ft. S. of N. Line and 1830 ft. W. of E. Line of Section 24** Elevation **5369**
(Denote elev. 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 **R. M. Bauer, Jr.**
Signed _____ Title **Senior Petroleum Engineer**
Date **June 27, 1961**

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

Commenced drilling **June 6**, 19 **61** Finished drilling **June 18**, 19 **61**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **5069** to **5075** 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		Purpose
							From—	To—	
8-5/8"	20#	8UT	CP&I	200	Guide				Surface
4-1/2"	9.5#	8LT	CP&I	5169	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"	212	225	Halliburton	2 plug.	
4-1/2"	5156	200	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 _____ feet to **5163** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Completed as Totah Gallup Development Well. **June 23**, 19 **61** Date first new oil Put to producing **June 23**, 19 **61**
The production for the first 24 hours was _____ barrels of fluid of which **99.7**% was oil; _____%
emulsion; _____% water; and _____% sediment. Gravity, °Bé. **41.3**
If gas well, cu. ft. per 24 hours **.3** Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1000	1000	Surface sands, shales, and coals including Kirtland, Farmington, and Fruitland zones.
1000	1195	195	Pictured Cliffs sands and shales.
1195	1955	760	Lewis shale.
1955	3773	1818	Mancos shale.
3773	4705	932	Gallup sands and shales.
4705	5066	361	Gallup pay sands.
5066	5163	97	

(Top from "E" log)

UNITED STATES

LOCALITY CORRECTLY

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 "struck back" or set 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.

Casing	Well	Depth	Remarks
No. 6 - Spudded 7-7/8" hole June 6, 1961, and drilled to 120' and cemented at 212'. Set 8-5/8" casing at 212' with 200 sacks of cement containing 2 percent Calcium Chloride. Circulated 25 sacks cement. After waiting on cement tested 8-5/8" casing with 500 psi for 30 minutes, which hole had no indication of pressure drop. Reduced hole to 7-7/8" at 212' and resumed drilling operations.			
Recovered 50+ as follows: 1 lb shale, 2' thin shale sand, 6' odor, 2' shaly sand, 27' shale and slightly silty.			
Total depth 5163'. Set 7-1/2" casing at 5156' with 125 sacks cement containing 6 percent gel with 1-1/2 pounds medium oil. The gas seal and 75 sacks neat cement. Displaced with 83 barrels of oil. Tested 7-1/2" casing with 3000 pounds pressure for 3 minutes, which hole had no indication of pressure drop. Waiting on completion until.			
Plugged back with 5121'. Ran correlation log. Perforated 5-6-5075' with 6 shots per foot. Shearhead 1000 gallons oil containing 5 gallons kerosene and 5 gallons C-15. Sand oil treated with 22,000 gallons oil containing 50 pounds acetone per barrel. Gelled 22,000 gallons oil with 20,000 pounds sand. Pressures were broken down to 1600 psi and circulation established. Running 800 feet of 1/2" pipe from surface to shut in pressure 800 psi with 5 minute static in pressure 800 psi. Average production rate 25 barrels per minute. Landed 2-7/8" tubing at 5093'. Potential test June 23, 1961 showing 383 barrels of oil in 24 hours on 20/40 choke. Completed as flowing torch.			

HISTORY OF OIL OR GAS WELL

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