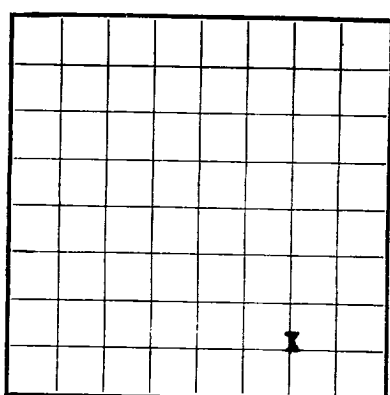


Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. LAND OFFICE **Navajo Tribal**
SERIAL NUMBER **14-20-603-2085**
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Pan American Petroleum Corporation Address Box 487, Farmington, New Mexico
Lessor or Tract Old Trading Post Field Undesignated Gallup State New Mexico
Well No. 1 Sec 10 T. 24N R. 11W Meridian N.M.P.M. County San Juan

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 _____
L. Q. Speer, Jr.

Date: July 18, 1958 Title: Field Superintendent

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

Commenced drilling May 11, 1951 Finished drilling June 7, 1951

OIL OR GAS SANDS OR ZONES

(Denote gas by Θ)

No. 1, from 5014 to 5032 No. 4, from _____ to _____
No. 2, from 5076 to 5091 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

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	499	300 sacks Halliburton No. 2 Plug			
7"	6062	400 sacks Halliburton No. 2 Plug			

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 6062 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Completed as Pumping Oil Well Gallup Field Put to producing -----, 19-----

The product of the first 24 hours was ----- barrels of fluid of which ----- % was oil; ----- % emulsion; ----- % water; and ----- % sediment. Gravity °Ré -----

If gas well, cu. ft. per 24 hours	Gallons gasoline per 1 000 cu. ft. of gas
39.0	39.0

Rock pressure, lbs. per sq. in.

EMPLOYEES

	Driller		Driller
Cotton Gipeen		J. D. Coleman	
	Driller		Driller
E. E. Estes		T. G. Priddy	

FORMATION RECORD

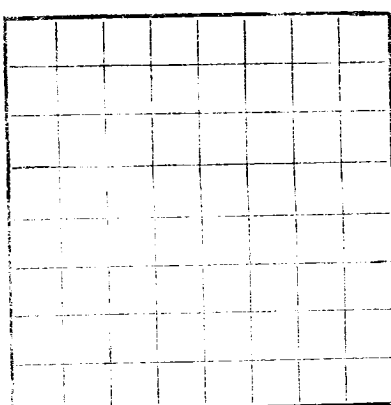
FROM-	TO-	TOTAL FEET	FORMATION
0	1272	1272	Surface sands & shales.
1272	1445	173	Pictured Cliffs sand & shales.
1445	2080	635	Lewis shale.
2080	2650	570	Cliffhouse sand.
2650	3960	1310	Un-differentiated sands & shales.
3960	4668	708	Mancos
4668	5014	346	Gallup sand & shales.
5014	6012	998	Gallup pay sand.

[OVER]

16--43094-4

AT THE END OF COMPLETE
LOG, ADD GEOLOGIC TOP
WHETHER FROM EL OR

354 SECURITY COMPANY



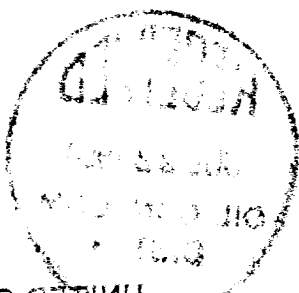
LOCATE WELL CODES

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

UNITED STATES

PLEASE OR PERMIT TO PROCEED
SERIAL NUMBER
U.S. LAND OFFICE
NOV 19 1944
APPROVED FOR RELEASE
BY THE NATIONAL ARCHIVES

[illegible]

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of drilling, 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 changed, 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 changes or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

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

[illegible]

TION RECORD—Continued

ALL THE SING OF COMPLET
LOG. ADD. BIOLOGICAL
MAY 15, 1964