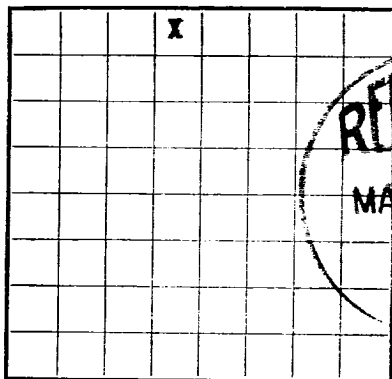




LOCATE WELL CORRECTLY

U. S. LAND OFFICE **Navajo Tribal**
SERIAL NUMBER **14-20-603-2198**
LEASE OR PERMIT TO PROSPECT **Navajo Tribal**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **Pan American Petroleum Corporation** Address **Box 480, Farmington, New Mexico**Lessor or Tract **Navajo Tribal** Field **Totah Gallup** State **New Mexico**Well No. **4** Sec. **24** T. **29N** R. **14W** Meridian **N.M.P.M.** County **Santa Fe**Location: **510** ft. **S.** of **1** Line and **2130** ft. **E.** of **1** Line of **Section 24** Elevation **5256** (RDB)
(Denote 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 _____ Title **Senior Petroleum Engineer**
Date **May 23, 1961**

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

Commenced drilling **May 5, 1961** Finished drilling **May 15, 1961**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **5016** to **5058** 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	8RT	1-32	1163	Guide				Oil string
4-1/2"	9.5	8RT	1-32	5175	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"	209'	175 sacks of cement	Halliburton	1 Plug.	
4-1/2"	5136'	200 sacks of cement	Halliburton	1 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 **5160** feet, and from _____ feet to _____ feet

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

DATES

Completed a s flowing oil well **Totah Gallup Field May 22, 1961.**Date first new oil produced. _____
Put to producing **May 21, 1961**The production for the first 24 hours was **557** barrels of fluid of which **99.5%** was oil; _____% emulsion; _____% water; and _____% sediment.If gas well, _____ on **2 1/2"** choke Gravity, °Bé. **42.2°** API
Potential test, **May 21, 1961**, flowed **325** barrels of gas in **14** hours at above flow rate.

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller
Pete Estes, Driller
M. W. McDonald, Driller
Jackie White, Driller
E. R. Panyon, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	900	900	Surface sands, shales, etc., including Kirtland, Farmington, and Fruitland zones.
900	1168	188	Pictured cliffs sands and shales.
1168	1935	767	Levis shale.
1935	3750	1815	Mesaverde sands, shales, and coals.
3750	4681	931	Mancos shale.
4681	5046	365	Gallup sands & shales.
5046	5160	114	Gallup pay sands.

(Note from Electric log)

(OVER)

16-45094-4

