



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYU. S. LAND OFFICE **Havajo Tribal**
SERIAL NUMBER **14-20-603-2200**LEASE OR PERMIT TO PROSPECT
Havajo Tribal "G"

LOG OF OIL OR GAS WELL

U. S. GEOLOGICAL SURVEY
ALBUQUERQUE, NEW MEXICOCompany **Pan American Petroleum Corporation** Address **Box 480, Farmington, New Mexico**Lessor or Tract **Havajo Tribal "G"** Field **Undesignated Gallup** State **New Mexico**Well No. **1** Sec **20** T. **19N** R. **10W** S. **10E** Meridian **N.M.P.M.** County **San Juan**Location **720** ft. **N** of **1** Line and **350** ft. **E** of **2** Line of **Section 20** Elevation **5210** (RDB)
(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 **R. M. Bauer, Jr.** ORIGINAL SIGNED BYDate **September 23, 1960** Title **Area Engineer**

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

Commenced drilling **September 5, 1960** Finished drilling **September 14, 1960**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **4677** to **4692** No. 4, from **4692** to **4692**
No. 2, from **4692** to **4692** No. 5, from **4692** to **4692**
No. 3, from **4692** to **4692** No. 6, from **4692** to **4692**

IMPORTANT WATER SANDS

No. 1, from **4677** to **4692** No. 3, from **4692** to **4692**
No. 2, from **4692** to **4692** No. 4, from **4692** to **4692**

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"	22.7	5112	Armo	205	Cable	Surface			Surface
5-1/2"	14	5112	J-55	4632	Cable	Oil String			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"	217 (KDB)	200 sacks cement	Halliburton 1 plug		
5-1/2"	4632	175 sacks cement	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 **0** feet to **4632** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Completed as flowing oil well **September 23, 1960, Undesignated**
Put to producing **September 22, 1960**
Gallup shale section for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____%
Potential Test **September 23, 1960, flowed 1 1/2 barrels oil per day 99.7**
emulsion; _____% water; and _____% sediment. Gravity, °Bé. **39.6**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
Cotton Gipsen, Driller
M. O. Thersold, Driller
James Smith, Driller
Bert W. Farris, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	575	575	Surface sands & shales.
575	700	125	Pictured Cliffs sands & shales.
700	1533	833	Lewis shale.
1533	3313	1780	Mesa Verde sands, shales & coals.
3313	4315	1002	Mancos shale.
4315	4677	362	Gallup sands & shales.
4677	4692	15	Gallup pay sand.
4692	4832	140	Lower Gallup sands & shales.
			(Tops from E log)

