

Navajo Tribal
U. S. LAND OFFICE
SERIAL NUMBER **11-10-603-2199**
LEASE OR PERMIT TO PROSPECTUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 "E"** Field **Cha Cha Gallup** State **New Mexico**
Well No. **147** Loc. **147** Sec. **16** T. **29N** R. **44E** Meridian **N.M.P.M.** County **San Juan**
Location **250** ft. **N.** of **S** Line and **800** ft. **E.** of **W** Line of **Section 16** Elevation **5147**
(Derrick floor relative to sea level)
The information given herewith is a complete and correct record of the well and all work done thereon
as far as can be determined from all available records.
Date **March 21, 1961** Title **Senior Petroleum Engineer**

The summary of this log is for the conditions of the well at above date.
Commenced drilling **March 16, 1961** Finished drilling **March 16, 1961**
No. 1, from **4690** to **4704** No. 4, from to
No. 2, from to No. 5, from to
No. 3, from to No. 6, from to
IMPORTANT WATER SANDS

Casing Record									
Casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	From—	To—	Purpose
8-5/8" 9.9	9.9	8.75	API	4782	Open	Surface			Oil string
4-1/2" 9.9	9.9	8.75	API	4782	Open	Surface			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"	213	140	Halliburton	1 Plug.	
4-1/2"	4767	200	BJ	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 **4773** 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 **Cha Cha Gallup Field** **March 16, 1961** Date first new oil produced
Put to producing **March 16, 1961**The production for the first 24 hours was **188** barrels of fluid of which **99.8** % was oil; %
emulsion; % water; and **0.2** % sediment. Gravity, °Bé. **42.7**

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

Rock pressure, lbs. per sq. in.

EMPLOYEES

B. W. Ferris Driller **George Beal** Driller
James Smith Driller **Pete Estes** Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	551	551	Surface sands and shales including Fruitland and Farmington Zone
551	920	369	Pictured Cliffs sands and shales
920	2200	1280	Lewis shale
2200	3405	1205	Mesaverde sands, shales, and coals
3405	4324	919	Mancos shale
4324	4690	366	Gallup sands and shales
4690	4777	87	Gallup pay sands and shales

(Top from E log)

