

A 10x10 grid with a small 'x' mark in the 4th column and 6th row.

APR 21 1961

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

LOCATE WELL CORRECTLY

Company Pan American Petroleum Corporation Address Box 480, Farmington, New Mexico

Lessor or Tract Navajo Tribal Field Cha Cha Gallup State New Mexico

Well No. 9 Sec. 22 T. 29N R. 14W Meridian N.M.P.M. County San Juan

Location 1630 ft. S of N Line and 1630 W of 2 Line of Section 22 Elevation 5288
(Circle 5288 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.

Date April 18, 1961

Title Senior Petroleum Engineer

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

The summary on this page is for the condition of the well as of _____

Commenced drilling February 5, 1961. Finished drilling February 20, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4885 to 4891 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

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#	8TT	OP&I	199	Outside				Surface
4-1/2"	9.5#	8TT	OP&I	1984	Outside				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	185	Halliburton	1 plug	
4-1/2"	4970	200	Halliburton	2 plug	

PLUGS AND ADAPTERS

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Heaving plug—Material Length Depth set

Adapters—Material Size

HOISTING RECORD

SHOOTING RECORD

SHOOTING RECORD						
Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

TOOLS USED

Rotary tools were used from 0 feet to 4974 feet, and from _____ feet to _____ feet

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

Cable tools were used from _____ feet to _____.

Completed as Cha Cha Gallup Development DATES Date first new oil produced.
Well _____ April 11, 19 61 Put to producing _____ March 9, 19 61
_____ of which 80 % was oil: _____ %

The production for the first 24 hours was 15 barrels of fluid of which 80 % was oil; ----- % emulsion; 20 % water; and ----- % sediment. Gravity, °Bé. -----

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

Rock pressure, lbs. per sq. in. -----

EMPLOYEES

EMPLOYEES

<u>B. W. Farris</u>	Driller	<u>Jackie White</u>	Driller
<u>James Smith</u>	Driller	<u>Cotton Gibson</u>	Driller

FORMATION RECORD

FORMATION RECORD			
FROM—	TO—	TOTAL FEET	FORMATION
0	777	777	Surface sands and shales including Farmington and Fruitland Zones.
777	978	201	Pictured cliffs sands and shales.
978	1742	764	Lewis sands and shales and coals.
1742	1779	37	Cliffhouse sands.
1779	3596	1817	Manefee sands, shales, and coals including Point lookout zone.
3596	4519	923	Mancos shales.
4519	4885	366	Gallup sands and shales.
4885	4974	89	Gallup pay sands.
(Tops from E log)			

(Tops from E log)

