

A 10x10 grid with an 'X' in the 4th column and 3rd row from the bottom.

LOCATE WELL CORRECTLY

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 O. J. Hoover "C" Field Horseshoe-Gallup State New Mexico
Well No. 1 Sec. 11 T. 30N R. 16W Meridian N.M.P.M. County San Juan
Location 780 ft. {N.} of 3 Line and 2060 ft. {E.} of W Line of Section 11 Elevation 5405
{S.} {W.} (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.

ORIGINAL SIGNED BY

Signed R. M. Bauer, Jr.
Date November 17, 1958 Title Field Engineer

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

Commenced drilling October 23, 1958 Finished drilling November 4, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2096 to 2096 No. 4, from _____ to _____
 No. 2, from 2116 to 2175 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"	22.7	Slip joint type	20%	Guide					Surface
4-1/2"	9.9	ERT	National	2250	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"	215'	150 sacks cement	Halliburton	No. 1 Plug	
4-1/2"	2237	175 sacks cement	Halliburton	No. 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 2241 feet, and from _____ feet to _____ feet.
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

Completed as pumping oil well		DATES		Date first new oil to tanks:	
Horsehoe-Callup Field -----, 19--		Put to producing -----		November 14, 19--	
November 14, 1958		The production for the first 24 hours was -----		228 barrels of fluid of which -----	
emulsion; ----- % water; and ----- % sediment.		99.8 % was oil; ----- %		Gravity, °Bé. -----	

Potential test November 12, 1958, pumped 57 barrels oil and 1,000 gal. water in 8 hours with 19-48" strokes per minute. Gas-oil ratio too small to measure.

EMPLOYEES

V. C. Sartor	Driller	C. W. Flemmons	Driller
A. Y. Old	Driller	G. L. Hollowell	Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	716	716	Point Lookout sands & shales.
716	1809	1093	Mancoes shale.
1809	2040	231	Gallup sands & shales.
2040	2140	100	Gallup pay sandstone.
2140	2241	101	Horseshoe Gallup pay sandstone.
			Tops from E log.

[OVER]

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DEVELOPMENT - FRODO - CONTINUING

