

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Pan American Petroleum Corporation Address Box 487, Farmington, New Mexico

Lessor or Tract J. A. Aidlin "BN" Field Horseshoe-Gallup State New Mexico

Well No. 1 Sec. 14 T. 30N R. 16W Meridian N.M.P.M. County San Juan

Location 875 ft. S of N Line and 585 ft. E of W Line of Section 14 Elevation 5396
(Describe location relative to section 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.

Date April 25, 1959 Title Field Engineer

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

Commenced drilling March 11, 1959. Finished drilling March 20, 1959.

OIL OR GAS SANDS OR ZONES

(Denote σ as by σ)

No. 1, from 2124 to 2164 No. 4, from 2248 to 2254

No. 2, from 2106 to 2206 No. 5, from _____ to _____

No. 3, from 2232 to 2242 No. 6, from 2242 to 2252

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—	
5-1/2" 14	8 RT	National 2315	Guide	203	Guide	203			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	160 sacks cement	Halliburton No. 2 Plug		
5-1/2"	2308	130 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 ----- feet to ----- feet, and from ----- feet to ----- feet.

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

DATES

Completed as pumping oil well Horseshoe- Put to producing _____, 19____

Gallup Field April 13, 1939 59
 The production during 24 hours was 16-18" strokes per minute with 1-1/4"

emulsion: % water: and % sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours² _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

Gas ~~oil~~ ratio not yet available.

_____, Driller _____, Driller

J. R. Green, Driller

A. Y. Old

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	213	213	Surface sand & shales.
213	775	562	Point Lookout sands & shales.
775	2084	1309	Mancos shale.
2084	2118	34	Verde-Gallup sands & shales.
2118	2196	78	Verde-Gallup pay sands & shales.
2196	2310	114	Horseshoe-Gallup pay sands & shales.
			(Tops from E log)

J. W. Aldrin "B" Well No. 1 was spudded on March 13, 1959, and 8-5/8 casing was set at 213' with 160 sacks of cement with calcium chloride. After waiting on cement, casing and water shut off were tested with 400 pounds pressure for thirty minutes, which held with no drop in pressure. Resumed drilling operations.

Ran electric and sonic logs and directional survey. 5-1/2" casing was set at 2306' with 80 sacks of Red cement with 1-1/2 pounds of Ing per sack followed by 50 sacks of neat cement. Released rotary rig. Moved in completion unit and tested casing and water shut-off with 2800 pounds pressure for fifteen minutes, which held with no drop in pressure.

Perforated lower Gallup with four shots per foot 2196-2206, 2232-2242 and 2248-2254. Set packer at 2154' and acidized lower Gallup perforations with 500 gallons and clean out agent, and treated with 13 barrels oil. Filled packer and sand-oil fracked with 18,200 gallons oil and 20,000 pounds sand. Breakdown pressure 1600-1300 pounds. Average treating pressure 1750 pounds and average injection rate 57 barrels per minute. Perforated upper Gallup with 2 shots per foot 2127-2167 with bridge plug set at 2185'. And oil fracked with 40,800 gallons oil and 40,000 pounds sand. Breakdown pressure 1900-1600 pounds, treating pressure maximum 2150 pounds and minimum 200 pounds. Average injection rate 48 barrels per minute. 2" tubing landed April 13, 1959. Potential test April 17, 1959 pumped 72 barrels oil in 24 hours with 16-48" strokes per minute with 1-1/4" pump.

ESTATE OF J. M. ...
ADMINISTRATOR OF THE ESTATE OF ...
VERSUS ...