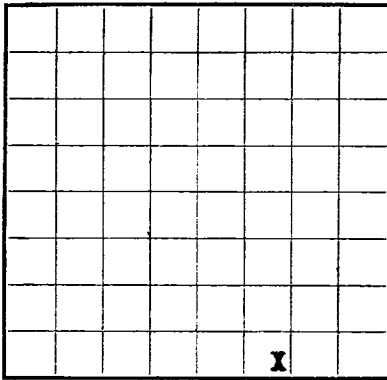


U. S. LAND OFFICE New MexicoSERIAL NUMBER NH 06686

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYU. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

Company Pan American Petroleum Corporation Address Box 487, Farmington, New MexicoLessor or Tract J. V. Fritts Field Horseshoe Gallup State New MexicoWell No. 2 Sec. 10 T. 30N R. 16W Meridian N.M.P.M. County San JuanLocation 360 ft. N. of 5 Line and 1730 ft. E. of 2 Line of Section 10 Elevation 5345
(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. Title Area EngineerDate July 28, 1959

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

Commenced drilling June 30, 1959 Finished drilling July 6, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1599 to 1589 No. 4, from 1679 to 1689No. 2, from 1643 to 1653 No. 5, from 1689 to 1699No. 3, from 1661 to 1669 No. 6, from 1699 to 1709

IMPORTANT WATER SANDS

No. 1, from 1599 to 1589 No. 3, from 1661 to 1669No. 2, from 1643 to 1653 No. 4, from 1679 to 1689

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	BRT	CP&I	1748	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"	216	160 sacks cement	Halliburton 1 plug		
5-1/2"	1746	130 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 1750 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 Gallup Field, 1959 Date first new oil produced July 26, 1959The sketch for the first 24 hours was _____ Put to producing _____ % was oil; _____ %Potential test pumped 63 barrels of fluid of which 99.7 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 40.1 API

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

Pumping oil well 22-19 strokes per minute with 1 1/4 pump.

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller

Coy Flemmons, Driller A. Y. Old, DrillerW. F. McKee, Driller Morris Bower, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	216	216	Surface sands & shales.
216	1490	1274	Mancos shales & sands.
1490	1533	43	Gallup shales & sands.
1533	1750	217	Gallup pay sands & shales.
			(Tops from E log)

