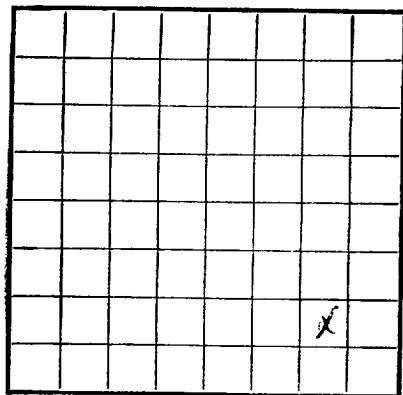


U. S. LAND OFFICE Santa FeSERIAL NUMBER 076337

LEASE OR PERMIT TO PROSPECT



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 W. D. Heath "A" Field Blanco-Pictured Cliffs State New Mexico
Well No. 4 Sec. 9 T. 25N R. 9W Meridian N.M.P.M. County San Juan
Location 1190 ft. N of N Line and 990 ft. E of W Line of Section 9 Elevation 5765
(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

D. J. SCOTTDate September 4, 1957Title Field Clerk

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

Commenced drilling July 23, 1957 Finished drilling August 8, 1957

OIL OR GAS SANDS OR ZONES

No. 1, from 2102 to 2151 ft. No. 2, from 2151 to 2157 ft.
No. 3, from 2157 to 2157 ft. No. 4, from 2157 to 2157 ft.
No. 5, from 2157 to 2157 ft. No. 6, from 2157 to 2157 ft.

IMPORTANT WATER SANDS

No. 1, from none to none ft. No. 2, from none to none ft.
No. 3, from none to none ft. No. 4, from none to none ft.

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated	Purpose
8-5/8"	22.7	8RT	Armco	250'	Guide		From—	To—
4-1/2"	9.50	8RT	National	230'	Guide		From—	To—
								Surface

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	258'	225 sacks	Halliburton 2 Plug		
4-1/2"	2433'	250 sacks	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 2433 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

August 8, 1957Put to producing Shut-in, 19____

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

If gas well, cu. ft. per 24 hours 2,730,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Paul O. Glover, Driller C. O. Shelton, Driller

E. L. Martin, Driller Don Murray, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1130	1130	Surface sand & shale & Animas shale.
1130	1257	127	Ojo Alamo sandstone.
1257	2005	748	Kirtland-Farmington sand & shale.
2005	2295	290	Fruitland sands, shales & coals.
2295	Total Depth	135	Pictured Cliffs sandstone.

