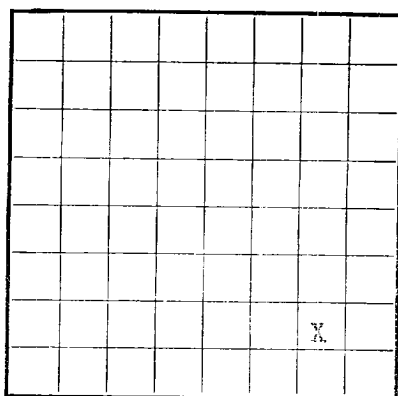


U. S. Land Officer Santa Fe

U. S. LAND OFFICE
SERIAL NUMBER SF 078139

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 E. E. Elliott "A" Field Blanco-pictured State New Mexico
Well No. 2 Sec. 15 T. 30N R. 9W Meridian N.M.P.M. Cliffs County San Juan
Location 1130 ft. N. of 3 Line and 990 ft. E. of E. Line of Section 15 Elevation 6175

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 _____

Date September 26, 1958 Title Field Superintendent

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

Commenced drilling September 5, 1958 Finished drilling September 10, 1958

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 1930 to 1960 (C) 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

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	318	240 Sacks	Willburton	No. 2 Plug	
5-1/2	2992	625 Sacks	H. J. Service	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 shut in Blanco-Pictured Cliffs		Shut in for pipeline connection;	
Field Development Gas Well, 19-----	Put to producing -----	September 15, 1958	September 15, 1958
Preliminary test of 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 175000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. ----- 1037 (Shut in casing pressure 11 days.)

EMPLOYEES

-----, Driller	-----, Driller
Cotton Ripson	E. E. Estes
-----, Driller	-----, Driller
F. J. Buck	Jackie White

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1623	1623	Surface sands & shale & Animas Shale.
1623	1800	177	Ojo Alamo sandstone.
1800	2463	663	Hartland-Farmington sand & shale.
2463	2930	467	Hartland sands, shales & coals.
2930	2992	62	Pictured Cliffs sandstone.
			(Tops from Electric Log)

(Tons from Electric Loc)