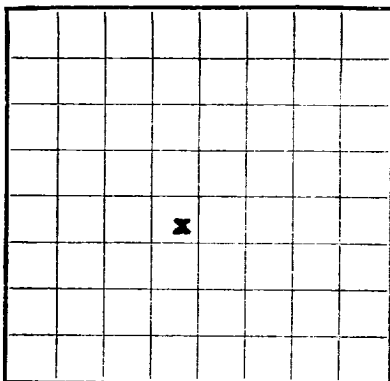
U. S. LAND OFFICE Santa Fe
SERIAL NUMBER NM-04419
LEASE OR PERMIT TO PROSPECT
Northeast Hogback UnitUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYRECEIVED
NOV 21 1961

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Pan American Petroleum Corporation Address P. O. Box 480, Farmington, New MexicoLessor or Tract Northeast Hogback Unit Field Water Supply Source State New MexicoWell No. 1 Sec. 10 T. 30N R. 16W Meridian N.M.P.M. County San JuanLocation 2904 ft. of S Line and 2580 ft. of E Line of Section 10 Elevation 5492' (RDB)

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.Date November 21, 1961 Title Senior Petroleum Engineer

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

Commenced drilling July 26, 1961 Finished drilling August 10, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2450 to 2900 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

Size casing	Weight per foot	Threads per inch	Make	Amount	Type of steel	Cut and pulled from	Perforated		Purpose
							From	To	
16"	65#	SPT	H-40	101'	Guide				Surface
10-3/4"	40.5#	SPT	J-55	2900'	Guide				Oil string

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
16"	113'	200	1 plug		
10-3/4"	2990'	475	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 2990 feet, and from _____ feet to _____ feet

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

Completed as Morrison Water Supply DATESWell October 14, 1961 Put to producing _____, 19____The production for the first 24 hours was 3400 barrels of oil water emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

G. W. Mason, Driller J. J. Clay, DrillerAlbert Easley, Driller Jack Guison, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	350	350	Pictured Cliffs sand and shale.
350	1287	937	Mancos shale.
1287	1925	638	Gallup sand and shale.
1925	2025	100	Greenhorn sand and shale.
2025	2309	284	Dakota sand and shale.
2309	2990	681	Morrison water sands.

(tops from "E" log)

