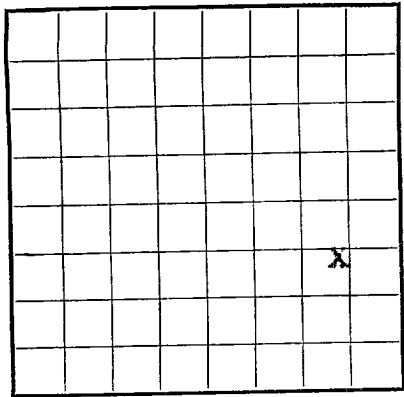


U. S. LAND OFFICE SF
SERIAL NUMBER 081226
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

1959

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Products Co. Address Box 1565, Farmington, New Mexico
Lessor or Tract Horseshoe Canyon Field Horseshoe Gallup State New Mexico
Well No. 12 Sec. 3 T. 30N R. 16W Meridian NMPM County San Juan
Location 1810 ft. N. of S. Line and 760 ft. E. of E. Line of Section 3 Elevation 5707'
(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 ORIGINAL SIGNED BY: JOSEPH E. KREGER

Date February 5, 1959 Title Petroleum Engineer

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

Commenced drilling November 29, 1958 Finished drilling December 16, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1585' to 1630' 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	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8-5/8"	32.00	3 Rd.	J-55	93	Baker				Surf. Csg.
5-1/2"	15.50	3 Rd.	J-55	1735	Baker		1585	1630	Prod. Csg.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	101	75	Circulated		
5-1/2	1765	100	Single Stage		

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
		See "Well History"				

TOOLS USED

Rotary tools were used from 0 feet to 1766 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

December 19, 1958 Put to producing January 13, 1959

The production for the first 24 hours was 113 barrels of fluid of which 100% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, 84.9 API 41.1

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	322	322	Point Lookout Form. Gy., v/fn. silty ss. w/frequent shale breaks.
322	1443	1121	Mancos Form. Gy. carb. shale.
1443	1726	283	Gallup Form. Lt. gy. to brn. calc. carb. micaceous glauconitic. Very fn. to med. gr. ss. w/irreg. interbedded shale.
1726	1766	40	Sanstee Form. Dk. gy. calc. v/fn. to fn. gy. ss. w/calc. veins, w/irreg. inbd. dk. gy. sd.
TOPS ARE FROM ELECTRIC LOGS AND RADIOACTIVITY LOGS.			