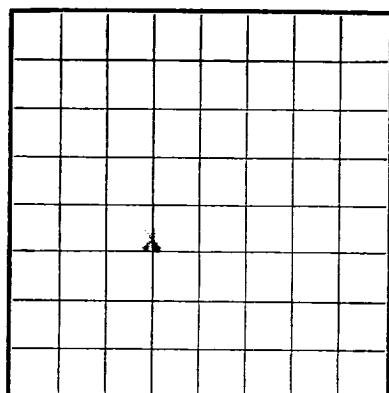




UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL.

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Products Co. Address Box 1568, Farmington, New Mexico
Lessor or Tract Horseshoe-Jte Field Horseshoe-Gallup State New Mexico
Well No. 4 Sec. 33 T. 31N R. 16W Meridian NMPM County San Juan
Location 1930 ft. N of 1/4 Line and 3300 ft. E of E Line of Sec. 33 Elevation 9350

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: JESSE E. KROGER

Date December 9, 1956 Signed ORIGINAL SIGNED BY: JOSEPH E. KREGER
Title Petroleum Engineer

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

Commenced drilling November 2 1938 Finished drilling November 4 1938

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

(Denote gas by G)

No. 1, from <u>1158</u> to <u>1178</u>	No. 4, from _____ to _____
No. 2, from <u>1200</u> to <u>1278</u>	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—	
3-5/8	32.00	8 Rd.	J-55	97	Baker				Surf. Log.
4-1/2	42.00	8 Rd.	J-55	134	Baker		11.30	12.78	Prod. Log.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	105	100	Circulated		
5-1/2	1522	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 "History"			

TOOLS USED

Rotary tools were used from 0 feet to 1326 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

November 16, 1958 Put to producing November 17, 1958

The production for the first 24 hours was 1.30 barrels of fluid of which 100% was oil; -----% emulsion; -----% water; and -----% sediment. Gravity 86° API 1.25

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	913	913	Mancos Form. gy. carb. shale.
913	1230	362	Callup Form. Lt. gy. to brn. calc. carb. micaceous glauconitic. Very fn. to med. gr. ss. w/irreg. interbedded shale.
1230	1326	46	Sanastee Form. dk. gy. calc. v/fn. to fn. gy. ss. w/calc. veins, w/irreg. med. dk. gy. sd.
TOPS ARE FROM ELECTRIC LOGS AND RADIOACTIVITY LOGS.			

UNITED STATES
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LOCATE WELL CORRECTLY

[illegible]

Commenced drilling _____, 19____. Finished drilling _____, 19____.

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

Date _____ Title _____

[illegible]

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of re-drilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

[illegible]

... WYBANK