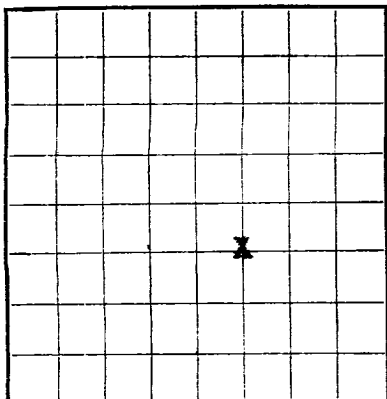




LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYU. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICONavajo-Ute
U. S. LAND OFFICE
SERIAL NUMBER 14-36-604-1951
LEASE OR PERMIT TO PROSPECT

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Products Co. Address Box 1566, Farmington, New Mexico
Lessor or Tract Horseshoe Ute Field Horseshoe Gallup State New Mexico
Well No. 22 Sec. 28 T. 11N R. 16W Meridian NMPM County San Juan
Location 1980 ft. N of S Line and 1980 ft. W of E Line of Section 28 Elevation 5760'
(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: WILLIAM K. SLAZENER
Date October 5, 1959 Title Geologist

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

Commenced drilling August 28, 1959 Finished drilling September 1, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1602' to 1623' 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"	32.100	1 1/2	1-32	100	1-32	1-32	1-32	1-32	1-32
5-1/2"	16.000	1 1/2	1-32	100	1-32	1-32	1-32	1-32	1-32
HISTORY OF OIL OR GAS WELLS									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	119'	125	Circulated		
5-1/2"	1782'	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 _____ feet to 1783 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

September 5, 1959 Put to producing October 1, 1959

The production for the first 24 hours was 60.00 barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 40.8 API

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	300	300	Point Lookout Form. Gy., v/fa. silty ss. w/frequent shale breaks.
300	1385	1085	Mancos Form. Gy. carb. shale.
1385	1757	372	Gallup Form. Lt. gy. to bra. calc. carb. micaceous glauconitic. Very fa. to med. gr. ss. w/irreg. interbedded shale.
1757	1783	26	Sanaskee Form. Dk. gy. calc. v/fa. to fa. gy. ss. w/calc. veins, w/irreg. lath. dk. gy. sand.
TOPS ARE FROM ELECTRIC LOGS AND RADIOACTIVITY LOGS.			
FROM—	TO—	TOTAL FEET	FORMATION

A blank sheet of graph paper with a grid pattern. The grid consists of 10 columns and 8 rows of squares. There are no markings or text on the page.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BIOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Date _____ of month _____, 19____
 Signed _____
 Title _____
 ORIGINAL SIGNED BY: WILLIAM K. GLAZIER
 The information given herewith is a complete and correct record of the well and all work done thereon
 (Printed form relative to well)
 Location _____ of _____ Line and _____ ft. _____ of _____ Line of _____
 Well No. _____ Sec. _____ T. _____ R. _____ Meridian _____ County _____ State _____
 Lessor or Tract _____
 Company _____

Commenced drilling _____ 1907 _____ Finished drilling _____ 1908 _____

OIL OR GAS SANDS OF ZONES

(D) 2000

No. 1, from 1001.	No. 1, from 1001.
No. 2, from	No. 2, from
No. 3, from	No. 3, from

9-5-59 SOL parts. 1602-1628 with 59,800 gals. oil and 60,000 sand; flush with 1600 gals. oil; Injection Rate: 61.5 bbls; maximum treating pressure 1200; Breakdown pressure 2400; Average standing pressure 1050.

INVESTIGATIONS

Casting No.	Weight Per foot	Threads Per Inch	Size	Amount	Kind of pipe	Cost and other items	State - To -	Purposes
It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If tags were put in the casing, specify the date, size, position, and number of anchors. If things or bridges were put in to test for water, state kind of material used, position, and results of pumping or pulling, "sinker," or left in the well, give size and location. If the well has been dynamited, give date, size, position, and results of pumping or pulling.								

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

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FORMATION RECORD—Continued