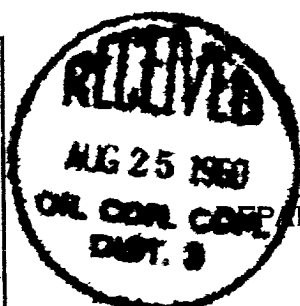


A 10x10 grid with a bold 'X' in the 7th column and 4th row from the top-left corner.



U. S. LAND OFFICE **Navajo Tribal**
SERIAL NUMBER **14-20-603-2148**
LEASE OR PERMIT TO PROSPECT

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 1560, Farmington, New Mexico
Lessor or Tract Ojo Amarillo Field Undesig. Gallup State New Mexico
Well No. 3 Sec. 27 T. 20N R. 14W Meridian NMPM County San Juan
Location 1980 ft. N. of S Line and 780 ft. E of E Line of Section 27 Elevation 5788'
(Derrick foot 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. KRÖGER

Date August 22, 1960 Title Petroleum Engineer

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

Commenced drilling June 6, 1960 Finished drilling June 19, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5328 to 5346 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 casting	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
9-3/4"	2.00	16	1.5	100	Texaco	100	100	100	100
5-1/2"	1.50	16	1.5	100	Texaco	100	100	100	100
				HISTORICAL RECORD ON CASE NO. 100					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	202'	200	Circulsted		
5-1/2"	5595'	200	Pump & 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
		See "Well History"				

TOOLS USED

Rotary tools were used from 0 feet to 360 feet, and from feet to feet.

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

DATES

----- June 29 -----, 1960 ----- Put to producing ----- July 10 -----, 1960 -----

The production for the first 24 hours was 143.39 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, °Bé. 83 API 42.7

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	1242'	1242'	Fruitland: Gy. carb. sh., scat. coals, coals & gy. tight FG ss.
1242'	2196'	954'	Pictured Cliffs: Gy., FG, tight, varicolored soft ss.
2196'	3785'	1589'	Mesa Verde: Gy., FG, ds. silty ss., carb. sh. and coal.
3785'	5303'	1518	Point Lookout: Gy., v/fn. silty ss. w/freq. shale breaks.
5303'	5600'	297'	Lower Gallup: Lt. gy. to brn. calc. carb. micac. glauconitic. V/fn. to med. gr. ss. w/irreg. lmbd. shale.
			TOPS ARE FROM ELECTRIC LOGS AND RADIOACTIVITY LOGS.
CHURCH	DATE	SOLVED LEVEL	FORMATION

TOPS ARE FROM ELECTRIC LOGS
AND RADIOACTIVITY LOGS.

