

U. S. LAND OFFICE Navajo TribalSERIAL NUMBER 14-20-603-2037

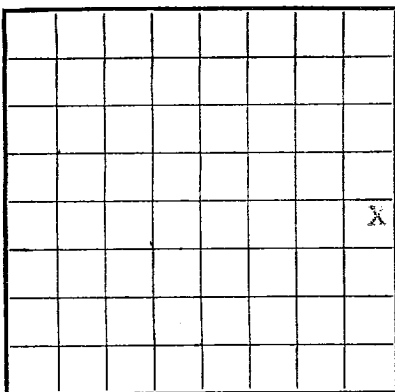
LEASE OR PERMIT TO PROSPECT



UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

RECEIVED
JUL 21 1959
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Products Co. Address Box 1565, Farmington, New Mexico
Lessor or Tract Chimney Rock Field Horseshoe Gallup State New Mexico
Well No. 14-A Sec. 25 T. 31N R. 17W Meridian NMPM County San Juan
Location 2310 ft. N. of S Line and 330 ft. E. of E Line of Section 25 Elevation 5768'
(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: J. SEPH E. KREMER**
Title Petroleum Engineer

Date July 20, 1959

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

Commenced drilling June 22, 1959 Finished drilling June 25, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1399' to 1425' No. 4, from _____ to _____
No. 2, from 1479' to 1498' 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"	42.00	4.5	AMERICAN	100	Single	1399'	1425'	1498'	Production
5-1/2"	25.00	4.5	AMERICAN	100	Single	1479'	1498'	1551'	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	122	100	Circulated		
5-1/2"	1549	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

TOOLS USED

Rotary tools were used from _____ feet to 1551 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

June 30, 1959 Put to producing July 15, 1959
The production for the first 24 hours was 137 barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé 41.3
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	1180	1180	Mancoos Form. Gy. carb. shale.
1180	1551	371	Gallup Form. Lt. gy. to brn. calc. carb. micaceous glauconitic. Very fn. to med. gr. ss. w/irreg. interbedded shale.
TOPS ARE FROM ELECTRIC LOGS AND RADIOACTIVITY LOGS.			
FROM—	TO—	TOTAL FEET	FORMATION

FORMATION RECORD—Continued

