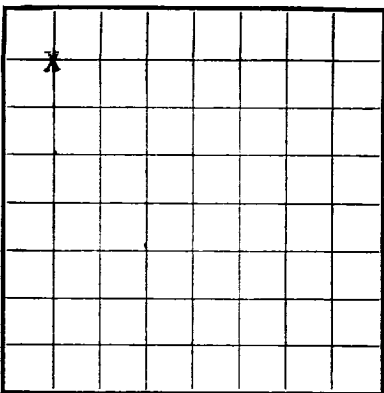


U. S. LAND OFFICE Navajo Tribal
SERIAL NUMBER 14-20-608-733
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Products Co. Address Box 1565, Farmington, New Mexico
Lessor or Tract Horseshoe Navajo Field Horseshoe Gallup State New Mexico
Well No. 2 Sec. 5 T. 30N R. 16W Meridian NMPM County San Juan
Location 610 ft. N of N. Line and 660 ft. E of W. Line of Section 5 Elevation 5390
(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.

ORIGINAL SIGNED BY: JOSEPH E. KREGER

Date July 2, 1959 Title Petroleum Engineer

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

Commenced drilling 5-27, 1959 Finished drilling 5-29, 1959

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 1093 to 1123 No. 4, from _____ to _____
No. 2, from 1143 to 1161 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	
<u>7-5/8</u>	<u>26.40</u>	<u>8 rd</u>	<u>New</u>	<u>129'</u>					<u>Surface</u>
<u>5-1/2</u>	<u>15.50</u>	<u>8 rd</u>	<u>New</u>	<u>1246'</u>			<u>1093</u>	<u>1123</u>	<u>Production</u>
			<u>H. 20</u>	<u>1143</u>			<u>1143</u>	<u>1161</u>	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>7-5/8</u>	<u>137</u>	<u>100</u>	<u>Circulated</u>		
<u>5-1/2</u>	<u>1253</u>	<u>50</u>	<u>Circulated</u>		

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 0 feet to 1254 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

6-8, 1959 Put to producing 6-29, 1959

The production for the first 24 hours was 92.10 barrels of fluid of which 100 % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 39.80 API

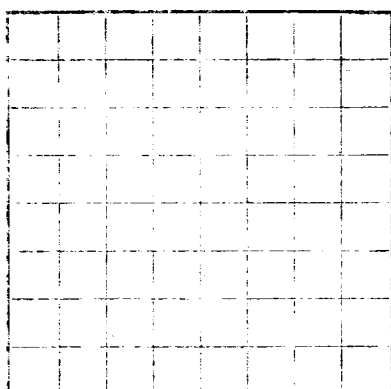
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>870</u>	<u>870</u>	<u>Mancos Formation, Gy, carb. shale.</u>
<u>870</u>	<u>1060</u>	<u>190</u>	<u>Upper Gallup Formation, Shale, gy-blk. calc. w/arragonite inclusion.</u>
<u>1060</u>	<u>1227</u>	<u>167</u>	<u>Lower Gallup Formation. Lt. gy. to brn. calc. carb. micaceous glauconitic. Very fn. to med.gr. ss. w/irreg. interbedded shale.</u>
<u>1227</u>	<u>1252</u>	<u>25</u>	<u>Sanastee Formation. Dk. gy. calc. v/fn. to fn. gy. ss. w/calc. veins, w/irreg. inbd. gy. sd.</u>



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES

U.S. LAND OFFICE
BUREAU NUMBER
DATE OF PERMIT TO PROSPECT

Company Name
Lessor or Trust
Well No.
Section
T. R. Meridian
County
State
Location
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. REEDER

Date
The summary on this page is for the condition of the well at above date.
Commenced drilling
Finished drilling
19

OIL OR GAS SANDS OR LENSES

(Describe by C)

No. 1 from
No. 2 from
No. 3 from

IMPORTANT WATER SANDS

No. 1 from
No. 2 from
No. 3 from

ATP 1250 psi; injected 48 rubber balls halfway through it; 2200 psi, increase.
sand. Flush 1200 gal. oil, IR: 50.5 bbl./min., MTP 3200 psi, BDP 500 PSI;
SOF perf. 1093-1123-1143-1161 with 55,038 gallons oil, 60,000# (20-40)
Casing record

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of running, logging, and the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "stepped" 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

10-52004-2 U. S. GOVERNMENT PRINTING OFFICE

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