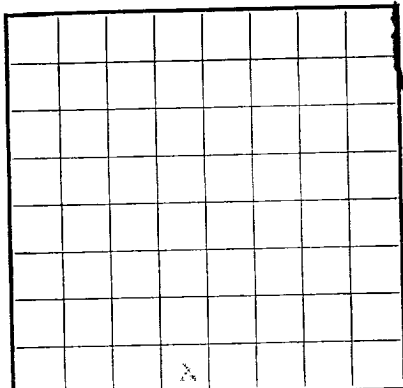
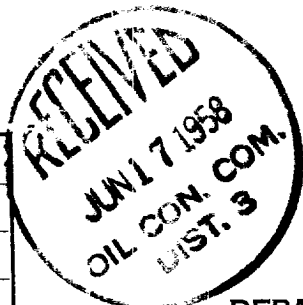


U. S. LAND OFFICE Navajo-Jte
SERIAL NUMBER 14-20-604-1951
LEASE OR PERMIT TO PROSPECT _____

LOCATE WELL CORRECTLY

UNITED STATES **RECEIVED**
DEPARTMENT OF THE INTERIOR **JUN 16 1958**
GEOLOGICAL SURVEY U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Products Co. Address Box 100, Farmington, New Mexico
Lessor or Tract Horseshoe-Ute Field Horseshoe-Gallup State New Mexico
Well No. 1 Sec. 33 T. 31N R. 10W Meridian NMPN County San Juan
Location 330 ft. N. of 8x Line and 2270 ft. W. of E Line of 22x32 Elevation 5510
(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: JOSEPH E. KREGER**Date June 12, 1958 Title Petroleum Engineer

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

Commenced drilling March 24, 1958 Finished drilling April 1, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1105' to 1150' No. 4, from _____ to _____
No. 2, from 1222' to 1252' 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>3-1/8"</u>	<u>21.00</u>	<u>5 Rd.</u>	<u>J-35</u>	<u>139'</u>	<u>Halliburton</u>				<u>Surface S.</u>
<u>3-1/2"</u>	<u>19.40</u>	<u>5 Rd.</u>	<u>J-35</u>	<u>130'</u>	<u>Halliburton</u>		<u>1105'</u>	<u>1252'</u>	<u>Prod. Co.</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>3-1/8"</u>	<u>146'</u>	<u>125</u>	<u>Circulated</u>		
<u>3-1/2"</u>	<u>1311'</u>	<u>100</u>	<u>Single stage</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
			<u>see "Remarks"</u>			

TOOLS USED

Rotary tools were used from 0 feet to 1312 feet, and from _____ feet to _____ feet

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

DATES

_____ May 14, 1958 Put to producing _____ May 20, 1958The production for the first 24 hours was 94 barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, $^{\circ}\text{Be}^{\circ}$ API 40.4

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>137</u>	<u>137</u>	<u>Mancos Form. Gy. carb. sh.</u>
<u>137</u>	<u>1070</u>	<u>139</u>	<u>Upper Gallup Form. shale, gy.-blk., calc. w/aragonite inclusion.</u>
<u>1070</u>	<u>1262</u>	<u>166</u>	<u>Lower Gallup Form. Lt. gy. to brn. calc. carb. micaceous glauconitic. Very fn. gr. ss. w/irreg. interbedded shale.</u>
<u>1262</u>	<u>1512</u>	<u>50</u>	<u>Sanastee Form. dk. gy. calc. v/fn. to fn. gy. ss. w/calc. veins, w/irreg. lbd. dk. gy. ss.</u>
			<u>TOPS ARE FROM ELECTRIC LOGS AND RADIOACTIVITY LOGS.</u>

1. *Phragmites australis* (Cav.) Trin. ex Steud.

ORIGINAL SIGNED BY: JESSE J. B. JONES

Sandoll Frac. 1103'-1150'. Reservoir set at 1170'. 14,994 gals. oil & 15,000# sand; flush with 1150 gals. oil; IR-53.3 bpm., Max. TP-800; BDP-300; Avg. TP-625.
Sandoll Frac. 1222'-1252' with 16,323 gals. oil & 15,000# sand; flush with 1252 gal. oil; IR-54.4 bpm., Max. TP-800; BDP-750; Avg. TP-725.

SANDBOLT FRACTURE

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 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

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

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