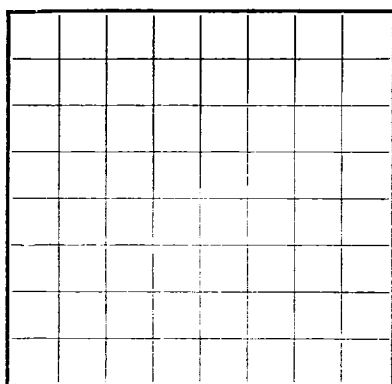


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078049
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997 Farmington, New Mexico
Lessor or Tract Hughes Field Bianco State New Mexico
Well No. 3-A Sec. 27 T. 29N R. 3W Meridian N.M.P.M. County San Juan
Location 390 ft. N. of S. Line and 990 ft. E. of W. Line of Section 27 Elevation 6411'
(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 [Signature]
Date July 24, 1953 Title Petroleum Engineer.

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

Commenced drilling May 30, 1953 Finished drilling June 17, 1953

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2966 to 3040 (G) No. 4, from 5170 to 5253 (G)
No. 2, from 4538 to 4693 (G) No. 5, from _____ to _____
No. 3, from 4693 to 5170 (G) 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>5/8"</u>	<u>25.4#</u>	<u>S.W.</u>	<u>ARICO</u>	<u>161'</u>	<u>ARICO</u>				<u>Surface</u>
<u>7/8"</u>	<u>23#</u>	<u>4 1/2"</u>	<u>Spangly</u>	<u>4325'</u>	<u>Baker</u>				<u>Prod. Csg.</u>
<u>2"</u>	<u>4.7#</u>	<u>4 1/2"</u>	<u>Younger</u>	<u>5242'</u>					<u>Prod. Csg.</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>5/8"</u>	<u>173'</u>	<u>125</u>	<u>Circulated</u>		
<u>7/8"</u>	<u>4535'</u>	<u>300</u>	<u>3-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>1/2"</u>	<u>Regular</u>	<u>S.N.G.</u>	<u>1755</u>	<u>6-17-53</u>	<u>4537-5317</u>	<u>5317</u>

TOOLS USED

Rotary tools were used from _____ feet to 4535 feet, and from 4535 feet to 5317 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Put to producing June 19, 1953

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

If gas well, cu. ft. per 24 hours 6,450,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 1077

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	590	590	Tan cr-grn ss w/thin sh breaks.
590	1138	598	Variegated sh w/thin ss breaks.
1138	1967	779	Tan to gry cr-grn ss interbedded w/gry sh.
1967	2110	143	Ojo Alamo ss. Wh cr-grn s. Top Ojo Alamo 1967.
2110	2638	528	Kirtland formation. Gry sh interbedded w/tight gry fine-grn ss. Top Kirtland 2110.
2638	2966	328	Fruitland formation. Gry carb sh, scattered coal and gry, tight, fine-grn ss. Top Fruitland 2638.
2966	3040	74	Pictured Cliffs formation. Gry, fine-grn, tight, varicolored soft ss. Top Pictured Cliffs 2966.
3040	4538	1548	Lewis formation. Gry to wh dense sh w/silty to shaly ss breaks. Top Lewis 3040.
4538	4693	105	Cliff House ss. Gry, fine-grn, dense sil ss. Top of Cliff House 4538.
4693	5170	477	Menefee formation. Gry, fine-grn s, carb sh and coal. Top Menefee 4693.
5170	5253	83	Point Lookout formation. Gry, very fine sil ss w/frequent sh breaks. Top Point Lookout 5170.
5253	5317	64	Mancos formation. Gry carb sh. Top Mancos 5253.

FOLD MARK

