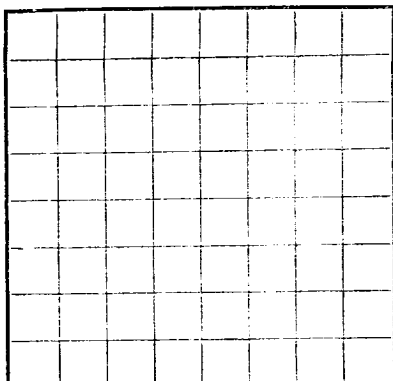


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 075416-A
LEASE OR PERMIT TO PROSPECT _____

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 Hardie Field Blanco State New Mexico
Well No. 4 Sec. 23 T. 29N R. 8W Meridian N.M.P.M. County San Juan
Location 1775 ft. NW 1/4 of N Line and 300 ft. W of E Line of section 23 Elevation 6502
(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

H. E. SchuchDate July 15, 1953Title Petroleum Engineer

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

Commenced drilling May 17, 1953 Finished drilling June 22, 1953OIL OR GAS SANDS OR ZONES
(Denote gas by G)No. 1, from 3134 to 3215 (G) No. 4, from 5340 to 5464 (G)
No. 2, from 4790 to 4934 (G) No. 5, from _____ to _____
No. 3, from 4934 to 5340 (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>9-5/8</u>	<u>25.4</u>	<u>8</u>	<u>Armco</u>	<u>162</u>	<u>Armco</u>				<u>Surface</u>
<u>7</u>	<u>17.2</u>	<u>8</u>	<u>Young</u>	<u>300</u>	<u>Young</u>				<u>Production</u>
<u>2</u>	<u>4.7</u>	<u>8 RD</u>	<u>Young</u>	<u>5454</u>	<u>Young</u>				<u>Production</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>9-5/8</u>	<u>172</u>	<u>125</u>	<u>Circulation</u>		
<u>7</u>	<u>4731</u>	<u>300</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>Qts.</u>	<u>Reg.</u>	<u>S. N. G.</u>	<u>1335</u>	<u>6-22</u>	<u>4888-5554</u>	<u>5554</u>

TOOLS USED

Gas Drilling

Rotary tools were used from _____ feet to 5546 feet, and from 5546 feet to 5554 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

June 23, 1953 Put to producing _____, 19____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 5,362,000 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 4070

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1047	1047	Tan coarse-grn. ss. w/ thin sh. breaks.
1047	1910	863	Varieg. sh. w/ thin ss. breaks.
1910	2235	325	Tan to gry. coarse-grn. ss. interbedded w/ gry. sh.
2235	2310	75	Ojo Alamo Ss. wh. coarse-grn. sand. T/Ojo Alamo 2235.
2310	2807	497	Kirtland Fm. Gry. sh. interbedded w/ tight gry. fine-grn. ss. T/Kirtland 2310.
2807	3154	347	Fruitland Fm. Gry. carb. sh. scattered coals & gry. tight, fine-grn. ss. T/Fruitland 2807.
3154	3215	61	Pictured Cliffs Fm. Gry. fine-grn. tight, varicolored soft ss. T/Pictured Cliffs 3154.
3215	4790	1575	Lewis Fm. Gry. to wh. dense sh. w/ silty to shaly ss. breaks. T/Lewis 3215.
4790	4954	164	Cliff House Ss. Gry., fine-grn. dense sil. ss. T/Cliff Hse. 4790.
4954	5340	386	Menefee Fm. Gry., fine-grn. sands, carb. sn. & coal. T/Menefee 4954.
5340	5464	124	Point Lookout Fm. Gry., very fine sil. ss. w/ frequent sh. breaks. T/Point Lookout 5340.
5464	5554	90	Mancos Fm. Gry. carb. sh. T/Mancos 5464.

FROM

TO

TOTAL FEET

[OVER]

FORMATION

16-43004-2

FORMATION RECORD—Continued