Form 9-330

Budget Bureau No. 42-R-355.3.
Approval expires 12-31-55.

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 073438
LEASE OR PERMIT TO PROSPECT
14-08-001-466

RECEIVED JUL 19 1954 OIL CON. COM. DIST. 3

RECEIVED JUL 22 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico

Lessor or Tract San Juan 32-9 Unit Field Blanco State New Mexico

Well No. 20 Sec. 18 T. 31N R. 9W Meridian N. M. P. M. County San Juan

Location 990 ft. [N.] of N Line and 990 ft. [E.] of E Line of Section 18 Elevation 6637
(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 S. Schuelema

Date July 8, 1954 Title Petroleum Engineer

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

Commenced drilling March 5, 19 54 Finished drilling April 29, 19 54

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3454 to 3529 (G) No. 4, from 5730 to 5831 (G)

No. 2, from 5223 to 5385 (G) No. 5, from to

No. 3, from 5385 to 5730 (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 From—	Perforated To—	Purpose
9-5/8	25.4	S. W.	Armco	161	Armco				Surface
7	23	8 RD	Spang	2037	Baker				Prod. Csg.
7	20	8 RD	Spang	3130	Baker				Prod. Csg.
2	4.7	8 RD	Youngs.	5786					Prod. Tbg.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	173	125	Circulated		
7	5220	500	Single Stage		

FOLD MARK

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
	Sand-Oil	See Well History.				

TOOLS USED

Gas Drilling

Rotary tools were used from 0 feet to 5220 feet, and from 5220 feet to 5831 feet

Cable tools were used from feet to feet, and from 5260 feet to 5854 feet

Whipstock Hole

DATES

May 1, 19 54 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 4,742,000 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. 994

EMPLOYEES

, Driller , Driller

, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	650	650	Tan cr-grn ss w/thin sh breaks.
650	1950	1300	Varieg sh w/thin ss breaks.
1950	2621	671	Tan to gry cr-grn interbedded w/gry sh. ss /
2621	2715	94	Ojo Alamo ss. Wh cr-grn ss. T/Ojo Alamo 2621.
2715	3096	381	Kirtland fm. Gry sh interbedded w/tight gry fine-grn ss. T/Kirtland 2715.
3096	3454	358	Fruitland fm. Gry carb sh, scattered coals & gry, tight, fine-grn ss. T/Fruitland 3096.
3454	3529	75	Pictured Cliffs fm. Gry, fine-grn, tight, vari-colored soft ss. T/Pictured Cliffs 3454.
3529	5223	1694	Lewis fm. Gry to wh dense sh w/silty to shaly ss breaks. T/Lewis 3529.
5223	5385	162	Cliff House ss. Gry fine-grn dense sil ss. T/Cliff House 5223.
5385	5730	345	Menefee fm. Gry, fine-grn, s, carb sh & coal. T/Menefee 5385.
5730	5831	101	Point Lookout fm. Gry, very fine sil ss w/frequent sh breaks. T/Point Lookout 5730.

16—43094-8

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

HISTORY OF OIL OR GAS WELL

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.

4-17-54 T. D. 5371, interval treated 5220-5371 (directional hole). Set Baker retainer @ 5172 & treated Cliff House fm. w/15,000 gal. #2 diesel oil and 9200# sand. Breakdown press. 1800#, maximum press. 2100#, injection rate 5.8 bbl./min. Flushed w/1550 gal. oil. Natural gage 110 MCF. Gage 14 hrs. after treatment 2,190 MCF.

4-23-54 T. D. 5854, interval treated 5642-5854 (directional hole). Set Baker retainer @ 5642 & treated Point Lookout fm. w/16,000 gal. #2 diesel oil and 14,000# sand. Breakdown press. 3500#, injection rate 5.5 bbl./min. No flush, formation plugged. Natural gage 600 MCF. Gage 18 hrs. after treatment 3,500 MCF.

4-30-54 T. D. 5831, interval treated 5631-5831 (straight hole). Set Baker retainer @ 5631 & treated Point Lookout fm. w/8700 gal. #2 diesel oil & 5200# sand. Breakdown press. 600#, maximum press. 1600#, injection rate 5 bbls./min. Natural gage 2,060 MCF. Gage after treatment 3,700 MCF.

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