Form 9-330

Form approved.
Budget Bureau No. 42-R355.4.

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 079366
LEASE OR PERMIT TO PROSPECT

RECEIVED
NOV 14 1961
OIL CON. COM.
DIST. 3

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 990, Farmington, New Mexico

Lessor or Tract Rincon Unit Field Basin Dakota State New Mexico

Well No. 158 Sec. 22 T. 27N R. 6W Meridian N.M.P.M. County Rio Arriba

Location 1090 ft. [N.] of S Line and 1460 ft. [E.] of W Line of Section 22 Elevation 6525 (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 R. R. Keohan

Date November 9, 1961 Title Petroleum Engineer

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

Commenced drilling 9-15-, 1961 Finished drilling 10-2-, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 7343 to 7459 (G) No. 4, from to

No. 2, from 7459 to 7600 (G) 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 From—	Perforated To—	Purpose
10 3/4"	32.75	8rd	H-40	296	Guide				Surface
4 1/2"	10.5 & 11.6	8rd	J-55	7672	Baker				Intermediate
2 3/8"	4.7	8rd	J-55	7568	Baker				Prod tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	309	220	circulated		
4 1/2"	7672	470	3 stage		

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
See Well History						

TOOLS USED

Rotary tools were used from feet to feet, and from feet to feet

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

DATES

November 3, 1961 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 3,399,000 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. 2594 (casing) A.O.F. 3929 MCF/D

EMPLOYEES

, Driller , Driller

, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2481	2481	Tan to gry cr-grn ss interbedded w/gry sh.
2481	2604	123	Ojo Alamo ss. White cr-grn s.
2604	2928	324	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2928	3138	210	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3138	3218	80	Pictured Cliffs forms Gry, fine-grn, tight, varicolored soft ss.
3218	4810	1592	Lewis form. Gry, fine-grn, dense sil ss.
4810	4890	80	Cliff House ss. Gry, fine-grn, dense sil ss.
4890	5333	443	Menefee form. Gry, fine-grn s, carb sh & coal.
5333	5404	71	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5404	6402	998	Mancos form. Gry carb sh.
6402	6975	573	Gallup form. Lt gry to brn calc carb micac glauco very fine gry ss w/irreg interbed sh.
6975	7279	304	Sanostee form. Dk gry calc very fine to fine gry ss w/calc veins w/irreg inter drk gry s.
7279	7343	64	Greenhorn form. Highly calc gry sh w/thin lmst.
7343	7459	116	Graneros form. Dk gry sh, fossil & carb w/prite incl.
7459	7600	141	Dakota form. Lt to dk gry foss carb sl cals sl silty ss w/prite incl thin sh bands clay & shale breaks.
7600	7673	73	Morrison form. Interbed grn brn & red waxy sh & fr to cr grn sand.

(OVER)

16—43094-5

FOLD | MARK

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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.

7542-46;7552-56; 7562-66;7574-78; 7376-84;7402-10 7420-28; 7462-70;7496-7504; 7510-18;	Frac Bakken w/50,100 gal water, 47,500# sand. ATP 2100#, max pr 4100#, avg tr pr 3900#. I.R. 16.4 BPM. Flush 5270 gallons. Frac Grassrose w/37,760 gal water, 32,500# sand. ATP 1000#, max pr 3900#, avg tr pr 3800-3820-3900#. IR 37.6 BPM. Flush 5500 gal. Frac Upper Dakota w/42,200 gal water, 41,000# sand. tr pr 3900-3800-3800#. IR 40.8 BPM. Flush 5500 gallons.

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