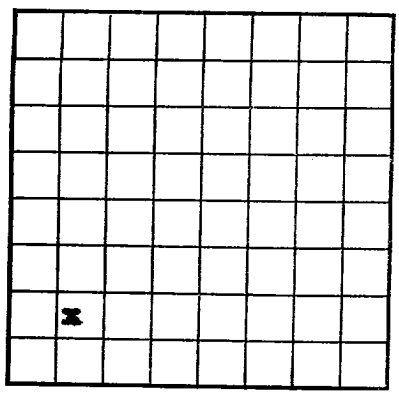
Budget Bureau No. 42-R355.2.
Approval expires 12-31-52.

Form 9-330

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078046
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 Blanco State New Mexico
Well No. 4 Sec. 20 T. 29 R. 8 Meridian N.M.P.M. County San Juan
Location 990 ft. {N.} of S Line and 990 ft. {E.} of W Line of Section 20 Elevation 6485 (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. Forbett

Date April 22, 1953 Title Petroleum Engineer.

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

Commenced drilling 3-2-53, 19 Finished drilling March 16, 1953

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 3053 to 3088 (G) No. 4, from to
No. 2, from 4696 to 4804 (G) No. 5, from to
No. 3, from 5286 to 5411 (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	8 R	S. N.	162	Armco				Surface
7"	20	8 R	Spang	4597	Baker				Production
2"	4.5	8 R	Nat.	5358					Tubing

RECEIVED
MAY 5 1953
OIL CON. COM.
DIST. 3

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8	173'	150	Circulated		
7"	4607	300	Sing.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
Quart	Regular	S.N.G.	1770	3-17-53	4651-5431	5431

Natural Gage 486 MCF.

TOOLS USED

Rotary tools were used from 0 feet to 4607 feet, and from 4607 Gas Drilling feet to 5431 feet
Cable tools were used from feet to feet, and from feet to feet

DATES

March 18, 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 4,687,000 Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in. 1039 psig

EMPLOYEES

, Driller , Driller
, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	645	645	Tan cr-grn ss w/thin sh breaks.
645	1426	781	Variegated sh w/thin ss breaks.
1426	2000	574	Tan to gry cr-grn ss interbedded w/gry sh.
2000	2150	150	Ojo Alamo ss. Wh cr-grn s. Top Ojo Alamo 2000.
2150	2750	600	Kirtland formation. Gry sh interbedded w/tight gry fine-grn ss. Top Kirtland 2150.
2750	3053	303	Fruitland formation. Gry carb sh, scattered coals and gry,tight,fine-grn ss. Top Fruitland 2750.
3053	3088	35	Pictured Cliffs formation. Gry,fine-grn,tight, varicolored soft ss. Top Pictured Cliffs 3053.
3088	4656	1568	Lewis formation. Gry to wh dense sh w/silty to shaly ss breaks. Top Lewis 3088.
4656	4804	148	Cliff House ss. Gry,fine-grn, dense sil ss. Top of Cliff House 4656.
4804	5286	482	Menefee formation. Gry,fine-grn s, carb sh and coal. Top Menefee 4804.
5286	5411	125	Point Lookout formation. gry, very fine sil ss w/frequent sh breaks. Top Point Lookout 5286.
5411	5431	20	Mancos formation. Gry carb sh. Top Mancos 5411.

16—43094-2

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

HISTORY OF OIL OR GAS WELL

16—43094-1 U. S. GOVERNMENT PRINTING OFFICE

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.