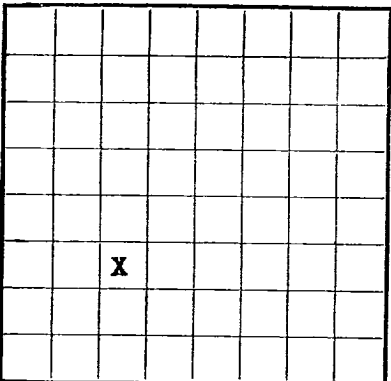


U. S. LAND OFFICE **SF**
SERIAL NUMBER **077123**
LEASE OR PERMIT TO PROSPECT



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 **Warren** Field **Aztec P.C. & Blanco** State **New Mexico**
Well No. **2 (PM)** Sec. **12** T. **28N** R. **9W** Meridian **N.M.P.M.** County **San Juan**
Location **1460** ft. **N** of **S** Line and **1750** ft. **E** of **W** Line of **Sec. 12** Elevation **5784'**
(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 D. C. Johnson**

Date **September 11, 1957** Title **Petroleum Engineer**

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

Commenced drilling **April 12**, 19 **57** Finished drilling **July 27**, 19 **57**

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from **2157** to **2319 (G)** No. 4, from **4415** to **4555 (G)**
No. 2, from **3820** to **3908 (G)** No. 5, from to
No. 3, from **3908** to **4415 (G)** No. 6, from to

IMPORTANT WATER SANDS

No. 1, from to No. 3, from
No. 2, from to No. 4, from

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated	Purpose
10 3/4	32.75	P.E.	S.W.	161'	Howco			Surface
7 5/8	26.4	8 Rd.	J-55	2350'	Baker			Prod. Cas.
5 1/2	15.5	8 Rd.	J-55	2343'	Baker			Prod. liner
2"	4.7	8 Rd.	J-55	4519'				Prod. Tbg.
1 1/4	2.3	8 Rd.	Grade "B"	2190'				Siphon

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	173'	150	Circulated		
7 5/8	2371'	250	Single Stage		
5 1/2	2296-4639	300	Single Stage		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
Adapters—Material Size **Baker 2 1/2" Packer @ 2374'**

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from **175** feet to **2371** feet, and from **2371** feet to **4644** feet
Cable tools were used from **0** feet to **175** feet, and from feet to feet

DATES

8-4, 19 **57** 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 **P.C. 2,820,000** Gallons gasoline per 1,000 cu. ft. of gas **M.V. 3,906,000**

Rock pressure, lbs. per sq. in. **517P 1017 (MV)** A.O.F. = **P. C. 3002**
SICP 876 (R) EMPLOYEES **M. V. 5349** MCF/D

, Driller, Driller
, Driller, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1105	1105	Tan to gry cr-grn ss interbedded w/gry sh.
1105	1250	145	Ojo Alamo ss. White cr-grn s.
1250	1642	392	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
1642	2157	515	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2157	2319	162	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2319	3820	1501	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
3820	3908	88	Cliff House ss. Gry, fine-grn, dense sil ss.
3908	4415	507	Menefee form. Gry, fine-grn s, carb sh & coal.
4415	4555	140	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
4555	4644	89	Mancos formation. Gry carb sh.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

1. ITREBBS 1 26' 51.00'

01-01-1980

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It is of the greatest importance to have a complete history of the well. Please state in detail the dates of reaming, 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 balling.

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FORMATION RECORD—Continued