

[illegible]

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078417
LEASE OR PERMIT TO PROSPECT _____
14-03-001-459

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract San Juan 28-7 Unit Field Blanco State New Mexico
Well No. 47 Sec. 20 T. 28N R. 7W Meridian NMPN County Rio Arriba
Location 517 ft. S. of N Line and 838 ft. W. of E Line of Section 20 Elevation 6059'

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 DC. [Signature]

Date April 23, 1956 Title Petroleum Engineer

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

Commenced drilling February 23 1956 Finished drilling March 6 1956

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2686 to 2770 (G) No. 4, from 4880 to 5051 (G)
No. 2, from 4305 to 4457 (G) No. 5, from _____ to _____
No. 3, from 4457 to 4880 (G) No. 6, from _____ to _____

IMPORTANT WATER SANDS.

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, 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—	
9 5/8	25.4#	P.E.	S.W.	162'	Howco				Surface
7 1/2	20#	8 RD	J-55	2750'	Baker				Intermediate
5 1/2	15.50#	8 RD	J-55	3000'	Baker				Production
2	4.7#	8 RD	J-55	5042'					Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8"	177'	125	Circulated		
7"	2765'	250	Single Stage		
5 1/2"	5107'	300	Single Stage		

PLUGS AND ADAPTERS

Heaving plug—Material ----- Length ----- Depth set -----
Adapters—Material ----- Size -----

SHOOTING RECORD

[illegible]

TOOLS USED

TOOLS USED		Gas Drilled
Rotary tools were used from	0 feet to 2765 feet, and from	2765 feet to 5107 feet
Cable tools were used from	feet to feet, and from	feet to feet

DATES

-----~~March 15~~-----, 19-----56 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. -----

Absolute Open Flow
If gas well, cu. ft. per 24 hours 5,857,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. ----- 995

EMPLOYEES

_____, Driller

_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	785	785	Tan cr-grn ss w/thin sh breaks.
785	970	185	Variegated sh w/thin ss breaks.
970	1820	850	Tan to gry cr-grn ss interbedded w/gry sh.
1820	1912	92	Ojo Alamo ss. White cr-grn ss.
1912	2435	523	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2435	2686	251	Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
2686	2770	84	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2770	4305	1535	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4305	4457	152	Cliff House ss. Gry, fine-grn, dense sil ss.
4457	4880	423	Manefee form. Gry, fine-grn s, carb sh & coal.
4880	5051	171	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5051	5107	56	Mancos formation. Gry carb sh.

