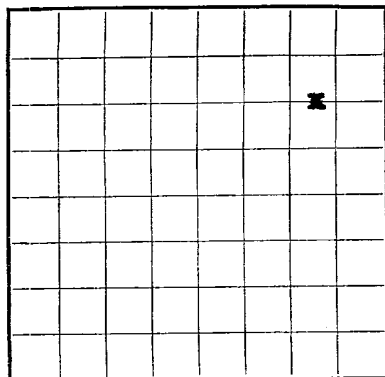


New Mexico

U. S. LAND OFFICE 03863

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

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 28-4 Unit** Field **Blanco** State **New Mexico**
Well No. **14-29** **29** **28N** **4W** Meridian **N.M.P.M.** County **Rio Arriba**
Location **1850** **Sec. 29** **T. N** **R. 800** **E. E** **Sec. 29** **7364'**
ft. {N.} of Line and ft. {E.} of Line of Elevation
{S.} {W.} (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.

Date **February 20, 1958** Signed **Original Signed D. C. Johnson**
Title **Petroleum Engineer**

The summary on this page is for the condition of the well at above date. **12-6-** **57** **12-30-** **57**
Commenced drilling, 19 Finished drilling, 19

OIL OR GAS SANDS OR ZONES

No. 1, from **4305** to **4445 (G)** **6462** **6680 (G)**
No. 2, from **6095** to **6160 (G)**
No. 3, from **6160** to **6462 (G)**
No. 4, from to
No. 5, from to
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—	
10 3/4"	32.75	P.F.	S.W.	161'	Howco				Surface
7 5/8"	26.40	8 Rd.	J-55	4487'	Baker				Intermediate
5 1/2"	15.50	8 Rd.	J-55	2275'	Baker				Prod. liner
2"	4.7	8 Rd.	J-55	6693'					Prod. tbg.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	172'	150	circulated		
7 5/8"	4497'	250	single stage		
5 1/2"	4461-6736'	300	single 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

Gas Drilled

Rotary tools were used from **0** feet to **4508** feet, and from **4508** feet to **6740** feet
Cable tools were used from feet to feet, and from feet to feet

DATES

1-7- **58** 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 **3,197,000** Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in. **1123** **A.O.F.—4463 MCF/D**

EMPLOYEES

Driller Driller
Driller Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	3120	3120	Tan to gry cr-grn ss interbedded w/gry sh.
3120	3215	95	Ojo Alamo ss. White cr-grn s.
3215	4130	915	Kirtland form. Gry, sh interbedded w/tight gry fine-grn ss.
4130	4305	175	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, finr-grn ss.
4305	4445	140	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
4445	6095	1650	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
6095	6160	65	Cliff House ss. Gry, fine-grn, dense sil ss.
6160	6462	302	Menefee form. Gry, fine-grn s, carb sh and coal.
6462	6680	218	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
6680	6740	60	Mancos formation. Gry carb sh.

RECEIVED
MAR 7 1958
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

FROM-	TO-	TOTAL FEET	FORMATION
			1. 0-10' Sandstone, medium to coarse grained, yellowish brown, silty, fossiliferous, contains small pebbles of quartz and chert. 2. 10-20' Sandstone, medium to coarse grained, yellowish brown, silty, fossiliferous, contains small pebbles of quartz and chert. 3. 20-30' Sandstone, medium to coarse grained, yellowish brown, silty, fossiliferous, contains small pebbles of quartz and chert. 4. 30-40' Sandstone, medium to coarse grained, yellowish brown, silty, fossiliferous, contains small pebbles of quartz and chert. 5. 40-50' Sandstone, medium to coarse grained, yellowish brown, silty, fossiliferous, contains small pebbles of quartz and chert. 6. 50-60' Sandstone, medium to coarse grained, yellowish brown, silty, fossiliferous, contains small pebbles of quartz and chert. 7. 60-70' Sandstone, medium to coarse grained, yellowish brown, silty, fossiliferous, contains small pebbles of quartz and chert. 8. 70-80' Sandstone, medium to coarse grained, yellowish brown, silty, fossiliferous, contains small pebbles of quartz and chert. 9. 80-90' Sandstone, medium to coarse grained, yellowish brown, silty, fossiliferous, contains small pebbles of quartz and chert. 10. 90-100' Sandstone, medium to coarse grained, yellowish brown, silty, fossiliferous, contains small pebbles of quartz and chert.

7D 6740, 6770 6703. Fraced Lower Point Lookout perforated Int. 6608-10,
 6614-20, 6630-40, 6662-74, 6674-90 (2397) w/42,660 gal. water & 23,160#
 sand. BNG 1500#, Ma. pr. 2000#, WAB. tr. pr. 1850-1900-2000-2000#
 I.R. 67.5 BPM. Flush 11,970 gal. water. Injected 4 sets balls (12 balls/set)
 Set temporary bridge piling a 6590. Fraced Cliff House and Upper Point Lookout
 out perf. Int. 6142-60, 6462-78, 6494-6516, 6544-54, 6566-74 (2387)
 w/49,770 gal. water & 37,380# sand. BD 1600#, Max. pr. 2000#, WAB. tr.
 pr. 1650-1700-1750-1800-1850-1900#. I.R. 72.2 BPM. Flush 11,390 gal.
 water. Injected 7 sets balls (14 balls/set).

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