

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078503
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 Marshall Field Blanco State New Mexico
Well No. 3 Sec. 31 T. 29N R. 7W Meridian N. M. P. M. County Rio Arriba
Location 1460 ft. N. of S. Line and 1550 ft. E. of W. Line of Section 31 Elevation 6671'
(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 [Signature]

Date August 29, 1953 Title Petroleum Engineer

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

Commenced drilling 8-29-53, 19... Finished drilling 9-17-53, 19...

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3322 to 3376 (G) No. 4, from 5455 to 5606 (G)
No. 2, from 4936 to 5100 (G) No. 5, from _____ to _____
No. 3, from 5100 to 5455 (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		Purpose
							From—	To—	
9-5/8	25.4	3.0	Armco	162	Howco				Surface
7	28	3.0	Armco	4936	Howco				Prod. Log.
7	28	3.0	Armco	4936	Howco				Prod. Log.
2"	4.7	8 rd	Youngs	5509					Prod. Log.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	175	125	Circulated		
7	4863	500	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
Quart	Regular	S.N.G.	1605	9-18-53	4976-5606	5606

TOOLS USED

Rotary tools were used from _____ feet to 4863 feet, and from 4863 feet to 5606 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

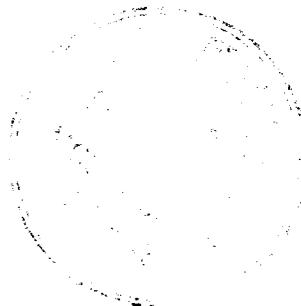
Put to producing _____, 19...
The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____
If gas well, cu. ft. per 24 hours 3,210,000 Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 991

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

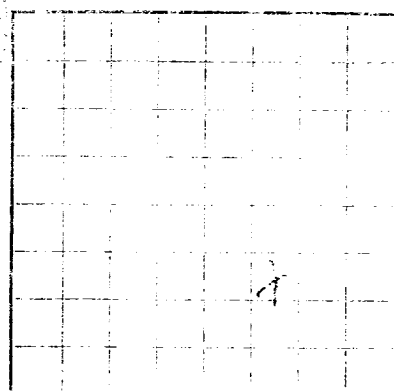
FROM—	TO—	TOTAL FEET	FORMATION
0	746	746	Tan cr-grn ss w/thin sh breaks.
746	1370	624	Variegated sh w/thin ss breaks.
1370	2352	982	Tan to gry cr-grn ss interbedded w/gry sh.
2352	2514	162	Ojo Alamo ss. White cr-grn s.
2514	3050	536	Wetland formation. Gry sh interbedded w/tight g.y fine-grn ss.
3050	3322	272	Fruitland formation. Gry carb sh, scattered coals
3322	3376	54	coals and gry, tight, fine-grn ss.
3376	4936	1560	Pictured Cliffs formation. Gry, fine-grn, tight, varicolored soft ss.
4936	5100	164	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
5100	5455	355	Cliff House ss. Gry, fine-grn, dense sil ss.
5455	5606	151	Manefee formation. Gry, fine-grn s, carb sh and coal.
			Point Lookout formation. Gry, very fine sil ss w/frequent sh breaks.
			Manefee formation. Gry carb sh.
			Ojo Alamo 2352 Manefee 5100
			Kirtland 2514 Pt. Lookout 5455
			Fruitland 3050
			Pict. Cliffs 3322
			Lewis 3376
			Cliff House 4936



U.S. Land Office
District of Columbia
Washington, D.C.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



NOT REWELT CORRECTLY

The information given herein is a complete and correct record of the well and all work done thereon
as far as can be determined from all available records.

Signed _____

Location of _____ of _____ Line and _____
Well No. _____ Sec. _____ T. _____ R. _____ S. _____
Lessor or Trustee _____ Field _____ State _____ County _____
Company _____ Address _____

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

This _____

OIL OR GAS SANDS OR ZONES

(0 not applicable)

No. 2 from _____ to _____
No. 3 from _____ to _____
No. 4 from _____ to _____
No. 5 from _____ to _____
No. 6 from _____ to _____

UNSUBSTANTIAL WATER SANDS

to of
to of

CASING RECORD

Size Weight per foot	Threads per inch	Make	Amount	Kind of steel	Cut and pulled from	Perforated To	Purpose

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.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE 16-53094-2

MILITARY AND CEMENTING RECORD

[illegible]

PLUGS AND ADAPTERS

Length	Depth set
Size	

SHOOTING RECORD

[illegible]

RESULTS

[illegible]

27740

The production for the first 24 hours was 100,000 barrels of oil and 100,000 barrels of gas. The production for the first 24 hours was 100,000 barrels of oil and 100,000 barrels of gas.

EMPLOYEES

Director	Director
Director	Director

FORMATTION RECORD

[illegible]

FORMATION RECORD—Continued