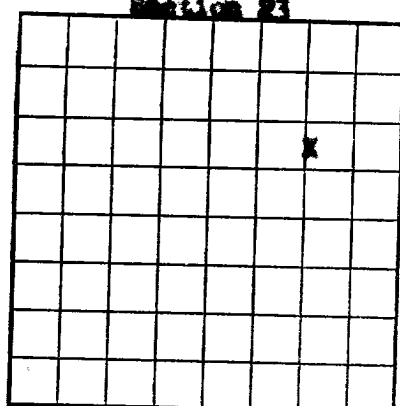


U. S. LAND OFFICE

SERIAL NUMBER

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 Riddle Field Bianco State New Mexico
Well No. 2-3 Sec 23 T. 30N R. 10W Meridian N. M. P. M. County San Juan
Location 1650 ft (N) of N Line and 590 ft (E) of E Line of Section 23 Elevation 6299
(Derive 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.

Original Signed

Signed

L. F. Stone

Date October 7, 1952

Title

Petroleum Engineer

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

Commenced drilling May 7, 1952 Finished drilling September 10, 1952

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2902 to 2976 (G) No. 4, from _____ to _____
No. 2, from 4501 to 5272 (G) No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 1650 to 1742 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	26.15	8	Armco	106	Armco	Surface			Production
7	23	8	Young	500	Young	Production			Production
2 1/2	4.7	8	Young	500	Young	Production			Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	174	125	Single Circulated		
7	4460	300	Single		

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
4 1/2	Regular	S.N.G.	1785	9-11	4521-5281	5281

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from Gas Circulation feet to _____ feet
Cable tools were used from _____ feet to 4460 feet, and from _____ feet to 5282 feet

DATES

Put to producing _____, 1952

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 2,630,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 1083 psi

EMPLOYEES

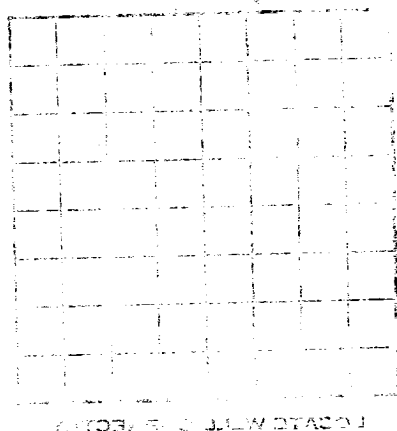
_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	574	574	Tan coarse-grn. ss. w/thin shale breaks.
574	1222	648	Variog. shales w/thin ss. breaks.
1222	1650	428	Tan to gray coarse-grn. ss. interbedded w/gray shales.
1650	1742	92	0.6 Alamo ss. White coarse-grn. ss. T/0.6 Alamo 1650.
1742	2608	866	Kirtland Fm. Gray shale interbedded w/tight gray fine-grn. ss. T/Kirtland 1742.
2608	2902	294	Fruitland Fm. Gray carb. shales, scattered coals & gray, tight, fine-grn. ss. T/Fruitland 2608.
2902	2976	74	Pictured Cliffs Fm. Gray, fine-grn. tight, vari-colored soft ss. T/Pictured Cliffs 2902.
2976	4501	1525	Lewis Fm. Gray to white dense shale w/silty to shaly ss. breaks. T/Lewis 2976.
4501	4676	175	Cliff House ss. Gray, fine-grn. dense sil. ss. T/Cliff House 4501.
4676	5152	476	Mancos Fm. Gray, fine-grn. sands, carb. shales & coal. T/Mancos 4676.
5152	5272	120	Point Lookout Fm. Gray, very fine sil. ss. w/frequent shale breaks. T/Point Lookout 5152.
5272	5281 T.D.	9	Mancos Fm. Gray carb. shale. T/Mancos 5272.

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES



Company _____
Location _____
State _____
County _____
Section _____
Twp. _____
Range _____
The information given on this log is a condensed and corrected record of the well and of its location as far as can be determined from all available records.
Original Signed _____

1. F. Stone
The accompanying log is the condensed and corrected record of the well and of its location as far as can be determined from all available records.

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.

Size of casing	Weight per foot	Strands per inch	Make	Element	Kind of shoe	Cut and finish from	Perforated
No. 1 from _____	_____	_____	_____	_____	_____	_____	_____
No. 2 from _____	_____	_____	_____	_____	_____	_____	_____
No. 3 from _____	_____	_____	_____	_____	_____	_____	_____
No. 4 from _____	_____	_____	_____	_____	_____	_____	_____
No. 5 from _____	_____	_____	_____	_____	_____	_____	_____
No. 6 from _____	_____	_____	_____	_____	_____	_____	_____
No. 7 from _____	_____	_____	_____	_____	_____	_____	_____
No. 8 from _____	_____	_____	_____	_____	_____	_____	_____

Size of casing	Weight per foot	Strands per inch	Make	Element	Kind of shoe	Cut and finish from	Perforated
No. 1 from _____	_____	_____	_____	_____	_____	_____	_____
No. 2 from _____	_____	_____	_____	_____	_____	_____	_____
No. 3 from _____	_____	_____	_____	_____	_____	_____	_____
No. 4 from _____	_____	_____	_____	_____	_____	_____	_____
No. 5 from _____	_____	_____	_____	_____	_____	_____	_____
No. 6 from _____	_____	_____	_____	_____	_____	_____	_____
No. 7 from _____	_____	_____	_____	_____	_____	_____	_____
No. 8 from _____	_____	_____	_____	_____	_____	_____	_____

HISTORY OF OIL OR GAS WELL

Size of casing	Weight per foot	Strands per inch	Make	Element	Kind of shoe	Cut and finish from	Perforated
No. 1 from _____	_____	_____	_____	_____	_____	_____	_____
No. 2 from _____	_____	_____	_____	_____	_____	_____	_____
No. 3 from _____	_____	_____	_____	_____	_____	_____	_____
No. 4 from _____	_____	_____	_____	_____	_____	_____	_____
No. 5 from _____	_____	_____	_____	_____	_____	_____	_____
No. 6 from _____	_____	_____	_____	_____	_____	_____	_____
No. 7 from _____	_____	_____	_____	_____	_____	_____	_____
No. 8 from _____	_____	_____	_____	_____	_____	_____	_____

SHOOTING RECORD

Size of casing	Weight per foot	Strands per inch	Make	Element	Kind of shoe	Cut and finish from	Perforated
No. 1 from _____	_____	_____	_____	_____	_____	_____	_____
No. 2 from _____	_____	_____	_____	_____	_____	_____	_____
No. 3 from _____	_____	_____	_____	_____	_____	_____	_____
No. 4 from _____	_____	_____	_____	_____	_____	_____	_____
No. 5 from _____	_____	_____	_____	_____	_____	_____	_____
No. 6 from _____	_____	_____	_____	_____	_____	_____	_____
No. 7 from _____	_____	_____	_____	_____	_____	_____	_____
No. 8 from _____	_____	_____	_____	_____	_____	_____	_____

FORMATION RECORD

Size of casing	Weight per foot	Strands per inch	Make	Element	Kind of shoe	Cut and finish from	Perforated
No. 1 from _____	_____	_____	_____	_____	_____	_____	_____
No. 2 from _____	_____	_____	_____	_____	_____	_____	_____
No. 3 from _____	_____	_____	_____	_____	_____	_____	_____
No. 4 from _____	_____	_____	_____	_____	_____	_____	_____
No. 5 from _____	_____	_____	_____	_____	_____	_____	_____
No. 6 from _____	_____	_____	_____	_____	_____	_____	_____
No. 7 from _____	_____	_____	_____	_____	_____	_____	_____
No. 8 from _____	_____	_____	_____	_____	_____	_____	_____

EMPLOYEES

Size of casing	Weight per foot	Strands per inch	Make	Element	Kind of shoe	Cut and finish from	Perforated
No. 1 from _____	_____	_____	_____	_____	_____	_____	_____
No. 2 from _____	_____	_____	_____	_____	_____	_____	_____
No. 3 from _____	_____	_____	_____	_____	_____	_____	_____
No. 4 from _____	_____	_____	_____	_____	_____	_____	_____
No. 5 from _____	_____	_____	_____	_____	_____	_____	_____
No. 6 from _____	_____	_____	_____	_____	_____	_____	_____
No. 7 from _____	_____	_____	_____	_____	_____	_____	_____
No. 8 from _____	_____	_____	_____	_____	_____	_____	_____

FORMATION RECORD

Size of casing	Weight per foot	Strands per inch	Make	Element	Kind of shoe	Cut and finish from	Perforated
No. 1 from _____	_____	_____	_____	_____	_____	_____	_____
No. 2 from _____	_____	_____	_____	_____	_____	_____	_____
No. 3 from _____	_____	_____	_____	_____	_____	_____	_____
No. 4 from _____	_____	_____	_____	_____	_____	_____	_____
No. 5 from _____	_____	_____	_____	_____	_____	_____	_____
No. 6 from _____	_____	_____	_____	_____	_____	_____	_____
No. 7 from _____	_____	_____	_____	_____	_____	_____	_____
No. 8 from _____	_____	_____	_____	_____	_____	_____	_____

FORMATION RECORD

Size of casing	Weight per foot	Strands per inch	Make	Element	Kind of shoe	Cut and finish from	Perforated
No. 1 from _____	_____	_____	_____	_____	_____	_____	_____
No. 2 from _____	_____	_____	_____	_____	_____	_____	_____
No. 3 from _____	_____	_____	_____	_____	_____	_____	_____
No. 4 from _____	_____	_____	_____	_____	_____	_____	_____
No. 5 from _____	_____	_____	_____	_____	_____	_____	_____
No. 6 from _____	_____	_____	_____	_____	_____	_____	_____
No. 7 from _____	_____	_____	_____	_____	_____	_____	_____
No. 8 from _____	_____	_____	_____	_____	_____	_____	_____

FORMATION RECORD

Size of casing	Weight per foot	Strands per inch	Make	Element	Kind of shoe	Cut and finish from	Perforated
No. 1 from _____	_____	_____	_____	_____	_____	_____	_____
No. 2 from _____	_____	_____	_____	_____	_____	_____	_____
No. 3 from _____	_____	_____	_____	_____	_____	_____	_____
No. 4 from _____	_____	_____	_____	_____	_____	_____	_____
No. 5 from _____	_____	_____	_____	_____	_____	_____	_____
No. 6 from _____	_____	_____	_____	_____	_____	_____	_____
No. 7 from _____	_____	_____	_____	_____	_____	_____	_____
No. 8 from _____	_____	_____	_____	_____	_____	_____	_____