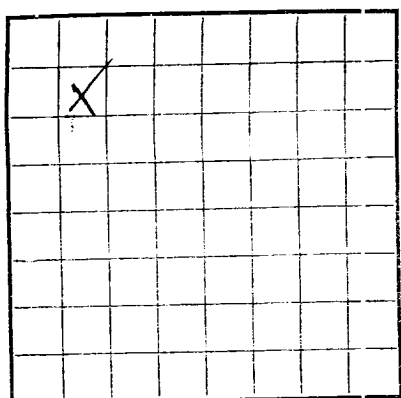


U. S. LAND OFFICE
SERIAL NUMBER **Santa Fe**
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **El Paso Natural Gas Co.** Address **Box 997 Farmington**
Lessor or Tract **Schumacher** Field **Astec** State **New Mexico**
Well No. **1** Sec. **17** R. **30** Meridian **N.M.P.M.** County **San Juan**
Location **5** ft. [N. 17 30] Line and **10** ft. [E. W.] of **Section 17** Elevation **6397**
The information given herewith is a complete correct record of the well and all work done thereon so far as can be determined from all available records.

Signed _____ Title **J. J. Tallock**
Date _____ **Petroleum Engineer**
The sum **February 16, 1953** for the condition of the well at above date.

Commenced drilling _____, 19____ Finished drilling _____, 19____
December 28 **January 14**
52 **53**
OIL OR GAS SANDS OR ZONES

(Denote gas by G)
No. 1, from _____ to _____ No. 4, from _____ to _____
No. 2, from **2952** to **3002 (G)** No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from **1505** to **1705** 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—	
8 5/8	24	8	J-55	109	NEW 00				Surface
5 1/2	15.5	8	J-55	2950	NEW 00				Prod. Tubg.
1	1.68	8	Std Bk	3041					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	109	75	Circulated		
5 1/2	2950	150	Sing. 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.W.G.	290	1-15-53	2952-3058	3041

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from **0** feet to **2950** feet, and from _____ feet to _____ feet

Put to producing _____, 19____
January 17, 19 **53**

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

Rock pressure, lbs. per sq. in. **162 MCF/D**
709 psi

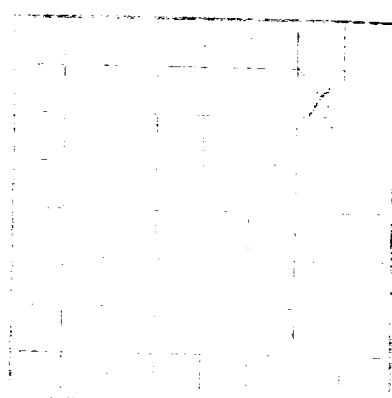
EMPLOYEES
_____, Driller
_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	805	805	Tan cr-grn ss w/thin sh breaks.
805	1105	300	Vari sh w/thin ss breaks.
1105	1505	400	Tan to gry cr-grn ss interbedded w/gry sh.
1505	1705	200	Ojo Alamo ss. sh cr-grn s. Top Ojo Alamo 1505.
1705	2587	882	Kirtland formation. Gry sh interbedded w/tight gry fine-grn ss. Top Kirtland 1705.
2587	2952	365	Fruitland formation. Gry carb sh, scattered coals and gry, tight, fine-grn ss. Top Fruitland 2587.
2952	3002	50	Pictured Cliffs formation. Gry, fine-grn, tight, varicolored soft ss. Top Pictured Cliffs 2952.
3002	3068	66	Lewis formation. Gry to sh dense sh w/silty to shaly ss breaks. Top Lewis 3002.

UNITED STATES
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GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



Location of well, Township, Range, and Section, and the name of the owner of the well, and the name of the person who drilled the well, and the date when the well was drilled, and the depth of the well, and the nature of the formation penetrated, and the results of the tests made, and the name of the person who made the tests, and the date when the tests were made, and the name of the person who made the log, and the date when the log was made.

[Signature]
The undersigned certifies that the foregoing is a true and correct copy of the original log of the well, and that the same has been filed for record in the office of the Surveyor General of the Territory of Oklahoma.

Completed drilling on this date, 1908, and the name of the person who drilled the well, and the date when the well was drilled, and the depth of the well, and the nature of the formation penetrated, and the results of the tests made, and the name of the person who made the tests, and the date when the tests were made, and the name of the person who made the log, and the date when the log was made.

OIL OR GAS SANDS OR ZONES

(Describe by foot)

No. 1, from _____ to _____ feet
No. 2, from _____ to _____ feet
No. 3, from _____ to _____ feet

IMPORTANT WATER SANDS

No. 1, from _____ to _____ feet
No. 2, from _____ to _____ feet

CASING RECORD

Section	Depth	Material	Remarks
1	0 to 10	Steel	
2	10 to 20	Steel	
3	20 to 30	Steel	

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 pigs or bridges were put in, state kind of material used, position, and results of pumping or testing.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

FOOT DEEP

FROM-	TO-	TOTAL FEET	FORMATION
0	10	10	Steel
10	20	20	Steel
20	30	30	Steel
30	40	40	Steel
40	50	50	Steel
50	60	60	Steel
60	70	70	Steel
70	80	80	Steel
80	90	90	Steel
90	100	100	Steel
100	110	110	Steel
110	120	120	Steel
120	130	130	Steel
130	140	140	Steel
140	150	150	Steel
150	160	160	Steel
160	170	170	Steel
170	180	180	Steel
180	190	190	Steel
190	200	200	Steel
200	210	210	Steel
210	220	220	Steel
220	230	230	Steel
230	240	240	Steel
240	250	250	Steel
250	260	260	Steel
260	270	270	Steel
270	280	280	Steel
280	290	290	Steel
290	300	300	Steel
300	310	310	Steel
310	320	320	Steel
320	330	330	Steel
330	340	340	Steel
340	350	350	Steel
350	360	360	Steel
360	370	370	Steel
370	380	380	Steel
380	390	390	Steel
390	400	400	Steel
400	410	410	Steel
410	420	420	Steel
420	430	430	Steel
430	440	440	Steel
440	450	450	Steel
450	460	460	Steel
460	470	470	Steel
470	480	480	Steel
480	490	490	Steel
490	500	500	Steel
500	510	510	Steel
510	520	520	Steel
520	530	530	Steel
530	540	540	Steel
540	550	550	Steel
550	560	560	Steel
560	570	570	Steel
570	580	580	Steel
580	590	590	Steel
590	600	600	Steel
600	610	610	Steel
610	620	620	Steel
620	630	630	Steel
630	640	640	Steel
640	650	650	Steel
650	660	660	Steel
660	670	670	Steel
670	680	680	Steel
680	690	690	Steel
690	700	700	Steel
700	710	710	Steel
710	720	720	Steel
720	730	730	Steel
730	740	740	Steel
740	750	750	Steel
750	760	760	Steel
760	770	770	Steel
770	780	780	Steel
780	790	790	Steel
790	800	800	Steel
800	810	810	Steel
810	820	820	Steel
820	830	830	Steel
830	840	840	Steel
840	850	850	Steel
850	860	860	Steel
860	870	870	Steel
870	880	880	Steel
880	890	890	Steel
890	900	900	Steel
900	910	910	Steel
910	920	920	Steel
920	930	930	Steel
930	940	940	Steel
940	950	950	Steel
950	960	960	Steel
960	970	970	Steel
970	980	980	Steel
980	990	990	Steel
990	1000	1000	Steel