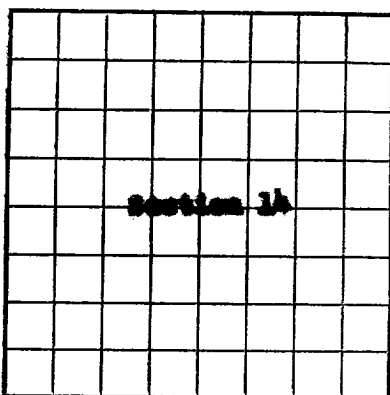


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 075415
LEASE OR PERMIT TO PROSPECT _____UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Company Address P.O. Box 997, Farmington, New Mexico
Lessor or Tract Rocky Field Blanco-La Plata State New Mexico
Well No. 2-4 Sec. 14 T. 35N R. 8W Meridian N. M. P. M. County San Juan
Location 990 ft. ^(N.) of 8 Line and 990 ft. ^(E.) of 14 Line of Section 14 Elevation 6748'
(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.

Signed [Signature]Date October 7, 1952Title Petroleum Engineer

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

Commenced drilling 3-9, 1952 Finished drilling 9-13, 1952

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3335 to 3465 (G) No. 4, from _____ to _____
No. 2, from 5027 to 5738 (G) No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 2410 to 2590 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—	
<u>2 3/8</u>	<u>13.3</u>	<u>8</u>	<u>Yong</u>	<u>779.85</u>	<u>10000</u>	<u>10000</u>			<u>Surface</u>
<u>2 1/2</u>	<u>16.7</u>	<u>8</u>	<u>Yong</u>	<u>779.85</u>	<u>10000</u>	<u>10000</u>			<u>Production</u>
									<u>Prod. Log.</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>2 3/8</u>	<u>147</u>	<u>100</u>	<u>Circulated</u>		
<u>2 1/2</u>	<u>9021</u>	<u>100</u>	<u>Single Stage</u>		

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
<u>9 1/2</u>	<u>Rag</u>	<u>S.M.C.</u>	<u>1420</u>	<u>9-14-52</u>	<u>5130-5776</u>	<u>5776</u>

TOOLS USED

Rotary tools were used from 0 feet to 5021 feet, and from 5021 feet to 5776 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

September 23, 1952 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 3,990,000 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 1,068

EMPLOYEES

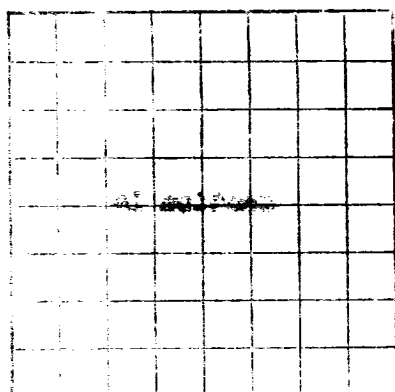
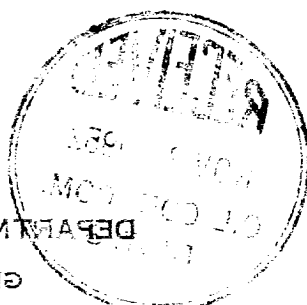
_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>1058</u>	<u>1058</u>	<u>Tan cr-gr ss w/ thin sh breaks.</u>
<u>1058</u>	<u>1990</u>	<u>892</u>	<u>Variog sh w/ thin ss breaks.</u>
<u>1990</u>	<u>2410</u>	<u>460</u>	<u>Tan to gry cr-gr ss interbedded w/ gry sh.</u>
<u>2410</u>	<u>2590</u>	<u>140</u>	<u>Ojo Alamo sandstone. White cr-gr sd. T/Ojo Alamo 2410.</u>
<u>2591</u>	<u>3132</u>	<u>581</u>	<u>Kirtland formation. Gry sh interbedded w/ tight gry f-gr ss. T/Kirtland 2591.</u>
<u>3132</u>	<u>3385</u>	<u>253</u>	<u>Fruitland formation. Gry carb sh, scattered coals & gry, tight, f-gr ss. T/Fruitland 3132.</u>
<u>3385</u>	<u>3465</u>	<u>80</u>	<u>Pictured Cliffs formation. Gry, f-gr, tight, vari carb ss. T/Pictured Cliffs 3385.</u>
<u>3465</u>	<u>5027</u>	<u>1562</u>	<u>Lewis formation. Gry to white dense sh w/ silty to shly ss breaks. T/Lewis 3465.</u>
<u>5027</u>	<u>5172</u>	<u>145</u>	<u>Cliff House sandstone. Gry, f-gr, dense sil ss. T/Cliff House 5027.</u>
<u>5172</u>	<u>5625</u>	<u>453</u>	<u>Mancos formation. Gry, f-gr sd, carb sh & coal. T/Mancos 5172.</u>
<u>5625</u>	<u>5738</u>	<u>113</u>	<u>Point Lookout formation. Gry, v f sil ss w/ freq sh breaks. T/Point Lookout 5625.</u>
<u>5738</u>	<u>5776 TD</u>	<u>38</u>	<u>Mancos formation. Gry carb sh. T/Mancos 5738.</u>

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES



LOCATE WELL CORRECTLY

Form 9-289

Company _____
Lessor or Trust _____
Well No. _____
Location _____
The information given herewith is a complete and correct record of the well and all work done thereon
so far as can be determined by all available records.

Date _____
This summary on this page is for the completion of the well at above date.
Completed drilling _____

OIL OR GAS SANDS OR ZONES

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

IMPORTANT WATER SANDS

No. 1 from _____ to _____
No. 2 from _____ to _____

CASING RECORD

Casing	Weight per foot	Thickness per inch	Grade	Amount	Kind of shoe	Out and pulled from	From—	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 the results. If there were any changes made in the casing, state fully, and if any casing was substituted or left in the well, give its size and location. If the well has been dynamited, give date, position, and number of shots. If pipes of different sizes were used, state kind of material used, position, and results of pumping or bailing.									

HISTORY OF OIL OR GAS WELL

MUDGING AND CEMENTING RECORD									
Casing	Weight per foot	Thickness per inch	Grade	Amount	Kind of shoe	Out and pulled from	From—	To—	Purpose
SHOOLING RECORD									
Size	Kind used	Thickness used	Quantity	Date	Depth shot	Depth cleaned out			
TOOLS USED									
Rotary tools were used from _____ feet to _____ feet and from _____ feet to _____ feet.									
Cable tools were used from _____ feet to _____ feet.									
WATER									
But no production. _____ barrels of fluid of which _____ was oil. _____ Gravity, 28.6. _____ Gasoline per 1,000 cu. ft. of gas _____.									
EMPLOYEES									
Diller _____ Diller _____									
FORMATION RECORD									
FROM—	TO—	TOTAL FEET	FORMATION						
0	10	10	Gravelly sand						
10	20	20	Sand						
20	30	30	Sand						
30	40	40	Sand						
40	50	50	Sand						
50	60	60	Sand						
60	70	70	Sand						
70	80	80	Sand						
80	90	90	Sand						
90	100	100	Sand						
100	110	110	Sand						
110	120	120	Sand						
120	130	130	Sand						
130	140	140	Sand						
140	150	150	Sand						
150	160	160	Sand						
160	170	170	Sand						
170	180	180	Sand						
180	190	190	Sand						
190	200	200	Sand						
200	210	210	Sand						
210	220	220	Sand						
220	230	230	Sand						
230	240	240	Sand						
240	250	250	Sand						
250	260	260	Sand						
260	270	270	Sand						
270	280	280	Sand						
280	290	290	Sand						
290	300	300	Sand						
300	310	310	Sand						
310	320	320	Sand						
320	330	330	Sand						
330	340	340	Sand						
340	350	350	Sand						
350	360	360	Sand						
360	370	370	Sand						
370	380	380	Sand						
380	390	390	Sand						
390	400	400	Sand						
400	410	410	Sand						
410	420	420	Sand						
420	430	430	Sand						
430	440	440	Sand						
440	450	450	Sand						
450	460	460	Sand						
460	470	470	Sand						
470	480	480	Sand						
480	490	490	Sand						
490	500	500	Sand						
500	510	510	Sand						
510	520	520	Sand						
520	530	530	Sand						
530	540	540	Sand						
540	550	550	Sand						
550	560	560	Sand						
560	570	570	Sand						
570	580	580	Sand						
580	590	590	Sand						
590	600	600	Sand						
600	610	610	Sand						
610	620	620	Sand						
620	630	630	Sand						
630	640	640	Sand						
640	650	650	Sand						
650	660	660	Sand						
660	670	670	Sand						
670	680	680	Sand						
680	690	690	Sand						
690	700	700	Sand						
700	710	710	Sand						
710	720	720	Sand						
720	730	730	Sand						
730	740	740	Sand						
740	750	750	Sand						
750	760	760	Sand						
760	770	770	Sand						
770	780	780	Sand						
780	790	790	Sand						
790	800	800	Sand						
800	810	810	Sand						
810	820	820	Sand						
820	830	830	Sand						
830	840	840	Sand						
840	850	850	Sand						
850	860	860	Sand						
860	870	870	Sand						
870	880	880	Sand						
880	890	890	Sand						
890	900	900	Sand						
900	910	910	Sand						
910	920	920	Sand						
920	930	930	Sand						
930	940	940	Sand						
940	950	950	Sand						
950	960	960	Sand						
960	970	970	Sand						
970	980	980	Sand						
980	990	990	Sand						
990	1000	1000	Sand						