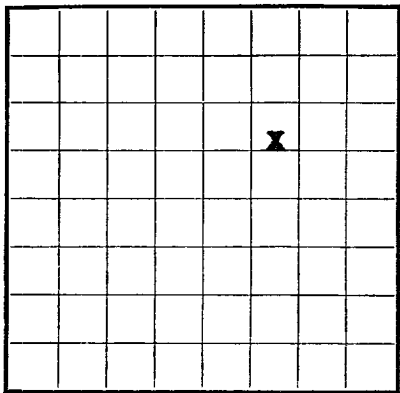
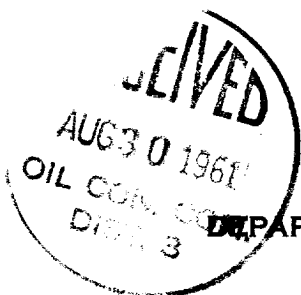




LOCATE WELL CORRECTLY



U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078096
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 990, Farmington, New Mexico
Lessor or Tract Mudge Field Blanco M.V. & Basin Dakota State New Mexico
Well No. 13 (MR) T. 31 R. 11 Meridian N.M.P.M. County San Juan
Location 1500 ft. N of N Line and 1775 ft. E of E Line of Section 20 Elevation 6146
(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 Original Signed R. G. MILLER

Date August 28, 1961 Title Petroleum Engineer

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

Commenced drilling 2-26-55, 1955 Finished drilling 6-6-61, 1961

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 4340 to 4437 (G) No. 4, from 7024 to 7086 (G)
No. 2, from 4437 to 4980 (G) No. 5, from 7223 to 7398 (G)
No. 3, from 6313 to 7024 No. 6, from _____ to _____
No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____
No. 5, from _____ to _____ No. 6, from _____ to _____

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	8 rd	J-55	1274	Baker	OK OK CV2 METT		Surface casing
7"	15.5	8 rd	J-55	2249	Baker			Intermediate casing
5 1/2"	11.3	8 rd	J-55	7248	Baker			Prod casing
4"	2.6	8 rd	J-55	5108	Baker			Prod liner
2 1/16"	2.4	8 rd	J-55		Baker			Prod tubing
1 1/4"		8 rd	J-55		Baker			Prod tubing

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	circulated		
7"	4904	500	single stage		
5 1/2"	7264	200	single stage		
4"	5758-7407	230	single stage		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size Baker Model "N" packer 5148"

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
See Well History						

TOOLS USED

Rotary tools were used from 0 feet to 4904 feet, and from 4904 feet to 7423 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

S.I. M.V. - 6-26-61, 1961 Put to producing _____, 1961
S.I. Dak. - 6-27-61, 1961

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 Dak. 1,975,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. M.V. 2,400,000

Dak. - 1939; M.V. - 653 A.O.F. - M.V. 2653
EMPLOYEES Dak. 2068 MCF/D

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1128	1128	Tan to gry cr-grn ss interbedded w/gry sh.
1128	2216	1088	Kirtland form Gry sh interbedded w/tight gry fine-grn ss.
2216	2730	514	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2730	4340	1610	Pictured Cliffs forms . Gry, fine-grn, tight, varicolored soft ss.
4340	4437	97	Cliff House ss. Gry, fine-grn, dense sil ss.
4437	4980	543	Maneefee form. Gry, fine-grn s, carb sh & cal.
4980	6313	1333	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
6313	7024	711	Gallup form. Lt gry to brn calc carb micac glauco very fine gry ss w/irreg. interbed sh.
7024	7086	62	Greenhorn form. Highly calc gry sh w/thin lmt.
7086	7223	137	Graneros form. Dk gry sh, fossil & carb w/prite incl.
7223	7398	175	Dakota form. Lt to dk gry foss carb sl calc sl silty ss w/prite incl thin sh bands clay & shale breaks.
7398	7423	25	Morrison form. Interbed grn brn & red waxy sh & fr to cr grn sand.

Company: El Paso Natural Gas Corporation
Address: Box 960, Amarillo, New Mexico
Field: Amarillo
State: New Mexico
County: Potter
Section: 30
Twp: 36S
Rng: 10E
Name of well: No. 1
Date of completion: 1-25-25
The information given hereon is a complete and correct record of the well and all work done thereon
no facts can be determined from all available records
By: J. H. Miller
The Amarillo District
The Amarillo District
The Amarillo District

Depth	From	To	Remarks
0	0	10	Gravel and sand, 1000 ft. from top of well.
10	10	20	Gravel and sand, 1000 ft. from top of well.
20	20	30	Gravel and sand, 1000 ft. from top of well.
30	30	40	Gravel and sand, 1000 ft. from top of well.
40	40	50	Gravel and sand, 1000 ft. from top of well.
50	50	60	Gravel and sand, 1000 ft. from top of well.
60	60	70	Gravel and sand, 1000 ft. from top of well.
70	70	80	Gravel and sand, 1000 ft. from top of well.
80	80	90	Gravel and sand, 1000 ft. from top of well.
90	90	100	Gravel and sand, 1000 ft. from top of well.

Depth	From	To	Remarks
100	100	110	Gravel and sand, 1000 ft. from top of well.
110	110	120	Gravel and sand, 1000 ft. from top of well.
120	120	130	Gravel and sand, 1000 ft. from top of well.
130	130	140	Gravel and sand, 1000 ft. from top of well.
140	140	150	Gravel and sand, 1000 ft. from top of well.
150	150	160	Gravel and sand, 1000 ft. from top of well.
160	160	170	Gravel and sand, 1000 ft. from top of well.
170	170	180	Gravel and sand, 1000 ft. from top of well.
180	180	190	Gravel and sand, 1000 ft. from top of well.
190	190	200	Gravel and sand, 1000 ft. from top of well.

Depth	From	To	Remarks
200	200	210	Gravel and sand, 1000 ft. from top of well.
210	210	220	Gravel and sand, 1000 ft. from top of well.
220	220	230	Gravel and sand, 1000 ft. from top of well.
230	230	240	Gravel and sand, 1000 ft. from top of well.
240	240	250	Gravel and sand, 1000 ft. from top of well.
250	250	260	Gravel and sand, 1000 ft. from top of well.
260	260	270	Gravel and sand, 1000 ft. from top of well.
270	270	280	Gravel and sand, 1000 ft. from top of well.
280	280	290	Gravel and sand, 1000 ft. from top of well.
290	290	300	Gravel and sand, 1000 ft. from top of well.

Depth	From	To	Remarks
300	300	310	Gravel and sand, 1000 ft. from top of well.
310	310	320	Gravel and sand, 1000 ft. from top of well.
320	320	330	Gravel and sand, 1000 ft. from top of well.
330	330	340	Gravel and sand, 1000 ft. from top of well.
340	340	350	Gravel and sand, 1000 ft. from top of well.
350	350	360	Gravel and sand, 1000 ft. from top of well.
360	360	370	Gravel and sand, 1000 ft. from top of well.
370	370	380	Gravel and sand, 1000 ft. from top of well.
380	380	390	Gravel and sand, 1000 ft. from top of well.
390	390	400	Gravel and sand, 1000 ft. from top of well.

Depth	From	To	Remarks
400	400	410	Gravel and sand, 1000 ft. from top of well.
410	410	420	Gravel and sand, 1000 ft. from top of well.
420	420	430	Gravel and sand, 1000 ft. from top of well.
430	430	440	Gravel and sand, 1000 ft. from top of well.
440	440	450	Gravel and sand, 1000 ft. from top of well.
450	450	460	Gravel and sand, 1000 ft. from top of well.
460	460	470	Gravel and sand, 1000 ft. from top of well.
470	470	480	Gravel and sand, 1000 ft. from top of well.
480	480	490	Gravel and sand, 1000 ft. from top of well.
490	490	500	Gravel and sand, 1000 ft. from top of well.

Depth	From	To	Remarks
500	500	510	Gravel and sand, 1000 ft. from top of well.
510	510	520	Gravel and sand, 1000 ft. from top of well.
520	520	530	Gravel and sand, 1000 ft. from top of well.
530	530	540	Gravel and sand, 1000 ft. from top of well.
540	540	550	Gravel and sand, 1000 ft. from top of well.
550	550	560	Gravel and sand, 1000 ft. from top of well.
560	560	570	Gravel and sand, 1000 ft. from top of well.
570	570	580	Gravel and sand, 1000 ft. from top of well.
580	580	590	Gravel and sand, 1000 ft. from top of well.
590	590	600	Gravel and sand, 1000 ft. from top of well.

Depth	From	To	Remarks
600	600	610	Gravel and sand, 1000 ft. from top of well.
610	610	620	Gravel and sand, 1000 ft. from top of well.
620	620	630	Gravel and sand, 1000 ft. from top of well.
630	630	640	Gravel and sand, 1000 ft. from top of well.
640	640	650	Gravel and sand, 1000 ft. from top of well.
650	650	660	Gravel and sand, 1000 ft. from top of well.
660	660	670	Gravel and sand, 1000 ft. from top of well.
670	670	680	Gravel and sand, 1000 ft. from top of well.
680	680	690	Gravel and sand, 1000 ft. from top of well.
690	690	700	Gravel and sand, 1000 ft. from top of well.

Depth	From	To	Remarks
700	700	710	Gravel and sand, 1000 ft. from top of well.
710	710	720	Gravel and sand, 1000 ft. from top of well.
720	720	730	Gravel and sand, 1000 ft. from top of well.
730	730	740	Gravel and sand, 1000 ft. from top of well.
740	740	750	Gravel and sand, 1000 ft. from top of well.
750	750	760	Gravel and sand, 1000 ft. from top of well.
760	760	770	Gravel and sand, 1000 ft. from top of well.
770	770	780	Gravel and sand, 1000 ft. from top of well.
780	780	790	Gravel and sand, 1000 ft. from top of well.
790	790	800	Gravel and sand, 1000 ft. from top of well.

Depth	From	To	Remarks
800	800	810	Gravel and sand, 1000 ft. from top of well.
810	810	820	Gravel and sand, 1000 ft. from top of well.
820	820	830	Gravel and sand, 1000 ft. from top of well.
830	830	840	Gravel and sand, 1000 ft. from top of well.
840	840	850	Gravel and sand, 1000 ft. from top of well.
850	850	860	Gravel and sand, 1000 ft. from top of well.
860	860	870	Gravel and sand, 1000 ft. from top of well.
870	870	880	Gravel and sand, 1000 ft. from top of well.
880	880	890	Gravel and sand, 1000 ft. from top of well.
890	890	900	Gravel and sand, 1000 ft. from top of well.

Depth	From	To	Remarks
900	900	910	Gravel and sand, 1000 ft. from top of well.
910	910	920	Gravel and sand, 1000 ft. from top of well.
920	920	930	Gravel and sand, 1000 ft. from top of well.
930	930	940	Gravel and sand, 1000 ft. from top of well.
940	940	950	Gravel and sand, 1000 ft. from top of well.
950	950	960	Gravel and sand, 1000 ft. from top of well.
960	960	970	Gravel and sand, 1000 ft. from top of well.
970	970	980	Gravel and sand, 1000 ft. from top of well.
980	980	990	Gravel and sand, 1000 ft. from top of well.
990	990	1000	Gravel and sand, 1000 ft. from top of well.