

U. S. LAND OFFICE ... Santa Fe

SERIAL NUMBER 079393

LEASE OR PERMIT TO PROSPECT

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FEB 19 1962

OIL CON. COM.
TEST 3

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED

U. S. GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company E. Paso Natural Gas Company Address Box 990, Farmington, New Mexico
 Lessor or Tract San Juan 27-5 Unit Field Blanco N.V. Basin Dakota State New Mexico
 Well No. 59(MD) Sec. 6 T. 27-NR5-W Meridian N.M.P.M. County Rio Arriba
 Location 990 ft. N of N Line and 800 ft. W of E Line of Section 6 Elevation 6504
(Drill's location on plat)

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.

OR G NAL SIGNED E. S. OBERLY

Date February 13, 1962

Title **Petroleum Engineer**

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

Commenced drilling 11-6- 19 61 Finished drilling 12-4- 19 61

OIL OR GAS SANDS OR ZONES

(Denote gas by $\odot$)

No. 1, from <u>4965</u>	to <u>5140 (a)</u>	No. 4, from <u>7462</u>	to <u>7592 (a)</u>
No. 2, from <u>5140</u>	to <u>5487 (d)</u>	No. 5, from <u>7592</u>	to <u>7838 (a)</u>
No. 3, from <u>5487</u>	to <u>5664 (e)</u>	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	Out and pulled from	Perforated		Purpose
							From—	To—	
9 5/8"	32.3	8 rd	H-40	280	HUSCO				Surface
4 1/2"	11.6	8 rd	J-55	2106	Baker				Taper String
5 1/2"	15.5	8 rd	J-55	5750	Baker				
2 1/16	3.25	8 rd	J-55	7392	Baker				Prod tubing
1 1/4"	2.3	8 rd	J-55	5591	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"	293	200	circulated		
5 1/2 "					
4 1/2"	7869	440	3 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
See Shooting Record on Back						

TOOLS USED

Rotary tools were used from 0 feet to 7670 feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

12-20-_____, 19 61 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 7,054,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. D-4,758,000

N-1105 cag.; D-2376 tbq.

_____, Driller

Driller _____ Driller _____

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2594	2594	Tan to gry cr-grn ss interbedded w/gry sh.
2594	2771	177	Ojo Alamo ss. White cr-grn s.
2771	3028	257	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
3028	3295	267	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3295	3365	70	Pictured Cliffs forms. Gry, fine-grn, tight, varicolored soft ss.
3365	4965	1600	Lewis form. Gry, fine-grn, dense sil ss.
4965	5140	175	Cliff House ss. Gry, fine-grn, dense sil ss.
5140	5487	347	Menefee form. Gry, fine-grn s, carb sh & coal.
5487	5624	137	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5624	6474	850	Mancos form. Gry carb sh.
6474	7404	930	Gallup form. Lt gry to brn calc carb micac glauco very fine gry ss w/irreg interbed sh.
7404	7462	58	Greenhorn form. Highly calc gry sh w/thin lmst.
7462	7592	130	Graneros form. Dk gry sh, fossil & carb w/prite incl.
7592	7838	246	Dakota form. Lt to dk gry fons carb sl calc sl silty ss w/prite incl thin sh bands clay & shale breaks.
7838	7870	32	Morrison form. Interbed grn brn & red waxy sh & fr to cr grn sd.

FOURMILLION RECORD—CONTINUED

1981 01 15

REMARKS - 1-2 THIRDS

NEW 240 40 40 70 200

Y19:00 C. J. C. 1993 1993

7652-98; 7670-46; Trac L. Dakota v/52,333 gal water, 25,000# sand. Flush w/8566 gal.
7682-88; 7698-7704; HRP 2200#, tr pr 3900-4000#. IR 19.5 RPM. Drop & sets of 12 balls
7710-16;
7500-08; 7530-38; Trac Graneros w/42,060 gal wr, 50,000# sand. Flush w/7880 gal.
7608-16; 7622-30; Max pr 4400#, tr pr 3800-4000#. IR 44.4 RPM. Dropped 1 set of 16 balls
5490-98; 5508-12; Trac Point Lookout v/60,000 gal water, 60,000# sand. Flush 6000 gal.
5524-28; 5550-54; HP 2700#, tr pr 2150-2100-2200-2400#. IR 53.2 RPM. Dropped 5
sets of 16 balls.
5560-64; 5588-96; Trac Cliff House v/35,400 gal water, 40,000# sand. Flush 5200 gal.
5092-5104; NP 1800#, tr pr 1800-1400#. IR 36.5 RPM. Dropped 2 sets of 24 balls.
5110-16; 5132-38;

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

FORMATION RECORD—Continued