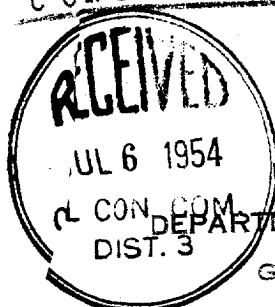
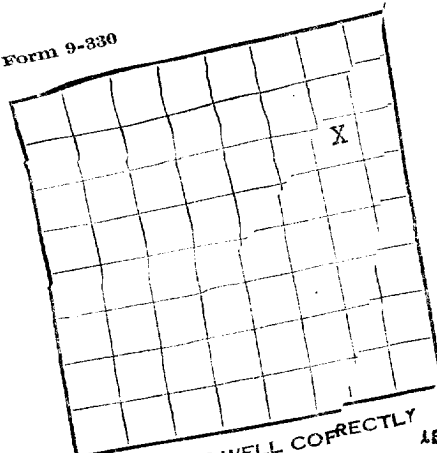


CONFIDENTIAL

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078051
LEASE OR PERMIT TO PROSPECT

Form 9-330



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MAY 21 1954
U.S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Field Blanco State New Mexico
Lessor or Tract Neil 1N R. 11W Meridian NMPM County San Juan
Well No. 8 Sec. 1 Line and 1050 ft. W. of E Line of Section 4 Elevation 6167'
Location 1815 ft. S with is a complete and correct record of the well and all work done thereon
The information from all available records. Signed S. Schulerman
so far as can be determined Title Petroleum Engineer

Date May 2 page is for the condition of the well at above date.
The well was completed February 1, 1954 Finished drilling April 7, 1954

COMMERCIAL OIL OR GAS SANDS OR ZONES
(Denote gas by G) (Denote oil by O)
2885 to 3005 (G) No. 4, from 2885 to 3005
4445 to 4675 (G) No. 5, from 4445 to 4675
5104 to 5235 (G) No. 6, from 5104 to 5235

IMPORTANT WATER SANDS
from to No. 3, from to
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	25.4	S.W.	Armedo	161'	Armedo				Surface
7	23	3 RD	Spang	2017'	Baker				Prod. Gas
7	20	3 RD	Spang	2017'	Baker				Prod. Gas
7	4.7	3 RD	Young	2017'	Baker				Prod. Tbg.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8	172'	125	Circulated		
7	4445	500	Single 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

TOOLS USED

Rotary tools were used from 0 feet to 4445 feet, and from 4445 feet to 5262 feet
Cable tools were used from feet to feet, and from feet to feet

DATES

April 9, 1954 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 5,011,000 Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in. 1047

EMPLOYEES

 , Driller , Driller
 , Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	745	745	Tan cr-grn ss w/thin sh breaks.
745	1045	300	Variegated sh w/thin ss breaks.
1045	1845	800	Tan to gry cr-grn ss interbedded w/gry sh.
1845	1920	75	Ojo Alamo ss. White cr-grn s.
1920	2463	543	Kirtland formation. Gry sh interbedded w/tight gry fine-grn ss.
2463	2885	422	Fruitland formation. Gry carb sh, scattered coals and gry, tight, fine-grn ss.
2885	3005	120	Pictured Cliff formation. Gry, fine-grn, tight varicolored soft ss.
3005	4445	1440	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4445	4675	230	Cliff House ss. Gry, fine-grn, dense sil ss.
4675	5104	429	Menefee formation. Gry, fine-grn s, carb sh and coal.
5104	5235	131	Point Lookout formation. Gry, very fine sil w/frequent sh breaks.
5235	5262	27	Mancos formation. Gry carb sh.

LOCATE WELL CORRECT

LOCATE WELL CORRECT

1. Initial depth 5262', interval treated 4920' - 5262'.
 2. Set Baker retainer at 4920' and treated Point Lookout formation with
 18,500 gallons #2 diesel oil and 9500# sand. Breakdown pressure 0,
 maximum pressure 1700#. Injection rate 6 barrels per minute. Flushed
 with 2,685 gallons oil. Interval Page (Point Lookout) 2,030 MCF.
 3. Age after treatment 4,450 MCF.

APR 11 1954

HISTORY OF OIL OR GAS WELL

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