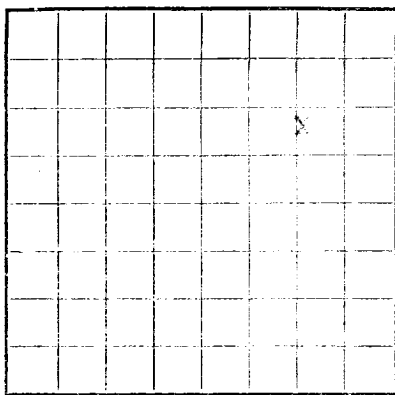




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa FeSERIAL NUMBER 078386LEASE OR PERMIT TO PROSPECT
14-08-001-569

UNITED STATES

DEPARTMENT OF THE INTERIOR
OIL CON. COM. GEOLOGICAL SURVEY
DIST. 3

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 927, Farmington, New Mexico
Lessor or Tract San Juan 32-9 Unit Field Blanco State New Mexico
Well No. 19 Sec. 17 T. 31N R. 9W Meridian NMPN County San Juan
Location 1650 ft. xxx of N Line and 990 ft. xxx of E Line of Section 17 Elevation 6566'
(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 School SchulerDate May 5, 1954Title Petroleum Engineer

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

Commenced drilling March 5, 1954 Finished drilling April 7, 1954

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3421 to 3467 (G) No. 4, from 5637 to 5790 (G)
No. 2, from 5253 to 5343 (G) No. 5, from _____ to _____
No. 3, from 5343 to 5637 (G) 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	Cut and pulled from	Perforated		Purpose
							From—	To—	
<u>2 5/8</u>	<u>25.4</u>	<u>B. & O.</u>	<u>Araco</u>	<u>161'</u>	<u>Araco</u>				<u>Surface</u>
<u>7</u>	<u>23</u>	<u>8 AD</u>	<u>Spanco</u>	<u>2001'</u>	<u>Baker</u>				<u>Prod. Csg.</u>
<u>7</u>	<u>20</u>	<u>8 AD</u>	<u>Spanco</u>	<u>3137'</u>	<u>Baker</u>				<u>Prod. Csg.</u>
<u>2</u>	<u>4.7</u>	<u>8 AD</u>	<u>Spanco</u>	<u>5790'</u>					<u>Prod. Tbg.</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>2 5/8</u>	<u>174'</u>	<u>125</u>	<u>Circulated</u>		
<u>7</u>	<u>5193'</u>	<u>500</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>Card-Oil, See Well History</u>				

TOOLS USED

Gas Drilling

Rotary tools were used from 0 feet to 5193 feet, and from 5193 feet to 5790 feet

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

DATES

_____ April 10, 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 3,937,000 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 1058

EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>1174</u>	<u>1174</u>	<u>Tan cr-grn ss w/thin sh breaks.</u>
<u>1174</u>	<u>1700</u>	<u>526</u>	<u>Variegated sh w/thin ss breaks.</u>
<u>1700</u>	<u>2432</u>	<u>732</u>	<u>Tan to gry cr-grn ss interbedded w/gry sh.</u>
<u>2432</u>	<u>2470</u>	<u>38</u>	<u>Ojo Alamo ss. White cr-grn s.</u>
<u>2470</u>	<u>3012</u>	<u>542</u>	<u>Kirtland formation. Gry sh interbedded w/tight gry fine-grn ss.</u>
<u>3012</u>	<u>3421</u>	<u>409</u>	<u>Fruitland formation. Gry carb sh, scattered coals and gry, tight, fine-grn ss.</u>
<u>3421</u>	<u>3467</u>	<u>66</u>	<u>Pictured Cliff formation. Gry, fine-grn, tight varicolored soft ss.</u>
<u>3467</u>	<u>5253</u>	<u>1766</u>	<u>Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.</u>
<u>5253</u>	<u>5343</u>	<u>90</u>	<u>Cliff House ss. Gry, fine-grn, dense sil ss.</u>
<u>5343</u>	<u>5637</u>	<u>294</u>	<u>Menefee formation. Gry, fine-grn s, carb sh and coal.</u>
<u>5637</u>	<u>5790</u>	<u>153</u>	<u>Point Lookout formation. Gry, very fine sil w/frequent sh breaks.</u>

27005 20 NOV 1964 09 159

April 5, 1954 Total depth 5350', interval treated 5198' - 5350'. Set Baker D.M. retainer at 5185' and treated Cliff House formation with 10,200 gallons #2 diesel oil and 8,500# sand. Breakdown pressure 1800#, maximum pressure 4000#. Injection rate 231 gallons per minute. Finished with 2,208 gallons oil. Natural gas 300 MCF. Gage 14 hours after treatment, 1680 MCF.

April 6, 1954 Total depth 5790', interval treated 5595' - 5790'. Set Baker Model "K" Retainer at 5595' and treated the Point Lookout formation with 19,000 gallons #2 diesel oil and 12,900# sand. Breakdown pressure 1700#, maximum pressure 1800#. Injection rate 5.5 barrels per minute. Natural gas (Point Lookout) 77 MCF. Gage 20 hours after treatment 3,400 MCF.

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 plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or balling.

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

FORMATION	TOTAL FEET	TO-	FROM-
1. ...	...	...	...
2. ...	...	...	...
3. ...	...	...	...
4. ...	...	...	...
5. ...	...	...	...
6. ...	...	...	...
7. ...	...	...	...
8. ...	...	...	...
9. ...	...	...	...
10. ...	...	...	...
11. ...	...	...	...
12. ...	...	...	...
13. ...	...	...	...
14. ...	...	...	...
15. ...	...	...	...
16. ...	...	...	...
17. ...	...	...	...
18. ...	...	...	...
19. ...	...	...	...
20. ...	...	...	...
21. ...	...	...	...
22. ...	...	...	...
23. ...	...	...	...
24. ...	...	...	...
25. ...	...	...	...
26. ...	...	...	...
27. ...	...	...	...
28. ...	...	...	...
29. ...	...	...	...
30. ...	...	...	...
31. ...	...	...	...
32. ...	...	...	...
33. ...	...	...	...
34. ...	...	...	...
35. ...	...	...	...
36. ...	...	...	...
37. ...	...	...	...
38. ...	...	...	...
39. ...	...	...	...
40. ...	...	...	...
41. ...	...	...	...
42. ...	...	...	...
43. ...	...	...	...
44. ...	...	...	...
45. ...	...	...	...
46. ...	...	...	...
47. ...	...	...	...
48. ...	...	...	...
49. ...	...	...	...
50. ...	...	...	...
51. ...	...	...	...
52. ...	...	...	...
53. ...	...	...	...
54. ...	...	...	...
55. ...	...	...	...
56. ...	...	...	...
57. ...	...	...	...
58. ...	...	...	...
59. ...	...	...	...
60. ...	...	...	...
61. ...	...	...	...
62. ...	...	...	...
63. ...	...	...	...
64. ...	...	...	...
65. ...	...	...	...
66. ...	...	...	...
67. ...	...	...	...
68. ...	...	...	...
69. ...	...	...	...
70. ...	...	...	...
71. ...	...	...	...
72. ...	...	...	...
73. ...	...	...	...
74. ...	...	...	...
75. ...	...	...	...
76. ...	...	...	...
77. ...	...	...	...
78. ...	...	...	...
79. ...	...	...	...
80. ...	...	...	...
81. ...	...	...	...
82. ...	...	...	...
83. ...	...	...	...
84. ...	...	...	...
85. ...	...	...	...
86. ...	...	...	...
87. ...	...	...	...
88. ...	...	...	...
89. ...	...	...	...
90. ...	...	...	...
91. ...	...	...	...
92. ...	...	...	...
93. ...	...	...	...
94. ...	...	...	...
95. ...	...	...	...
96. ...	...	...	...
97. ...	...	...	...
98. ...	...	...	...
99. ...	...	...	...
100. ...	...	...	...