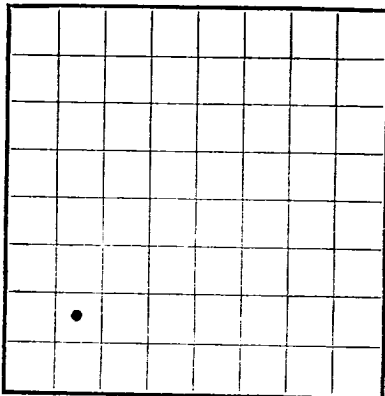




LOCATE WELL CORRECTLY

U. S. LAND OFFICE New Mexico
SERIAL NUMBER NM 08277
LEASE OR PERMIT TO PROSPECT _____UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Geo. D. Riggs Address Box 30, Carlsbad, New Mexico
Lessor or Tract Hughes- Fedral NM08277 Field wildcat State New Mexico
Well No. 2 Sec. 33 T. 20S R. 28E Meridian N.M.P.M. County Eddy
Location 990 ft. 1/2 of S Line and 990 ft. 1/2 of E Line of Sec. 33, 20-28 Elevation 3198
(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 Geo. D. Riggs
Date July 28, 1956 Title operator

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

Commenced drilling June 26, 1956 Finished drilling July 4, 1956OIL OR GAS SANDS OR ZONES NONE
(Denote gas by G)No. 1, from _____ to _____ No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____IMPORTANT WATER SANDS
No. 1, from 70 to 78 small No. 3, from _____ to _____
No. 2, from _____ to _____ amount No. 4, from _____ to _____
gyp wtr.

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<u>7"</u>	<u>20 #</u>	<u>8</u>	<u>used</u>	<u>80</u>	<u>reg</u>	<u>55</u>			<u>wtr. shutoff</u>
<u>5 1/2"</u>	<u>17 #</u>	<u>11</u>	<u>used</u>	<u>408</u>	<u>reg</u>	<u>165</u>			<u>test sand</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>7"</u>	<u>80</u>			<u>heavy</u>	<u>hole full</u>
<u>5 1/2"</u>	<u>608</u>	<u>20</u>	<u>Denton</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

TOOLS USED

Rotary tools were used from surface feet to 666 feet, and from _____ feet to _____ feet
Cable tools were used from for test feet to _____ feet, and from _____ feet to _____ feet

DATES

P & A July 26, 1956 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 _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

T. A. Tutor _____, Driller Ray Frith _____, Driller
W. A. Dunlap _____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>surface</u>	<u>10</u>	<u>10</u>	<u>surface sand</u>
<u>10</u>	<u>50</u>	<u>40</u>	<u>red beds and gyp</u>
<u>40</u>	<u>70</u>	<u>30</u>	<u>sand, fine red</u>
<u>70</u>	<u>80</u>	<u>10</u>	<u>sand water</u>
<u>80</u>	<u>155</u>	<u>75</u>	<u>red beds and gyp</u>
<u>155</u>	<u>162</u>	<u>7</u>	<u>blue silty clay</u>
<u>162</u>	<u>195</u>	<u>33</u>	<u>gray dolomite</u>
<u>195</u>	<u>210</u>	<u>15</u>	<u>blue silty clay</u>
<u>210</u>	<u>225</u>	<u>15</u>	<u>gray dolomite</u>
<u>225</u>	<u>385</u>	<u>160</u>	<u>red beds and gyp</u>
<u>385</u>	<u>395</u>	<u>10</u>	<u>gyp and salty brown clay</u>
<u>395</u>	<u>425</u>	<u>30</u>	<u>anhydrite</u>
<u>425</u>	<u>464</u>	<u>39</u>	<u>dolomite, tan and gray</u>
<u>464</u>	<u>470</u>	<u>6</u>	<u>shale, gray silty</u>
<u>470</u>	<u>495</u>	<u>25</u>	<u>dolomite</u>
<u>495</u>	<u>510</u>	<u>15</u>	<u>dolomite gray, dense</u>
<u>510</u>	<u>550</u>	<u>40</u>	<u>dolomite and anhydrite</u>
<u>550</u>	<u>574</u>	<u>24</u>	<u>dolomite, tan and brown stained</u>
<u>574</u>	<u>576</u>	<u>2</u>	<u>sand, gray fine</u>
<u>576</u>	<u>580</u>	<u>4</u>	<u>anhydrite, white</u>
<u>580</u>	<u>588</u>	<u>8</u>	<u>sand, gray fine</u>
<u>588</u>	<u>592</u>	<u>4</u>	<u>dolomite</u>
<u>592</u>	<u>622</u>	<u>30</u>	<u>sand, some dolomite</u>
<u>622</u>	<u>628</u>	<u>6</u>	<u>dolomite</u>
<u>628</u>	<u>653</u>	<u>25</u>	<u>sand and dolomite</u>
<u>653</u>	<u>666</u>	<u>13</u>	<u>dolomite</u>

FORMATION RECORD—Continued

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATED WITH CORRECTION

Commenced during the year 1951
The amount on 12/31/51 was \$1,000.00
Date: May 1952

NO. 1, from the ...
NO. 2, from the ...
NO. 3, from the ...

IMPOSED THAT WATER BE

1. The first, 1.000

2. The second, 1.000

3. The third, 1.000

4. The fourth, 1.000

5. The fifth, 1.000

6. The sixth, 1.000

7. The seventh, 1.000

8. The eighth, 1.000

9. The ninth, 1.000

10. The tenth, 1.000

11. The eleventh, 1.000

12. The twelfth, 1.000

13. The thirteenth, 1.000

14. The fourteenth, 1.000

15. The fifteenth, 1.000

16. The sixteenth, 1.000

17. The seventeenth, 1.000

18. The eighteenth, 1.000

19. The nineteenth, 1.000

20. The twentieth, 1.000

21. The twenty-first, 1.000

22. The twenty-second, 1.000

23. The twenty-third, 1.000

24. The twenty-fourth, 1.000

25. The twenty-fifth, 1.000

26. The twenty-sixth, 1.000

27. The twenty-seventh, 1.000

28. The twenty-eighth, 1.000

29. The twenty-ninth, 1.000

30. The thirtieth, 1.000

31. The thirty-first, 1.000

32. The thirty-second, 1.000

33. The thirty-third, 1.000

34. The thirty-fourth, 1.000

35. The thirty-fifth, 1.000

36. The thirty-sixth, 1.000

37. The thirty-seventh, 1.000

38. The thirty-eighth, 1.000

39. The thirty-ninth, 1.000

40. The fortieth, 1.000

41. The forty-first, 1.000

42. The forty-second, 1.000

43. The forty-third, 1.000

44. The forty-fourth, 1.000

45. The forty-fifth, 1.000

46. The forty-sixth, 1.000

47. The forty-seventh, 1.000

48. The forty-eighth, 1.000

49. The forty-ninth, 1.000

50. The fiftieth, 1.000

51. The fifty-first, 1.000

52. The fifty-second, 1.000

53. The fifty-third, 1.000

54. The fifty-fourth, 1.000

55. The fifty-fifth, 1.000

56. The fifty-sixth, 1.000

57. The fifty-seventh, 1.000

58. The fifty-eighth, 1.000

59. The fifty-ninth, 1.000

60. The sixtieth, 1.000

61. The sixty-first, 1.000

62. The sixty-second, 1.000

63. The sixty-third, 1.000

64. The sixty-fourth, 1.000

65. The sixty-fifth, 1.000

66. The sixty-sixth, 1.000

67. The sixty-seventh, 1.000

68. The sixty-eighth, 1.000

69. The sixty-ninth, 1.000

70. The seventieth, 1.000

71. The seventy-first, 1.000

72. The seventy-second, 1.000

73. The seventy-third, 1.000

74. The seventy-fourth, 1.000

75. The seventy-fifth, 1.000

76. The seventy-sixth, 1.000

77. The seventy-seventh, 1.000

78. The seventy-eighth, 1.000

79. The seventy-ninth, 1.000

80. The eightieth, 1.000

81. The eighty-first, 1.000

82. The eighty-second, 1.000

83. The eighty-third, 1.000

84. The eighty-fourth, 1.000

85. The eighty-fifth, 1.000

86. The eighty-sixth, 1.000

87. The eighty-seventh, 1.000

88. The eighty-eighth, 1.000

89. The eighty-ninth, 1.000

90. The ninetieth, 1.000

91. The ninety-first, 1.000

92. The ninety-second, 1.000

93. The ninety-third, 1.000

94. The ninety-fourth, 1.000

95. The ninety-fifth, 1.000

96. The ninety-sixth, 1.000

97. The ninety-seventh, 1.000

98. The ninety-eighth, 1.000

99. The ninety-ninth, 1.000

100. The hundredth, 1.000

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 not 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 bailing.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE 16-53042-2

FROM	TO	TOTAL FEET	FORMATION
574	575	1	CLAY
575	576	1	CLAY
576	577	1	CLAY
577	578	1	CLAY
578	579	1	CLAY
579	580	1	CLAY
580	581	1	CLAY
581	582	1	CLAY
582	583	1	CLAY
583	584	1	CLAY
584	585	1	CLAY
585	586	1	CLAY
586	587	1	CLAY
587	588	1	CLAY
588	589	1	CLAY
589	590	1	CLAY
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620	621	1	CLAY
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623	624	1	CLAY
624	625	1	CLAY
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626	627	1	CLAY
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628	629	1	CLAY
629	630	1	CLAY
630	631	1	CLAY
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717	718	1	CLAY
718	719	1	CLAY
719	720	1	CLAY
720	721	1	CLAY
721	722	1	CLAY
722	723	1	CLAY
723	724	1	CLAY
724	725	1	CLAY
725	726	1	CLAY
726	727	1	CLAY
727	728	1	CLAY
728	729	1	CLAY
729	730	1	CLAY
730	731	1	CLAY
731	732	1	CLAY
732	733	1	CLAY
733	734	1	CLAY
734	735	1	CLAY
735	736	1	CLAY
736	737	1	CLAY
737	738	1	CLAY
738	739	1	CLAY
739	740	1	CLAY
740	741	1	CLAY
741	742	1	CLAY
742	743	1	CLAY
743	744	1	CLAY
744	745	1	CLAY
745	746	1	CLAY
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747	748	1	CLAY
748	749	1	CLAY
749	750	1	CLAY
750	751	1	CLAY
751	752	1	CLAY
752	753	1	CLAY
753	754	1	CLAY
754	755	1	CLAY
755	756	1	CLAY
756	757	1	CLAY
757	758	1	CLAY
758	759	1	CLAY
759	760	1	CLAY
760	761	1	CLAY
761	762	1	CLAY
762	763	1	CLAY
763	764	1	CLAY
764	765	1	CLAY
765	766	1	CLAY
766	767	1	CLAY
767	768	1	CLAY
768	769	1	CLAY
769	770	1	CLAY
770	771	1	CLAY
771	772	1	CLAY
772	773	1	CLAY
773	774	1	CLAY
774	775	1	CLAY
775	776	1	CLAY
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777	778	1	CLAY
778	779	1	CLAY
779	780	1	CLAY
780	781	1	CLAY
781	782	1	CLAY
782	783	1	CLAY
783	784	1	CLAY
784	785	1	CLAY
785	786	1	CLAY
786	787	1	CLAY
787	788	1	CLAY
788	789	1	CLAY
789	790	1	CLAY
790	791	1	CLAY
791	792	1	CLAY
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795	796	1	CLAY
796	797	1	CLAY
797	798	1	CLAY
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799	800	1	CLAY
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832	833	1	CLAY
833	834	1	CLAY
834	835	1	CLAY
835	836	1	CLAY
836	837	1	CLAY
837	838	1	CLAY
838	839	1	CLAY
839	840	1	CLAY
840	841	1	CLAY
841	842	1	CLAY
842	843	1	CLAY
843	844	1	CLAY
844	845	1	CLAY
845	846	1	CLAY
846	847	1	CLAY
847	848	1	CLAY
848	849	1	CLAY
849	850	1	CLAY
850	851	1	CLAY
851	852	1	CLAY
852	853	1	CLAY
853	854	1	CLAY
854	855	1	CLAY
855	856	1	CLAY
856	857	1	CLAY
857	858	1	CLAY
858	859	1	CLAY
859	860	1	CLAY
860	861	1	CLAY
861	862	1	CLAY
862	863	1	CLAY
863	864	1	CLAY
864	865	1	CLAY
865	866	1	CLAY
866	867	1	CLAY
867	868	1	CLAY
868	869	1	CLAY
869	870	1	CLAY
870	871	1	CLAY
871	872	1	CLAY
872	873	1	CLAY
873	874	1	CLAY
874	875	1	CLAY
875	876	1	CLAY
876	877	1	CLAY
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878	879	1	CLAY
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881	882	1	CLAY
882	883	1	CLAY
883	884	1	CLAY
884	885	1	CLAY
885	886	1	CLAY
886	887	1	CLAY
887	888	1	CLAY
888	889	1	CLAY
889	890	1	CLAY
890	891	1	CLAY
891	892	1	CLAY
892	893	1	CLAY
893	894	1	CLAY
894	895	1	CLAY
895	896	1	CLAY
896	897	1	CLAY
897	898	1	CLAY
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899	900	1	CLAY
900	901	1	CLAY
901	902	1	CLAY
902	903	1	CLAY
903	904	1	CLAY
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905	906	1	CLAY
906	907	1	CLAY
907	908	1	CLAY
908	909	1	CLAY
909	910	1	CLAY
910	911	1	CLAY
911	912	1	CLAY
912	913	1	CLAY
913	914	1	CLAY
914	915	1	CLAY
915	916	1	CLAY
916	917	1	CLAY
917	918	1	CLAY
918	919	1	CLAY
919	920	1	CLAY
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921	922	1	CLAY
922	923	1	CLAY
923	924	1	CLAY
924	925	1	CLAY
925	926	1	CLAY
926	927	1	CLAY
927	928	1	CLAY
928	929	1	CLAY
929	930	1	CLAY
930	931	1	CLAY
931	932	1	CLAY
932	933	1	CLAY
933	934	1	CLAY
934	935	1	CLAY
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936	937	1	CLAY
937	938	1	CLAY
938	939	1	CLAY
939	940	1	CLAY
940	941	1	CLAY
941	942	1	CLAY
942	943	1	CLAY
943	944	1	CLAY
944	945	1	CLAY
945	946	1	CLAY
946	947	1	CLAY
947	948	1	CLAY
948			

2005