

ATTACHMENT - New Mex "M" (Continued)

Drill Ten Tests

No.	Date	From	To	No. Run of Perforations (or Open Hole)	Size Tool Bit	Chokes Top Bottom	Water Cushion	Time Tested
1	7-11-56	9474	9555	Open hole	4 7/8"	5/8" 1"	None	2 hrs. (Permian) Gas to surface in 22 mins., Sat. 29 SCF/day. Rec. 20' drlg. mud + 1950' of free oil + 130' salt wr. cut oil, 20-5%, SHFP 10#, 20 min. SHF 3440#, SHF 4275-4215#.
2	8-2-56	10040	10110	Open hole	10 1/2"			(Packer failed immediately)
3	8-2-56	10017	10110	Open hole	10 1/2"			(Packer failed immediately)
4	8-3-56	10118	11160	Open hole	10 1/2"	5/8" 1"	None	2 mins. (Penn) Pkr. failed. NTS, Rec. 10' heavy salt str. & sulphur str. cut drlg. mud, no oil or gas. All Press. 0#, SHF 4700-4650.
5	9-13-56	13021	13160	Open hole	10 1/2"	5/8" 1"	2000'	1 hr. (Devonian) NTS, Rec. 2000' oil + 10' salt str. cut mud, no oil. SHFP 0#, SHFP 945#, 20 min. SHF 1195#.
6	9-15-56	13060	13098	Open hole	10 1/2"	5/8" 1"	2000'	4 hrs. (Devonian) Gas to surface in 32 min. (9.5 SCF/day) Rec. 2000' oil + 350' of free oil, city 48-60°. SHF 11#, SHF 2115#, 30 min. SHF 5245#.
7	9-17-56	13098	13160	Open hole	10 1/2"	5/8" 1"	2000'	2 hrs. (Devonian) Gas to surface in 1 hr. + 29 mins. (10 SCF/day) Rec. 2000' oil + 350' oil, gas cut drlg. mud + 30 heavy oil & gas cut drlg. mud, no str. SHF 10#, SHF 735#, 30 min. SHF 5200-514#, SHF 6375-627#.

Strapped drill vice 13160=13173.

Acidizing or Other Completion Operation

- 9-27-56 Cardinal attempted to acid fert. 13080-13114, 13146-13162, 6/1000 gals. 15% LVT, 6 hrs. & 15 mins. TP 600, 6 hrs. back 7 sbles. getting to spot. Press. on bkg. 5600#-3800#, Casp. 1100-1300, bleed to 67, 6 1200#. Swbd. 21 BLO (all) + 24 Sbles acid in 5 hrs. CP 47.
- 10-1-56 Cardinal attempted to acid fert. 13146-13162, w/2000 gals. 15% LVT, 2 hrs. & 7 mins. 6/100 of 1 BW, TP 600-3000#, 600 into formation, CP 300-1400 in 2 hrs. TP bled back to 300. Pumped in 1 sbl. @ 6000#, CP 1400-2100 in 7 mins. Swbd. 60 BLO (all) + 37 Sbl. in 17 hrs. only about of gas.
- 10-4-56 Cardinal attempted to acid fert. 13146-13162, w/2000 gals. 15% LVT. TP 2000#. Received Communication. Pressure out 40#. CP 1000-2200, Circ. stopped. Released -kr. Flowed 8 BA.
- 10-6-56 Cardinal acid fert. 13146-13162, 6/2000 gals. 15% LVT. TP 7200-1600. Had Communication w/upper fert. 13080-13114 w/17 BA in formation. Swbd. 3 sbl. 167 BLO + 25 BAS in 7 hrs. Flowed 35 BLO (all) in 1 hr.

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2 The first part of the paper is devoted to the study of the

3 properties of the function $f(x)$ defined by the

4 equation $f(x) = \int_0^x f(t) dt$. It is shown that

5 the function $f(x)$ is identically zero on the interval

6 $[0, 1]$.

7 In the second part of the paper, we consider the

8 problem of finding the maximum value of the

9 function $f(x)$ on the interval $[0, 1]$. It is

10 shown that the maximum value of the function

11 is attained at the point $x = 1/2$.

12 In the third part of the paper, we consider the

13 problem of finding the minimum value of the

14 function $f(x)$ on the interval $[0, 1]$.

15 It is shown that the minimum value of the

16 function is attained at the point $x = 1/2$.

17 In the fourth part of the paper, we consider the

18 problem of finding the maximum value of the

19 function $f(x)$ on the interval $[0, 1]$. It is

20 shown that the maximum value of the function

21 is attained at the point $x = 1/2$.

22 In the fifth part of the paper, we consider the

23 problem of finding the minimum value of the

24 function $f(x)$ on the interval $[0, 1]$. It is

25 shown that the minimum value of the function

26 is attained at the point $x = 1/2$.

27 In the sixth part of the paper, we consider the

28 problem of finding the maximum value of the

29 function $f(x)$ on the interval $[0, 1]$. It is

30 shown that the maximum value of the function

31 is attained at the point $x = 1/2$.

32 In the seventh part of the paper, we consider the

33 problem of finding the minimum value of the

34 function

35 $f(x)$ on the interval $[0, 1]$. It is

36 shown that the minimum value of the function

37 is attained at the point $x = 1/2$.