

EXHIBIT NO. 9

COMPANY: Mobil Producing Texas and New Mexico
WELL: Jicarilla A No. 1

SW/SE, Section 18, Township 23 North, Range 2 West
Rio Arriba County, New Mexico

Pictured Cliffs Formation Core Data

Pictured Cliffs Perforated Intervals: 3034-3050

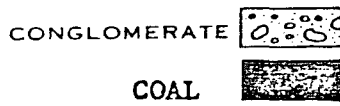
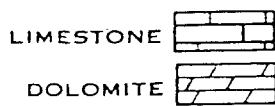
Depth (ft)	Sample Footage (ft)	Horizontal Permeability (md)
3034-3035	1	0.00
3035-3036	1	0.30
3036-3037	1	0.21
3037-3038	1	0.04
3038-3039	1	0.13
3039-3040	1	0.04
3040-3041	1	0.13
3041-3042	1	0.13
3042-3043	1	0.13
3043-3044	1	0.38
3044-3045	1	0.47
3045-3046	1	0.04
3046-3047	1	0.38
3047-3048	1	0.30
3048-3049	1	0.55
3049-3050	1	0.21
	<u>16</u>	<u>3.44</u>

Average Laboratory permeability = $\frac{3.44}{16}$ = 0.22 md

15

3.44

COMPANY MAGNOLIA PETROLEUM COMPANY DATE ON JULY 8, 1955 FILE NO. RP-3-178(FC)
WELL NO. 1 JICARILLA "A" DATE OFF SEPT. 4, 1955 ENGRS. WER:WJC
FIELD WILDCAT FORMATION AS NOTED ELEV. 7315' DP
COUNTY PIO ARRIBA STATE N. MEXICO DRLG. FLD. WATER BASE MOD CORES DIA. CONV.
LOCATION NE SW SE 18 23N 2W REMARKS SERVICE NO. 4



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TABULAR DATA and INTERPRETATION

NUMBER	DEPTH FEET	PERM. MD. AIR	POROSITY %	RESIDUAL SATURATION % PORE SPACE		CHLORIDE PPM	PROD
				OIL	TOTAL WATER		
VF---VERTICAL FRACTURE							
	2893.5	.13	10.7	0.0	79.5		
	94.5	.04	6.2	0.0	77.4		
	95.5	.21	13.8	0.0	76.9		
	96.5	.04	6.2	0.0	74.2		
	97.5	.21	17.3	0.0	76.9	4,330	
	98.5	1.37	16.3	0.0	81.6		
	99.5	.38	15.2	0.0	73.1		
	2900.5	.04	10.6	0.0	86.8		
	01.5	.38	12.5	0.0	71.1		
	02.5	.55	11.8	0.0	67.0		
	03.5	.04	5.3	0.0	69.8		
	04.5	0.0	5.7	0.0	70.2		
	05.5	.04	10.2	0.0	75.4		
	06.5	1.37	21.1	0.0	77.8		
	07.5	.72	19.5	0.0	73.9	4,310	
	08.5	.64	21.1	0.0	74.8		
	09.5	4.49	20.0	0.0	70.5		
	10.5	.64	17.8	0.0	79.2		
	11.5	1.54	14.0	0.0	72.9		
	12.5	1.03	21.5	2.3	67.7		
	13.5	.30	18.8	0.0	73.4		
	14.5	.30	13.6	0.0	86.9		
	15.5	1.11	20.2	0.0	66.9		
	16.5	1.37	19.9	0.0	76.4		
	2917.5	.55	18.3	0.0	64.0	4,690	
	2920.5	0.0	18.8	0.0	93.1		
	2922.5	0.0	13.7	0.0	94.3		
	2924.5	0.0	19.1	0.0	96.9		

COMPLETION COREGRAPH

PERMEABILITY
MILLIDARCS

TOTAL WATER
PERCENT PORE SPACE

5 4 3 2 1 0

80 60 40 20

POROSITY X---X
PERCENT

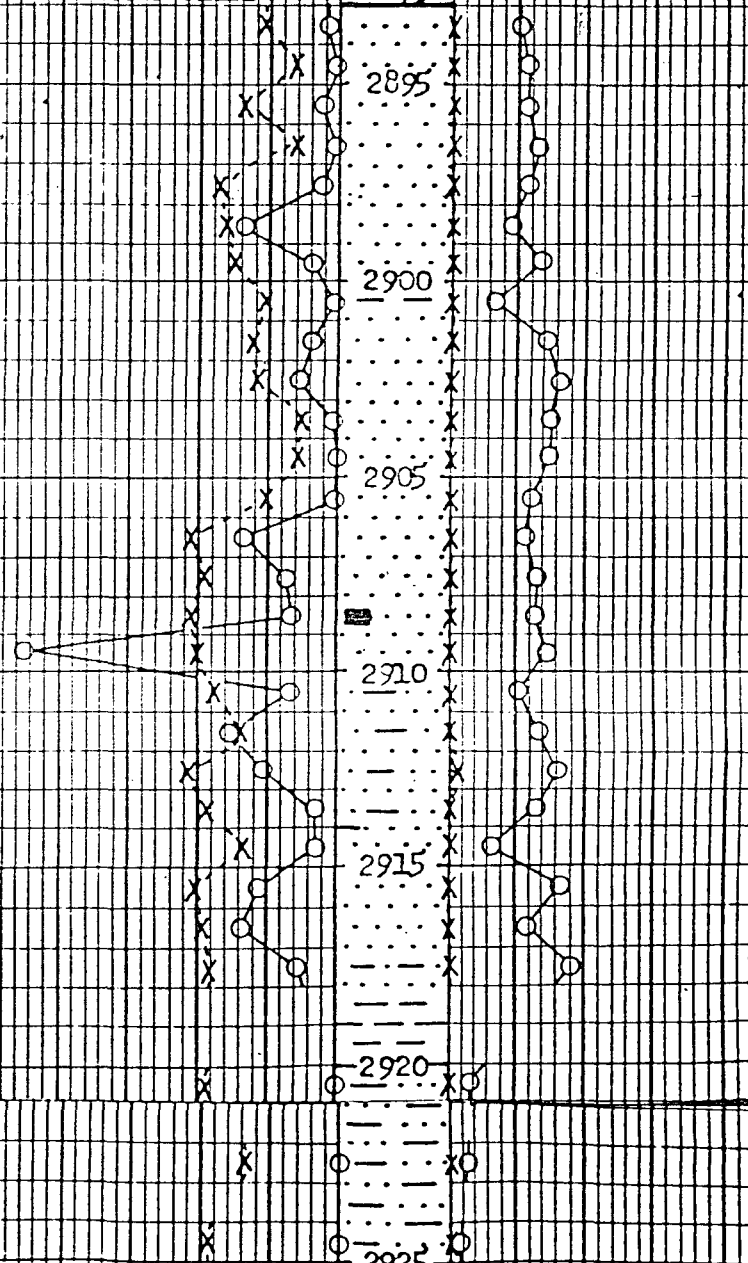
OIL SATURATION X---X
PERCENT PORE SPACE

40 30 20 10 0

0 20 40 60 80

PICTURED CLINCH

2893



This is a detailed geological cross-section plotted on a grid. The vertical axis represents elevation in feet, with labels every 5 feet from 2920 to 3005. The section shows a profile with various features marked by 'X' and 'O' symbols, and a central area filled with dots. A shaded rectangular area is labeled '2965'. The text 'DRILLER' is written across the middle, and 'PICTURED CLIFFS' is written on the left side. The profile starts at 2920 feet on the left, rises to a peak of 2965 feet, and then descends to 3005 feet on the right. The area between the profile and the right edge is filled with dots, and the area between the profile and the left edge is filled with 'X' symbols.

Elevation (ft)	Left Side Feature	Right Side Feature
2920	X	O
2925	X	O
2930	X	O
2935	X	O
2940		
2945		
2950		
2955		
2960		
2965		
2966		
2994		
2995	X	O
3000	X	O
3005	X	O

13	3022.5	0.0	8.5	0.0	88.3	
14	23.5	.04	12.7	0.0	81.9	
15	24.5	.04	12.9	0.0	70.5	
16	25.5	.21	14.4	0.0	52.8	
17	26.5	.21	15.4	0.0	49.3	
18	27.5	.38	16.0	0.0	56.9	7,150
19	28.5	.38	15.2	0.0	54.6	
20	29.5	.47	16.2	0.0	63.0	
21	30.5	.47	17.5	0.0	45.1	
22	31.5	.21	16.7	0.0	39.6	
23	32.5	0.0	15.3	0.0	41.8	
24	33.5	0.0	11.3	0.0	81.4	
25	34.5	0.0	9.2	0.0	83.6	
26	35.5	.30	15.7	0.0	35.0	
27	36.5	.21	16.9	0.0	39.1	
28	37.5	.04	15.9	0.0	44.0	9,140
29	38.5	.13	14.3	0.0	53.1	
30	3039.5	.04	15.2	0.0	59.9	
31	3040.5	.13	14.4	0.0	82.6	
32	41.5	.13	13.7	0.0	87.0	
33	42.5	.13	14.4	0.0	79.8	
34	43.5	.38	13.5	0.0	75.6	
35	44.5	.47	15.4	0.0	83.1	
36	45.5	.04	10.0	0.0	90.0	
37	46.5	.38	15.3	0.0	82.4	
38	47.5	.30	14.6	0.0	73.3	
39	48.5	.55	16.1	0.0	75.2	
40	49.5	.21	14.1	0.0	84.1	
41	50.5	.21	16.3	0.0	87.8	
42	51.5	.81	16.4	0.0	86.0	
43	52.5	.55	17.0	0.0	90.6	
44	53.5	.72	16.9	0.0	91.2	
45	54.5	.85	18.1	0.0	84.0	
46	55.5	.81	18.1	0.0	82.9	
47	56.5	.30	16.8	0.0	88.8	
48	57.5	.72	12.4	0.0	88.8	
49	58.5	.72	18.0	0.0	86.6	
50	59.5	.47	16.5	0.0	89.1	
51	60.5	.21	16.7	0.0	85.0	
52	61.5	.21	16.5	3.6	85.6	
53	62.5	.13	15.8	0.0	82.2	
54	63.5	.04	12.6	0.0	87.4	
55	64.5	.21	16.0	0.0	91.3	
56	65.5	.13	16.1	0.0	89.5	
57	66.5	.04	15.8	0.0	84.2	
58	67.5	.04	13.6	0.0	85.5	
59	68.5	.04	18.0	0.0	78.9	
60	3069.5	0.0	17.4	0.0	89.6	

