

BENNETT - CATHEY
 Artesia, New Mexico 88210
SUBSURFACE PRESSURE MEASUREMENTS

COMPANY FRED POOL WELL NAME M & M FEDERAL #1
 DATE OF TEST 7-29-81 TO 8-1-81 FORMATION ABO PAGE 1 OF 2

CHART READINGS AND CALCULATIONS FOR BUILDUP OR DRAWDOWN TEST

ELEMENT NUMBER RPG3#36641 RANGE 0-4,000 LBS.
 CLOCK NUMBER G2522 RANGE 72 HOURS
 TIME WELL SHUT IN 2145 HOURS 7-29-81
 TIME CLOCK STARTED 1611
 DEAD WEIGHT ELEMENT ON SURFACE 992 LBS.
 TIME ELEMENT REACHED BOTTOM 1646
 DEAD WEIGHT ELEMENT ON BOTTOM 992 LBS.
 ELEMENT SET AT 3013 FEET.
 TEMPERATURE 3013 °F.
 993 PSIA DEAD WEIGHT AT THE END OF 74 HOURS 2 MINUTES.

DATE	HOUR	TIME	DEFLECTION in/inches	CALCULATED PRESSURE psig	CORRECTION P ± PC psig	CORRECTED PRESSURE psia	PRESSURE AT MID-POINT OF PERFORATIONS psia
7-29-81		1646		1,056	13.2		1,069
ON BOTTOM		1745		1,054	13.2		1,067
START TEST	0	1800		1,044	13.2		1,057
	1/4	1815		1,038	13.2		1,051
	1/2	1830		1,033	13.2		1,046
	3/4	1845		1,031	13.2		1,044
END RATE 1	1	1900		1,019	13.2		1,032
	1 1/4	1915		1,009	13.2		1,022
	1 1/2	1930		1,006	13.2		1,019
END RATE 2	1 3/4	1945		1,003	13.2		1,016
	2	2000		988	13.2		1,001
	2 1/4	2015		976	13.2		989
	2 1/2	2030		970	13.2		983
END RATE 3	2 3/4	2045		965	13.2		978
	3	2100		930	13.2		943
	3 1/4	2115		913	13.2		926
	3 1/2	2130		903	13.2		916
END RATE 4	3 3/4	2145		898	13.2		911
START BUILD	4	2145		898	13.2		911
UP		2200		970	13.2		983
	1/4	2215		988	13.2		1,001
	1/2	2230		995	13.2		1,008
	3/4	2245		1,000	13.2		1,013
	1	2300		1,006	13.2		1,019
	1 1/4	2315		1,009	13.2		1,022
	1 1/2	2330		1,011	13.2		1,024
	1 3/4	2345		1,013	13.2		1,026
	2	2445		1,019	13.2		1,032
7-30-81	3	0145		1,023	13.2		1,036
	4	0245		1,027	13.2		1,040
	5	0745		1,037	13.2		1,050
	10	1245		1,041	13.2		1,054
	15	1745		1,046	13.2		1,059
	20	2245		1,048	13.2		1,061
	25	0345		1,050	13.2		1,063
7-31-81	30	0845		1,052	13.2		1,065
	35	1345		1,053	13.2		1,066
	40	2345		1,056	13.2		1,069
	50						