

BENNET - CATHEY

05) 748—3354 / Artesia, New Mexico 10

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY MC KAY OIL CORP. WELL NAME HUSKEY MC KAY FEDERAL WELL NO. 1
 DATE OF TEST 8-23-82 - 8-26-82 FORMATION ABO PAGE 1 OF 1
 COMPANY MAN WES SHIELDS

CHART READINGS AND CALCULATIONS FOR BUILDUP OR DRAWDOWN TEST

ELEMENT NUMBER RPG3 #23914 RANGE 5,025 LBS.
 CLOCK NUMBER 27193 RANGE 72 HOURS
 TIME WELL SHUT IN 2400 HOURS 8-23-82
 TIME CLOCK STARTED 2333 HOURS 8-23-82
 DEAD WEIGHT ELEMENT ON SURFACE 643 PSIA FLOWING LBS.
 TIME ELEMENT REACHED BOTTOM 2351 HOURS 8-23-82
 DEAD WEIGHT ELEMENT ON BOTTOM 643 PSIA FLOWING LBS.
 ELEMENT SET AT 4,207 FEET.
 TEMPERATURE 4,207 FT. 106 °F.
 920 PSIA DEAD WEIGHT AT THE END OF 79 HOURS 36 MINUTES.

DATE	HOUR	TIME	DEFLECTION in/inches	CALCULATED PRESSURE psig	CORRECTION P ± PC psig	CORRECTED PRESSURE psia	PRESSURE AT MID-POINT OF PERFORATIONS psia
8-23-82	0	2400		797	13.2		810
	1/4	2415		900	13.2		913
	1/2	2430		922	13.2		935
	3/4	2445		935	13.2		948
8-24-82	1	0100		943	13.2		956
	1-1/4	0115		947	13.2		960
	1-1/2	0130		952	13.2		965
	1-3/4	0145		956	13.2		969
	2	0200		958	13.2		971
	2-1/2	0230		962	13.2		975
	3	0300		966	13.2		979
	3-1/2	0330		970	13.2		983
	4	0400		972	13.2		985
	4-1/2	0430		974	13.2		987
	5	0500		976	13.2		989
	6	0600		980	13.2		993
	7	0700		982	13.2		995
	8	0800		984	13.2		997
	9	0900		986	13.2		999
	10	1000		988	13.2		1001
8-25-82	12	1200		991	13.2		1004
	14	1400		993	13.2		1006
	16	1600		995	13.2		1008
	18	1800		997	13.2		1010
	20	2000		1000	13.2		1013
	25	0100		1003	13.2		1016
	30	0600		1006	13.2		1019
	35	1100		1009	13.2		1022
8-26-82	40	1600		1012	13.2		1025
	45	2100		1015	13.2		1028
	50	0200		1018	13.2		1031
	55	0700		1021	13.2		1034
	60	1200		1024	13.2		1037
	65	1700		1027	13.2		1040
	71	2300		1029	13.2		1042