

BENNETT - CATHEY

Artesia, New Mexico 88210

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY L. RAY DUNWOODY WELL NAME INNER NORTH #1
 DATE OF TEST 7-18-81 TO 7-21-81 FORMATION _____ PAGE 1 OF 2

CHART READINGS AND CALCULATIONS FOR BUILDUP OR DRAWDOWN TEST

ELEMENT NUMBER RPG3#36641 RANGE 0-4,000 LBS.
 CLOCK NUMBER 21850 RANGE 120 HOUR
 TIME WELL SHUT IN 1000 HOURS 7-7-81 & 1125 HOURS 7-18-81 AFTER TEST
 TIME CLOCK STARTED 0645
 DEAD WEIGHT ELEMENT ON SURFACE 918 LBS.
 TIME ELEMENT REACHED BOTTOM 0705
 DEAD WEIGHT ELEMENT ON BOTTOM 918 LBS.
 ELEMENT SET AT 4,454 FEET.
 TEMPERATURE 4,454 FT. 106 °F.
 PSIA DEAD WEIGHT AT THE END OF 70 HOURS 5 MINUTES.

DATE	HOUR	TIME	DEFLECTION in/inches	CALCULATED PRESSURE psig	CORRECTION P ± PC psig	CORRECTED PRESSURE psia	PRESSURE AT MID-POINT OF PERFORATIONS psia
7-18-81		0705		1,034	13.2		1,047
START TEST	0	0725		1,034	13.2		1,047
	$\frac{1}{4}$	0740		1,024	13.2		1,037
	$\frac{1}{2}$	0755		1,018	13.2		1,031
	$\frac{3}{4}$	0810		1,011	13.2		1,024
END RATE 1	1	0825		1,004	13.2		1,017
	$1\frac{1}{4}$	0840		994	13.2		1,007
	$1\frac{1}{2}$	0855		982	13.2		995
	1 $\frac{3}{4}$	0910		967	13.2		980
END RATE 2	2	0925		958	13.2		971
	$2\frac{1}{4}$	0940		930	13.2		943
	$2\frac{1}{2}$	0955		915	13.2		928
	2 $\frac{3}{4}$	1010		895	13.2		908
END RATE 3	3	1025		891	13.2		904
	$3\frac{1}{4}$	1040		852	13.2		865
	$3\frac{1}{2}$	1055		821	13.2		834
	3 $\frac{3}{4}$	1110		799	13.2		812
END RATE 4	4	1125		792	13.2		805
START BUILD UP	0	1125		792	13.2		805
	$\frac{1}{4}$	1140		842	13.2		855
	$\frac{1}{2}$	1155		866	13.2		879
	$\frac{3}{4}$	1210		876	13.2		889
	1	1225		891	13.2		904
	$1\frac{1}{4}$	1240		901	13.2		914
	$1\frac{1}{2}$	1255		911	13.2		924
	1 $\frac{3}{4}$	1310		917	13.2		930
	2	1325		926	13.2		939
	$2\frac{1}{2}$	1355		936	13.2		949
	3	1425		944	13.2		957
	$3\frac{1}{2}$	1455		949	13.2		962
	4	1525		954	13.2		967
	$4\frac{1}{2}$	1555		960	13.2		973
	5	1625		965	13.2		978
	6	1725		971	13.2		984
	7	1825		977	13.2		990
	8	1925		982	13.2		995
	9	2025		985	13.2		998
	10	2125		988	13.2		1,001