

BENNETT - CATHEY
Artesia, New Mexico 88210
SUBSURFACE PRESSURE MEASUREMENTS

COMPANY FRED POOL DRILLING WELL NAME EASTLAND STATE WELL NO. 1
DATE OF TEST 9-30-81 TO 10-3-81 FORMATION PENN PAGE 1 OF 2

CHART READINGS AND CALCULATIONS FOR BUILDUP OR DRAWDOWN TEST

ELEMENT NUMBER RPG3 #7201 RANGE 3,200 LBS.
CLOCK NUMBER 19040 RANGE 72 HOURS
TIME WELL SHUT IN 2055 HOURS 9-24-81
TIME CLOCK STARTED 1207 HOURS
DEAD WEIGHT ELEMENT ON SURFACE 1990 FLOWING LBS.
TIME ELEMENT REACHED BOTTOM
DEAD WEIGHT ELEMENT ON BOTTOM 1993 FLOWING LBS.
ELEMENT SET AT 6077 FEET.
TEMPERATURE 6077 FT. 118 °F.
55 P.S.I.A. DEAD WEIGHT AT THE END OF 90 HOURS MINUTES.
COND BOMB--RPG3 #21121, 0-5,000 LBS.

DATE 9-30-81	HOUR	TIME	DEFLECTION in/inches	CALCULATED PRESSURE psig	CORRECTION P ± PC psig	CORRECTED PRESSURE psia	PRESSURE AT MID-POINT OF PERFORATIONS psia
ON BOTTOM		1358		2364	13.2		2377
START TEST	0	1655		2364	13.2		2377
	1/4	1710		2237	13.2		2250
	1/2	1725		2103	13.2		2116
	3/4	1740		2070	13.2		2083
END RATE 1	1	1755		2052	13.2		2065
	1-1/4	1810		2002	13.2		2015
	1-1/2	1825		1939	13.2		1952
	1-3/4	1840		1904	13.2		1917
END RATE 2	2	1855		1916	13.2		1929
	2-1/4	1810		1854	13.2		1867
	2-1/2	1825		1766	13.2		1779
	2-3/4	1840		1729	13.2		1742
END RATE 3	3	1855		1693	13.2		1706
	3-1/4	1910		1597	13.2		1610
	3-1/2	1925		1533	13.2		1546
	3-3/4	1940		1480	13.2		1493
END RATE 4	4	1955		1460	13.2		1473
WELL SHUT IN	0	1955		1460	13.2		1473
	1/4	2010		1735	13.2		1748
	1/2	2025		1870	13.2		1883
	3/4	2040		2044	13.2		2057
	1	2055		2166	13.2		2179
	1-1/4	2110		2209	13.2		2222
	1-1/2	2125		2237	13.2		2250
	1-3/4	2140		2262	13.2		2250
	2	2155		2283	13.2		2296
	2-1/4	2210		2295	13.2		2308
	2-1/2	2225		2304	13.2		2317
	2-3/4	2240		2313	13.2		2326
	3	2255		2321	13.2		2334
	3-1/2	2325		2329	13.2		2342
	4	2355		2335	13.2		2348
	4-1/2	2425		2340	13.2		2353
	5	2455		2343	13.2		2356
10-1-81	6	0155		2347	13.2		2360
	7	0255		2350	13.2		2363