

BENNETT - CATHEY
 Artesia, New Mexico 88210
SUBSURFACE PRESSURE MEASUREMENTS

JAMES MOORE

COMPANY SANTA FE ENERGY WELL NAME STATE UTP WELL NO. 1
 DATE OF TEST 9-15-81 TO 9-16-81 FORMATION MORROW PAGE 1 OF 2

CHART READINGS AND CALCULATIONS FOR BUILDUP OR DRAWDOWN TEST

ELEMENT NUMBER RPG3 #9526 RANGE 8,100 LBS.
 CLOCK NUMBER 11520 RANGE 48
 TIME WELL SHUT IN 0830 HOURS 9-6-81
 TIME CLOCK STARTED 0805
 DEAD WEIGHT ELEMENT ON SURFACE 2894 LBS.
 TIME ELEMENT REACHED BOTTOM 0913
 DEAD WEIGHT ELEMENT ON BOTTOM 2894 LBS.
 ELEMENT SET AT 12,322 FEET.
 TEMPERATURE 12,322 FT. 174 °F.
 2907 PSIA DEAD WEIGHT AT THE END OF 216 HOURS 0 MINUTES.
 #2 BOMB RPG3 #46950, 0 - 7,000 LBS.

DATE 9-15-81	HOUR	TIME	DEFLECTION in/inches	CALCULATED PRESSURE psig	CORRECTION P ± PC psig	CORRECTED PRESSURE psia	PRESSURE AT MID-POINT OF PERFORATIONS psia
SHUT IN BHP	0			5432	13.2	5445	
START TEST	0	1454		5255	13.2	5268	
	1/4	1000		4969	13.2	4982	
	1/2	1015		4850	13.2	4863	
	3/4	1030		4774	13.2	4787	
END RATE 1	1	1045		4723	13.2	4736	
	1-1/4	1100		4606	13.2	4619	
	1-1/2	1115		4523	13.2	4536	
	1-3/4	1130		4474	13.2	4487	
END RATE 2	2	1145		4436	13.2	4449	
	2-1/4	1200		4279	13.2	4292	
	2-1/2	1215		4171	13.2	4184	
	2-3/4	1230		4077	13.2	4090	
END RATE 3	3	1245		4022	13.2	4035	
	3-1/4	1300		3813	13.2	3826	
	3-1/2	1315		3701	13.2	3714	
	3-3/4	1330		3603	13.2	3616	
END RATE 4	4	1345		3534	13.2	3547	
START 24 HR.	0	1345		3534	13.2	3547	
FLOW.	1	1445		2859	13.2	2872	
	2	1545		2642	13.2	2655	
	3	1645		2577	13.2	2590	
	4	1745		2570	13.2	2583	
	5	1845		2617	13.2	2630	
	6	1945		2649	13.2	2662	
	7	2045		2674	13.2	2687	
	8	2145		2664	13.2	2677	
	9	2245		2609	13.2	2622	
	10	2345		2472	13.2	2485	
	11	2445		2288	13.2	2301	
9-16-81	12	0145		2008	13.2	2021	
	13	0245		2038	13.2	2051	
	14	0345		2060	13.2	2073	
	15	0445		2112	13.2	2125	
	16	0545		2143	13.2	2156	
	17	0645		2118	13.2	2131	
	18	0745		2105	13.2	2118	
	19	0845		2111	13.2	2124	