BENNETT - CATHEY

(505) 746-3354 / Artesia, New Mexico 88210

SUBSURFACE PRESSURE MEASUREMENTS

FEB 29 1984
O. C. D.
ARTESIA, OFFICE

COMPANY COSTA RESOURCES WELL NAME TWO FORK STATE #1

DATE OF TEST 1-25-84 FORMATION MORROW PAGE 1 OF 1

COMPANY MAN STEVE HAMILTON

CHART READINGS AND CALCULATIONS FOR BUILDUP OR DRAWDOWN TEST

ELEMENT NUMBER RPG3#22749 RANGE 5150 LBS.
CLOCK NUMBER B-3443 RANGE 12 HOUR
ELEMENT NUMBER RPG3#21024 RANGE 8000 LBS.
CLOCK NUMBER 1935 RANGE 12 HOUR
TIME WELL SHUT IN 1200 HOUR 1-21-84
TIME CLOCK STARTED 1207 HOUR 1-25-84
DEAD WEIGHT ELEMENT ON SURFACE 3183.2 PSIA SHUT IN LBS.
TIME ELEMENT REACHED BOTTOM 1335 HOUR 1-25-84
DEAD WEIGHT ELEMENT ON BOTTOM 3183.2 PSIA SHUT IN LBS.
ELEMENT SET AT 10,709 MID PERF. FEET
TEMPERATURE 10,709 MID PERF. FT. 158° °F.
3183.2 PSIA DEAD WEIGHT AT THE END OF 98 HOURS 30 MINUTES

PRIOR TO FOUR POINT BACK PRESSURE TEST

DATE	HOUR	TIME	DEFLECTION in/inches	CALCULATED PRESSURE psig	CORRECTION P ± PC psig	CORRECTED PRESSURE psia	PRESSURE AT MID-POINT OF PERFORATIONS psia
1-25-84	SIP			4286	13.2		4299.2
START TEST	0	1430		4210	13.2		4223.2
	1/4	1445		4128	13.2		4141.2
	1/2	1500		4114	13.2		4127.2
	3/4	1515		4121	13.2		4134.2
END RATE 1	1	1530		4066	13.2		4079.2
	1 1/4	1545		3975	13.2		3988.2
	1 1/2	1600		3917	13.2		3930.2
	1 3/4	1615		3880	13.2		3893.2
END RATE 2	2	1630		3858	13.2		3871.2
	2 1/4	1645		3788	13.2		3801.2
	2 1/2	1700		3705	13.2		3718.2
	2 3/4	1715		3719	13.2		3732.2
END RATE 3	3	1730		3680	13.2		3693.2
	3 1/4	1745		3563	13.2		3576.2
	3 1/2	1800		3447	13.2		3460.2
	3 3/4	1815		3375	13.2		3388.2
END RATE 4	4	1830		3313	13.2		3326.2