BENNET - CATHEY
(505) 748—3354 / Artesia, New Mexico 88210

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY STEVENS OPERATING WELL NAME HANNIGAN WELL NO. 4
DATE OF TEST 12-21-82 FORMATION PAGE 1 OF 1
COMPANY MAN MIKE VOWELL
FOUR POINT BACK PRESSURE TEST

CHART READINGS AND CALCULATIONS FOR BUILDUP OR DRAWDOWN TEST

ELEMENT NUMBER RPG3 #23059 RANGE 5,300 LBS.
CLOCK NUMBER 27744 RANGE 48 HOURS
TIME WELL SHUT IN 1000 HOURS 12-18-82
TIME CLOCK STARTED 0727 HOURS12-21-82
DEAD WEIGHT ELEMENT ON SURFACE 877 PSIA SHUT IN LBS.
TIME ELEMENT REACHED BOTTOM 0904 HOURS 12-18-82
DEAD WEIGHT ELEMENT ON BOTTOM 877 PSIA SHUT IN LBS.
ELEMENT SET AT 4,054 FEET.
TEMPERATURE 4,054 FT. 109 °F.
DEAD WEIGHT AT THE END OF HOURS MINUTES.

DATE	HOUR	TIME	DEFLECTION in/inches	CALCULATED PRESSURE psig	CORRECTION P ± PC psig	CORRECTED PRESSURE psia	PRESSURE AT MID-POINT OF PERFORATIONS psia
12-21-82	SIP			963	13.2	976	985
START TEST	0	1200		963	13.2	976	985
	1/4	1215		960	13.2	973	982
	1/2	1230		947	13.2	960	969
	3/4	1245		934	13.2	947	956
END RATE 1	1	1300		918	13.2	931	940
	1-1/4	1315		902	13.2	915	924
	1-1/2	1330		878	13.2	891	900
	1-3/4	1345		862	13.2	875	884
END RATE 2	2	1400		849	13.2	862	871
	2-1/4	1415		822	13.2	835	844
	2-1/2	1430		795	13.2	808	817
	2-3/4	1445		777	13.2	790	799
END RATE 3	3	1500		765	13.2	778	787
	3-1/4	1515		742	13.2	755	764
	3-1/2	1530		721	13.2	734	743
	3-3/4	1545		703	13.2	716	725
END RATE 4	4	1600		695	13.2	708	717