

CITIES SERVICE COMPANY
 SPENCER "A" No. 1
 BOTTOM HOLE PRESSURE BUILD-UP TEST AND
 PRESSURES TO USE FOR CALCULATING 4-POINT TEST
 TABULATION OF PRESSURE AND TIME

TEST CONDUCTED BY:
 JOHN WEST ENGINEERING COMPANY

TEST DATE: MAY 27 TO 31, 1978
 TEST DEPTH: 10,327 FEET
 ELEMENT No.: 12809 (0-5650 PSI)
 OPER.: B.J.T. & J.A.B.

<u>DATE</u>	<u>TIME</u>	<u>CUM. HRS./MIN.</u>		<u>PSIG @ 10,327 FEET</u>
5-27-78	12:20 PM			2097 GAUGE REACHED 10,327', FLOWING
5-27-78	1:00 PM	00 HRS.	00 MIN.	2063 SHUT-IN, BEGIN BUILD-UP
		00	15	2094
		00	30	2117
		00	45	2131
		01	00	2145
		02	00	2188
		03	00	2225
		04	00	2254
		06	00	2308
		08	00	2348
5-27-78	11:00 PM	10	00	2385
5-28-78	1:00 AM	12	00	2419
		14	00	2450
		16	00	2496
		18	00	2547
		20	00	2590
	11:00 AM	22	00	2635
	1:00 PM	24	00	2678
		28	00	2741
5-28-78	9:00 PM	32	00	2801
5-29-78	1:00 AM	36	00	2860
		40	00	2915
	9:00 AM	44	00	2972
	1:00 PM	48	00	3026
		52	00	3077
5-29-78	9:00 PM	56	00	3129
5-30-78	1:00 AM	60	00	3186
		64	00	3234
5-30-78	9:45 AM	68	45	3297 GAUGE OUT TO CHANGE CHART

CHART No. 2

5-30-78	10:15 AM	69	15	3300 GAUGE BACK TO 10,327 FEET
	10:45 AM	69	45	3300 OPEN CHOKE, BEGIN TEST
		70	00	3254
		70	15	3211
		70	30	3183
	11:45 AM	70	45	3166 END RATE I
	12:00 NOON	71	00	3131
	12:15 PM	71	15	3100
		71	30	3063
	12:45 PM	71	45	3023 END RATE II
		72	00	2972
		72	15	2932
		72	30	2886
	1:45 PM	72	45	2863 END RATE III
		73	00	2789
		73	15	2724
		73	30	2624
5-30-78	2:45 PM	73 HRS.	45 MIN.	2584 END RATE IV, SHUT-IN