

~~ARDBRO~~
CITIES SERVICE COMPANY
~~ARDBROUCH~~ "A" NO. 1
BOTTOM HOLE PRESSURE BUILD-UP TEST
TABULATION OF TIMES AND PRESSURES

TEST CONDUCTED BY:
JOHN WEST ENGINEERING COMPANY

TEST DATE: SEPTEMBER 13 to 17, 1982
TEST DEPTH: 11,709 FEET
ELEMENT NO: 20203 (0-10,000 psi)
OPERATOR: R.W.

<u>DATE</u>	<u>TIME</u>	<u>CUM HRS./MIN.</u>	<u>PSIG @ 11,709 FEET</u>
9-13-82	1:15 P.M.		Dead Weight 325 psi, Flowing 2841 gauge reached 11,709'
	2:15 P.M.	00 Hrs. 00 Min.	1194 Shut-In, Begin Build-Up
	2:30 P.M.	00 15	2231
	2:45 P.M.	00 30	2923
	3:00 P.M.	00 45	3465
	3:15 P.M.	01 00	4730
	3:45 P.M.	01 30	5432
	4:15 P.M.	02 00	5688
	5:15 P.M.	03 00	5809
	6:15 P.M.	04 00	5709
	7:15 P.M.	05 00	5683
7-13-82			
7-14-82	12:15 A.M.	10 00	5749
	5:15 A.M.	15 00	5839
	10:15 A.M.	20 00	5920
	3:15 P.M.	25 00	5975
9-14-82	8:15 P.M.	30 00	6020
9-15-82	6:15 A.M.	40 00	6070
9-15-82	4:15 P.M.	50 00	6095
9-16-82	2:15 A.M.	60 00	6104
9-16-82	8:15 A.M.	66 00	6114 gauge out to change charts.
9-16-82			DEAD WEIGHT 4930 psi
	11:30 A.M.		6114 gauge back to 11,709 feet
	11:45 A.M.	00 Hrs. 00 Min.	6114 Begin 4-Point
	12:00 Noon	00 15	5859
	12:15 P.M.	00 30	5754
	12:30 P.M.	00 45	5729
	12:45 P.M.	01 00	5709 End Rate I
	1:00 P.M.	01 15	5543
	1:15 P.M.	01 30	5447
	1:30 P.M.	01 45	5387
	1:45 P.M.	02 00	5367 End Rate II
	2:00 P.M.	02 15	5146
	2:15 P.M.	02 30	5060
	2:30 P.M.	02 45	5030
	2:45 P.M.	03 00	5020 End Rate III
	3:00 P.M.	03 15	4806
	3:15 P.M.	03 30	4592
	3:30 P.M.	03 45	4367
	3:45 P.M.	04 00	4969 End Rate IV
	3:45 P.M.	00 Hrs. 00 Min.	4969 Begin Build-Up
	4:00 P.M.	00 15	5256
	4:15 P.M.	00 30	5729
	4:30 P.M.	00 45	5884
	4:45 P.M.	01 00	5935
	5:15 P.M.	01 30	5940
	5:45 P.M.	02 00	5945
	6:45 P.M.	03 00	5950
	7:45 P.M.	04 00	5965
9-16-82	8:45 P.M.	05 00	5975
9-17-82	1:45 A.M.	10 00	6010
9-17-82	6:45 A.M.	15 00	6035
9-17-82	9:30 .AM.	17 45	6050 Gauge out, End of test. Dead Weight 4952 psi