

CITIES SERVICE COMPANY
BRANTLEY "A" NO. 1
BOTTOM HOLE PRESSURE BUILD-UP TEST AND
4-POINT BACK PRESSURE TEST
TABULATIONS OF TIMES AND PRESSURES

TEST DATE: April 13 to 17, 1981
TEST DEPTH: 12,138 Feet
ELEMENT NO: 34911 (0-6050 psi)
OPERATOR: W.S.

<u>DATE</u>	<u>TIME</u>	<u>CUM HRS. /MIN.</u>		<u>PSIG @ 12,138 FEET</u>
4-13-81	10:00 A.M.			4320 gauge reached 12,138'
	10:30 A.M.			4265
4-13-81	11:00 A.M.	00Hrs.	00Min.	4262 Shut-In Begin Build-Up
		00	15	4460
		00	30	4512
4-13-81		00	45	4540
	12:00 Noon	01	00	4561
	1:00 P.M.	02	00	4610
	2:00 P.M.	03	00	4619
	3:00 P.M.	04	00	4631
	4:00 P.M.	05	00	4637
4-13-81	9:00 P.M.	10	00	4652
4-14-81	2:00 A.M.	15	00	4665
	7:00 A.M.	20	00	4671
4-14-81	5:00 P.M.	30	00	4677
4-15-81	3:00 A.M.	40	00	4683
4-15-81	1:00 P.M.	50	00	4686
4-16-81	11:00 A.M.	60	00	4689
4-16-81	9:00 A.M.	70	00	4695 gauge off bottom to change chart.
4-16-81	10:20 A.M.	71	20	4695 Gauge back to 12,138'
	10:30 A.M.	71	30	4695
	10:45 A.M.	71	45	4695
	11:00 A.M.	00Hrs.	00Min.	4695 Open choke begin test
	11:15 A.M.	00	15	4668
	11:30 A.M.	00	30	4659
	11:45 A.M.	00	45	4656 End Rate I
	12:00 Noon	01	00	4628
	12:15 P.M.	01	15	4622 End Rate II
	12:30 P.M.	01	30	4588
	12:45 P.M.	01	45	4579
	1:00 P.M.	02	00	4573
	1:15 P.M.	02	15	4570 End Rate III
	1:30 P.M.	02	30	4540
	1:45 P.M.	02	45	4534 End Rate IV
4-16-81	1:45 P.M.	00Hrs.	00Min.	4534 Shut-In Begin Build-Up
		00	15	4610
		00	30	4628
		00	45	4637
	2:45 P.M.	01	00	4643
	3:45 P.M.	02	00	4662
	4:45 P.M.	03	00	4668
	5:45 P.M.	04	00	4671
	6:45 P.M.	05	00	4674
	11:45 P.M.	10	00	4680
	4:45 A.M.	15	00	4683
4-17-81	9:00 A.M.	19	15	4686 Gauge out End Test

Note: Flowing dead weight was 1200 psig @ 11:00 A.M. 4-13-81, Dead Weight was 3670 psig @ 11:00 A.M. 4-16-81, Dead Weight was 3656 psig @ 9:00 A.M. 4-17-81.