

Cities Service Company

Test Conducted By:

Simpson "B" No. 1

John West Engineering Company

Bottom Hole Pressure Build-Up Test

4-Point Back Pressure Test & Bottom Hole Pressure Build-Up Test

Tabulation of Times and Pressures

Test Date: 1/2-6/81

Test Depth: 11,118'

Element No.: 8534 (0 - 5750 psi)

Operator: W.S.

DATE	TIME	CUM.HRS./MIN.		PSIG @ 11,118'
1-2-81	10:45am			627 Gauge reached 11,118' flowing
	11:15am			595 D.W. 223 PSIG
1-2-81	11:45am	00	00	595 Shut-In, Begin Build-Up
	12:00noon	00	15	1312
	12:15pm	00	30	2003
		00	45	2449
	12:15pm	01	00	2907
		01	15	3613
		01	30	4237
		01	45	4442
	1:45pm	02	00	4552
		02	30	4587
	2:45pm	03	00	4621
		03	30	4639
	3:45pm	04	00	4644
	4:45pm	05	00	4650
1-2-81	9:45pm	10	00	4673
1-3-81	2:45am	15	00	4685
	7:45am	20	00	4691
1-3-81	5:45pm	30	00	4699
1-4-81	3:45am	40	00	4705
	1:45pm	50	00	4708
1-4-81	11:45pm	60	00	4711
1-5-81	8:45am	69	00	4717 Gauge out , Change charts
1-5-81	9:45am			4717 Gauge back to 11,118'
	10:30am	00	00	4717 open choke
		00	15	4494
		00	30	4413
		00	45	4393
	11:30am	01	00	4384 End Rate I
		01	15	4260
		01	30	4217
		01	45	4191
1-5-81	12:30pm	02	00	4173 End Rate II
		02	15	3902
		02	30	3792
		02	45	3714
	1:30pm	03	00	3647 End Rate III
		03	15	3263
		03	30	3792
		03	45	2957
	2:30pm	04	00	2901 End Rate IV
1-5-81	2:30pm	00	00	2901 Shut-In, Begin build-up
		00	15	3595
		00	30	4243
		00	45	4512
	3:30pm	01	00	4607
		01	15	4642
		01	30	4659
1-5-81	4:15pm	01	45	4665