

ETZ "C" STATE, WELL NO. 19

<u>Stage No.</u>	<u>Perfs.</u>	<u>BDP</u>	15% HCL <u>Gals Acid</u>	20/40 <u>Mesh Sand</u>	<u>Ball Sealers And Action</u>	<u>Max. Press.</u>	<u>Min. Press.</u>	Avj. Rate <u>B/PM</u>	<u>ISDP</u>	<u>5 Min SDP</u>	<u>10 Min SDP</u>	<u>15 Min SDP</u>
1 - 20 Holes	3782 - 3892	2900	1000	25,000 - 25,000#	3 - Good Action	5000	3500	20.5	1500	1000	500	Vacuum
			Had communications on perforations from 3730 - 3740, at the end of the job.									
2 - 18 Holes	3194 - 3328	2100	500	30,000 - 30,000#	6 - Good Action	2900	2350	27.0	1200	1100	1050	1050
					Used 300# Rock Salt and 300# Benzoic Acid Flakes with Ball Sealers							
3 - 9 Holes	2852 - 2906	2000	500	25,000 - 25,000#	1 - Good Action	3900	3400	23.0	2200	2000	1900	1900
4 - 18 Holes	2618 - 2770	1850	500	30,000 - 30,000#	7 - Good Action	2700	2300	26.6	1400	1300	1250	1200
					Used 300# Rock Salt and 200# Benzoic Acid Flakes with Ball Sealers							
5 - 10 Holes	2536 - 2570	2900	500	30,000 - 30,000#	1 - Good Action	3500	2300	20.5	1500	1500	1400	1400

Total Frac: 3000 gallons acid
140,000 gallons gelled water
140,000 pounds sand