

STP STATE #1

- 8/22 Allen Construction Company MI completion rig. RU unit and installed tbg head. PU 189 jts 2-3/8", 4.7#/ft tbg. Tagged btm at 6050' GL. Left tbg in hole to displace with KCL wtr in a.m.
- 8/23 RU Western Company. Mixed 400 bbl tank of 2% KCL wtr. Displaced hole with 2% KCL wtr. Tested csg to 3000 psi. Held O.K. RD Western. RU McCullough. Ran Gamma Ray Cement Bond and Sonic Seismogram logs. Had good bond to above Dakota formation. PBTB - 6043'.
Swbd well dn to 2300'. Perf'd well from 5916'-21' and 5924-44'. Had 1 shot/ft. 3-1/8" Omega II csg. gun. McCullough had problems. Did not finish until 5:30 p.m. Ran all tbg except 10 stands. SDFN.
- 8/24 Well had no pressure. Ran 10 stands tbg. RU to tbg swb. Swbd well dn. Pulled tbg. RU Western Co. Loaded hole with 1000 gal 15% HCL and 2% KCL wtr. Acid contained claymaster, 1 gal per 1000 gal and iron sequesterant. Pumped acid at 18 BPM at 2550 psi dn csg. Used 40 ball sealers. Balled well out at 3000 psi. Total load 127 bbls. Bled pressure off. RD Western Co. Ran tbg to 6035. Swbd well, no show of gas. Pulled 10 stds of tbg. SDFN.
- 8/25 Ran 10 stds tbg. Swbd AW and KCL wtr. Swbd well dn. Had very slight show of gas on tbg. Had 180 psi on csg w/well swbd dn. Est. swbd 127 bbls load (est. all load). Checked wtr samples. Water samples were SW and KCL wtr mixed. SD for weekend.
- 8/26 SD Sunday. Checked well head pressures. No pressure on csg. Could not check tbg due to well head hook up.
- 8/27 Prep to frac (dn csg) w/Western Co.
Well had 550 psi on tbg. 0 psi on csg. Bled well dn. Ran 10 stds tbg. Ran swb. Fnd F/L at approx 3200'. Pulled tbg. RU Western. Fraced well with Mini-Max III (gel fresh wtr) as follows:

<u>Volume</u>	<u># gal</u>	<u>Rate</u>	<u>Pressure</u>	<u>Total Sand</u>
5,000	pre-pad	25	2400	-----
10,000	pad	"	2200	-----
10,000	0.5	"	2200	5,000
10,000	1.0	"	2200	10,000
10,000	1.5	"	2250	15,000
10,000	2.0	"	2300	20,000
5,000	2.5	"	2300	12,500
5,000	3.0	"	2400	15,000
4,000	flush	"	2700	