

- 2-4-54 Cardinal Chemical acidized perf 8543-8556 w/1000 gals 15% XLST acid, time 57 min, inj rate .4 BPM, TP: 3600-4600-4500#, swabbed 33 BLO (all) 3 hrs, 24 BAW (all) 3 hrs, 14 bbls sulphur water 3 hrs, 400' FIH, no gas, 4 bbls water last hr.
- 2-15-54 Cardinal Chemical acidized perf 8714-8738 w/500 gals 15% XLST, TP: 4500-5500# held 1½ hrs, no inj, pkr gave way after 45 min, pulled pkr loose, rev out acid.
- 2-16-54 Cardinal Chemical acidized perf 8714-8738 w/500 gals 15% XLST acid, time 40 min, inj rate .3 BPM, TP: 5400-3000#, swab 33 BLO (all) 4 hrs, 12 BAW / 36 bbls sulphur water / 34 BFO 7 hrs, last hr 14 bbls fluid, s/o 51% sulphur water, 49% FO, slight show gas, 3000' FIH.
- 3-7-54 Cardinal Chemical washed perf 8750-8760 w/250 gals mud acid, TP: 5500#, time 1 hr, got 4 bbls in formation, swab 30 BLO / 5 BAW 3 hrs, swabbed dry last 2 hrs, no FIH, no gas.
- 3-8-54 Cardinal Chemical acidized perf 8750-8760 w/500 gals mud acid, washed by perf 4 times, pressured to 5000# each time, formation would not break, time 3 hrs.
- 3-9-54 Cardinal attempted to acidize perf 8750-8760 w/500 gals 15% mud acid, had communications, rev out acid.
- 3-10-54 Cardinal Chemical spotted 500 gals 15% mud acid over perf 8750-8760, acid on formation 1 hr 25 min, TP: 0-4800#, bleeding into formation @ 4800#, SI 15 min, pressure dropped to 500#, pressured up to 3400#, formation took acid at rate .3 BPM total 6½ bbls acid in formation @ 3400 no break, swab 29½ BLO (all) 3 hrs, 7 BFO / 12 BAW / 102 bbls salt water 11 hrs, very slight show gas, 2000' FIH, 8 bbls last hr, s/o 93% water.
- 3-13-54 Cardinal acidized perf 7378-7412 w/500 gals, time 22 min, rate ½ BPM, TP: 3700-3300-3500#, CP: pkr, swabbed 29 BLO (all) 4 hrs, 12 BAW 8 hrs, swabbed dry 4 hrs, no shows.
- 3-14-54 Cardinal acidized perf 7378-7412 w/1000 gals 15% XLST, time 23 min, rate 1 BPM, TP: 3400 3900#, CP: pkr, swab 29 BLO 4 hrs, 24 BAW 5 hrs, swabbed dry 2 hrs, very slight show gas.
- 3-15-54 Cardinal acidized perf 7378-7412 w/3000 gals 15% XLST, time 72 min, rate 1 BPM, TP: 2800-3600#, CP: pkr, swabbed 29 BLO 4 hrs, 40 BAW 6 hrs, 300' FIH, s/o 100% AW, very slight show gas.
- 3-16-54 Cardinal acidized perf 7378-7412 w/12,000 gals 15% XLST, time 240 min, inj rate 1.3 BPM, TP: 3700-3800#, CP: pkr, swabbed 29 BLO (all) 2 hrs, 108 BAW 3 hrs, last hr 13 BAW, s/o 100% AW, 3000' FIH, no gas.
- 3-20-54 Cardinal Acidized perf 6966-7015 w/1000 gals 15% mud acid, time 26 min inj rate .9 BPM, TP: 4000-3500#, CP: pkr, swabbed 27 BLO 3 hrs, 15 BAW 6 hrs, 50' FIH, very slight show gas, swabbed 3 BFO / 4 BAW 5 hrs, 50' FIH, s/o 25% AW, last hr 1 BFO / ½ BAW, slight show gas.
- 3-20-54 Cardinal acidized perf 6966-7015 w/3000 gals 15% XLST, time 50 min, inj rate 1.4 BPM, TP: 2600-3000-2800#, CP: pkr, swabbed 28 BLO 4 hrs, 69 BAW 10 hrs, 20 BFO 20 hrs, 150' FIH, 2 bbls last hr, s/o 5% AW, 2% BS, fair show gas.
- 3-21-54 Cardinal acidized perf 6966-7015 w/6000 gals 15% XLST, time 74 min, inj rate 1.9 BPM, TP: 3400-3300#, CP: pkr, swabbed 28 BLO (all) 4 hrs, 140 BAW 8 hrs, pkr started leaking, swab 186 BLO 7 hrs, 1800' FIH, s/o 3% AW, 2% BS, fair show gas.
- 3-23-54 Cardinal acidized perf 6966-7015 w/15000 gals 15% LST, time 1 hr 50 min, inj rate 3.3 BPM, TP: 2600-4350#, CP: pkr, flowed 28 BLO / 110 BAW 3 hrs, swab 26 BFO / 147 BAW 18 hrs, fluid scattered w/fair gas 4 bbl last hr, s/o 3% AW, 1% BS.
- 3-26-54 Cardinal acidized perf 6318-6324 w/500 gals 15% mud acid, time 14 min, inj rate .8 BPM, TP: 3600-3000-2900#, CP: packer, swabbed 24 BLO (all) 2 hrs, 9 BAW 3 hrs, last hr ½ bbl, no fluid or gas.
- 3-26-54 Cardinal acidized perf 6318-6324 w/1500 gals 15% XLST, time 23 min, inj rate 1.5 BPM, TP: 2800-3400#, CP: pkr, swabbed 24 BLO (all) 2 hrs, swabbed 35 BAW 5 hrs, dry in 1 hr, slight show gas, slight increase.
- 3-26-54 Cardinal acidized perf 6318-6324 w/3000 gals 15% XLST, time 50 min, inj rate 1.5 BPM, TP: 2200-3400#, CP: pkr, swab 24 BLO (all) 3 hrs, 72 BAW (all) / 10 bbl form water 8 hrs, last hr 3 bbls, s/o 100% water, 200' FIH, slight show gas.
- 3-29-54 Cardinal acidized perf 6262-6294 w/1500 gals mud acid, time 17 min, rate 2.1 BPM, TP: 2200-2600#, 19 bbl in form, before pressure, swabbed 24 BLO (all) 3 hrs, 36 BAW (all) / 15 BFO / 14 bbl salt water 14 hrs, last hour 3 bbl, s/o 30% water, 200' FIH, slight show gas.
- 3-31-54 Cardinal acidized perf 6169-6194 w/1000 gals 15% mud acid, time 23 min, inj rate 1 BPM, TP: 2200-3000#, swabbed 24 BLO (all) 2 hrs, 10 BFO / 4 BAW 2 hrs, last hr 4½ bbl, s/o 18% AW, 500' FIH, slight show gas.
- 3-31-54 Cardinal acidized perf 6169-6194 w/3000 gals 15% XLST, time 33 min, inj rate 2.1 BPM, TP: 2200-3250#, swabbed 24 BLO (all) 2 hrs, 60 BFO / 56 BAW 12 hrs, 6 bbl last hr, s/o 15% AW, good show gas, fluid scattered.