

ARCO FEDERAL "3" NO. 1

- 6-6-71 - DST No. 1: 7118'-7146', tool open 15 mins. with strong blow of air, gas to surface in 12 mins., tool shut in 60 mins., reopened tool for 2 hrs. on $\frac{1}{4}$ " choke, surface pressure 325 psig, 482 MCF/day. Tool shut in 4 hrs. on final. Recovered 270' mud cut distillate, gravity of 56.5° API @ 60° F. IHP - 3198, PFP 500, ISIP 3081, IFP 288, FFP 500, FSIP 2695, FHP - 3198. BHT 124° F.
- 6-9-71 - DST No. 2: 7616'-7686'. Did not take initial shut in, tool open 5 hrs. & 25 mins., weak blow of air throughout. Shut in 4 hrs. Recovered 570' of drilling fluid, sampler recovery - 2800 cc drlg. fluid @ 2500#. No show of oil, gas, or formation water. IHP 3373, IFP 269, FFP 308, FSIP 1596, FHP 3373, BHT - 138° F.
- 6-11-71- DST No. 3: 7800'-7850'. Tool open with strong blow on $\frac{1}{4}$ " choke, took 15 min. initial flow, drill pipe press. 60# at shut in. Shut in 1 hour. GTS in 3 mins. after shutting in, gas slightly sour. Pressure bled down to 15# on $\frac{1}{4}$ " choke during shut in. Reopened on $\frac{1}{4}$ " choke, in 10 mins. 30 psi, 20 mins. 70 psi, 45 mins. 115 psi, 1 hr. 15 mins. 105 psi, 1 hr. & 45 mins. 90 psi, 2 hrs. 75 psi, and in 2 hrs. 6 mins. mud to surface. Plugged $\frac{1}{4}$ " choke with lost circulation material and switched to $\frac{1}{2}$ " choke. Well unloaded mud and oil to pit, opened thru full 2". Flowed by heads for 2 hrs., est. 6 B.O. plus some mud and drilling water, oil 41° API @ 60°. Shut in after 4 hrs. total time open. After shut in well unloaded approx. 6 B.O. Recovered 3685' gas in drill pipe and 2930.4' gravity oil cut with 25% sulphur water, plus 1170' sulphur water. IHP - 3471, PFP 1212, ISIP 3042, IFP 885, Max. F.P. 2000, FFP 1924, FSIP 2984, FHP 3432.
- 6-20-71- DST No. 4: 8930'-8995'. Tool open 15 mins. with good blow. Shut in 60 mins., reopened tool with good blow decreasing to weak blow in 60 mins. Shut in 60 mins. Recovered 60' drilling mud, 2 cu. ft. gas, and 1000 cc mud in sampler @ 1500 psig. IHP 4132, PFP 58, ISIP 1730, IFP 58, FFP 77, FSIP 1423, FHP - 4093, BHT 150° F.

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