

Arnett-Ramsay "E" #4

Loaded hole w/144 bbls oil & treated w/500 gals MCA acid by Halliburton from 3325-3400'. TP 700#. CP O#. Inj. rate 63 gpm. Inj. time 8 min., duration 2 hrs. Swabbed 13 bbls. load oil, 2 bbls acid residue in 2½ hrs. Hydrafrac from 3325-3400' w/1500 gals. HOWCO, TP 2900#, CP O#. Pkr. Injection rate 50 gpm. Injection time 6½ hrs. Treated 3260-3325' w/ 500 gals. MCA (HOWCO). TP 800#, CP O# Pkr. Injection rate 33 gpm. Flushed w/16 bbls. acid residue in 3½ hrs. Hydrafrac 3260-3325' w/1500 gals. HOWCO. TP 2800#, CP O# Pkr. Injection rate 50 gpm. Set pkr. at 3180' & 3245', treated w/500 gals. MCA (HOWCO). TP 800#, inj. rate 15 gpm, flushed w/13 bbls oil. Duration 2 hrs. 10 min. Hydrofrac 3180-3245' w/1500 gals HOWCO. TP 3200#. CP O#. Inj rate 7 gpm. Ran 109 jts. 3359' tubing. Tubing set at 3371', perf. 3358-3362'.

RESULTS: Swabbed 99 bbls load oil and no water thru 2-3/8" tubing in 13 hrs. Flowed 22 bbls. oil thru 2-3/8" tubing on 16/64" choke in 16 hrs. TP 125#. CP O# pkr.