

FEDERAL "QQ" #1, 11,640 TD.

9/11 Howco loaded hole w/ 10.5# CaCl wtr, POW w/ tbg, DC's & bit, Schl ran GR-Collar-Corr log from 10,000-11,582 PB, SD for nite.

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9/12 Schl set Baker 7" Model D pkr @ 11,150, ran 2-7/8 N-80 tbg OE to 11,173, Type F SN w/ 2.25 ID @ 11,162, Baker latch-in seal assembly @ 11,150, Baker ER recpt w/ 2.25 ID @ 11,134 365 jts 2-7/8 N-80 tbg tested to 5000# while running, SD for nite.

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9/13 Cecil Horne Wire Line Co set plug in ER recpt @ 11,134, rel tbg from recpt, Howco displ hole w/ 9.5# TSW, latched back onto recpt, remove BOP, inst'l tree, test tree to 5000#/15 min/ok, Sw tbg dry to 7000 in 2 hrs, Cecil Horne Wire Line Co ret plug from 11,134, SD for nite, prep to perf Morrow zone.

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9/14 Schl perf 7" csg in the Morrow using 2" OD thru tbg gun @ 11,234-240; 11,252-264; 11,387-398; 11,437-446; 11,515-525; & 11,538-11,548 w/ 1 JSPP, total of 64 holes, no press increase after perf, sw tbg dry to 11,134, SI 14 hrs, TP zero, prep to acidize.

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9/15 Ran sw to 11,134 three runs, rec 1 bbl wtr, mud & BS, MI&RU Western Co to acidize perfs, SD for rain & hail, SI 16 hrs, TP sl vac, prep to acidize.

9/16 Western Co acidized Morrow perfs 11,234-11,548 w/ 5000 gals 7½% MS acid, used 75 RCNBS, flushed w/ 75 bbls 2% KCL wtr, pumped 5000 S Cu Ft N2 pad followed by acid, all acid & flushed contained 1000 S Cu Ft N2/bbl, TTP 6000-7200, AIR 8.3 BPM, ISIP 4450, 5 min SIP 4200, job compl @ 9:15 a.m. 9/15/73, open to pits, fl past 21 hrs on 48/64 ck, TP 200, cont to test.

9/17 Fl gas to pits 8 hrs on 32/64 ck, TP 800, SI 4 hrs, TP 3500, RD & Rel unit @ 4:00 p.m. 9/16/73, Rel well to Prod @ 8:00 a.m. 9/17/73 to hook up prod equip.

9/17 Prep to hookup test equip.

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9/18 Hooking up test equip.

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9/19 Ready to test, prep to take 4-pt test.

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9/20 Took 4-pt test, now calculating NM OCC CAO, Well SI 7:00 p.m. 9/19/73.

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9/21 NM OCC POT: SITP 3785 - 4-pt test:

Pt 1: 10/64 ck, 1.677 MMCFGPD, TP 3420, no fluid.  
Pt 2: 12/64 ck, 2.398 MMCFGPD, TP 3222, no fluid.  
Pt 3: 13/64 ck, 2.922 MMCFGPD, TP 3047, no fluid.  
Pt 4: 15/64 ck, 3.623 MMCFGPD, TP 2714, no fluid.  
Now CAO.