

FEDERAL "LL" #1, 12,090 TD.

- 9/18 Western Co acidized Canyon perfs 10,295-10,306 w/ 5000 gals 15% NE acid, used 20 RCNBS, flushed w/ 45 bbls CaCl wtr, TTP 4600-5300-4600, AIR 4.5 BPM, ISIP 2800, 5 min 2750, job compl @ 5:00 p.m. 9/17/73, F 45 BLW to pits/30 min, fl 40 BAW to test 12 hrs on 16/64 ck, TP 1100, cont to test.
- 80 BAW.

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- 9/19 F 80 BAW/24 hrs on 16/64 to 1" ck, TP 1100-200-150, prep to run compl equip.

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- 9/20 Howco killed well w/ 95 bbls CaCl wtr down tbg, rel pkr, washed sd off PB @ 11,035, ret BP, pulled & set BP @ 5712, test plug w/ 1000#/ok, SD for nite, prep to change out wellheads.

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- 9/21 Changed out wellheads from triple to a dual head, ret BP @ 5712, POH w/ 2-3/8 tbg, pkr & ret BP, ran top part of Baker ER recpt on 4 jts 2-3/8 Buttress tbg testing to 5000# while running had gas head blow 4 jts of tbg out of hole, closed BOP, left well on ck overnite, CP zero, prep to run Morrow tbg.

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- 9/22 Howco attempted to kill well, pumping in csg w/ no success, instl single BOP & stripper head, ran 2-3/8" Butt tbg OE to 8616, SD for nite.

- 9/23 Howco circ gas out of hole @ 8616, POH w/ 2-3/8" Butt, ran Baker on & off tool on 34 jts 2-3/8" N-80 Butt tbg, 1046', 30' of 2-11/16" O.D. Odis blast tbg, 2-3/8" x 4' EUE 8rd sub, 2 jts 2-3/8" N-80 Butt tbg, Baker 7" hydrostatic set dual A-5 pkr on 300 jts 2-3/8" N-80 Butt tbg, SD for nite.

- 9/24 Howco circ gas off, finish running 2-3/8" Morrow tbg to Baker ER receptacle @ 11,360, latched onto receptacle, landed tbg w/ 8000# ten, test tbg to 3000# ok, ran Baker snap latch 2.68' long 2-3/8" x 8' sub, Model L PSI SS, 317 jts 2-3/8" Butt tbg (Canyon string) SD for nite.

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- 9/25 Howco circ gas out of csg, finish running Canyon tbg 2-3/8" N-80 Butt to Baker hydrostatic A-5 dual pkr @ 10,206 w/ SS @ 10,195, landed tbg w/ 14,000# wt, remove BOP, instl & test dual tree, SD for nite.

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- 9/26 Sw Morrow tbg dry to 5500 in 2 hrs, Cecil Horne Wireline Co ran equalizing prongs to plug in Morrow tbg, unable to equalize press, sw tbg dry to 7500, rerun wireline tools, unable to reach plug, sw tbg dry to 10,200, started making gas, load tbg w/ 20 BW, ran ret tool on wireline, unable to catch plug, ran bailer 2 runs, rec frac sd then Cecil Horne ran & set plug in dual pkr, Howco press up on Canyon tbg, set dual pkr @ 10,206, open SS @ 10,195, Howco displ csg w/ 10# TSW, then Cecil Horne closed SS @ 10,195, then from Canyon perfs F LW to pits on 48/64 ck 3 hrs, closed in, SITP on Canyon 1500#, Cecil Horne CO in Morrow tbg w/ bailer, ran ret tool, caught plug, unable to pull plug, cut line on top of rope socket, sw Morrow tbg dry to 7500, ran fishing tools, rec fish & plug from Morrow tbg, TP 4500, prep to flow well to pits.