

C. L. O'BRIEN #1, Lig cap Field, Chaves Co, N.M. OBJECTIVE: Recompleting by perforating Bough "C" zone, dually completing w/ Devonian zone.

12/31/68 8115 TD, 8017 PBTD, Dev (7963-8016).

MIRU Mesa Well Serv DD unit, kill well w/ 120 bbls TSW, inst'l BOP, picked up tbg. SD for nite.

C. L. O'BRIEN #1, 8115 TD.

1/2/69 Remove BOP, welder heated slips in tbg hanger, reinstall BOP, POH w/ tbg, Dresser-Atlas ran GR-Collar-Corr log from 7000 to 8012. SD for nite.

C. L. O'BRIEN #1, 8115 TD

1/3 WO Dresser-Atlas 5 hrs to load perforating guns, then perforated 7" csg in the Devonian 7914-7944, 30' 30 holes, then perforated Bough "C" formation 7130-33, 7138-40 and 7146-7168, 27' 27 holes, SD for nite - prep to run BP and pkr and test.

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1/4 SI 14 hrs CP 1100#, Runco Acidizing Co. pumped 234 BTSW down csg, CP 1100-0, ran Howco RTTS pkr on 2-3/8" tbg to 2500, well started flowing, pumped 120 BTSW down tbg, SD for nite.

1/6 SI 12 hrs TP 1400, CP 1400, pumped 245 TSW down tbg, killing well, then ran Howco BP & RTTS pkr on 2-3/8" tbg, set BP @ 7950, pkr @ 7850 (used add'l 415 BTSW, keeping well dead while running tbg), SD for nite, SI 10 hrs, TP 200, CP 600, FL 34 BLW/2 hrs on 1" ck, TP 200-0, P 90 BTSW down csg, communicated to tbg. SD for nite. Prep to check for tbg leak.

C. L. O'BRIEN #1, 8115 TD

1/7 SI 12 hrs, TP 1400#, CP 1100#, pumped 330 BTSW down tbg drop standing valve tested tbg, tbg leaked, communicated to casing, SD for nite, prep to pull tbg and pkr and test tbg in hole.

C. L. O'BRIEN #1, 8115 TD

1/8 SI 12 hrs, TP 150#, CP 150#, bled off press, pump 120 BTSW down tbg, POH w/2-3/8" tbg and RTTS pkr, rerun 120 jts testing to 5000#, found 4 bad joints-SD for nite

C. L. O'BRIEN #1, 8115 TD

1/9 SI 12 hrs, TP 0, CP 150#, bled off press pumped 50 BTSW down tbg, ran RTTS pkr to 7850', then from Dev perfs 7914-44 sw 35 BLW/1-1/2 hrs, 4000 FIH, Runco Acidizing Co. acidized perfs w/1250 gals 15% NE acid using 30 RCN ball sealers, TTP 2300-3300# rate 4.2 BPM, ISIP 900#, 1 min on Vacuum, job complete @ 2:00 P.M. 1/8/69, then sw 45 BLW/3 hrs, L hr sw 15 Bbls S/O 100% wtr, gd sh of gas, SD for nite.

C. L. O'BRIEN #1, 8115 TD, Dev Perfs (7914-44)

1/10 Sw 83 BLW/9 hrs, L 3 hrs sw 5 Bbls/hr, S/O 100% wtr, gd sh of gas, 1500' scattered fluid in hole, SD for nite.

C. L. O'BRIEN #1, 8115 TD, Dev Perfs (7914-44)

1/11 SI 12 hrs TP 500#, bled off press then sw 24 BLW/5 hrs, L hr sw 3 Bbls S/O 100% wtr, 1500' scattered fluid in hole, gd sh of gas, reset BP @ 7850 and RTTS pkr @ 7085 from Bough "C" perfs 7130-7168 sw 38 BLW/3 hrs, L hr sw 4 Bbls, S/O 100% wtr 500' FIH, gd sh of gas, SD for nite.

1/13 8115 TD, Bough "C" Perfs (7130-7168)

SI 12 hrs, TP 2200#, bled off press, sw 6 BLW/2 hrs, then Runco Acidizing Co. acidized perfs 7130-7168 w/1000 gals 15% NE acid using 27 RCN ball sealers, TTP 2100-4200# rate 2.7 BPM, ISIP 1400#, 5 min SIP 400#, job complete 1:00 P.M. 1/11/68, sw 32 BLW/1 hr, kicked off and flowed 63 BLW + 33 BNO/4 hrs on 32/64 ck, TP 300#, L hr Fl 17 bbls S/O 70% wtr, SI 12 hrs, TP 3000#, then Fl 48 BNO + 50 BLW in 9 hrs on 18/64 ck, TP 600#, L hr Fl 14 Bbls S/O 50% wtr, SI 30 min, TP 1600#, SD for nite.