

Union Oil Company of California

RINCON UNIT WELL NO. 256

API# 30-039-24561

N-16-27-N-R-6-W

Rio Arriba County

- 6/26/90 MIRU PU, ND tree & NU BOP. POH w/prod tbg & set 4-1/2" CIBP on WL @ 3130'. P-tstd csg to 1500#, ok. Perfd 2610-14' @ 1 SPF, broke circ to surf. R&S cmt rtnr on 2-3/8" tbg @ 2560'. Pmpd 342 of 700 sxs "B" PCL w/6% gel, .8% CF-1, 1/4# per sx Hi-Seal @ 12.2 - 13.1 ppg @ 3.8 - 1.1 BPM, 1500-3800# & lost rtns. Pmpd 24 of 250 sxs "B" Neat @ 1.1 - 2 BPM, 380#. Tbg press broke 3800-3000# & csg press broke 1500-0. Att to PU f/rtnr. Tbg stuck in rtnr.
- 6/27 RU Howco WL & ran free pt thru 2-3/8" tbg, set dwn @ 1380'.
- 6/28 Howco Chem cut 2-3/8" tbg @ 1364' (WLM), POH & rec 1364' tbg. RIH w/ 3-3/4" OS x 2-3/8" grapple & eng fish @ 1380'. Wrkd fish free. Wrkd cmt rtnr stinger thru tight spot @ 1410' & stuck @ 1388'.
- 6/29 RIH w/3-3/4" drive block & push fish thru collapse @ 1388'. Pushing fish to btm.
- 6/30 Ran 3-7/8" swage on BHA, work clpsed csg 1387-89'.
- 7/1 SDOS.
- 7/2 RIH W/ 3-7/8" smooth OD round nose mill. Dress out 1381-87'. RIH w/ 3-5/8" swage 1388-92'.
- 7/3 PU 3-1/4" swage. Tag up @ 1394'. Work swage to 1401'. Fell free. Work thru tight spot for 1-3/4 hrs. RIH w/ 3-1/2" swage. Work thru tight spot in 2-1/4 hrs. RIH w/ 3-5/8" swage. Work thru tight spot 1389-1401' in 3 hrs.
- 7/4 SDOH.
- 7/5 RIH w/3-3/4" swage. Worked swage from 1389-1393'. Very tight. RIH w/ 3-11/16" swage. Worked thru tight spot 1390-1401' in 1-3/4 hrs.
- 7/6 RIH W/ 3-11/16" swage. Tag tight csg @ 1393'. Work thru csg 1393-1401' f/3 hrs. RIH w/ 3-3/4" swage on same BHA. Work thru tight csg 1390-1401' f/5 hrs. Very tight.
- 7/7 Worked 3-3/4" swage 1390-1401' for 4-1/2 hrs. Min drag. TOH. RIH w/ 3-13/16" swage. Worked swage thru tight csg 1389-1401' f/3 hrs, very tight.
- 7/9 Worked 3-13/16" swage thru tight csg 1389-1401' f/4 hrs. Min drag. RIH w/ 3-7/8" swage on same BHA thru tight csg f/3 hrs. Still very tight.
- 7/10 Worked thru tight csg f/1389-1401' w/ 3-7/8" swage f/5 hrs w/6-8000# drag last 1-1/2 hr. TOH, PU 2-3/8" EUE 8rd screw-in sub, TIH to 2093', screw into fish, TOH. LD 15 jts cmt plugged tbg & cmt rtnr stinger.

- 7/11 Perf 4-1/2" csg w/ 3-1/8" csg gun w/2 JSPF in 90° phasing f/1260-64' (total 4 holes). Set cmt rtnr @ 1206'. Cmt 4-1/2" x 7-7/8" annulus w/345 sxs Class "B" Neat mixed @ 15.6 ppg @ 3-2-2-1/2 BPM, 300-1000-500 psi. Circ 35 sxs cmt. Closed annulus valve, put away 1-1/2 bbls cmt @ 500-1000 psi, rev tbg clean. TOH.
- 7/12 TIH w/ 3-7/8" bit, 10 3-1/8" DC's on 2-3/8" tbg. Drld cmt f/1201-1206', drld cmt rtnr @ 1206'. Drld hard cmt 1206-1264' (btm sqz perf). Tst csg to 1000 psi, bled to 800 psi in 3 min, 350 psi in 15 min. TOH.
- 7/13 RIH w/Baker 4-1/2" fullbore pkr & set @ 1278' (between sqz perfs & swaged area). Press tstd to 1000 psi. Swaged area bled to 800 psi in 2 min & held 800 psi. Sqz perfs bled to 700 psi in 1 min. Lowered pkr to 1468' (below swaged area) & tstd to 1000 psi, ok. Re-set pkr @ 1247' (above sqzd perfs), tstd csg to 1000 psi, ok.
- 7/17 PU 3-7/8" cutrite string mill & RIH. Tag up @ 1383'. Milled f/1383-1393', 10' in 7-1/2 hrs. Fell free. Worked thru tight spot 1383-93' for 2-1/2 hrs. Still torqueing thru tight csg.
- 7/18 RIH w/rebuilt 3-7/8" cutrite string mill on same BHA. Worked thru bad csg 1383-1393' f/4 hrs. No measurable torque. Rec'd small amts cmt. TOH. RIH w/Baker 4-1/2" "FB" pkr on 2-3/8" tbg. Set pkr @ 1278'. Press csg below pkr to 1350# (1) 1200# (5) 910# (10) 720# (15) 600#. Rel press. TOH w/pkr.
- 7/19 Apollo ran 40 ARM Caliper log f/1610-1000'. Log indic 100% metal loss f/1375-1388' (poss split csg) w/min metal loss 1388-1392'.
- 7/21 RIH w/Baker RBP on 2-3/8" tbg, set @ 1354'. RIH w/tbg OE'd. Spot 50 sxs (10.5) bbls Class "B" cmt w/4/10% Halad 344 + .75% CFR-3 mixed @ 15.6 ppg f/1372-695'. Sqzd perfs 1260-64' w/2.8 sxs cmt @ 1500 psi. TOH. Press csg to 1500 psi, SWI.
- 7/22 RIH w/ 3-7/8" bit. Tag TOC @ 1088'. Drld 186' cmt f/1088-1274'/4 hrs. Tstd sqz perfs 1260-64' to 1500 psi, held 15 min, ok. TOH. RIH w/ret hd. Latch onto RBP. TOH w/RBP.
- 7/24 PU 30' Howco csg patch on 2-3/8" tbg. TIH to 1397'. Set csg patch f/1397-1367'. Tst csg patch to 1000 psi. Bled to 800 in 2 min.
- 7/25 FIH. TOH, LD csg patch setting tool, tst csg to 1000 psi f/30 min, ok. Tst witnessed by Charles Gholson, NM Oil Conservation Div. PU 3-1/2" mill, 10 3-1/8" DC's on 2-3/8" tbg. TIH to 2560', drld cmt rtnr in 5 hrs. Drld cmt f/2561-2585'. Circ hole clean.
- 7/26 Drld hard cmt f/2585-2616'. Circ hole clean. Tst csg & sqz perfs 2610-14' f/15 min @ 1000 psi, ok. TIH to 3130'. Drld CIBP @ 3130' in 2-1/2 hrs. TIH to 3320' ETD. POH, R&L 101 jts (3189') 2-3/8" 4.7# J-55 EUE 8rd tbg @ 3201' w/SN @ 3200'. ND BOP, NU tree. Swbd 8 BW in 2 runs, F-lvl 1000'-surf. Flwd well to pit on 48/64" chk w/heavy mist f/2 hrs, light mist f/4 hrs. FTP - TSTM, CP 235 psi. Recv'd est 40 BW in 14 hrs.
- 7/27 Flwd well to pit f/3 hrs on 48/64" chk, FTP - TSTM, CP 225 psi. OFF REPORT.