

SANTA FE PACIFIC #3, Crossroads "Dev" Fld, Lea Co, NM. OBJECTIVE: Sq existing OH sec, perf upper section and stimulate.

7/30/68 12,263 TD, Dev OH (12,240-263).

MIRU Baber Well Serv DD unit, prep to pull Reda pump.

SANTA FE PACIFIC #3, 12,263 TD.

7/31 Pulled 9 stands 2-7/8 tbg & Reda pump in 2 hrs dragging, had $\frac{1}{2}$ " thick salt rings on tbg, pumped 79 BFW down csg in 6 hrs, CP Vac to 1000#. SD for nite.

SANTA FE PACIFIC #3, 12,263 TD.

8/1 P 150 BFW down csg, tbg & pump free, POH w/ 2-7/8 tbg & Reda pump, inst'l BOP, ran 4-3/4 bit & $5\frac{1}{2}$ " csg scraper on 65 jts 2-3/8 tbg. SD for nite.

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8/2 Ran bit & 7" csg scraper on 2-3/8 tbg to 6660, stopped, POH, ran 5-3/4 LIB on SL to 6660, indicated springs off Reda pump. SD for nite. Prep to run magnetic basket.

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8/6 Finish running 7" csg scraper to 12,238, POH, Schl ran GR-N-Collar-Corr log from 11,480 to 12,272, Schl meas, then set Howco SVDC retainer in 7" csg @ 12,235, Schl meas, ran Howco stinger on 2-3/8 tbg to 12,235, latched into ret. SD for nite. Prep to squeeze.

SANTA FE PACIFIC #3, 12,263 TD.

8/7 Howco attempted to sq Dev OH zone 12,240-263 w/ 300x T1N cement, TP 1100 to vacuum, overdisplace w/ 10 BW, job compl @ 9:15 a.m. 8/6/68, WOC 8 hrs, Howco attempted to sq OH zone w/ 300x T1N cement, TP 1100 to vacuum, overdisplace w/ 4 BW, job compl 6:00 p.m. 8/6/68, WOC, prep to sq.

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8/8 Howco attempted to squeeze Dev OH zone 12,240-263 w/ 600x T1N cement, FTP 1100 to vac, pump rate 4 BPM @ 1950#, job compl @ 9:30 a.m. 8/7/68, WOC 8 hrs, Howco attempted to sq OH zone w/ 300x T1N cement w/ $\frac{1}{4}$ " flocele per sx, PP 2300, rate 4.0 BPM, FTP 1100 to vac, job compl 6:30 p.m. 8/7/68. SD for nite. WOC.

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8/9 Press up to 6000#, bled to 5000# $1\frac{1}{2}$ min, pumped $\frac{1}{4}$ BPM @ 5900, Howco spotted 100x T1N cement containing $\frac{1}{4}$ " flocele per sx, then attempted to sq OH zone, TP 5900 to zero, rate 5.5 BPM, final TP 0, then Howco attempted to sq w/ 200x T1N cement containing $\frac{1}{4}$ " flocele per sx, TP 1100-0, overdisplace w/ 10 BBS wtr, job compl @ 11:00 a.m. 8/8/68. WOC.

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8/10 Pumped into OH zone 3 BPM @ 2800#, Howco attempted to sq OH zone w/ 200x Incor Neat containing .08% Halad 9, stopped cement 6 bbls above SV DC ret, pull stinger out of retainer, attempted to rev out cement, lost circ, SV DC ret apparently cut out, set stinger back in pkr, displ cement @ 4 BPM @ 1500#, POH w/ 2-3/8 tbg & Howco stinger, SD for nite, prep to run SV DC ret on tbg.

8/12 Ran Howco 7" SV DC ret on 2-3/8 tbg, set @ 12,232, pumped into form @ 4 BPM @ 2200#, then Howco cemented w/ 200x Incor Neat cement containing .08% Halad 9, stopped cement 10 bbls short, SD 5 min, pulled stinger out of ret, rev out 6 bbls cement, job compl 3:00 p.m. 8/10/68, press up to 2500# on ret/ok, POH, w/ stinger, ran 6" bit to 12,230, displ hole w/ lease oil. SD for nite.

SANTA FE PACIFIC #3, 12,265 TD, 12,232 PBTD.

8/13 Runco Acidizing Co spotted 500 gals 15% NE acid on bottom, POH, w/ tbg & bit, Schl perf 7" csg in the Dev @ 12,212-218, 6' w/ 2 JSPP, total 12 holes, press up to 1000# on 7" csg, no break, 15 min, rel press, ran 7" Guib KV30 pkr on 2-3/8 tbg to 10,000'. SD for nite.