

E. K. QUEEN UNIT TR 3 #4, E-K Yates Seven Rivers Queen Field, Lea Co, N.M.
OBJECTIVE: Squeeze Queen OH section, perforate additional Queen pay &
stimulate to improve injection profile. AFE 6248 - Mobil Intr 0.7712570 -
Est Cost Gross \$6000.

6/21/68 4432 TD, 5½ csg @ 4431, Queen (4387-4407).
MI 2-7/8 work string tbg, dug pit, back flowed well to pit 6 hrs,
rec 600 BW. MIRU DA&S Well Serv SD unit. SD for nite.

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6/22 Work stuck pkr 2½ hrs, work loose, pull 139 jts 2-3/8 CL tbg w/ Johnston
Tension pkr & 1 jt fiber glass tail pipe, ran 3½ SP, CO 4415-32, 17' in
2½ hrs, ran 4½ bit & csg scraper on 143 jts 2-7/8 tbg to 4432, circ hole
clean 1½ hrs, pull 10 jts of tbg. SD for nite.

6/24 Finish pulling tbg, scraper & bit - Worth Well ran Howco SV DC ret to 4420
corrected TD, then set ret @ 4415-17, ran Howco stinger on 2-7/8 tbg 4412,
circ hole, set in ret @ 4415, press up to 3000#/15 min - no break, pull tbg
& stinger. SD for week end.

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6/25 SD past 24 hrs, prep to squeeze Queen perfs (4387-4407).

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6/26 Ran Howco RTTS pkr on 2-7/8 tbg set in 5½ csg @ 4233, Howco squeezed
Queen perfs 4387-4407 w/ 300x Incor Neat cement, Max Press 4000, rev out
100x, job compl @ 12:30 p.m. 6/25/68, WOC 2 hrs, pull tbg & pkr, ran 4-5/8
bit, csg scraper on 2-7/8 tbg to 4000, SD for nite, prep to drill out cement
to 4415.

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6/27 RU Oilfield Rental reverse unit, drill cement in 5½ csg from 4235 to 4415 PBTD,
circ hole clean, tested csg w/ 2000#/30 min/ok, SD for nite, prep to pull bit
& perf.

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6/28 Chemical Engr Co spotted 500 gals acid on bottom, pulled tbg & bit, Worth
Well perf 5½ csg in the Queen sd @ 4362; 64; 70; 72; 76; 79; 81; 89; 91; 94;
99; 4401; 03; & 4405 w/ 2 JSPF, total of 28 holes, ran Howco ret BP & RTTS,
acidized perfs 4389-4405 OA w/ 1500 gals 15% iron stabilized acid + 4500 gals
fresh wtr containing 2 gals of Adomal/1000 gals, TTP 1900 to 2400, rate 3.5 BPM,
ISIP 1700, 5 min 900, then moved pkr & BP & treated perfs 4362-4381 w/ 1500 gals
iron stabilized acid + 4500 gals freshwtr containing 2 gals Adomal/1000 gals,
TTP 1900 to 3400, rate 3.5 BPM, ISIP 1700, 5 min SIP 1000, job compl 5:00 p.m.
6/27/68. SD for nite.

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6/29 Pulled tbg, RTTS & RBP, PU & ran Guib S.T. pkr on 139 jts 2-3/8 CL tbg w/
fiber glass tail pipe, F.G. tail pipe @ 4326, pkr @ 4295, set w/ 12,000# T
Rel DA&S unit @ 4:00 p.m. 6/28/68. Rel to Prod Foreman.

6/30 Inj 835 BSW/15 hrs, TP 0-1200 psi.

7/1 Inj 1147 BSW/24 hrs, TP 1200-1315 psi.

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7/2/68 Inj 1054 BSW/24 hrs, TP 1360 psi.
Before W/O: Inj 943 BSWPD @ 1750 psi. Complete.
FINAL REPORT.

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7/3/68 CORRECTION: Inj TP 1725 psi rather than reported 1360 psi.
FINAL REPORT.