

- 7-29-96 PU Halliburton, EZ drill 5-1/2" cmt retainer, TIH to 4268', clear tbg, set cmt retainer, sting out, circ backside, sting in load BS w/500 psi, break circ once circ established. Cmt csg w/1055 sx Class "C" Premium Plus w/0.25% CRF-3, 1/4# Flocele/sk 2.5% Econolite, 1/4# D-AIR, 0.5% Halad-9 lead & tail in/100 sx Class "C" Premium Plus w/10# MicroBond. Circ 105 sx to surf. Displace w/9 bbls, shut dwn 10 mins, shut in backside. Displace w/6 more bbls, pressure up to 1400 psi, shut dwn, wait 10 mins, press up again, appears locked up, sting out, check valve, valve holds. Reverse out tbg, RD Halliburton, POOH w/tbg. Leave well SI for 48 hrs, prep to drl out 7-31-96.
- 7-31-96 Drl out cmt retainer & cmt to 4313', test csg to 1000 psi, POOH w/bit, PU csg scraper & RIH to PBTD. Circ hole w/2% KCl, POOH & LD scraper & DC. RIH w/4" selectfire csg guns, perf Lower Blinbry w/0.44" 19.5 gm charges from 5551'-5593', 5606'-5628' & 5701'-5769' (37 holes).
- 8-1-96 Sopt acid across perfs, set pkr @ 5450', break dwn perfs @ 1900 psi. Acidize perfs w/6000 gals 15% NEFE HCl & 60 ball sealers @ 3376 psi avg pressure @ 5.8 BPM AIR. Ball action to 3661 psi, no ball out.
- 8-2-96 GIH w/3-1/2" frac tbg & set pkr @ 4875', changed rams in BOP, load annulus pressure to 500 psig, frac perfs dwn tbg w/25# Delta Frac & 16/30 mesh Ottawa sand, total job 45208 gals, 76458# sand, ISIP 1894 psig, 5 mins 1188 psig, 10 mins 1143 psig, 15 mins 1083 psig.
- 8-3-96 Release pkr & stand back 3-1/2" tbg, tag up fill @ 5390'.
- 8-5-96 GIH w/4" csg guns, perf Upper Blinbry w/0.44" 19 gm charges from 5261'-5296', 5312'-5386', 5458'-5487', 5502' (39 holes). RIH w/wireline, set tbg RBP @ 5335'. RIH w/bailer & dump 2 sx sand on RBP, RIH w/pkr & 3-1/2" tbg & try to test RBP, would not test, PU to 5139' & test pkr, pkr would not go dwn, dragging up. Held OK @ 5139'. Release pkr & spot 6 bbls acid across perfs, POOH w/tbg & pkr. RIH w/new pkr @ 5139'. Test annulus to 500 psi, break dwn perfs & acidize w/2000 gals 15% NEFE HCl @ 7 BPM. NU & frac dwn 3-1/2" tbg
Spearhead 4000 gals acid ahead

<u>Stage</u>	<u>Volume</u>	<u>Rate</u>	<u>Pressure</u>
Acid	4000 gals	12 BPM	2530 psig
Pad	28010 gals	41 BPM	4690 psig
204 ppg	12537 gals	46 BPM	6605 psig
Flush	478 gals	32 BPM	7300 psig

Screened out on 3#/gals sand, 25000# sand in perfs, left 6000# sand in tbg.

- 8-6-96 RIH w/coil tbg, tag up @ 4810', wash sd to 5300', lose circ, POOH to 5100', circ lean, POOH w/coil tbg, un set pkr & POOH w/3-1/2" workstring. PU retrieving head & TIH w/2-3/8" tbg. Tag up @ 5300', wash sd to RBP, circ clean. Work to catch plug & release. RD swivel. POOH w/plug & tbg. Log from 5805'-5000', frac treatment 5248'-5412', 5558'-5605'.
- 8-7-96 Well flowing on full op 1" choke, flowing back a lot of sand, will retry acid & frac job when well stops flowing sand back.