

- 06/18/94 8909' (107')(Day 21) DST # 1 8790-8909'. Bit #7 - 7 7/8" HTC ATJ-44C, 319' in 18 1/4 hrs. Depth out 8909'. 4 1/2 hrs drld, 4 1/2 hrs circ samples & clean hole for DST #1, 1/2 hr spot visc pill on btm, 4 1/2 hrs TOH w/bit #7, SLM no correction, 2 1/2 hrs PU Baker DST tools & make up same, 4 1/4 hrs TIH w/DST #1, 3 1/2 hrs open DST #1 & test Wolfcamp zone. (1/2 deg @ 8909'). Had drlg break from 8814' to 8821'. MW 9.5, Visc 29, WL 16, PH 9.5, chl 66,000 ppm.
DST #1 8790-8909' (119' Wolfcamp). 3/4" btm hole choke, 1/4" surface choke, 0' of wtr blanket. Tool opened for 15 min pre-flow & 90 min final flow. Pre-flow opened w/good blow, 14 oz in 15 min, closed tool for 90 min ISIBHP. Final flow opened w/strong blow, increased to 7# in 4 min then decreased to 4 oz at end of 90 min FFP. Gas to surface in 45 min. Closed tool for 240 min FSIBHP. Recovery from drill pipe - 45' oil, 727' mud, 67,000 ppm chl on mud samples recovered from DP. Recovery from sample chamber - 55 psi, 2600 cc capacity, .26 cf gas, 625 cc oil, Gravity 40 @ 60 deg, 675 cc drlg mud, 67,000 ppm chl on mud samples. Pit mud 66,000 ppm chl.
HMP IN 4118 psig OUT 4137 psig
15 min preflow FBHP 53 psig to 90 psig
90 min ISIBHP 1580 psig
90 min final flow FBHP 90 psig to 123 psig
240 min FSIBHP 2246 psig.
Conclusive test by Baker Oil Tools.
- 06/19/94 9042' (133')(Day 22) Drlg. Lime. Bit #7 - 7 7/8" HTC ATJ44C, 452' in 26 3/4 hrs. 3 1/4 hrs finished DST #1, 5 1/4 hrs TOH w/DST #1, 1 3/4 hrs LD DST tool & load out, 4 hrs TIH w/7 7/8" bit, 3/4 hrs washed to btm, 8 1/2 hrs drld. MW 9.5, Visc 30, WL 19, FC 1/32, pH 9.5, solids 1%, chl 66,000 ppm.
- 06/20/94 9294' (252')(Day 23) Circ & cond hole for DST #2. Bit #7 - 7 7/8" HTC ATJ-44C, 704' in 48 3/4 hrs. 22 hrs drld, 2 hrs circ samples for DST #2 @ 9294'. MW 9.2, Visc 30, WL 6, FC 1/32, pH 9.5, chl 68,000 ppm.
- 06/21/94 9294' (0')(Day 24) DST #2. Lime & shale. Bit #7 - 7 7/8" HTC ATJ44C, Depth out 9294'. 11 hrs circ & raising drlg fluid weight from 9.2 to 9.5+ to control flow, 5 hrs TOH for DST #2, 1 1/2 hrs PU DST tools, 4 hrs TIH w/DST #2, 2 1/2 hrs tested. MW 9.5, Visc 30, WL 5, FC 1/32, pH 9.5, chl 142,000 ppm.
- STATE 11 #1, (Cont'd)
06/22/94 9375' (81')(Day 14) Drlg. Lime & shale. Bit #7 - 7 7/8" HTC ATJ44C 785' in 55 1/4 hrs. 4 hrs DST #2, 1/2 hr reversed out oil, 5 hrs TOH w/DST #2 tools, 1 1/2 hrs break out & load out DST tools, 4 1/2 hrs TIH w/bit #7, 1 1/2 hrs circ out gas, 1/2 hr unplugged flowline pkr rubber, 6 1/2 hrs on btm, drld. MW 9.7, Visc 31, WL 7, FC 1/32, pH 10, chl 145,000 ppm.
DST #2 9275-9294' (19' Wolfcamp). 3/4" btm hole choke, 1/4" surface choke, 0' wtr blanket. Tool had no preflow & opened for 90 min final flow. Preflow opened w/good blow, gas to surface in 14 min, trying to close tool for ISIBHP, torqued up DP 2nd time, tool went past ISIBHP mode. Final flow opened - 1 flow, 15 min flow period, gas to surface in 14 min, increased to 137# on 1/4" choke at end of 90 min period w/gas flow rate of 223 MCFPD. Recovery from DP - 923' oil, no wtr, gravity 48 @ 60 deg API. Recovery from sample chamber - 600 psi, 600 cc oil & 200 cc drlg mud, 125,000 ppm chl, 3.2 cf gas, oil gravity 48 @ 60 deg API, mud sample from pit 138,000 ppm chl.
HMP IN 4603 psig OUT 4604 psig
15 min preflow FBHP 164 psig to 210 psig
No ISIBHP
No final flow FBHP
300 min FSIBHP 4580 psig.
BHT 143 deg @ 9294'.
- 06/23/94 9642' (276')(Day 26) TIH. DP leak 11 stds from surface. Bit #7 - 7 7/8" HTC ATJ-44C, 1052' in 78 1/4 hrs. 23 hrs drld, 1 hr short trip, hole in DP 11 stds down from surface. MW 9.7, Visc 32, WL 8, FC 1/32, pH 10, chl 142,000 ppm.
- 06/24/94 9894' (252')(Day 27) Drlg. Lime & shale. Bit #7 - 7 7/8" HTC ATJ44C, 1304' in 100 3/4 hrs. 22 1/2 hrs drld, 3/4 hr trip TIH, 3/4 hr slope test (1 3/4 deg @ 9791'). MW 9.8, Visc 32, WL 7, FC 1/32, pH 10, solids .90%, chl 149,000 ppm.