

NWP 15-11-S 11-246-4W

HISTORY OF WELL

Drld 8-3/4" hole to 6365. DST #1 from 6276-6365. Tool open 5 mins, SI 30 mins and open 4 hrs. OTS in 1 hr SI mins. Recovered 1350' fluid - 870' hvy GCM and 480' sli WOCM. IFF 418. FFP 595. ISIP 2642. FSIP 1728. Drld to 6417'. DST #2 from 6374-6417 - tool plugged. DST #3 from 6376-6417. Open 2 hrs, SI 1 hr. Recovered 850' fluid - 310' muddy wtr and 540' drlg mud. IFF 390. FFP 418. FSIP 845. Drlg to 7186 and ran DST #4 from 7123-7186. Open 4 hrs. OTS in 13 mins. Recovered 147' fluid - 88' sli GCM and 59' hvy GCM. ISIP 700. IFF & FFP 55 psi. FSIP 415. Coring on Core #1

Core #1 from 7186' to 7246'. Cut and recovered 60'. From 7186' to 7209.5' shale, black, hard, foss., becoming slightly sandy toward bottom; from 7209.5' to 7246' - sand, lt gray, fine grain, shaley with vertical fracturing, stain throughout.

Core #2 from 7246' to 7283.5'. Cut and recovered 37.5' - 6' sand with good odor, staining; 8' shale; 24.5' of sand, fine grain, shaley, good odor and staining, vert frac.

Core #3 from 7283.5 to 7304'. Recovered 20-1/2'. from 7283.5 to 7286.5 - sand, lt gry, fine grain, good odor and staining, vert frac; from 7286.5 to 7304 - sand, shaley, no odor. Prep to run casing.

TD 7304'. FB TD 7295'. MI & RU compl unit. Set CI BP at 7295'. Perf w/4 jets/ft from 7289-84, 7252-26, 7223-15. Frac by Dowell w/7 Allison and 2 blenders w/50,000 gals crude, 75,000# 20-40 sand using 175 balls. BD, IP, Max & Final 3000 psi. Min 2800 psi. IR 61 BPM. 10 min stdg 2200 psi. Opened well after 20 mins. Flowed back frac oil. Ran 7183.5' of 2-3/8" OD J-55 4.7# tbg w/perf nipple set at 7201'. Made one run w/swab and well kicked off.