

DST #4; 10,562-10,709; (Retest); Morrow Zone 1;
 TO 30 Mins. @ 9:15; strong blow;
 @ 9:18 - $\frac{1}{2}$ " Choke, 200 psi; GTS;
 @ 9:20 - $\frac{1}{2}$ " choke, 380 psi;
 @ 9:25 - $\frac{1}{2}$ " Choke, 800 psi;
 @ 9:30 - $\frac{1}{2}$ " choke, 900 psi; fluid to surface; 5.1 MPD;
 @ 9:35 - $\frac{5}{8}$ " choke, 750 psi; 6.57 MPD;
 @ 9:40 - $\frac{5}{8}$ " choke, 800 psi; heading; 7.0 MPD;
 @ 9:45 - $\frac{5}{8}$ " choke, 850 psi; 7.44 "
 SI 60 Mins;
 TO 60 Mins; @ 10:45 - $\frac{1}{2}$ " choke; strong blow;
 SI 20 Mins; @ 10:50 - Plugged w/ shale; cleaned out;
 @ 11:10 - $\frac{1}{2}$ " choke, 300 psi; slugging;
 $\frac{1}{2}$ " choke, 500 psi; trying to plug;
 $\frac{3}{4}$ " choke, 400 psi;
 $\frac{3}{4}$ " choke; 350 psi; 4.4 MPD;
 $\frac{3}{4}$ " choke; 200 psi;
 $\frac{3}{4}$ " choke; 200 psi;
 $\frac{3}{4}$ " choke; 200 psi; 2.5 MPD
 SI 2 Hrs; TO 4 Hrs;
 @ 2 AM, $\frac{1}{2}$ " choke; strong blow;
 @ 2:10 - 210 psi; wtr;
 @ 2:20 - 400 psi;
 @ 2:30 - 500 psi; @ 2:40 - 600 psi; @ 2:50 - 600 psi;
 @ 3:00 - 450 psi; @ 3:10 - 350 psi; @ 3:20 - 400 psi;
 @ 3:30 - 550 psi; @ 3:40 - 500 psi; @ 3:50 - 500 psi;
 @ 4:00 - 550 psi; @ 4:10 - 500 psi; @ 4:20 - 500 psi;
 @ 4:30 - 500 psi; @ 4:40 - 500 psi; @ 4:50 - 500 psi;
 @ 5:00 - 475 psi; @ 5:10 - 475 psi; @ 5:20 - 500 psi;
 @ 5:30 - 500 psi; @ 5:40 - 500 psi; @ 5:50 - 500 psi;
 @ 6:00 - 500 psi; 8 to 10 BPH; 2.7 MPD;

DST #4; 10,562-10,709; Pressures:

IH&FH 5262-5196; IF (30 Mins) 2031-2472 (some plugging);

ISIP 60 Mins; 4296, extrapolated 4520;

2nd Flow (75 Mins) 1986-2474; 2nd SIP (2 Hrs) 4296, extrapolated 4530;

3rd Flow (4 Hrs) 2474-2917; 3rd SIP (6 Hrs) 4341, extrapolated 4530;

Rec. 3627' Wtr (28,320 ppm Chl); Sampler: 2300 psi; 1400 cc wtr (-24,780 ppm Chl) 4.8 cf gas;

Now taking DST #5 from 8676-8750 (Penn).

DST #5; 8676-8750 (Penn); TO 30 Mins w/ good blow, GTS in 8 Mins;

5 Mins, 10 psi; 10 mins 18 psi; 15 mins 12 psi; 20 mins 8 psi; 25 Mins

5 psi; 30 Mins 18 psi, Wtr to surface in 28 Mins; SI 1 Hr;

TO 1 Hr, good blow; 10 Mins, $\frac{1}{2}$ " choke, 65 psi, flow wtr by heads;

20 Mins, $\frac{1}{2}$ " choke, 70 psi, 389 MCF; 30 Mins, $\frac{1}{2}$ " choke, 70 psi;

40 Mins., $\frac{1}{2}$ " choke, 30 psi; 50 Mins, $\frac{1}{2}$ " choke, 5 psi; 50 Mins, $\frac{1}{2}$ " choke,

0 psi, small flare, weak blow; SI 120 Mins.

Moved Pkrs fro DST #6 from 8634-8708;

TO 30 Mins, weak blow; SI 60 Mins; TO 60 Mins; weak blow, dead at end.

SI 120 Mins; Rec. 8319; GCW; 30,000 ppm, Rw .2 @ 30°. Pit 7000 Rw .8

@ 75°.