

DST SUMMARY
#3 West Knowles
Sec. 34, T16S, R37E
Lea County, New Mexico

DST # 1 6414'-6500' (85' Paddock)

Op 30" PF w/weak blow, inc. slightly; 2 hr ISI; op 30" FF w/no blow; 180" FSI. Rec. 120' sli OCDM. Sample chamber rec. 2070 cc sli OCDM, no gas. Chamber pressure 0#. BHT 122°. 30" PF 70-95; 120" ISI 2403; 30" FF 120-120; 180" FSI 2314; HP 3240-3240.

DST # 2 8203'-8300' (Drinkard)

IHP 4141, 30" PF 0-3213, 90" ISI 3213, 45" FF 659-3213, 150" FSI 3213, FHP 4141. Recovered 270' DM w/trace of oil. Chamber had 150 cc DM, trace oil & 0.5 CFG @ 20 psi. Pit mud 106,000 ppm, Rmf .09 @ 50°, sampler 104,000 ppm, Rmf .0 @ 56°. DST misrun - severe plugging

DST # 3 8206'-8300' (Drinkard)

30"-90"-120" -15"-90"-300". Opened tool for 30" PF w/strong blow from bottom of bucket. Closed tool for 90" SI w/60 psi of 1/8" hose. GTS 8" after SI. Re-opened tool for 120" 2nd flow on 3/8" choke, w/strong blow to bottom of bucket. Flared 33-73 MCF during 2nd flow. Closed tool for 15" SI & has OTS 2" after SI. Re-opened for 90" FF on 1/2" choke. Started flowing oil after 30" & switched to tank after additional 10". Pressure ranged from 65 to 90 psi. Recovered 17 BO in 50" remaining flow time and additional 18 BO (total of 35 BO) in first hour of 300" FSI. IHP 4193; 30"PF 170-647, 90" ISI 3110, FHP 4193. Chamber had 1600 cc oil (40.4 API @ 60°F.) plus 5.0 CFG @ 500 psi. BHT 137°.

DST # 4 8313'-8400 (Drinkard)

30"-90"-90"-180". Opened on 30" PF w/weak blow. Increased to bottom of bucket in 2". Re-opened on 90" FF w/strong blow immed. GTS in 21" on FF. Pressure gradually increased from 5 to 8.5 psi on 1/4" choke. during final flow period. Flare 4-5'. IHP 4317; 30" PF 76-82; 90" ISI 3214; 90" DD 57-146; 180 FSI 3214; FHP 4191. Recovered 512' of SMC oil (37.0 API @ 64°). Chamber had 822 cc oil @ zero pressure. BHT 134°.

DST # 5 8721'-8770' (ABO)

30"-90"-90"-120" Tool opened w/weak blow, increased to strong blow from bottom of bucket in 10" - reopened on final flow w/strong blow. GTS in 19" at max of 2 psi on 1/2" choke. Pressure gradually decreased to zero, pinched to 1/4" choke - pressure stabilized at 2 1/4 psi. Recovered 213' O&GCM + 405' free oil (45.4° @ 60°F) Chamber had 1.2 CFG + 1260 cc oil @ 100 psi. IHP 4349, 30" pf 190; 90" ISI 2620, 90" FF 241, 120" FSI 2009; FHP 4311.

DST # 6 8746'-8840' (Abo)

30"-90"-90"-180". Opened on 30" PF w/weak blow, increased to steady, good blow in 12 min. Re opened on 90" FF w/weak blow, increased to good in 30 min. No GTS. Recovered 109' G&OCDM, 109' wtr, (Cl 60,000 ppm, Rw .10 @ 65°F) pit mud 77,000 ppm. IHP 4438; 30"PF 118-183; 90" ISI 2994; 90" FF 209-312; 180" FSI 2994; FHP 4451, BHT 144°F. Sample chamber 0.15 CFG + 1890 cc wtr. (Rw 0.12 @ 65° F, Cl 45,000 ppm)