

4/5/79

Drilling, depth 11,920', made 21' of progress, formation shale/lime, deviation 11899'-1 1/2, Mud Wt., 10, Visc. 39, Ph 9.5, WL 14 filter cake 1/32, chlorides 108,000, 4 hrs. drilling, 9 1/2 hrs. trips, 2 hrs. drilling packer rubbers & circulate gas out, 1 1/2 hrs. lay 2 7" D.C. bottom hole assembly, 2 1/2 hrs. pick up & lay down test tool, 5 1/2 hrs. DST #4, Slow pump rate 575 PSI, 32 SPM, Chemical cost \$2585.00, residue 320 PPM, DST #4 - tested from 11,877' to 11,899', gas to surface in 20 mins. on pre-flow, charts indicate lost packer seat probably during initial shut in and positive indication of packer failure after 5 mins. on second flow, will drill to 11,949 and re-test.

4/6/79

DST #5 Pulling DST #5, depth 11,949', made 29' of progress, formation lime/shale, no deviations, Mud Wt. 10.1, Visc. 40, Ph 9.5, WL 12, filter cake 1/32, Chlorides 115,000, 5 hrs. drilling, 9 hrs. trips, 2 1/2 hrs. circulating, 6 1/2 hrs. DST #5, 1 hr. pick up test tool, slow pump rate 575 psi, 32 SPM, chemical cost \$2713.60, residue 360 PPM. DST #5 tested from 11,811 - 11,949, open tool 9:15 PM with good blow, 3 mins. 10 psi, 5 mins. 11 psi, 10 mins. 18 psi, open on 3/8" choke, 15 mins. 22 psi, 22 mins. 27 psi, gas to surface, 30 mins. 30 psi, closed in for 90 mins., open tool with good blow, 15 mins. 19 psi, 30 mins. 26 psi, 45 mins. 30 psi, 60 mins. 32 psi, 90 mins. 32 psi, closed tool for 180 mins., pulled packer loose, came out of hole.

IHP 6241
IFP 184
FFP 252
ISI 6286
12nd FP 276
FFP 415
FSI 6152
FHP 6241

Sampler 410 psi, 410cc gas cut oil, 1.2 cubic ft. gas, recovery 90' gas cut oil, 900' oil and gas cut mud, temperature 160.

4/16/79

DST #6 Trip, depth 13,301, made 0 progress, formation lime/shale, Mud Wt. 10.1, Visc. 41, Ph 10, WL 11, filter cake 1/32, chlorides 121,000, 14 hrs. trip, 1/4 hr. totcos, 2 1/4 hrs. circulating, 1/4 hr. work BOPS, 7 1/2 hrs. testing, Chemical cost \$3,115.20, residue 350 PPM, DST #6 - TD 13,300', packer seat 13,242', 58' interval, main break 13,280', tool open 4:45 PM 4/15/79 with very weak blow, initial flow 30 mins., 1st shut in 60 mins., final flow 60 mins., final shut in 120 min., Hydrostatic in 7115 psi, Initial flow 127, Initial shut in 287, 2nd flow 127, final shut in 223, hydrostatic out 7083 psi, recovery 140' drilling mud, sampler 0 gas, 0 pressure, 300 cc drilling fluid, temperature 178.