

GEOLOGIST

Name: Peter Vollmer, Fidelia Severance, Kevin Severance
 Company: Columbine Logging, Inc
 Address: 9985 A East 104th Ave.
 Henderson, CO 80640

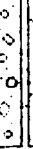
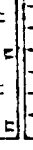
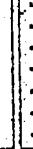
DSTs

DST #1, 3435'-3548', Middle Cherry Canyon Sand (15-60-60-240)
 Open hole conventional, Schlumberger Tester Bill Grayshaw.
 Open to 1/8" bubble hose w/1" blow, BOB in 55 sec, built to 3#, shut in. Opened 2 seconds, cycled tool
 2.6# to 3.6# w/1" choke, shut in. Final open BOB in 10 sec. built to 4.6# in 2 min, decreased to 2.8# in 1
 hour. Shut in, NGTS.
 Recovery: 5' mud w/tr oil, 246' mud sl water cut (0.083 ohms @ 60 deg., 110,000 ppm Cl), 100' sl water cut
 mud (0.091 ohms @ 60 deg., 98,000 ppmCl)
 Sampler: Gas: 0.73 C.F. at 140 psig; Oil: small tr; Water: 450 cc (0.091ohms @ 60 deg, 98,000 ppm Cl);
 Mud: 100 cc.
 Mud Data: Filtrate water 0.077 ohms @ 60 deg, 121,000 ppm Cl.
 Pressures: Inside guage failed. Outside at 3512': IHP 1641, IFlow 131-129, ISI 285, 2nd Flow 150-154, 2nd
 SI 460, FF 155-191, FSI 878, FHP 1621, BHT 102 deg F.

Comments

DST #2, 3880'-3943', Lower Cherry Canyon Sand (15-60-60-240)
 Open Hole Conventional, Schlumberger Tester Bill Grayshaw.
 Open to 1/8" bubble hose, opened w/2" blow, BOB 20 sec, built to 9.0# w/1" choke. Shut tool in, GTS in 27
 min, w/10.43 blow, flare DD in 15 min. Opened tool to 1/4" choke w/3 oz, 2 min 25# blow. GTS, built to 39#
 blow, Shut in tool, flare DD in 26 min.
 Recovery: 1' Condensate, 60' mod wtr cut mud(0.092 ohms at 60 deg 96000 ppm Cl), 100' mud, 56' SL Gas
 cut Mud (0.086 ohms at 60 deg, 105000 ppm Cl).
 Sampler: Gas: .043 C.F. at 115 psig; 1100 cc Mud (.086 ohms at 60 deg, 105000 ppm Cl)
 Mud Data: Filtrate water 0.079ohms at 60 deg. (116000ppm Cl)
 Pressures: Outside at 3388' IHP 1807, IF 72-69, ISI 1617, FF 65-141, FSI 1636, FHP 1814, BHT 103 deg F.

ROCK TYPES

			
Bent	Dol	Salt	Till
Brec	Gyp	Shale	Blank
Cht	Igne	Shcol	