

PETROLEUM DEVELOPMENT CORPORATION

Well History

2002-C-#09 Kerbs #14-15 Weld County, CO Permit #051232118600 AFE #02180 LS #688100 (UXP)	12/04/2002	Fort Drilling Rig #1: MIRU. Spud 12 ¼" hole at 8:20 PM.
	12/05/2002	Fort Drilling Rig #1: TD 12 ¼" hole at 840' at 5:35 AM. Short trip and condition hole and presently tripping out to run 8 5/8" casing.
	12/05/2002	Fort Drilling Rig #1: TD 12 ¼" hole @ 840' KB. Ran 18 joints of 24# 8 5/8" casing with Texas Guide Shoe and 3 centralizers. Casing set @ 818.87' KB. Cementers Inc. pumped 580 sks with good returns. Plug down @ 1:00 pm.
	12/06/2002	Fort Drilling Rig #1: At 1242' and drilling 7 7/8" hole.
	12/07/2002	Fort Drilling Rig #1: At 5739' and drilling 7 7/8" hole. TD 7 7/8" hole at 7151' at 9 PM. Condition mud, circulate hole, and lay down drill string.
	12/08/2002	Fort Drilling Rig #1: MIRU PSI and ran Comp Density/Comp Neutron/Dual Induction Log. LTD @ 7147' KB. RU casing crew. Ran Topco Auto Fill Guide Shoe, 14' shoe joint, 164 joints of 10.5 #/ft, M-65, 4 ½" casing with 1 joint of 11.6 #/ft, N-80 on top of casing string. Casing set @ 7135' KB. PBTd @ 7121' KB. RU BJ Services and pumped 10 bbl pre flush, 10 bbl mud flush, 5 bbl (20 sx) Class G, 134 bbl (190 sx) Premium Lite Cement and 38 bbl (140 sx) Class G + additives. Released wiper plug and displaced with 113 bbl treated water. Plug down OK @ 4:45 pm. ECT @ 3400' KB. Released rig @ 6:00 pm.
	12/17/2002	MIRU Nuex Wireline. Ran GR/VDL/CBL finding a PBTd of 7100' KB and a CT @ 3050' KB. Perforated the Codell from 6943' to 6951' KB with 24, .34 diameter holes, 3 spf, 120 deg phasing. RDMO
	12/20/2002	MIRU BJ Services. Frac'd the Codell with 2760 bbl Vistar 20# fluid system, 217380# of 20/40 mesh white sand and 8000# 20/40 mesh Super LC resin coated sand. MTP – 3750 psig; ATP – 3521 psig; AIR – 16.7 bpm; 4 ppa sand; ISIP – 3443; Flushed with 109 bbl. Open well to tank on 12/64 choke.