

# PETROLEUM DEVELOPMENT CORPORATION

## Well History

<b>(Lyc0 Acquisition)</b> <b>MILLER-DEPPE 11-13</b> <b>Weld Co., CO</b> <b>Permit #051231923400</b> <b>AFE #00878</b> <b>LS #650400</b>	02/02/2004	MIRU DJR Well Service. Kill well with 40 bbls of Hot Oil. NU BOP. Tag sand @ 6,720' to 6,820'. TOO H with 203 jts of 1 1/2" tubing, TIH with 3 1/2" RBP 191 jts of 1 1/2". Set RBP @ 6,200'. RU wellhead for press test. SWIFN.
	02/02/2004	RU Cable, press test csg to 5,000 psi, held for 15 minutes. Release BP, lay down 191 jts on ground. Install frac valve. RDMO DJR.
	02/04/2004	MIRU Nuex Wireline, Perf Codell 6,703' to 6,709 with 2 1/8" scallop gun 2spf 120 degrees phase (12holes). Perf Niobrara 6,508', 6,514', 6,516', 6,518', 6,524', & 6,526' with 2 1/8" scallop gun 1spf 120 degrees phase (6 holes). RDMO. Install 4 1/2" frac valve.
	02/05/2004	MIRU Halliburton, pump limited entry Codell Niobrara frac. Pump 42 bbls of Clayfix water, initial break at 2,589' psi, drop 40 bioball sealers, stage 12 bbls of 7% HCL acid half n half out of Niobrara perfs. ISDP 2,286'. Surge well, shut down for 10 minutes. Frac Codell Niobrara with 3,506 bbls of 26# Silver Stem Gel with 334,200 lbs of Ottawa 20/40 sand, 16,000 bbls of AcFrac 20/40 sand. Sand stages 1,2,3,4 ppg ATP 4,273' at 24.1 BPM, Flush with 60 bbls of 2% Clayfix water ISDP 3,248 psi. Well on, flowback on 20/64 choke at 3,000 psi.
	03/09/2004	MIRU DJR Well Service.
	03/10/2004	Kill well, NU Wellhead & BOP, TIH Hydrotesting NCSN 198 jts of 1 1/2", Tag Sand at 6,600'. RU to Circ., Clean out sand from 6,600' to 6,840'. Pull 5 jts, tbg parted, SWIFN.
	03/11/2004	TIH with Tubing Spear, spear into TOP of FISH, TOO H with tbg, tbg not cork screwed, TIH with NCSN 200 jts of 1 1/2" land tbg at 6,690 KB. NU BOP. Broach tbg, RDMO, MI DJR Swab Rig, Swab back 41 bbls, Blow/300# FFL 5,300'. Dropped standing valve.
	01/27/2006	Clark Well Services: MIRU. Checked pressure @ 0/0. Hot oil well paraffin socket for 1 1/2' tubing. RDMO. Final Pressure @ 0/0.