

Livington Deep State #1 (contd)

- 11/19/93 NU BOP; POOH w/tbg. Set TAC @ 10,058' pulling 16 points. Strip off BOP. NU wellhead flange. SWIFN.
- 11/20/93 RIH w/rods and new pump. Space out and hang on. Use M&S hot oil to load tbg w/11 BBls lease brine and pressure test to 500 PSI. Bleed off to 100 PSI & start pumping unit to pressure test pump. Rig down and move off. Return well to production.
- 1/18/94 MIRU Pulling Unit. RD Horse Head; Unseat pump & POOH w/pump & rods. RU hot oil truck and pump 40 BBls hot oil down tbg. SWIFN.
- 1/19/94 On location, RD wellhead, RU BOP. Unset TAC, POOH w/tbg, TAC, SN, Perf. Sub., mud joint. RU Hydro Test; Run line from frac tank to well; SWIFN.
- 1/20/94 On location. RU acid crew. Open bypass on PPI tool. Loaded 500 Bbls 2% KCl. Pickled tbg w/200 gals 15% Ferchek SC acid. Set pkr above perfs to test. Pumped 12 BBls 2% KCl to load tbg & pressured to 6000 PSI. Pressure dropped quickly. Moved packer up hole and set again. Pumped 25 BBls 2% KCl. Did not pressure up. Suspected hole in tbg. Unset pkr & POOH w/pkr & tbg. Found split in pipe 8 stands from bottom. SWIFN.
- 1/21/94 RU HydroTest. Test in hole to 7500 psi w/5-1/2" PPI on 2-3/8" tbg. Tag bottom @ 10,664'. Pull up & set pkr @ 10,605'. RD HydroTest. RU acid pumper. Load hole w/650 gals 2% KCl - fluid level @ 4,000'. Test lines & pkr to 5000 psi. Drop RFC valve. Open bypass on PPI tool. Pump 15% Ferchek SC from 10,138-10,295'. Unset packer, RD acid crew. RIH w/sandline to retrieve RFC valve. POOH w/RFC valve. POOH 88 stands tbg to get pkr above liner top. SWIFN
- ✓ 1/24/94 On location; POOH w/tbg & PPI packer. RIH w/4-3/4" bit, 8 drill collars, & CCDT tool on 2-3/8" tbg. Drilled out CIBP in 20 minutes. Went to 10,900 to make sure perforations were clear. POOH w/tbg, drill collars, CCDT tool & drill bit. RIH w/30.8' Mud Joint, 3.1' Perforated Sub, 1.1' Seat Nipple, 22 jts 2-3/8" tbg, 3' TAC, 2-3/8" tbg. SWIFN.
- 1/25/94 On location. RIH w/balance of tbg. ND BOP. Attempt to set TAC, but were unable. NU BOP. POOH w/tbg & anchor. Take anchor into town to be redressed. RIH w/30.8' mud jt., 3/1' perforated sub, 1.1' seat nipple, 24 jts 2-3/8" tbg; 3.0 TAC, 325 jts 2-3/8" tbg. ND BOP. Set TAC @10,084'; SN @ 10,838'. Pull 10 pts on TAC, NU wellhead flange. SWIFN.
- 1/26/94 On location. RU to run pump & rods. RIG w/pump, rods. Hang well on. Fill tbg w/23 Bbls KCl water & pressure test pump seat to 500 psi. Pump well against closed valve to test pump to 500 psi. RDMO pulling unit and return well to production. FINAL REPORT

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