

**Magna Energy Services, LLC  
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**Job Log**

Date: 12-6-12 to 12-11-12

Operator: Noble Energy

Well Name: Lilli Unit 12-12

Legal Location: NW/SW Sec. 12-8N-59W

12-6-12

MIRU P&A equipment, check pressure 0 psi tbg., 0 psi csg.; ND wellhead, NU BOP, try to release anchor, would not release. RUWL, RIH with tbg. cutter, unable to get down hole, ROH, circulate well with 40 bbls. water, attempt to release anchor, anchor released, RDWL, TOO H with tubing, 202 jts. total. SDFD

12-7-12

Check pressures-0 psi, PU bit and scraper, TIH to 6500', TOH with bit and scraper, PU CIBP, TIH to 6371' CIBP would not set, TOO H with CIBP, SDFD

12-8-12

Check pressures-0 psi, RUWL, RIH and set CIBP at 6376'; ROH, RDWL, TIH with tbg. to 4,096' and roll hole clean, TOO H with tbg., RUWL, RIH with CBL to 5,900'; ROH with CBL, RIH with dump bailer and place 2 sxs on top of CIBP at 6,376'; ROH, RDWL, SDFD

12-10-12

Check pressures-0 psi, PU packer, TIH with tbg. and set packer at 2,510', pressure test csg. to 400 psi, good test, release packer, TOO H with tbg. and lay down packer, RUWL, RIH with perforating gun and perforate at 5,500', ROH, RIH to

2,500' and perforate, ROH, RDWL, PU CICR, TIH and set CICR at 5,406'; establish injection rate of 1.5 bbls/min. at 1200 psi, mix and pump 50 sxs, 40 sxs below CICR and 10 sxs on top, TOOH with tbg., PU CICR and TIH and set CICR at 2,413', SDFD

12-11-12

Check pressure-0 psi; mix and pump 100 sxs, 90 sxs below CICR and 10 sxs on top of CICR, TOOH with tbg., ND BOP, ND wellhead, NU BOP on surface head, RUWL, RIH with collar buster to 744', ROH, RDWL, pull casing, LD 17 jts. of 4-1/2" csg. Change over to 2-3/8", TIH with tbg. to 722', mix and pump 50 sxs cement, TOH with tbg. to 320', mix and pump 188 sxs to surface, ND BOP, weld on cap, RDMO

\*\*All cement used is Class "G" neat 15.8#\*\*

Cementing Contractor: Magna Energy Services, LLC.

Cementing Contractor Supervisor: Scott Marez

Operating Supervisor: Erich Zwaagstra

Wireline Contractor: Superior Well Services