ON Completion Procedure

API No. 30-025-37556 Walter Lynch # 12 1830' FNL & 1980' FWL Section 1, T22S-R37E, UL "F" Lea County, New Mexico

Date:

August 8, 2006

Purpose:

Recomplete and Frac Queen

Elevation:

KB: 3363' PBTD: 3951'

GL: 3353' TD: 4626'

Current Perforations: 3829-32, 3840-47, 3871-73, 3899-3901, w/ 1 SPF Grayburg

3676-77, 3680-82 w/ 1 SPF Queen

Procedure:

1. RU WSU. POOH with rods and pump. Install BOPE. POOH with tubing and anchor. Use 2% KCL as workover fluid.

- 2. RIH w/ 5-1/2" Cement Retainer and Tbg. Set Retainer @ 3750' (about 2 Jt above to Grayburg perfs 3829'-3901'). Pressure test Tbg to 1000 psi.
- 3. RU Cement Services. Pump fresh water to establish rate switch to cement. Pump 75 sx Class C Neat Cement. Mix cement w/ 6.3 gals water/sx to weight of 14.8 lbs/gal. Thickening time is 2:10 with a yield of 1.32 Cu Ft/sx. Displace cement with fresh water to retainer. Sting out of retainer and reverse circ tbg clean w/ 1 tbg volume (22 bbls) of 2% KCL, POOH and stand back tbg.

4. Perforate:

RU Baker-Atlas electric line with lubricator and pack off. Use Baker-Atlas GR/CCL log dated 1/16/06 for depth control. Note short joint at 3169-90.5. RIH with 3-1/8" perf guns loaded with 311T charges and perforate 6' w/ 4 SPF, 24 holes as follows:

3676 - 3682 (24-holes)

RD Baker-Atlas.

- 5. Prepare well for frac.
- 6. Install Stinger Tree Saver. RU Halliburton Frac. Test line to 6000 PSI
- 7. Frac per Halliburton design.
- 8. RD Halliburton equipment and tree saver.
- 9. RIH with notched collar and clean-out frac sand to top of cement at +/- 3750'. PWOP w/ pump set below perforation.