

NMOCD
FORM C-101
SECTION 22

Marathon Oil Company respectfully proposes to deepen the Lou Worthan Well No. 4 to the Blinebry formation. The existing Grayburg perforations 3632-3722' will be squeezed and the isolated open hole Paddock completion (5080' to 5146') will be cased off after drilling to a proposed TD of 5911'. Listed below is a summary of the proposed work. This project is expected to be commenced on April 8, 1996.

1. MIRU PU. NU 7 1/16" 3M hydraulic BOPE with pipe rams and annular BOPE.
2. POOH with 2 3/8" tubing. Test BOPE to 1500 psi. Test casing and existing RBP to 1000 psi. RIH and retrieve RBP and POOH.
3. RIH with retainer and squeeze Grayburg perforations 3632-3722' . POOH with tubing.
4. RIH w/ bit, collars on 2 7/8" workstring to retainer. Drill out squeeze and test squeezed perforations to 1000 psi. RIH with bit to CIBP at 5000' and drill up CIBP. RIH and tag TD at 5146'. Deepen well to 5911' using fresh water gel.
5. RU electric line company and run a GR-CNL-LDT-CCL across openhole section. RD electric line company.
6. RIH with 6-1/2" underreamer and underream openhole. POOH.
7. Run 4" flush joint casing from 4961' to 5911'. Cement liner w/200 sxs. WOC.
8. RIH and dress off top of liner. POOH. RIH and pressure test liner top. Swab test liner top.
9. RU perforators and perforate Blinebry 2 JSPF, 120 degree phasing at +/- 5332' to 5788' (OA).
10. Acidize Blinebry perms w/ 6800 gals of 15% NEFE acid using ball sealers for divert.
11. Sand Frac Blinebry w/ a total of 104,000 gals of 65 Quality foam carrying 200,000 lbs of 16/30 Brady sand.
12. Flow well back until well cleans up or dies. Check for sand fill. Turn to sales.