

Marathon Oil Company
McGrail State No. 8
Attachment to C-103
November 11, 1996

1. MIRU pulling unit. NU BOP.
2. PU and RIH w/ 5 1/2" RBP and set at 60'. Test BOPE. RIH and retrieve RBP.
3. PU and RIH w/ 4 3/4" bit. Tag cmt at 5426'. Drill 80' soft cmt to DV tool at 5506'. Drill DV tool and clean up.
4. PU and RIH w/ 2 3/8" tbg to 8008'. Pull up hole to 7500' and spot acid.
5. POOH w/ tbg and lay down drill collars and bit.
6. RU wireline and log interval 8002-5350'. POOH w/ logging tools.
7. RU frac valve and lubricator. RIH and perforate Abo formation from 7402-7498' with 2 JSPF for a total of 142 holes. POOH and RD wireline. RD frac valve.
8. RIH w/ 5 1/2" pkr and 2 3/8" tbg. Set pkr at 7334'. Swab test Abo formation.
9. POOH w/ 5 1/2" pkr. PU 5 1/2" RBP and 5 1/2" pkr. Set RBP at 7449' and pkr at 7320'. Swab test perms from 7402-7445'.
10. ND wellhead, NU BOP. Release RBP and pkr. POOH. RIH w/ 2 3/8" tbg. ND BOP, NU wellhead. Run rods and hang well off. Started pumping.