

Marathon Oil Company
Hansen State Well No. 9
API No. 30-025-34286
C-103 Attachment
June 7, 1999

- 5/7 MIRU pulling unit and reverse unit. POOH w/rods & pump. NU BOP, test, OK. POOH w/tbg. RIH w/5 1/2" CIBP, set at 7120'. Dump 2 sxs sand on plug. RIH w/pkr, set at 7100'. Test CIBP to 1500 psi, OK. Rel pkr, reset at 7000'. Establish injection rate into perms 7061-67'. Rel pkr, TOOH. TIH w/cmt retainer, set at 7000'. Squeeze perms w/400 sxs cmt and 1000 gals Flocheck to 800 psi. TIH w/bit & dc's. DO cmt and retainer to CIBP at 7120'. Test to 500 psi, OK. Circ hole clean. TOH w/bit. TIH w/5 1/2" whipstock. Oriented and set whipstock. Drilled 20" w/starting mill to 7108'. TOH. TIH w/window mill w/2 string mills. Drill pilot hole 7108-20'. Circ clean. Left well SI. RD pulling unit and reverse unit.
- 5/13 MIRU horizontal rig. NU annular. Test to 1000 psi, OK. POOH w/window mill. TIH w/curve drlg assembly. RU swivel and start drilling at 7120' (KB). Drill curve from 7120-7349'. POOH w/curve drlg assembly. TIH w/lateral motor.
- 5/18 ^{7349 Per KC} Drill lateral 9347-9166'. Displace w/fresh water. TOH w/bit & drill pipe.
- 5/24 RIH w/2 7/8" prod tbg. R nipple at 7073'. Tbg tail at 7263' (MD). ND BOP. NU wellhead. RDMO horizontal rig.
- 5/25 MIRU CTU. RIH w/1 1/2" coil tbg. Acidize open hole from 7380-9166' w/25,000 gals 15% acid. RD CTU. Flow to frac tank.

RECEIVED

JUN 25 1999

NORTHWEST OPERATIONS