

Marathon Oil Company
Willowpeg State Well No. 1
C-103 Subsequent Attachment
July 7, 1997

1. 4/24/97 MIRU pulling unit. NU BOP. RIH w/drill collars and tbg. Tag cement at 8944'. Drill from 8944 to 8981'. Circulate clean. RIH w/tbg to 13,016'.
2. RU acid company. Pickle tbg and csg w/1000 gals 15% HCL acid. RD acid company. POOH w/drill collars and tbg. RU loggers. Run CCL to 13,017'. POOH. Run RAL from 12,200-13,106' w/2000 psi on csg. Run CBL/CCL from 8800-13,106' w/2000 psi on csg. POOH. RD loggers.
3. RU wireline. Perforate Morrow formation from 12,778-83', 12,868-80', 13,022-42', 13,060-70', w/4 JSPF, 60 degree phasing, 188 holes. RIH w/seal assembly and pkr. Set pkr at 12,970'. RD wireline. RIH w/pkr and set at 12,700'. ND BOP. NU tree. RU slickline. RIH and set blanking plug at 12,993'. POOH. Test pkr. Ret blanking plug. POOH. RD slickline. RD pulling unit.
4. RU swab unit. Swab tested interval 12,778-13,070'. Did not recover any fluid. RU acid company. Acidize Lower Morrow perfs 13,022-13,070 w/5000 gals 15% acid. RD acid company. Swab tested. RU Protechnics. Ran production log. Swab tested.
5. 5/8/97 MIRU pulling unit. RU acid company. Acidized w/9000 gals 15% acid. RD acid company. Swab tested. Set blanking plug in profile nipple at 12,970'. Opened sliding sleeve at 12,901'. Swab tested interval 12,778-12,880'. RIH and pulled plug at 12,901'. Attempt to POOH w/seal assembly from Baker Model 'D' pkr at 12,970'.
6. RU wireline. Set CIBP at 12,650'. w/10' sand and 10' cement.
7. RIH w/TCP equipment. Spaced out gun over interval 12,463-12,476'. Set pkr. Dropped bar. RD wireline.
8. RU frac company. Acid frac interval 12,463-12,476' w/20,000 gals Alco foam containing 16,400# 20/40 sand. RD frac company. Flowed back. RU swab. Swabbed well to flow. RU coil tbg unit. Cleaned out to 12,586'. RD coil tbg unit.