

12. Sting into retainer, drop standing valve and pressure test tubing to 6,000 psig. Retrieve standing valve.
13. Pressure csg to 1,500 psig.
14. Establish injection rate into perforations.
15. Squeeze Devonian perforations 11,226'-11,410' per Western Company recommendations. Maximum squeeze pressure - 1,500 psig.
16. Sting out of retainer dumping cement on top of retainer. PUH 200' and reverse tbg clean. POOH w/tbg. Leave well shut-in overnight. (Note: Ensure good squeeze prior to stinging out of retainer. Displace tbg and csg w/produced water if necessary and resqueeze).
17. RIH w/4-5/8" bit, 12 - 3-1/2" drill collars, and 2-7/8", N-80 tubing. Drill out squeeze to 11,340'. Pressure test squeeze to 1,500 psig.
18. POOH w/tubing and BHA laying down.
19. Move in and tally 11,200' of 2-7/8", 10.4# AOH Grade E drill pipe.
20. RIH w/4-5/8" bit, section mill, 12 - 3-1/2" drill collars and 2-7/8" drill pipe to 11,250' WLM. PUH to csg collar at 11,225'. Engage cutters and cut window from 11,230' to 11,280' using fresh water gel mud w/Drill Out w/a yield point of 20-30 and a plastic viscosity of 10-12 cps. POOH. Check cutters.
21. RIH w/2-7/8" drill pipe to 11,330'. Spot a cement plug from 11,330' to 11,030' using Class H neat cement per service company recommendation. POOH. WOC-12 hrs.
22. RIH w/4-5/8" bit, 12 - 3-1/2" drill collars and 2-7/8" 10.4# AOH Grade E drill pipe.
23. Dress off cement plug to 11,260'. Drill out cement at a maximum rate of 1.5 min./ft w/8,000# WOB @ 60 RPM. POOH.
24. RU horizontal drilling equipment.
25. Test steering tool by orienting motor to highside on surface to confirm 0° tool face reading. Surface test build motor and MWD.
26. RIH 4-1/2" insert bit, a 3-3/4" short radius angle build motor w/MWD set for a 60' radius of curvature, 2 jts of 2-7/8" monel collars, 6 jts 2-7/8", 8.7#, P-105, PH-6 tbg and 2-7/8" 10.4# AOH Grade E drill pipe.
27. Drill off cement plug and circulate out cement/water with produced water to prevent cement contamination.
28. Blend drilling fluid system as per attached mud-mixing and quality control instructions.
29. RU mud loggers. Mud log from KOP to TD.
30. Orient motor at S 70° E (Note: Never below S 60° E). Drill curve section w/exanthan mud to 11,320' and to 90° horizontal. POOH w/drill string and BHA.
31. Surface test hold motor and MWD.
32. RIH w-4-1/2" insert bit, 3-3/4" hold motor w/MWD, 2 jts of 2-7/8" monel collars, 600' of 2-7/8", 8.7# P-105, PH-6 tbg, and 2-7/8", 10.4# AOH Grade E drill pipe. (Note: Add more P-105 on bit trips as needed to finish lateral section).