

MALAGA PROSPECT

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15. Nipple up 11" - 10,000# WP BOP, 11" - 5,000# WP Hydril, 10" - 5,000# WP rotating head, choke manifold, automatic choke, mud gas separator, P.V.T., flow line sensor w/alarm.
16. Pressure test B.O.P. stack, well head & casing and manifold to 5,000 psi via Yellow Jacket.
17. Drill 8½" hole to ± 11,750' w/following fluid properties:  
9800 - 11400 - 10# salt gel - CMC mud - vis 30-33 W.L. less than 20.  
11400 - 11750 - 12# salt gel CMC vis 35, W.L. 10  
NOTE: If gas kick encountered while drilling Atoka, increase mud wt as needed to control.
18. Re-pressure test B.O.P. stack, well head, & manifold to 5000 psi at bit change trip ± 11,400'.
19. If Atoka is abnormally pressured a 7-5/8" casing line will be run from 11,750' back to 9500' & cemented with 250 sx Class H w/1% CFR-2 and 5#/sx KCL. Preceed cement slurry w/500 gal mud flush.
20. After cleaning out to top of liner w/8½" bit & drilling cement inside liner w/6½" bit, drill 6½" hole to T.D. ± 13,200' using Salt Gel CMC mud w/ wt ± 10.6#/gal., vis 33.36, W.L. less than 10 cc.
21. Should commercial production be indicated in the Morrow formation a 5" 18#/ft liner will be run from T.D. back to ± 11,450' & cemented w/225 sx Class H w/6% Halod - 22A & 5#/sx KCL. Preceed cement slurry w/a 500 gal. weighted Sam 5 spacer to prevent mud contamination. Adjust slurry volume as per caliper log.
22. If the 7-5/8" liner was not run, the 5" liner would be run from T.D. back to ± 9500' and cement volume would be adjusted accordingly.
23. Clean out to top of 5" liner w/6½" mill and clean out inside 5" liner w/4" mill.
24. Release Rotary Rig & prepare for completion attempt.