

Ace Unit 7

API 05-081-05480

Plugging Procedure

1. Operations began on 11/4/2015 and ended on 12/1/2015.
2. Plugging procedures witnessed by Joe Beck of the BLM Meeker Office.
3. Set CICR @ 7,630'.
4. Tested the casing to 500 psi for 5 minutes, lost 250 psi in 5 minutes.
5. Established injection rate.

Cement Squeeze

6. Mixed and pumped 75 sks "G" cement. Squeezed perforations. Stung out leaving 2-1/2 bbl above CICR to 7485'.
7. Isolated failed test to perforations that had been previously squeezed from 6040' – 6075'.
8. Cement tagged @ 7485'.

Poz Spacer

9. Mixed and pumped balanced 33 bbl 9.0# Poz Gel spacer from 7,460' up to 6,135'.

Cement Plug

10. Mixed and laid in a 40 sk "G" cement balanced cement plug from 6,135' up to 5,849'.
11. Cement tagged @ 5849'.
12. Tested the casing to 541 psi for 5 minutes, tested good.

Poz Spacer

13. Mixed and pumped balanced 17 bbl 9.0# Poz Gel spacer from 5,830' to 5,104'.

Cement Plug

14. Mixed and laid in a 25 sk "G" cement balanced cement plug from 5,104' up to 4,855'.

Poz Spacer

15. Mixed and pumped balanced 33 bbl 9.0# Poz Gel spacer from 4,855' to 3,435'.

Cement Plug

16. Mixed and laid in a 25 sk "G" cement balanced cement plug from 3,435' up to 3,195'.

Poz Spacer

17. Mixed and pumped balanced 45 bbl 9.0# Poz Gel spacer from 3,195' – 1,270'.

18. Perforated 1,205' – 1,204' 4 holes.

Cement Plug

19. Mixed and laid in a 25 sk "G" cement balanced cement plug from 1,270' up to 949'.

20. Cement tagged @ 949'.

Poz Spacer

21. Mixed and pumped balanced 15 bbl 9.0# Poz Gel spacer from 949' to surface .

22. Perforated 305' – 304' 4 holes.

Cement At Surface

23. Mixed and pumped 165 sk "G" cement balanced cement plug down the 5-1/2" csg and up the 5-1/2" x 9-5/8" annulus with returns to surface. Ring down workover rig.

24. Cement at 21-1/2' below GL in 5-1/2" csg. Cut WH off.

25. Cement at surface in 5-1/2" x 9-5/8" annulus.

26. Top off cement at surface with 3 sk 'G' cement.

27. Dig out around WH, cut off guy line anchors below GL.

28. Weld regulation dry hole marker plate onto top of 9-5/8" csg 4' below ground level.

29. Back fill hole.

30. Will reclaim at a later time.

31. GPS Coordinates:

- Latitude: 40.95771
- Longitude: -108.28352