

12-1/4" hole

8-5/8", 23# surface casing set at 140' and cemented to surface with 80 sx regular cement w/ 3% CaCl_2 + 1/4 pps floccle.

4 squeeze holes shot at 190' and squeezed with 29 sx cement 15.8 ppg, 1.15 cf/sx. Pump lost prime and shut down displacement. Cut off casing and wellhead. Ran 1" tubing down annulus and tagged at 130'. Pumped 28 sx slurry to load hole. Cement at surface. Ran 1" tubing down 5-1/2" casing to 140' and pumped 35 sx slurry. Cement at surface.

TOC calculated at $\pm 350'$

7-7/8" hole

4 squeeze holes shot at 500' and squeezed with 40 sx cement 15.8 ppg, 1.15 cf/sx

1) Not to Scale

2) Elevations: 4072' KB, 4060' GL

3) Date: 2-14-14

4) API #: 05-075-09171

NOTES:

Squeezed perms w/ 50sx Class 'G' cement w/ 0.6% Halad 9 + 25 sx Class 'G' cement

5-1/2", 14#, J-55 ST&C casing set at 5072' and cemented with 225 sx 50/50 Pozmix cement w/ 2% gel and 10% salt.

CIBP set at 4600'. Tagged with bailer and dumped 2 sx cement on top of plug on 9-19-13

'D' sand perms at 4675-79' w/ 4 spf.

CIBP set at 4790'.

2nd 'J' sand perms at 4831-37' w/ 4 spf.

Cement retainer set at 4840'.

2nd 'J' sand perms at 4842-44' w/ 4 spf.

Fill Up T.D. - 5014' (11/9/87)