

BLM WRFO Plugging Procedure for
USA Midwest 1
COC020303, 05-081-05265
5N 91W/ 29 NWSE

Brine water or mud will always be on location to kill well as needed. Fluid between plugs will be minimum 9ppg.

1. MIRU, NU BOP and test BOP
2. Run tubing to 3092'. Pump an 80-sack cement balance plug, top of plug should be 2704'.
3. Tag top of cement.
 - If tag is below 2804' (no cement in 7" casing), set a CIBP at 2754' and cap with 10 sacks (a plug length of 50') of cement with tubing.
 - If tag is above 2804' but below 2754' (less than 50' of cement in 7" casing), pump an additional 10-sack cement balance plug (a plug length of 50') right above the tag.
4. Pressure test casing to 300 psi for 15 minutes.
5. If pressure test fails, run in with packer and attempt to locate holes (within 300'). Pump a 300' length cement balance plug (110 sacks) to cover holes. Provide a minimum cement coverage of 50' below and above the holes.
 - If there is indication of multiple sets of holes that span an interval greater than 500', determine the location of the top hole. Run tubing 100' below, then pump the 300' length cement plug.
 - Reduce the volume of the cement plug if the estimated top of the plug will surpass the depth of 220'.
6. Tag plug and pressure test casing.
7. Once there is a good casing pressure test, perf at 220' (57' below surface casing) and attempt to establish circulation.
8. If circulation is established, run in tubing to 270' (50' below perforations) and pump until good cement comes to the surface (approximately 115 sacks). If circulation cannot be established, still run in tubing to the same depth and pump until good cement comes to the surface (approximately 65 sacks).
9. Cut off casing 4' below ground level.
10. If there is no cement in the annulus, run in with 1" tubing to at least 50' and pump cement to the surface.
11. Top off 7" casing as needed.
12. Weld on marker plate.

CURRENT WELLBORE SCHEMATIC

API Well No: 05-081-05265-00	
Well Name: USA Midwest 1	Lease: COC020303
5N 91W/ 29 NWSE	
75 sx 10 3/4" SURF 32.75#, UNKNOWN HOLE SIZE, 163'	
50sx 7" CSG, UNKNOWN HOLE SIZE,	2804'
OPEN HOLE COMPLETION, 2804 - 3229' 6-1/4" HOLE SIZE	NIOBRARA 2992'
TOTAL DEPTH	3229'

PROPOSED WELLBORE SCHEMATIC

