

Bass Box Elder Farms 7-44
39.810882 / -104.699144
05-001-08537

Bass Box Elder Farms 7-44 Procedure

1. Survey and locate plugged wellbore. Set a stake and record as-drilled GPS coordinates.
2. Excavate around wellbore to expose the top of the surface casing.
3. Cut existing cap off wellbore. Weld a slip collar to 8-5/8" casing and necessary length of casing to reach ground level. Weld another 8-5/8" slip collar.
4. MIRU workover rig.
5. Install wellhead and BOP. Test BOP.
6. PU and RIH with 6-1/4" tricone bit, 10 3-1/2" drill collars, and 2-3/8" PH6 workstring.
7. Drill out 1st surface cement plug and circulate hole clean.
8. Continue drilling or RIH to top of 2nd surface casing plug. Record depth of plug.
9. Pressure test surface casing to 250 psi. If surface casing fails pressure test, contact engineer and hunt holes.
10. After pressure test of surface casing, drill out 2nd surface casing plug down to casing stub (~260'). Record depth of casing. If tag is deeper than 350', contact engineer.
11. POOH and LD 6-1/4" tricone bit.
12. PU and RIH with wash pipe and 2-3/8" workstring, wash over casing stub. POOH.
13. Rig up casing crew and PU and RIH with lead seal patch with 4-1/2" 11.6# casing down to stub.
14. Latch onto casing stub and pressure test to 500 psi to ensure proper seal.
15. Rig up wireline and RIH with 4-1/2" CIBP, set CIBP at 7590'. POOH.
16. RBIH with wireline and dump bail 4 sacks of 15.8 ppg Class G neat cement on top of CIBP. POOH.
17. RBIH with perf guns on wireline, shoot holes at 3000' and 1700'. POOH.
18. PU and RIH with 4-1/2" CICR and 2-3/8" workstring, set CICR at 2900'.
19. Establish circulation through the CICR and back up the production casing.
20. RU cement crew, pressure test lines to 4,500 psi, and squeeze 15.8 ppg Class G neat cement through retainer and into perfs (395 sks).
21. Disengage from CICR and pump a balanced plug above CICR from 2900'-2800' with 15.8 ppg Class G neat cement (8 sks).
22. POOH and spot plug from 1725'-1600' with 15.8 ppg Class G neat cement (10 sks). POOH.
23. RBIH with perf gun on wireline, shoot holes at 1100'. POOH.
24. PU and RIH with 4-1/2" CICR and 2-3/8" workstring, set CICR at 990'.
25. Establish circulation up the annulus and squeeze 15.8 ppg Class G neat cement through retainer and into perfs (86 sks).
26. Disengage from CICR and pump a balanced plug above CICR from 990'-890' with 15.8 ppg Class G neat cement (8 sks). POOH.
27. RBIH with perf gun on wireline, shoot holes at 400'. POOH.
28. PU and RIH with 4-1/2" CICR and 2-3/8" workstring, set CICR at 350'.
29. Establish circulation up the annulus and squeeze 15.8 ppg Class G neat cement through retainer and into perfs back up to surface (132 sks).
30. Disengage from CICR and pump a balanced plug above CICR from 350' to surface with 15.8 ppg Class G neat cement (28 sks).
31. RDMO. Top off cement after rig has moved, if necessary.
32. After surface plug has set, cut casing to 5' below ground level and weld on a plate to seal the well.
33. Inscribe the well's legal location, well name and number, and API number on the plate as shown:

692' FNL, 632' FEL, NENE Sec 7, T3S, R65W
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34. Photograph welded name plate and send to engineer before proceeding.
35. After confirmation from engineer is received, backfill hole and reclaim surface to original conditions.
36. Cover up the well and remediate the disturbed area.

Bass Box Elder Farms 7-44 Cement Plug Table

CEMENT PLUG TABLE							
Plug Number	Plug Status	Target	Plug Bottom Depth	Plug Top Depth	Cement Class	Yield (ft ³ /sk)	Number of Sacks
1	Existing	D&J Sand	8200'	8135'	Unknown	Unknown	5
2	New	Niobrara	7590'	7540'	G	1.15	4
3.1	New	Fox Hills	3000'	2900'	G	1.15	8
3.2	New	Fox Hills	3000'	1700'	G	1.15	387
4	New	Fox Hills	2900'	2800'	G	1.15	8
5	New	Fox Hills	1725'	1600'	G	1.15	10
6.1	New	Lower Arap.	1100'	990'	G	1.15	8
6.2	New	Lower Arap.	1100'	840'	G	1.15	78
7	New	Lower Arap.	990'	890'	G	1.15	8
8.1	New	Fresh Water	400'	350'	G	1.15	4
8.2	New	Fresh Water	400'	337'	G	1.15	19
8.3	New	Fresh Water	337'	Surface	G	1.15	109
9	New	Fresh Water	350'	Surface	G	1.15	28
TOTAL NEW SKS OF CEMENT REQUIRED:							671