

BJC 33-13X
40.612926 / -103.990129
05-123-20843

BJC 33-13X 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 2-7/8", 6.5#, L80, EUE 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 surface casing plug. If pressure is encountered below surface casing plug, circulate hole with mud or kill fluid until well is dead or blown down.
11. POOH and LD 6-1/4" tricone bit.
12. PU and RIH with mule shoe and 2-7/8" L80 tubing down and tag the top of casing stub (5640'). Record depth of casing. If tag is deeper than 5640', contact engineer.
13. RU cement crew, pressure test lines to 4,500 psi, and spot plug from 5640'-5540' with class G cement (30 sks) to cover the Niobrara formation.
 - **FROM THIS POINT MOVING FORWARD:** Must wait a sufficient time on all subsequent plugs to confirm static conditions. If at any time after placing this plug there is evidence of pressure or of fluid migration, contact engineer before continuing operations.
14. POOH to surface casing. Wait 4 hours and tag TOC. Record tag depth. If tag is deeper than 5540', contact engineer.
15. POOH and spot plug from 1581'-1431' with class G cement (50 sks) to cover the Pierre formation.
16. POOH to surface casing. Wait 4 hours and tag TOC. Record tag depth. If tag is deeper than 1481', contact engineer.
17. POOH and spot plug from 551' to surface with class G cement (188 sks).
18. POOH and wait 4 hours. Tag TOC if not set at surface. Record tag depth. If tag is deeper than 451', contact engineer.
19. RDMO. Top off cement after rig has moved, if necessary.
20. After surface plug has set, cut casing to 5' below ground level and weld on a plate to seal the well.
21. Inscribe the well's legal location, well name and number, and API number on the plate as shown:

622' FSL, 604' FWL, SWSW Sec 33, T8N, R59W
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22. Photograph welded name plate and send to engineer before proceeding.
23. After confirmation from engineer is received, backfill hole and reclaim surface to original conditions.
24. Cover up the well and remediate the disturbed area.

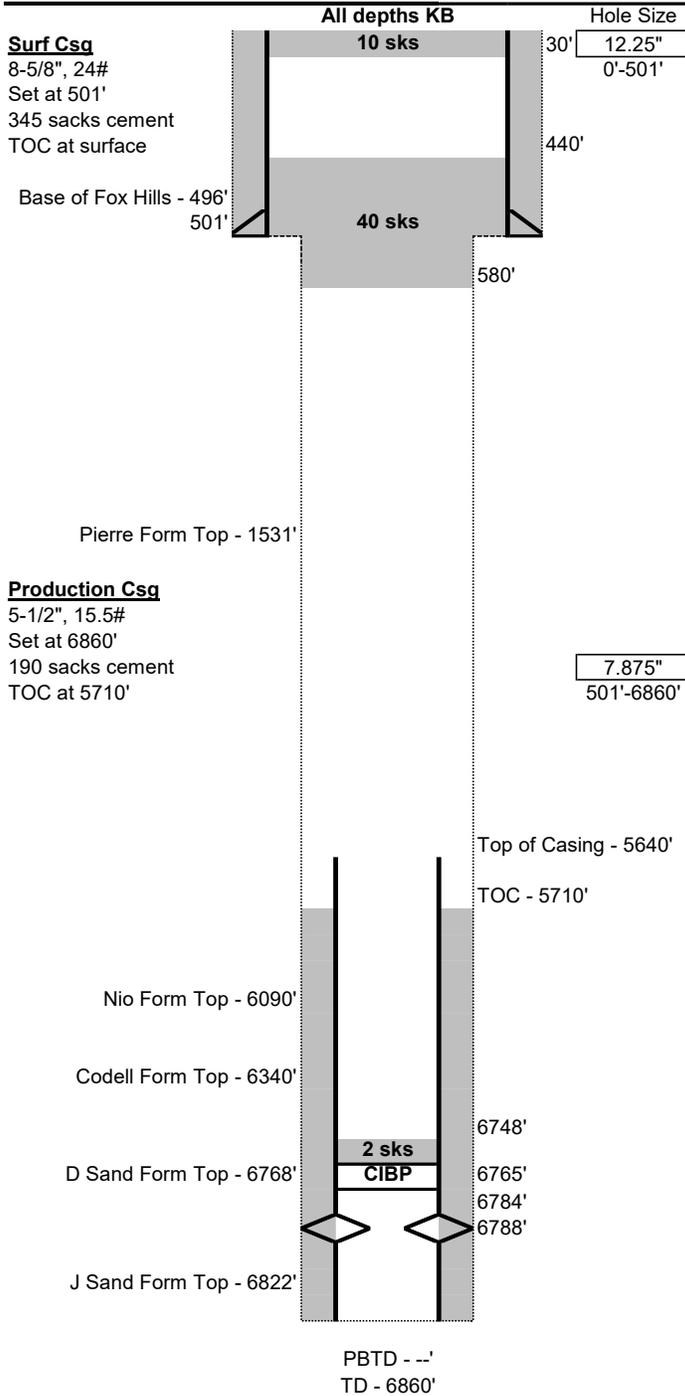
BJC 33-13X Cement Plug Table

CEMENT PLUG TABLE													
Plug Number	Plug Status	Plug Location	Formation	Plug Bottom Depth	Plug Top Depth	Cement Class	Yield (ft ³ /sk)	Number of Sacks		Must Be Tagged?	Maximum Tag Depth	New Sks Required	New Sks Required w/ (10% SF)
1	Existing	Casing	D Sand	6765'	6748'	Unknown	Unknown	2		No	N/A	268	295
2	New	Open Hole	Niobrara	5640'	5540'	G	1.15	30		Yes	5540'		
3	New	Open Hole	Pierre	1581'	1431'	G	1.15	50		Yes	1481'		
4.1	New	Open Hole	Fresh Water	551'	501'	G	1.15	16	188	Possibly	451'		
4.2	New	Casing	Fresh Water	501'	Surface	G	1.15	172					

Current Wellbore Schematic

Well Name: BJC 33-13X
 Location: 622' FSL, 604' FWL, SWSW Sec 33, T8N, R59W
 County: Weld
 API #: 05-123-20843
 Co-ordinates: 40.612926 / -103.990129
 Elevations: GROUND: 4989'
 KB: 5000'
 Depths (KB): PBTD: --
 TD: 6860'

Date Prepared: 4/27/2024
 Last Updated: 4/27/2024
 Spud Date: 8/11/2001
 Completion Start Date: 8/16/2001
 Last Workover Date: 8/23/2001
 Prepared by: Jake Van Bramer
 Updated by: --



Surface Casing:
 Drilled 12-1/4" surface hole to 501'
 Set 8-5/8", 24# casing at 501'
 Cemented with 345 sks
 TOC at surface

Production Casing:
 Drilled 7-7/8" production hole to 6,860'
 Set 5-1/2", 15.5# casing at 6,860'
 Cemented with 190 sks
 TOC at 5,710' (CBL)
 Casing cut and pulled at 5,640'

Open Hole:
 7-7/8" Open Hole from 501'-5,640', expected to be washed out

Tubing:
 None

Rods:
 None

Perforations:
 Perfs: 16 - 0.375" holes from 6,784'-6,788'

P&A Plugs:
 1. 10 sks from 30' to surface
 2. 40 sks from 440'-580'
 3. 2 sks on top of CIBP from 6,748'-6,765'

Additional Notes:
 CIBP set at 6,765'

Initial Potential Test:
 (8/27/2001) 6 hour test
 7 bbl oil, 200 mcf gas, 21 bbl water
 Csg P: 600, Tbg P: 160

Formation Tops:

Base of the Fox Hills	496'
Pierre	1531'
Niobrara	6090'
Codell	6340'
D Sand	6768'
J Sand	6822'

Proposed Wellbore Schematic

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