

Bison Oil and Gas II, LLC
Alice Nay 1
Capital - Offset Well Remediation (P&A)

Lat 40.750555

Long -103.829925

PROCEDURE

1. Survey and locate abandoned well. Mark with stake and record as-drilled GPS coordinates.
2. Excavate to expose top of surface casing. Cut plate off. Weld 8-5/8" slip collar, sufficient 8-5/8" casing to reach ground level, and 8-5/8" slip collar.
3. MIRU workover rig. NU wellhead and 5k BOP. Test BOP.
4. PU and RIH with 4-7/8" tricone bit, 10 3-1/2" drill collars, and 2-7/8", 6.5#, L80, EUE workstring. Drill out 1st surface cement plug and circulate hole clean.
5. Continue drilling or RIH to top of 2nd surface casing plug. Record depth of plug. Pressure test surface casing to 250 psi. If surface casing fails pressure test, contact engineer.
6. 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.
7. Continue drilling or RIH, cleaning out with drilling mud or water to top of casing at +/- 4919'. Record casing top.
8. Continue drilling or RIH, cleaning out with drilling mud or water to top of existing plug at +/-5270'. Record plug depth and TOOH. If no plug is tagged by 5330' contact engineer.
9. POOH to top of casing (~4919'). RU cement crew and pump a balanced plug of 50 sks 15.8 ppg Class G neat cement at 4919'. IF CIRCULATION IS NOT MAINTAINED WHILE PUMPING PLUG AND DISPLACING TO DEPTH: POOH to surface casing. Wait 4 hours and tag TOC. Record tag depth. If tag is deeper than 4819', contact engineer.
10. POOH to 1650'. RU cement crew and pump a balanced plug of 50 sks 15.8 ppg Class G neat cement at 1650'.
11. POOH to 400'. RU cement crew and pump 140 sks of 15.8 ppg Class G neat cement and bring cement to surface. POOH with 2-7/8" tubing. RDMO. Top off cement after rig has moved, if necessary.
12. Once surface plug has set, cut casing to 5' below ground level and weld on a plate to seal the well. Inscribe the well's legal location, well name and number, and API number on the plate, as shown below.

2310' FSL, 2310' FEL, NWSE Sec 14, T9N, R58W
Alice Nay 1
05-123-05654

13. Photograph welded name plate and send to engineer and state inspector before proceeding.
14. Backfill hole and reclaim surface to original conditions.

CEMENT PLUG TABLE							
Plug Number	Plug Status	Formation	Plug Bottom Depth	Plug Top Depth	Cement Class	Yield (ft^3/sk)	Number of Sacks
1	Existing	Niobrara	5330'	5270'	Unknown	Unknown	10
2	New	Niobrara	4919'	4769'	G	1.15	50
3	New	Pierre	1650'	1500'	G	1.15	50
4	New	Fresh Water	400'	Surface	G	1.15	140
TOTAL NEW SKS OF CEMENT REQUIRED:							240