

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

Lat 40.752661

Long -103.829959

**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 10-3/4" slip collar, sufficient 10-3/4" casing to reach ground level, and 10-3/4" slip collar.
3. MIRU workover rig. NU wellhead and 5k BOP. Test BOP.
4. PU and RIH with 6-3/4" tricone bit, 10 3-1/2" drill collars, and 2-7/8", 6.5#, L80, EUE workstring and circulate hole clean.
5. Drill out surface plug. If pressure is encountered below surface plug, circulate hole with mud or kill fluid until well is dead or blown down.
6. POOH and LD 6-3/4" drill bit.
7. PU and RIH with mule shoe and 2-7/8" L80 tubing to 3703' and tag existing plug. If tag is deeper than 3730 contact engineer.
8. RU cement crew, pressure test lines to 4,500 psi, and pump a balanced plug of 50 sks 15.8 ppg Class G neat cement at 3703'. POOH to surface casing. Wait 4 hours and tag TOC. Record tag depth. If tag is deeper than 3691', contact engineer.
9. POOH to 1650'. RU cement crew and pump a balanced plug of 65 sks 15.8 ppg Class G neat cement at 1650'. POOH to surface casing. Wait 4 hours and tag TOC. Record tag depth. If tag is deeper than 1550', contact engineer.
10. POOH to 500'. RU cement crew and pump 275 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.
11. 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.

2208' FNL, 2313' FEL, SWNE Sec 14, T9N, R58W
Alice Nay 1-A
05-123-05662

12. Photograph welded name plate and send to engineer and state inspector before proceeding.
13. 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 <sup>3</sup> /sk)	Number of Sacks
1	Existing	D & J Sand	6277'	5996'	Unknown	Unknown	35
2	Existing	Niobrara	3741'	3703'	Unknown	Unknown	15
3	New	Niobrara	3703'	3591'	G	1.15	50
4	New	Pierre	1650'	1500'	G	1.15	65
5	New	Fresh Water	500'	Surface	G	1.15	275
<b>TOTAL NEW SKS OF CEMENT REQUIRED:</b>							<b>390</b>