

Bison Operating

Procedure - Proposed Plug and Abandonment

Well Name: Will Bros #1
API: 05-123-05254

Version: FINAL
Date: 3/19/2025

Purpose The subject well is an offset to future infill drilling. The well has not be plugged according to current standards and will be re-entered and plugging to current ECMC guidelines.

Regulatory - Notify the ECMC at least 48 hours before plugging operations commence using electronic Form 42's. Ensure proper ground disturbance forms have been completed, one call for utility identification has been done and proper paperwork is on location.

General - Hold a pre-job safety meeting. Discuss all aspects of the procedure with any involved personnel. Identify and address any safety concerns before the job begins.

- Follow all pertinent operator and service company SOP's for downhole workover projects.
- Mix 5 gal of corrosion inhibitor and 5 gal of biocide per 100 bbl of fluid to be used on all displacement and working fluids.
- All cement plugs will be neat class G, unless otherwise approved and stated.
- All displacement fluid between cement plugs will be fresh water.
- Procedure designed off public information from initial completion.

- 1) Locate exisisting wellhead and dig down for proper access
- 2) Check weap hole for trapped pressure. Remove old well cap and clean and prep casing for new wellhead.
- 3) Install new wellhead
- 4) MIRU WOR and support equipment
- 5) Pick up drillout assembly and power swivel
- 6) Begin drilling out cement surface plug
- 7) Utilize drill out returns unit (all returns captured and controlled. Gas to be combusted)
- 8) Drill through surface plug and continue to achieve depth of 900'
- 9) Plug well per plug table.

Plugs in order	Placement	Top:	Bottom:	Volume (sks)	Pump Type	Isolation	Isolation Depth:	Tag
Niobrara	Internal	6,265	6,565	144	Balanced			N
Upper Pierre	Internal	800	900	48	Balanced			N
Surface Shoe	Internal	221	321	48	Balanced			Y
Surface	Internal	Surf	100	48	Balanced			N

- 10) RDMO workover unit and support equipment.
- 11) Dig around wellhead, cut off 6' below GL. Top off w/ cement if top plug is not at surface.
- 12) Weld information plate to casing stub with 1/4" weep hole. Take GPS reading of well information plate for regulatory agencies. Inscribe plate with following:

Re-plugged by Bison Operating
Will Bros #1
API 512305254
NWSW 3 6N 62W 6

- 13) Back fill hole and release equipment.