

PLUGGING SPECIFICATIONS

SUBJECT WELL

Ridl 16-1
NWSE Sec.16-T39N-R97W
Stark County, ND
Well File No. 16945

INTRODUCTION

The objective of this project is to plug the above referenced well, in compliance with requirements of Chapter 43-02-03 of the North Dakota Administrative Code.

WELL DATA

9 5/8" surface casing @ 2120', 7" intermediate casing @ 9150', TOC@ 4819, and CIBP at 9315'.
Formation tops possibly needing plugs– CIBP at 9315', Minnekahta 7009', Newcastle at 5349, surface plug.

SPECIFICATIONS

- A. The contractor must be prepared to, and shall, control any blow/flow from the well in order to minimize surface damage and to limit liabilities.
- B. Contractor shall arrange for all tools, equipment, products, fluids and any other items required to properly plug this well. Contractor is responsible for disposal of all fluids.
- C. Once plugging procedures begin, these specifications are subject to change with approval of the NDIC Oil & Gas Division field inspector if down-hole conditions warrant.
- D. Plugging Procedure:

Note: All cement must be API class G or Premium, 15.8 ppg.

- 1. Test deadmen anchors, MIRU, make sure well is dead, unflange wellhead, NU BOPs. Pull rods and tubing.
- 2. Run bit and scraper to 9315'.
- 3. Roll hole with clean heavy produced water, pressure test 1000# for 15 minutes.
- 4. Tag CIBP at 9315 and spot 25 sx on top of CIBP.

5. Spot 30 sx balanced plug across top of Minnekahta at 7009'.
 6. Spot 30 sx balanced plug across top of Newcastle at 5349'.
 7. Spot surface plug at 60' both inside and outside of the 7" intermediate casing.
 8. Cut off wellhead 4' below plow depth and weld on cap.
 9. Dig up and pull out dead men.
 10. File form 7 plugging report upon completion of plugging.
- E. Certain information from NDIC files concerning the well is represented in the WELL DATA paragraph. The information represents, to the best of the Commission's knowledge, the well bore and well site conditions of the well to be plugged. Actual conditions may be different. The complete well file may be examined at the Bismarck office of the NDIC Oil & Gas Division, 1016 East Calgary Avenue, Bismarck, ND.
- F. Contractor shall notify the Commission 48 hours before commencing the plugging operations.
- G. Contractor guarantees, against defects and workmanship, all work performed under the contract for a period of one year from the date of the Commission's final acceptance of the plugging. Contractor shall bear the entire cost and expense of all repairs that may, from any imperfection in work or material, be necessary within that time. Contractor shall not be liable for equipment, material, or workmanship supplied by the Commission.