

**LARCHER #3 PC
Repair Procedure
N Sec 7 T31N R10W
San Juan County, New Mexico**

1. Comply with all NMOCD, BLM, & MOI rules and regulations. Test rig anchors & MI blow pit. MOL and RU completion rig (**DAYLIGHT**). NU adapter flange & BOP with flow tee and stripping head. Test operation of rams. NU blooie line and 2-7/8" relief line. Blow well down. Only if necessary, kill well w/ water.
2. TOH w/ 1-1/4" tbg (2593').
3. TIH w/ 2-7/8" csg scrapper on tested 1-13/16" drillpipe to 2500'. TOH.
4. TIH w/ 2-7/8" Guiberson retrievable bridge plug on 1-13/16" drillpipe and set @ 2500'. Load hole. TOH. Dump 1 sx sand on RBP.
5. Pressure test the 2-7/8" csg to 1000 psi.
6. MI & RU Wireline truck. Run a Cement Bond log from 2400' to Surf. Apply 1000 psi if necessary to clarify bond. Pressure test csg to 1000 psi.
7. Perf 2 SQ holes in 2-7/8" csg 50' above the TOC. W/ bradenhead valve open and the pipe rams closed establish rate down 2-7/8". If circ can be established w/ bradenhead valve, circ cmt out bradenhead valve. Cmt w/ class "B" w/ 0.6% F.L. additive and 2% CaCl. Max pressure is 1000 psi. Flush cmt w/ water and a newspaper plug to leave 50' above perfs. Rig down cement crew and wait 4 hours. Check for flow. If circulation was not established then run a temperature survey and squeeze 50' above TOC.
8. TIH with 2-3/8" bit on 1-13/16" drillpipe. Drill out cmt w/ water below the squeeze holes & pressure test to 500 psi. Resqueeze if necessary. When pressure test holds, circ sand off RBP @ 2500' w/ nitrogen. Retrieve BP. TOH. TIH w/ 2-3/8" bit on 1-13/16" drillpipe & C.O. to PBTD 2659' w/ nitrogen. TOH laying down the drillpipe.
9. TIH w/ 1-1/4" tbg with seat nipple one joint off bottom.
10. Gauge well for gas flow.
11. ND BOP. NU wellhead. Release rig & resume production.

Approve: _____

J. A. Howieson

Recommend: _____

A. L. Walker, Jr.

VENDORS:

Wireline:	Schlumberger	325-5006
Cement & Nitrogen:	HOWCO	325-3575
Bridge Plugs:	Guiberson	327-9127