

# LANGLEY GRIFFIN #1

## Casing Leak Repair Procedure

Langley Griffin Com #1 (Strawn)  
980' FSL & 1980' FEL  
Sec. 28, T22S, R36E  
Lea Co., New Mexico

AFE Approved (# soon)  
APC WI 80.1314%  
APC RI 63.2157%  
KB - GL = 20'

1. Shut in Devonian for 3 days. MIRU SL. Run BHP bomb on Devonian long string and determine static BHP.
2. TIH w/ SL & set profile plug in long string 'EL' receptacle. See attached tool sketch - profile is a 1.81" 'F' profile.
3. Pressure up on long string and test profile plug.
4. TOH w/ rods and pump. TOH w/ short string.
5. Un-J from on-off tool and TOH w/ long string.
6. TIH w/ bit and scraper to 12,200' +/- TOH.
7. TIH w/ packer and RBP. Isolate casing leak. Test uphole of packer to ensure no casing leaks between packer and surface.
8. Set RBP 200'+/- below casing leak. Establish injection rate into casing leak. Report results to Midland office.
9. Dump 4 sx sand on RBP. Unset packer and TOH.
10. TIH & set CICR 50'+/- above casing leak.
11. Squeeze casing leak. Engineering will recommend slurry types and volumes from depth and injection data.
12. Sting out of cement retainer. TOH and WOC.
13. TIH w/ bit and scraper. Drill out cement retainer and cement. Swab test through bit to make sure there is no more fluid entry. TOH. DO NOT PRESSURE TEST SQUEEZE.
14. TIH w/ RBP retrieving tool. Reverse excess sand off RBP. Retrieve RBP and TOH.
15. TIH w/ packer and RBP. Set RBP @ 8900'+/-. Pickle tubing by pumping 500 gal 15% NEFE through packer and reversing back up.