

ABANDONMENT PROCEDURE

LANGLIE JAL UNIT NO. 51 WIW
Unit Letter "F", 1980' FNL & FWL
Section 6, T-25-S, R-37-E
Lea County, New Mexico

Notification:

1. Notify the ^{BUREAU OF LAND MANAGEMENT (BLM)} ~~New Mexico Oil Conservation Division~~ at (505) 393-³⁶¹²~~6161~~ at least 24 hours prior to commencing abandonment operations.
2. Notify UTP and ^{BLM} ~~New Mexico Oil Conservation Division~~ prior to making any deviation from the approved abandonment procedure. The UTP Foreman responsible for the operation should keep a copy of the approved work permit on location.

Procedure:

1. MIRU well service unit equipped with pump, tank, BOP and cement mixing equipment.
2. ND wellhead. NU BOP.
3. Release Guiberson Uni-Packer IV set at 3002'. Use Uni-Packer IV to find top of casing leak. Suspect leak is above 400'. Begin by setting packer at 1100'. Circulation can be established up the 8-5/8" x 5-1/2" annulus. Lay down 2-3/8" tubing when coming out of hole.
4. POH and lay down remaining 2-3/8" IPC J-55 4.7# production tubing and Guiberson packer.
5. PU and RIH with a 5-1/2" 14# CIBP on either a 2-3/8" or 2-7/8" workstring. Set CIBP at 3100'.
6. Mix and spot 25 sx cement plug from 3100' to 2860'. Use Class "C" mixed at 14.8 ppg and 1.32 cu ft/sk for this and all other plugs.
7. PU tubing to 2800'. Displace hole with 70 Bbls of 10 ppg gelled salt brine (25# gel/Bbl). Circulate the long way due to casing leaks.
8. PU tubing to 1150' (100' below the top of the salt).
9. Mix and spot 25 sx balanced cement plug from 1150' to 910'. TAG PLUG.
10. POH with tubing.

11. If casing leak is below 8-5/8" shoe at 260', we will pump sufficient cement to fill the 8-5/8" x 5-1/2" annulus and 5-1/2" casing fully with cement (estimate ± 100 sacks).

If the leak is above 260', call Midland District. NMOCD will be contacted regarding pulling of casing or plug requirements across the 8-5/8" shoe and the surface plug.

12. POH and lay down workstring.
13. ND BOP's. Cut off casing 5' below ground level. Weld on steel plate with well name, number, and location on top of casing. Install dry hole marker. Back-fill pits and cellar.
14. RDMOSU.
15. Remove all injection equipment and clean-up location.