

Verbal Regulatory approval _____

AFE approval 7/10/01 → revd 1/3/02
Regulatory approval _____

West Loco Hills Unit Tract 3 Well #4
Unit C 990' FNL, 1650' FWL, Sec 12 T18S R29E
Eddy County, New Mexico

PLUGGING PROCEDURE

Call the BLM in Carlsbad with a 24 hour notice before commencing operations

505-887-6554

Call OCD in Artesia with a 24 hour notice before commencing operations

505-748-1283

Note: INCONSISTENCIES EXIST IN THE WELL FILE THE 4.5" CASING STRING
MAY BE SCAB LINER IN A LARGER STRING OF PIPE.

1. MIRU WSU. Rig up all H2S safety equipment. No casing recovery will be attempted. TOH with tubing. Inspect tubing and if necessary procure needed tubing from YPC yard.
2. RU WL.TIH with WL set CIBP @ 2,396' TOH. TIH with tubing tag CIBP load hole with plugging mud. Keep wellbore loaded with mud. Spot 25 sack Class C Cement plug from 2,106' to 2,396'.
3. TOH with tubing. Perforate 4.5" casing with casing guns 6 shots @ 1100'. Perforate 4.5" casing with casing guns 6 shots @ 451'.
4. TIH with WL set cement retainer @ 1050', TOH. TIH with tubing load hole with plugging mud, sting into retainer and establish an injection rate. Squeeze with 75 sacks Class C Cement. Leave 35' of cement on top of retainer. TOH with tubing.
5. ND BOP's. TIH with WL set cement retainer @ 351', TOH. TIH with tubing load hole with plugging mud. Sting in to retainer and establish circulation. Squeeze with 75 sacks of class C cement from 351' to 451'. leave 35' of cement on retainer. TOH with tubing.
6. Spot 15 sack Class C Cement plug at surface.
7. Remove all surface equipment and weld dry hole marker per regulations.

Total cement - 210 sacks "neat" Class "C" cement 1.32 ft³/sk. 14.8#/gal. 6.32 gal/sk
Have an additional 200 sacks of Class "C" cement on location for contingency plugs.
Have 250 pounds dry CaCl₂ on location for use in mixing water as needed.

Mike Hill
January 20, 2000
MH/my documents\word\proposal\pa\WLH3w4p.doc
CC:
Jim Brown
Brian
Dyke (2)
Darrell
Stormi
Rusty
Engineering File
Geology file

Operations Engineering Supervisor B date 1-21-00

Operations Manager hbc date 24 Jan 00