

Verbal Regulatory approval _____
AFE approval _____
Regulatory approval _____

Indian Hills AGR State No. 1
Unit M 660' FSL, 660' FWL, Sec 36 T21S R24E NMPM
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

1. MIRU WSU. ND Wellhead NU BOP. RU all H2S and safety equipment. 7,650' of casing recovery will be attempted. TOH with 2 7/8" tubing. Inspect tubing and if necessary procure needed tubing from the YPC yard.
2. TIH with tubing and tag CIBP @ 9,990' load the hole with plugging mud. Spot a 5 sack Class C Cement plug on top of the CIBP from 9,940' to 9,990'. Pull tubing up the hole and reverse circulate the tubing clean. Spot a 25 sack plug from 8,760' to 9,010 and WOC. Tag plug with tubing and reset if necessary. POOH.
3. RU WL and cut 5.5 " casing @ 7,650'. TOH with WL and attempt to pull casing. If the casing is not free RU WL to determine the free point of the casing. Cut casing at the free point and pull casing. Call the office for revised plugging procedure.
4. TIH with tubing load hole with plugging mud and spot 50 sacks Class C Cement plug from 7,600' to 7,700' across the 5.5" casing stub. Pull tubing up the hole into the intermediate casing and WOC. Tag plug with tubing and reset if necessary.
5. Load the hole with plugging mud and spot 50 sacks Class C Cement plug from 5,600' to 5,700'. Pull tubing up the hole to 3,700'.
6. Load the hole with plugging mud and spot 50 sacks Class C Cement plug from 3,600' to 3,700'. Pull tubing up the hole to 1,700'.
7. Load the hole with plugging mud and spot 50 sacks Class C Cement plug from 1,600' to 1,700' across the intermediate casing shoe. Pull tubing up the hole and circulate clean and WOC. Tag plug with tubing and reset if necessary
8. Load hole with plugging mud and spot 50 sacks Class C Cement plug from 399' to 299' across the surface casing shoe. POOH with tubing and WOC. Tag plug with tubing and reset if necessary
9. Spot 15 sack Class C Cement plug at surface.
10. Remove all surface equipment and weld dry hole marker per regulations.

Total cement - 300 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.

Operations Engineering Supervisor Ray Stall date 4-5-01

Mike Hill
April 4, 2001
MH/mydocs\Word\proposal\pa\IndianHillsState1.doc

cc:	Ray Stall	Dave Boneau	Stormi Davis	Geol. file
	Dyke Dodson (2)	Rusty Klein	George Freeman	Engr. File
	Pinson	Darrell Atkins		