

INDIAN HILLS UNIT NO. 5
1470' FWL and 1230' FSL
Unit Letter "N"
Section 33, T-21-S, R-24-E
Eddy County, New Mexico

Date: March 3, 1992

GL: 4,089' KB: 4,107'

TD: 7,738' PBTD: 7,738'

Surface Casing: 13-3/8", 48#/ft., set @ 308' (350 sx) TOC @ 153', then 1" pipe used with 175 sxs to bring cement to surface.

Intermediate Casing: 8-5/8", 32#/ft., set @ 2,525 (1,800 sx) Cement circulated to surface.

Production Casing: 5-1/2", 17#/ft, set @ 7,716' (300 sx), TOC - 6015'

Production Tubing: 2-3/8", 4.7#/ft., J-55 @ 7,706', TIW packer @ 7,504'.

Perforations: Upper Penn (open hole) 7,716-7,738'.

Procedure to Plug and Abandon

1. Set anchors. MIRU PU.
2. ND wellhead. NU BOP's.
3. Release TIW packer and POOH.
4. GIH with 5-1/2" CIBP for 17#/ft. casing on 2-3/8" workstring and set the CIBP at + 7,700'. Pull up and put a 50' cement plug on top of the CIBP which will be approximately 5 sxs of Class "C" cement.
5. Pull up to + 7,640' and fill the casing with 9 ppg mud to 5,600'. POOH with the tubing.
6. ND the BOP's. ND the tubing head. NU a hydrill on the 12" 3000# WP casing head spool.
7. RU spear into the 5-1/2" casing.
8. RU wireline company and pull tension on the 5-1/2" casing and cut the casing at 5,700'. RD wireline company.
9. Circulate the annulus of the 5-1/2" with 9 ppg mud to ensure that the Bone Spring zone is not active.
10. POOH with the 5-1/2" casing, laying it down.