

INDIAN HILLS UNIT NO. 1
660' FSL and 660' FWL
Unit Letter "M"
Section 21, T-21-S, R-24-E
Eddy County, New Mexico

Date: March 3, 1992

GL: 3,670' KB: 3,681'

TD: 10,212' PBTD: 9,300'

Surface Casing: 13-3/8", 48#/ft., set @ 304' (960 sx) TOC - Surface

Intermediate Casing: 9-5/8", 36#/ft., set @ 3,098' (1,263 sx) TOC by temperature survey at 184'. Then pumped 50 sxs Incor Neat to surface.

Production Casing: 7", 23#/ft, 26#/ft, 29#/ft, @ 10,159' (700 sx), TOC - 6400'

Production Tubing: 2-3/8", set @ 9,155', Baker Lok-Set @ 9,124' with the following released downhole (+54'). Mechanical tubing release, 1 jt of 2-3/8" tubing, 4' x 2-3/8" sub, firing head, 14' of steel carrier and bull plug.

Perforations: Morrow 9200'-9214', 4 JSPF, 56 holes.

Squeezed Perforations: Upper Penn 7316-32', 7410-20', 7536-48', 7590-7610', 7690-7740'.

Procedure to Plug and Abandon

1. Set anchors. MIRU PU.
2. ND wellhead. NU BOP's.
3. Release Baker Lok-Set packer and POOH.
4. GIH with 7" CIBP for 23-29#/ft. pipe on 2-3/8" workstring and set the CIBP at 9,150'. Pull up and put a 50' cement plug on top of the CIBP which will be approximately 8 sxs of Class "C" cement.
5. Pull up to + 9,099' and fill the casing with 9 ppg mud to 6,000'. 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 7" casing.
8. RU wireline company and pull tension on the 7" casing and cut the casing at 6,100'. RD wireline company.