

WINNINGHAM NO. 1
JALMAT (GAS) FIELD
LEA COUNTY, NEW MEXICO

Plug and Abandonment Procedure

Project Engineer: Denny O'Connell

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1. Notify New Mexico OCD prior to starting work.
2. MIRU PU. ND wellhead, NU BOP. Pull tubing laying down. Pu workstring and run 7" casing scraper to 2710'. POOH.
3. Set a cement retainer at 2700' and squeeze open hole (across csg shoe) with 60 sks class "C" cement with 2% CaCl_2 (assume 50 % eff. in open hole). Cap retainer with 20 sks cmt up to 2570' to cover BOS. Pull up above plug and circulate hole with 9 ppg gelled brine.
4. Set 20 sks cmt plug from 1590' - 1710' to cover TOS. POOH.
5. Run perforating guns to 350' and perforate four squeeze holes. Open bradenhead and establish circulation of H_2O to surface. Pump 105 sks cmt down csg across csg shoe (assume 50% eff) allowing it to circulate out of bradenhead. Do not displace!
6. Cut off casing 3' from surface and install P&A monument. Lay down workstring RDMO. PU. Clear and restore location.

APPROVED: _____

T.J. Harrington
T.J. Harrington

DATE: _____

22 July 92

7/22 7/7/92

28/5
Denny

