

West

FOUR DINKUS HZ ST. 1

22-18S-24E

PLUG AND ABANDONMENT PROCEDURE

12/21/93

3750' BB

K-6973

SRM 1152

30.015-22140

SWNE -

Unit G
1980 FNL
1980 FEL

GENERAL: GIVE NMOCD 24 HRS. ADVANCE NOTICE OF PLUGGING (748-1283) APPROVED NMOCD SUNDRY NOTICE MAY VARY FROM THIS PROCEDURE. USE SUNDRY. IF SUNDRY HAS UNREASONABLE PLUGS, ETC., DO NOT HESITATE TO DISCUSS WITH NMOCD.

PROCEDURE:

1. MIRU WSU. Kill well and NU BOP. Unseat packer at 5005', catch RBP at 5327' and TOO H with tools. Retrieve Uni-6 packers at 7500', 7855' and Lokset at 7956'.

a) Wellfile is very sketchy as to what tools are still in well. The above tools should be the worst case.

2. RU lubricator. Set CIBPs + 35' Class "H" cement at 7850' (Strawn), 6400' (Penn) and 5000' (Wolfcamp). Three sacks of cement will occupy approx. 40' inside the casing mixed at 15.6 ppg, 1.18 cfps, 5.2 gwps. RIH open ended and circulate casing full of 9 ppg BW containing 25 ppb salt gel (80 bbls. casing volume).

3. With well loaded with fluid and dead, ND wellhead and weld lift nipple onto 4-1/2" casing. Pull tension onto casing. RU wireline company and shoot casing off at 4400' with chemical cutter (TOC 4525' CBL). RU casing handling equipment and laydown machine and TOO H and laydown casing. Be prepared to run freepoint if casing doesn't come free. Use freepoint formula to estimate freepoint before cutting casing to make sure freepoint is in the ballpark.

4. Spot a 30 sk. Class "C" neat cement plug 50' in and 50' out of casing stub. Pump 2 bbls. FW ahead of cement and 2 bbls. FW followed by ___ bbls. mud behind cement to spot plug. Add CaCl₂ as necessary to accelerate setting time. WOC 2 hrs. and tag plug.

5. Spot a 45 sk. Class "C" neat cement plug from 3953-3853' across top of Abo. Pump 2 bbls. FW ahead of cement and 2 bbls. FW followed by 13 bbls. mud behind cement to spot plug. Add CaCl₂ as necessary to accelerate setting time. WOC 2 hrs. and tag plug.

6. Spot a 45 sk. Class "C" neat cement plug from 1895-1795' across top of Glorieta. Pump 2 bbls. FW ahead of cement and 2 bbls. FW followed by 5 bbls. mud behind cement to spot plug. Add CaCl₂ as necessary to accelerate setting time. WOC 2 hrs. and tag plug.

7. Spot a 40 sk. Class "C" neat cement plug from 1053-953' across 8-5/8" casing shoe. Pump 2 bbls. FW ahead of cement and 2 bbls. FW followed by 2 bbls. mud behind cement to spot plug. Add CaCl₂ as necessary to accelerate setting time. WOC 2 hrs. and tag plug.

* Plug 268-368

8. Pull up to 40' and spot 10 sx Class "C" neat cement plug to surface.

9. Cut off wellhead and casing 3' below ground level. Weld a steel plate with a ball valve onto the casing. Install dryhole marker with name and location of well. Clean up the location and haul equipment to the yard.

Cement Properties: Class "C" 14.8 ppg, 6.3 gwps, 1.32 cfps

kbc/dinkplug.doc