Westland 15 #1- Wildcat Morrison

PLUG AND ABANDONMENT PROCEDURE

800' FSL & 800' FEL Section 15, T010N, R001W, API #30-001-20012

July 26, 2005

Note: All cement volumes use 100% excess outside casing and 50 foot excess inside casing. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Type III, mixed at 14.8 ppg with a 1.32 cf/sx yield.

- Install and test rig anchors. Comply with all NMOCD, BLM and XTO safety rules and regulations. Conduct safety meeting for all personnel on location. MOL and RU daylight pulling unit. NU relief line. ND wellhead and NU BOP and stripping head; test BOP.
- 2. Tally and prepare a 2.375" tubing workstring.
- 3. PU a 4-3/4" bit and TIH with workstring. Tag DV tool at approximately 4690'. Establish circulation with waster and drill out DV tool. Clean out to PBTD at approximately 6642'.
- 4. Plug #1: 6642' 6452': Load casing with water and circulate well clean. Pressure test casing to 1000#. If casing does not test, then spot or tag subsequent plugs as necessary. Mix 15 sxs Type III cement and spot a balanced plug inside casing from 6642' to 6452'. PUH to 3747'.
- 5. Plug #2: 3747' 3647': Mix 15 sxs Type III cement and spot a balanced plug inside the casing from 3747' to 3647'. PUH to 1004'.
- 6. **Plug #3: 1004' 804'):** Mix 20 sxs Type III cement and spot a balanced plug inside the casing from 1004' to 804'. TOH and LD tubing.
- 7. **Plug #4 (Surface casing shoe, 110' 0'):** RU wireline unit and then perforate 3 squeeze holes at 110'. Establish circulation to surface out the 9.625" x 13.275" bradenhead annulus with water. Mix and pump approximately 50 sxs Type III cement down the 5.5" casing to circulate good cement out bradenhead valve. Shut well in and WOC.
- ND BOP and cut off wellhead below surface casing flange. Install P&A marker with cement to comply with regulations. RD, MOL and cut off anchors. Restore location per NMOCD stipulations.

Westland 15 #1

Current

Wildcat Morrison

800' FSL & 800' FEL, Section 15, T-10-N, R-1-W Bernalillo County, NM / API # 30-001-20012

Lat: 36.0899167 N / Long: 106.9234722 W

Today's Date: 7/26/05

Spud: 4/1/05 MOL: 4/26/05

Elevation: 5367' GI 5379' KB 17.5" hole

12.25" hole

13.375" Conductor Casing set @ 60' Cement with 80 sxs, Circulated

TOC @ 523' (T.S.)

9.625" 36#, J-55 casing set at 904' Cement with 800 sxs

DV Tool @ 4690' Cement with 1315 sxs, Circulated 200 bbls to surface.

5.5" 17#, J-55 casing set at 6688'

Cement with 375 sxs, Circulated 20 bbls to surface after opening DV tool.

TD 6697

8.75" Hole

*****D.

Westland 15 #1

Proposed P&A Wildcat Morrison

800' FSL & 800' FEL, Section 15, T-10-N, R-1-W Bernalillo County, NM / API # 30-001-20012

Lat: 36.0899167 N / Long: 106.9234722 W

Today's Date: 7/26/05

Spud: 4/1/05 MOL: 4/26/05

Elevation: 5367' GL

5379' KB

17.5" hole

13.375" Conductor Casing set @ 60' Cement with 80 sxs, Circulated

Perforate @ 110'

TOC @ 523' (T.S.)

Plug #4: 110' - 0' Type III cement, 50 sxs

Plug #3 @ 904'

12.25" hole

9.625" 36#, J-55 casing set at 904' Cement with 800 sxs

Plug #3: 1004' - 804' Type III cement, 20 sxs

Plug #2 @ 3697'

Plug #2: 3747' - 3647' Type III cement, 15'sxs

DV Tool @ 4690' Cement with 1315 sxs, Circulated 200 bbls to surface.

> Plug #1: 6642' - 6542' Type III cement, 15 sxs

Plug #1 @ TD

8.75" Hole

TD 6697'

5.5" 17#, J-55 casing set at 6688' Cement with 375 sxs, Circulated 20 bbls to surface after opening DV tool.