

EOG (New Mexico) Inc.  
Crane Federal #8 (PC)  
790' FNL, 1650' FEL, Sec. 29, T-24-N, R-1-W  
Rio Arriba County, NM  
NM036224

November 10, 1995

### Plug & Abandonment Report

#### Cementing Summary:

Plug #1 with 24 sxs Class B cement from 3119' to 2808' inside casing over Ojo Alamo top.

Plug #2 with retainer at 1624', mix 36 sxs Class B cement, squeeze 27 sxs cement outside casing from 1665' to 1565' and leave 9 sxs cement inside casing to 1515' over Nacimiento top.

Plug #3 with 51 sxs Class B cement from 97' to surface, circulate 1/2 bbl good cement returns out bradenhead.

#### Plugging Summary:

11-8-95 Drive rig and equipment to location. RU rig and equipment. Move float with tubing work string to location. Open up well, no pressure. NU BOP and test. RU floor. RIH with 101 joints 2-3/8" tubing and tag cement above CIBP at 3119'. Establish circulation with 2 bbls water. Plug #1 with 24 sxs Class B cement from 3119' to 2808' inside casing over Ojo Alamo top. POH with tubing. Shut in well. SDFD.

11-9-95 Safety Meeting. Open up well. Load casing with 6 bbls water. Attempt to pressure test casing, leak. RU A-Plus wireline truck. RIH with 4-1/2" gauge ring; tag cement at 2828'. POH with gauge ring. Perforate 3 HSC squeeze holes at 1665'. PU 4-1/2" cement retainer and RIH; set at 1624'. Establish rate into squeeze holes 1 bpm at 1000# with bradenhead open. Plug #2 with retainer at 1624', mix 36 sxs Class B cement, squeeze 27 sxs cement outside casing from 1665' to 1565' and leave 9 sxs cement inside casing to 1515' over Nacimiento top. POH and LD tubing.

11-9-95 Continued: Perforate 3 squeeze holes at 147'. Attempt to establish circulation out bradenhead, pump 2 bpm at 500#; no circulation to surface. Pump 3 bbls water into bradenhead valve, pressured up to 500#. A. Yepa, BLM required additional perforation at 97'. Perforate 3 HSC squeeze holes at 97'. Establish circulation out bradenhead with 2 bbls water. Plug #3 with 51 sxs Class B cement from 97' to surface, circulate 1/2 bbl good cement returns out bradenhead. Shut in well and WOC. ND BOP. Dig out wellhead. Cut wellhead off. Found 4-1/2" x 8-5/8" casing annulus down 20'. Mix 15 sxs Class B cement and fill 4-1/2" x 8-5/8" casing annulus and install P&A marker. Rig down rig and equipment. Move off location.  
A. Yepa, Cuba BLM was on location.