

70' FNL and 130' FEL, Section 28, T-30-N R-03-W
Rio Arriba County, NM
Lease Number: MDA 701-98-0013
API #30-039-29265

Plug and Abandonment Report
Notified NMOCD and BLM on 8/21/14

Plug and Abandonment Summary:

- Plug #1** with 121 sxs (142.78 cf) Class B cement with 1% CaCl inside casing from 3729' to 2661' to cover the Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops. Tag TOC at 2720'. ✓
- Plug #2** with 36 sxs (42.48 cf) Class B cement inside casing from 2128' to 1811' to cover the Nacimiento top. ✓
- Plug #3** with 49 sxs (57.82 cf) Class B cement inside casing from 356' to surface to cover 8-5/8" shoe and surface 1) Pump 41 sxs to circulate good cement out 5-1/2" casing valve, 2) TOH LD all tubing and plugging sub, RU pump to 5-1/2" casing valve, 3) Pump 8 sxs to refill 5-1/2" casing. ✓
- Plug #4** with 22 sxs Class B cement top off with polypipe and install P&A marker with the coordinates N36° 97' 23.6" / W107° 08' 49.4". ✓

Plugging Work Details:

- 8/21/14 Notified B. Hammond Jicarilla BLM, BLM Cement Hotline & B. Powell NMOCD at 8:30 AM, 8/21/14.
- 8/25/14 MIRU A-Plus Rig #14 & McGuire H2S safety equipment. Check for H2S, none present. RD prod tree. Check well pressures: SITP 40 PSI, SICP 45 PSI and SIBHP 0 PSI. RU relief lines and blow well down. No H2S monitored. Pressure test tubing to 800#, OK. PU on rod string. LD stuffing box, 4' x 3/4" pony rod, 133-3/4" rods with pin on bottom. Rods backed off. ND wellhead. NU and function test BOP. PU on tubing string and LD hanger. SI well. SDFD.
- 8/26/14 Check well pressures: SITP and SIBHP 0 PSI, SICP 125 PSI. Blow well down. Function test BOP. TOH tally 117 joints 2-3/8" tubing, SN, & mud anchor and recovered 15-3/4" rods (148 total from well) and 2" pump. TIH, tag at 3729'. Note: B. Hammond, Jicarilla BLM, T. Salyers, BLM, & B. Powell, NMOCD approved procedure change to omit CR and pump plug #1 from as deep as possible. Pump 50 bbls ahead. Spot plug #1 with calculated TOC at 2661'. TOH. SI well and WOC. TIH and tag plug #1 TOC at 2720'. TOH to 2128'. RU pump to tubing and load hole with 55 bbls. Circulate well clean. Pressure test casing to 800#, OK. Spot plug #2 with calculated TOC at 1811'. TOH to 356'. RU pump to bradenhead, pressure up to 300 PSI with 3/4 bbls, OK. SI well. SDFD.
- 8/27/14 Open up well; no pressures. Function test BOP. Spot plug #3 from 356' with TOC at surface. ND BOP. Dig out wellhead. Write Hot Work Permit. Cut off wellhead. Found cement at surface in 5-1/2" casing and down 25' in 8-5/8" casing. Spot plug #4 top off with polypipe and install P&A marker with coordinates N36° 47' 23.6"/W 107° 08' 49.4" RD and MOL.
- Bryce Hammond, Dakota Whitehawk, Jicarilla BLM on location. ✓
T. Kier, McGuire's, on location.