

A-PLUS WELL SERVICE, INC.

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Roddy Production Co.
Lucerne Federal #5R

January 9, 2017
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790' FSL and 1850' FEL, Section 17, T-28-N, R-11-W
San Juan County, NM
Lease Number: NM-010063
API #30-045-29449

Plug and Abandonment Report
Notified NMOCD and BLM on 1/3/17

Plug and Abandonment Summary:

- Plug #1** with CR at 1682' spot 29 sxs (34.22 cf) Class B cement from 1682' to 1300' to cover the Pictured Cliffs and Fruitland tops.
- Plug #2** with 25 sxs (29.5 cf) Class B cement from 729' to 400' to cover the Kirtland and Ojo Alamo tops. Tag TOC at 396'.
- Plug #3** with 48 sxs (56.64 cf) Class B cement from 285' to surface to cover the surface casing shoe.
- Plug #4** with 24 sxs top off casings and install P&A marker with coordinates N 36° 29' 26" / W 108° 1' 28".

Plugging Work Details:

- 1/4/17 Rode rig and equipment to location. Spot in and RU. Check well pressures: tubing and casing 10 PSI, bradenhead 0 PSI. Blow well down. ND wellhead. NU BOP and function test, OK. PU on tubing and LD tubing hanger. Install stripping rubber. SI well. SDFD.
- 1/5/17 Open up well; no pressures. POH and tally 2-3/8" EUE tubing, total tally 1740'. Round trip 4-1/2" watermelon mill to 1740'. PU 4-1/2" DHS CR and set at 1682'. Attempt to pressures test tubing, unable. Circulate well clean. Pressure test casing to 800 PSI for 30 minutes, OK. Drop standing valve. Pressure test tubing 15 jnts at a time, passed. RU fishing tools. Retrieve standing valve. RD fishing tools. TOH with tubing and LD stinger, found hole in 53 jnt. PU 1 jnt and test OK. **Spot plugs #1 and #2**. LD all tubing. SI well. SDFD.
- 1/6/17 Open up well; no pressures. TIH and tag TOC at 396'. RU A-Plus wireline. Perforate 4 HSC squeeze holes at 190'. Note: Ron Chavez, BLM, and Charlie Perrin, NMOCD, approved procedure change. Circulate well clean. **Spot plug #3** with TOC at surface. Circulate well clean. Dig out wellhead. Cut off wellhead. Found cement down 4' in 4-1/2" casing and 10' in annulus. **Spot plug #4** to top off casings and install P&A marker with coordinates N 36° 29' 26" / W 108° 1' 28". RD and SDFD.
- 1/9/17 Travel to location. MOL.

Jeremy Divine, Roddy Production representative, was on location.
Ron Chavez, BLM representative, was on location.

Roddy Products
Lincaine Pedestal
Co.

