

DJR Operating LLC

Plug And Abandonment End Of Well Report

Jack Bingham

440' FSL & 1740' FEL, Section 32, T25N, R11W

San Juan County, NM / API 30-045-27493

Work Summary:

- 8/29/19** Made BLM and NMOCD P&A operations notifications at 9:00 AM MST.
- 8/30/19** MOL and R/U P&A unit. Checked well pressures: Tubing: 0 psi, Casing: 50 psi, Bradenhead: 0 psi. Bled down well. Road to location had to be built up to get equipment on location. L/D rod string and rod pump. N/D wellhead, N/U BOP and function tested. TOOH L/D production tubing string. L/D 102 total joints, at joint 95 tubing started to become pitted. Shut-in well for the day.
- 9/3/19** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. Move out tubing float, move in work string float. P/U bit and bit sub on work string and tallied in the hole to top of fish at 3470'. TOOH. P/U impression block and round tripped back to surface. Impression block showed what appeared to be a parted tubing union. Shut-in well for the day.
- 9/4/19** Checked well pressures: Tubing: 0 psi, Casing: 10 psi, Bradenhead: 0 psi. Bled down well. P/U overshot with 3-1/16" basket grapple. TIH and tagged top of fish at 3476'. Rotated over top of fish and set down weight on fish, fish dropped 2'. TOOH, no fish inside overshot. P/U overshot with 3" grapple. TIH to top of fish. Rotated over top of fish at 3478'. TOOH not showing any extra weight. No fish in overshot. L/D overshot and replace grapple with 3-1/16" long catch stop. TIH and tagged top of fish at 3478'. Attempted to mill grapple over top of fish but was unsuccessful. TOOH. L/D overshot. P/U bulldog over socket with slip die insert. TIH and tagged fish, worked over fish 2-1/2' and engaged over socket. Pulled 20,000 lbs over string weight

and pulled free. Weight indicator indicated 3000 lbs over string weight. TOO H and L/D 3 joints of tubing. Shut-in well for the day.

- 9/5/19** Checked well pressures: Tubing: 0 psi, Casing: 10 psi, Bradenhead: 5 psi. Bled down well. R/U overshot. TIH and latched onto tubing. Rotated to the right in an attempt to release tubing anchor but was unsuccessful. Made a call to client and scheduled free point services for 9-6-19. Shut-in well for the day.
- 9/6/19** Checked well pressures: Tubing: 0 psi, Casing: 10 psi, Bradenhead: 0 psi. Bled down well. R/U wire line services. RIH with gauge ring and tagged tubing anchor at 4656'. R/U free point tool. RIH and free pointed tubing at 4650'. TIH with overshot and successfully fished 1147' of tubing. P/U casing scraper and round tripped to top of tubing anchor at 4650'. P/U CR, TIH and set at 4644'. Pressure tested tubing to 1000 psi in which it successfully held pressure. Stung out of CR and circulated the wellbore clean with 60 bbls of fresh water. Attempted to pressure test casing to 800 psi in which it failed to hold pressure. TOO H and L/D stinger nose. Shut-in well for the day. John Durham was NMOCD inspector on location.
- 9/9/19** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. R/U wire line services. Ran CBL from CR at 4644' to surface. TIH with stinger nose and stung into CR. Attempted to establish injection rate through CR at 4644' but was unsuccessful. Stung out of CR. R/U cementing services. Pumped plug #1 from 4644'-4444' to cover the Gallup perforations and formation top. WOC 4 hours. TOO H and L/D stinger nose. TIH with cementing sub and tagged plug #1 top at 4459'. TOO H. R/U wire line services. RIH and perforated squeeze holes at 3826'. P/U CR, TIH to above setting depth. Shut-in well for the day. John Durham was NMOCD inspector on location.
- 9/10/19** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH and set CR at 3786'. Stung out of CR and attempted to pressure test casing to 800 psi in which it failed to hold pressure and circulated up Bradenhead. Stung into CR and attempted to establish injection rate through CR at 3786' but was unsuccessful. NMOCD approved spotting balanced plug above CR at 3786'. R/U cementing services. Pumped plug #2 from 3786'-3374' to cover the Mancos and Pt. Lookout formation tops. WOC 4 hours. TIH and tagged plug #2 top at 3365'. TOO H. R/U wire line services. RIH and perforated squeeze holes at 2597'. P/U CR, TIH and set at 2547'. R/U cementing services. Successfully established injection rate through CR and into perforations at 2597'. Squeezed 116 sx of cement through CR and into perforations at 2597'. Stung out of CR and

spotted 88 sx of cement on top of CR at 2547'. WOC overnight. Shut-in well for the day. John Durham was NMOCD inspector on location.

9/11/19 Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH and tagged plug #3 top at 1991' which was 200' short of minimum tag depth. Attempted to pressure test casing to 800 psi in which it failed to hold pressure. R/U cementing services. Topped-off plug #3 with 29 sx of cement. WOC 4 hours. TIH and tagged plug #3 top at 1783'. Attempted to pressure test casing to 800 psi in which it failed to hold pressure. R/U cementing services. Pumped plug #4 from 1500'-1033' to cover the Chacra and Pictured Cliffs formation tops. WOC 4 hours. TIH and tagged plug #4 top at 1052'. Attempted to pressure test casing to 800 psi in which it failed to hold pressure and circulated up Bradenhead. R/U wire line services. RIH and perforated squeeze holes at 840'. P/U CR, TIH and set at 790'. R/U cementing services. Established injection rate through CR and into perforations at 840'. Squeezed 74 sx through CR and into perforations at 840' before wellbore locked up. Stung out of CR and spotted 24 sx of cement on top of CR at 790' bringing cement top up to 500'. WOC overnight. Shut-in well for the day. John Durham was NMOCD inspector on location.

9/12/19 Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH and tagged surface plug top at 376'. R/U wire line services. RIH and perforated squeeze holes at 364'. R/U cementing services. Successfully established circulation down through perforations at 364' and back around and out Bradenhead valve at surface. Successfully circulated cement down through perforations at 364' and back around and out Bradenhead valve at surface. N/D BOP and cut-off wellhead. Ran weighted tally tape down both casings and tagged cement 1' down in surface casing and 7' down in 5.5" production casing. Installed P&A marker per NMOCD/BLM standards. Topped-off well with 43 sx of cement. Photographed the P&A marker in place and recorded its location via GPS coordinates. R/D and MOL. John Durham was BLM inspector on location.

Plug Summary:

Plug #1: (Gallup Perforations and Formation Top 4644'-4459', 24 Sacks Class G Cement)

P/U CR, TIH and set at 4644'. Attempted to establish injection rate through CR at 4644' but was unsuccessful. Stung out of CR and

spotted 24 sx of cement on top of CR at 4644' to cover the Gallup perforations and formation top.

Plug #2: (Mancos and Pt. Lookout Formation Tops 3786'-3365', 49 Sacks Class G Cement)

RIH and perforated squeeze holes at 3826'. P/U CR, TIH and set at 3786'. Attempted to establish injection rate into perforations at 3826' but was unsuccessful. Stung out of CR and spotted 49 sx of cement on top of CR at 3786' to cover the Mancos and Pt. Lookout formation tops.

Plug #3: (Mesa Verde(Menefee, Cliffhouse) Formation Tops and DV Tool 2597'-1783', 233 Sacks Class G cement(Squeezed 116 sx)(Topped-off with 29 sx))

RIH and perforated squeeze holes 2597'. P/U CR, TIH and set at 2547'. Successfully established injection rate into perforations at 2597'. Mixed 204 sx Class G cement and squeezed 116 sx through CR at 2547' and into perforations at 2597'. Stung out of CR and spotted 88 sx of cement on top of CR at 2547' to cover the Mesa Verde(Menefee, Cliffhouse) formation top and DV Tool. Topped-off plug with 29 sx Class G cement.

Plug #4: (Chacra and Pictured Cliffs Formation Tops 1500'-1052', 55 Sacks Class G Cement)

Mixed 55 sx Class G cement and spotted a balanced plug to cover the Chacra and Pictured Cliffs formation tops.

Plug #5: (Surface Shoe 840'-376', 98 Sacks Class G Cement(Squeezed 74 sx), 376'-Surface, 186 Sacks Class G Cement(43 Sacks for top-off))

RIH and perforated squeeze holes at 840'. P/U CR, TIH and set at 790'. R/U cementing services. Established injection rate through CR and into perforations at 840'. Squeezed 74 sx through CR and into perforations at 840' before wellbore locked up. Stung out of CR and spotted 24 sx of cement on top of CR at 790' bringing cement top up to 500'. WOC overnight. TIH and tagged surface plug top at 376'. R/U wire line services. RIH and perforated squeeze holes at 364'. R/U cementing services. Successfully established circulation down through perforations at 364' and back around and out Bradenhead valve at surface. Successfully circulated cement down through perforations at 364' and back around and out Bradenhead valve at surface. N/D BOP and cut-off wellhead. Ran weighted tally tape down both casings and tagged cement 1' down in surface casing and 7' down in 5.5" production casing. Installed P&A marker per

NMOCD/BLM standards. Topped-off well with 43 sx of cement.
Photographed the P&A marker in place and recorded its location via
GPS coordinates. R/D and MOL.



Wellbore Diagram

Jack Bingham
API #: 3004527493
San Juan County, New Mexico

- Plug 5**
376 feet - Surface
376 feet plug
186 sacks of Class G Cement
43 sacks for top off
- 840 feet - 376 feet
464 feet plug
98 sacks of Class G Cement
74 sacks squeezed
- Plug 4**
1500 feet - 1052 feet
448 feet plug
55 sacks of Class G Cement
- Plug 3**
2597 feet - 1783 feet
814 feet plug
233 sacks of Class G Cement
116 sacks squeezed
29 sacks for top off
- Plug 2**
3786 feet - 3365 feet
421 feet plug
49 sacks of Class G Cement
- Plug 1**
4644 feet - 4459 feet
185 feet plug
24 sacks of Class G Cement

Surface Casing
8.625" 24# @ 314 ft

Formation
Pictured Cliffs - 1133 ft
Cliff House - 1892 ft
Menefee - 2547 ft
Point Lookout - 3564 ft
Mancos - 3776 ft
Gallup - 4618 ft

Production Casing
5.5" 15.5# @ 4925 ft

