

Plug and Abandonment End of Well Report

for

DJR Operating, LLC

Central Bisti Unit 85

API # 30-045-25795

SE/NE, Unit H, Sec. 7, T25N, R12W

San Juan County, NM

4-22 & 23-2020:

MIRU prep rig. Pull rods and tubing.

5-15-2020:

BLM and NMOCD notified of P&A operations to begin 5-18-2020.

5-18, 19, 20, & 21-2020:

MIRU rig and cement equipment. SICP = 7 psi, BH = 5 psi. Run bit and scraper to 4801'. TOO, TIH with 5 1/2" cement retainer, set at 4801'. Load with 14 bbl and roll the hole. Attempt to test casing, leaking at WH. PU packer and test casing with packer. Pressure drops from 800 psi to 720 psi in 5 minutes, no test.

PLUG 1: GALLUP. Mix and pump 25 sx Class G cement through cement retainer to Gallup perfs.

PLUG 2: GALLUP. Mix and pump balanced plug with 20 sx Class G cement from 4801', pull 12 stands, WOC 3 hr. Tagged Plug 2 at 4600'.

PLUG 3: MANCOS. Pull up to 3876'. Load hole with 1 1/2 bbl, roll the hole. Tested the casing, leak off as before, no test. Mix and pump balanced plug with 21 sx Class G cement + 2% CaCl₂ from 3876', pull 12 stands, WOC 3 hr. Tagged Plug 3 at 3708'.

PLUG 4: MESAVERDE. Pull up to 2210'. Load hole with 1 1/2 bbl, roll the hole. Tested the casing, leak off as before, no test. Mix and pump balanced plug from 2306' with 54 sx Class G cement. Pull 12 stands, WOC overnight. Tagged Plug 4 at 1870'.

PLUG 5; CHACRA. Pull up to 1570'. Load hole with 2 bbl, roll the hole. Tested the casing to 800 psi, good test. Mix and pump balanced plug from 1570' with 18 sx Class G cement.

PLUG 6: PICTURED CLIFFS. Spot balanced plug from 1216' with 180 sx Class G cement. TOOH.

MIRU logging truck. RIH with CBL log. Tag plug 6 at 1095'. Run CBL from 1095 to surface. TOC is at 930'. Notify NMOC and BLM of plans to perforate at 880'. All approved of plans. Perforate 3 holes at 880'. Establish circulation out BH. TIH and set cement retainer at 830'.

PLUG 7; FRUITLAND, (outside casing). Pump 116 sx class G cement through cement retainer at 830', through perfs at 880' and into 5 1/2" x 8 5/8" annulus. Leave some cement on top of cement retainer. TOOH, SD overnight.

SICP = 0, BH = 0. MIRU logging truck, tag top of plug 7 at 802'. Run CBL from 802' to surface. TOC is at 630'.

Perforate 3 holes at 615'.

PLUG 8: FRUITLAND, (inside casing). TIH with workstring. Pump balanced plug of 20 sx class G cement from 802' to 615'. TOOH.

PLUG 9: FRUITLAND / KIRTLAND: MIX and pump 185 sx Class G cement down casing, circulating back to surface. Good circulation, annulus bridged off just short of achieving cement returns at surface. TOC in 5 1/2" x 8 5/8" annulus found at 67' with plumb bob and tape. 5 1/2" casing TOC at surface.

Weld P&A marker in place. Release rig.

PLUG 10: Top off plug. Mix and pump 38 sx class G cement with 1" poly pipe into annulus. SD overnight. Checked for fallback. NO cement fallback. P&A complete.

Note: All cement was Class G cement mixed at 15.8 ppg, yield 1.15 cu ft / sx.

Dustin Porph was BLM inspector on location.

As P&A'd WBD, marker photo, and GPS coordinates are attached.

As plugged Wellbore Diagram
DJR Operating, LLC
Central Bisti Unit 85
 API # 30-045-25795
 SE/NE, Unit H, Sec 7, T25N, R12W
 San Juan County, NM

GL 6265'
 KB 6278'
 Spud Date 9/10/1983

Note: NMOCD and BLM formation top picks differd, for the Fruitland and Mesaverde. Plug depths were re-calculated to accomidate both top picks.

SURF CSG

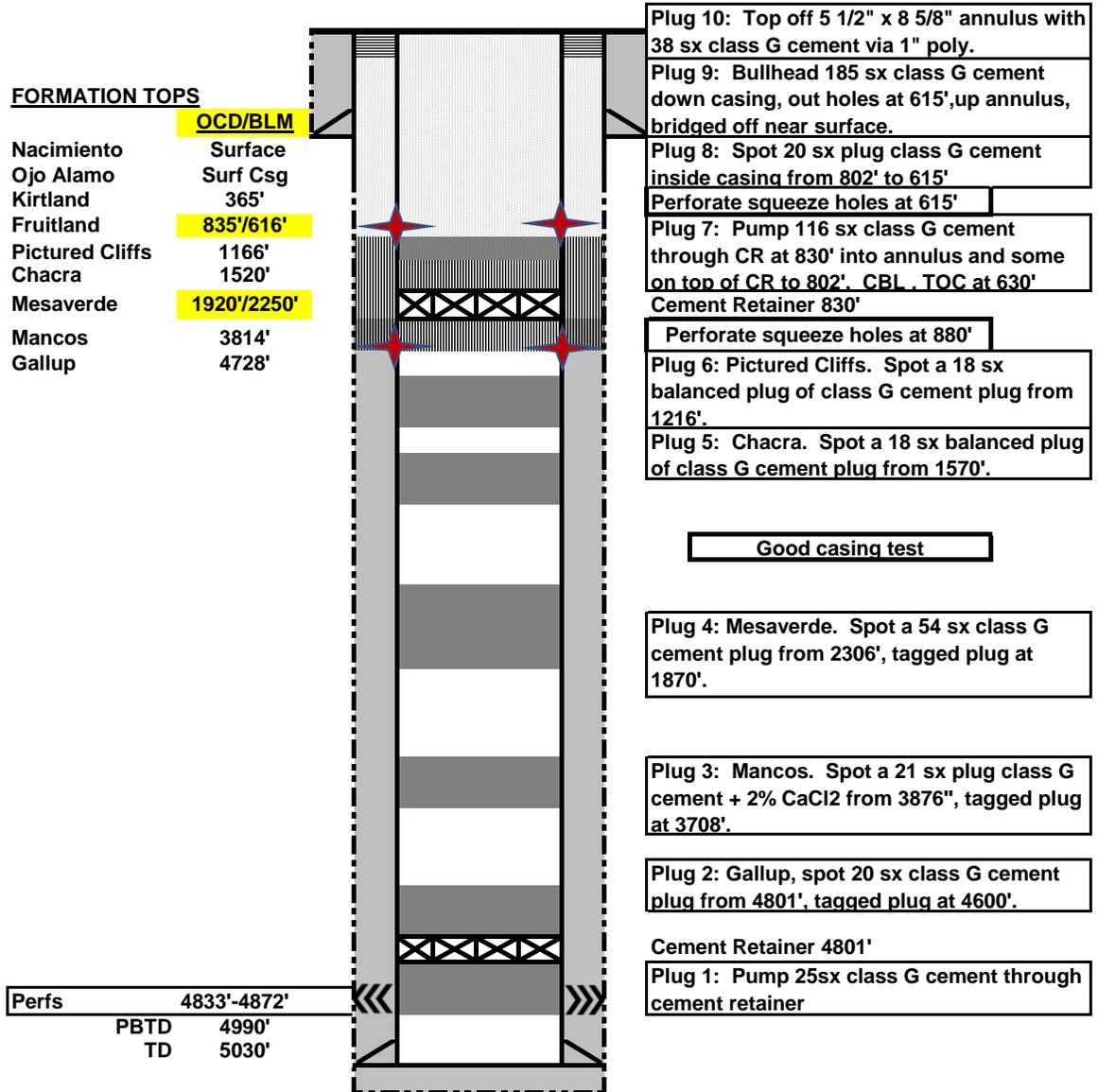
Hole size 12.25"
 Csg Size: 8.625"
 Wt: 24#
 Grade: J-55
 ID: 8.097"
 Depth 216
 Csg cap ft³: 0.3576
 Csg/OH ft³: 0.4127
 TOC: Surf

FORMATION TOPS

	OCD/BLM
Nacimiento	Surface
Ojo Alamo	Surf Csg
Kirtland	365'
Fruitland	835'/616'
Pictured Cliffs	1166'
Chacra	1520'
Mesaverde	1920'/2250'
Mancos	3814'
Gallup	4728'

PROD CSG

Hole size 7.875"
 Csg Size: 5.5"
 Wt: 15.5#
 Grade: J-55
 ID: 4.95"
 Depth 5030'
 Csg cap ft³: 0.1336
 Csg/Csg ft³: 0.1926
 Csg/OH ft³: 0.1733
 TOC: Circ surf



- Plug 10: Top off 5 1/2" x 8 5/8" annulus with 38 sx class G cement via 1" poly.
- Plug 9: Bullhead 185 sx class G cement down casing, out holes at 615', up annulus, bridged off near surface.
- Plug 8: Spot 20 sx plug class G cement inside casing from 802' to 615'
- Perforate squeeze holes at 615'
- Plug 7: Pump 116 sx class G cement through CR at 830' into annulus and some on top of CR to 802'. CBL . TOC at 630' Cement Retainer 830'
- Perforate squeeze holes at 880'
- Plug 6: Pictured Cliffs. Spot a 18 sx balanced plug of class G cement plug from 1216'.
- Plug 5: Chacra. Spot a 18 sx balanced plug of class G cement plug from 1570'.
- Good casing test
- Plug 4: Mesaverde. Spot a 54 sx class G cement plug from 2306', tagged plug at 1870'.
- Plug 3: Mancos. Spot a 21 sx plug class G cement + 2% CaCl2 from 3876", tagged plug at 3708'.
- Plug 2: Gallup, spot 20 sx class G cement plug from 4801', tagged plug at 4600'.
- Cement Retainer 4801'
- Plug 1: Pump 25sx class G cement through cement retainer

Perfs	4833'-4872'
PBTD	4990'
TD	5030'

DJR Operating, LLC
Central Bisti Unit 85
30-045-25795
SENE H-07-25N-12W
San Juan County, NM

