

Well Name: MUDDY MUDDA	Well Location: T24N / R9W / SEC 21 / NWNW / 36.304535 / -107.799423	County or Parish/State: SAN JUAN / NM
Well Number: 1	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM36474	Unit or CA Name:	Unit or CA Number:
US Well Number: 300452591900C1	Operator: DUGAN PRODUCTION CORPORATION	

Subsequent Report

Sundry ID: 2796221

Type of Submission: Subsequent Report

Type of Action: Plug and Abandonment

Date Sundry Submitted: 06/19/2024

Time Sundry Submitted: 03:30

Date Operation Actually Began: 05/06/2024

Actual Procedure: Dugan Production Corp. P&A'd the well on 5/6/24 - 5/14/24 per the attached procedure.

SR Attachments

Actual Procedure

Muddy_Mudda_1_PA_BLM_OCD_apvd_revised_procedure_20240619152716.pdf

Muddy_Mudda_1_Post_PA_formation_tops_20240619152653.pdf

Muddy_Mudda_1_Post_PA_completed_wellbore_schematic_20240619152636.pdf

Muddy_Mudda_1_Post_PA_work_20240619152619.pdf

Well Name: MUDDY MUDDA

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County or Parish/State: SAN JUAN / NM

Well Number: 1

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Operator: DUGAN PRODUCTION CORPORATION

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: TYRA FEIL

Signed on: JUN 19, 2024 03:25 PM

Name: DUGAN PRODUCTION CORPORATION

Title: Authorized Representative

Street Address: PO Box 420

City: Farmington

State: NM

Phone: (505) 325-1821

Email address: tyrafeil@duganproduction.com

Field

Representative Name: Aliph Reena

Street Address: PO Box 420

City: Farmington

State: NM

Zip: 87499-0420

Phone: (505)360-9192

Email address: Aliph.Reena@duganproduction.com

BLM Point of Contact

BLM POC Name: MATTHEW H KADE

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5055647736

BLM POC Email Address: MKADE@BLM.GOV

Disposition: Accepted

Disposition Date: 06/20/2024

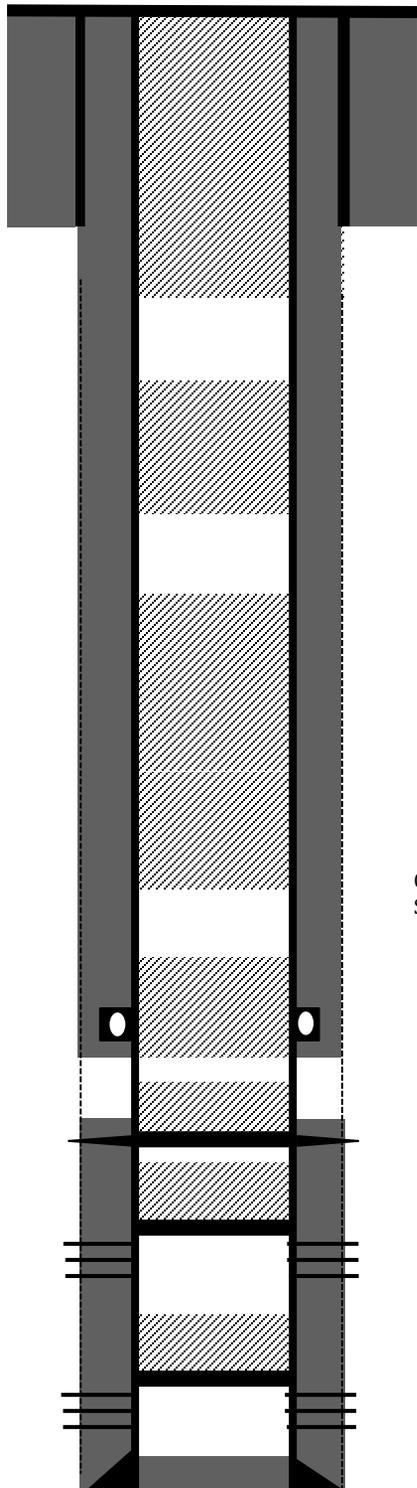
Signature: Matthew Kade

Dugan Production P&A'd the well on 05/06/24 – 05/14/24 per the following procedure:

- MI&RU Aztec 481 and cement equipment. Spot equipment, NU BOP.
- Check pressures, Tubing 0 psi, Casing 0 psi, BH 0 psi.
- PU & tally 2-3/8" workstring. TIH w/4½" string mill for casing scraper. Run string mill to 6330'.
- Check pressures, Tubing 0 psi, Casing 0 psi, BH 0 psi.
- RIH & set CIBP @ 6334'. **Dakota perforations 6384'-6407'.**
- Spot Plug I inside 4½" casing from 6334' w/20 sks, 23 cu ft Class G neat cement to cover till Graneros top for Dakota plug. Displaced w/23.5 bbls. WOC 4 hrs. Tagged TOC @ 6083'. Good tag. **Plug I, inside 4½", 20 sks, 23 cu ft, Dakota, 6083'-6334'.**
- Check pressures, Tubing 0 psi, Casing 0 psi, BH 0 psi.
- RIH & set 4½" CIBP @ 5015'. **Gallup perforations @ 5065'-5477'.**
- Load and circulate hole. Attempt to pressure test casing to 650 for 30 minutes. Casing won't test. Small leak. Lost 100 psi in 3 minutes.
- Run CBL from 5015' to surface. Sent copies and revised procedure to NMOCD/BLM. Copy of communications attached.
- Spot Plug II inside 4½" casing from 5015' w/18 sks (20.7 cu ft) Class G cement to cover the Gallup perforations. Displaced w/18.5 bbls water. RO from 4798' Circulated 0.5 bbls cement to surface. WOC overnight. Tagged TOC @ 4797'. Good tag. **Plug II, inside 4½" casing, 18 sks, 20.7 cu ft, Gallup perforations, 4797'-5015'.**
- Check pressures, Tubing 0 psi, Casing 0 psi, BH 0 psi.
- RU wireline and shot squeeze holes at 4795'. RIH and set 4½" CR @ 4755'. Sting in and attempt to establish rate behind casing. Cannot get a rate. Locked up to 1000 psi. Sting out. Spot Plug III inside 4½" casing from 4755' w/18 sks (20.7 cu ft) Class G cement to cover the Gallup top. Displaced w/17.5 bbls water. WOC 4 hrs. Tagged TOC @ 4510'. Good tag. **Plug III, inside 4½" casing, perforations at 4795', cement retainer at 4755', 18 sks, 20.7 cu ft, Gallup top, 4510'-4755'.**
- Spot Plug VI inside 4½" casing from 4497' w/26 sks, 29.9 cu ft, Class G neat cement to cover the DV tool and Mancos top. Displaced w/16 bbls water. WOC overnight. Tagged TOC at 4235'. Good tag. **Plug IV, inside 4½" casing, 26 sks, 29.9 cu ft, Mancos-DV tool, 4235'-4497'.**
- Check pressures, Tubing 0 psi, Casing 0 psi, BH 0 psi.
- Spot Plug V inside 4½" casing from 2568' w/51 sks, 58.7 cu ft Class G neat cement to over the Mesaverde & Chacra tops. Displaced w/7.4 bbls water. WOC 4 hrs. Tagged TOC @ 2070'. Tagged lower than expected. **Plug V, inside 4½" casing, 51 sks, 58.7 cu ft, Mesaverde-Chacra, 2070'-2568'.**
- Attempt to pressure test casing to 650 psi for 30 minutes. **Casing tested good.**
- Spot Plug VI inside 4½" casing from 2070' to 1579' w/38 sks, 43.7 cu ft Class G neat cement to top off from 2070' to cover the Chacra top & the Pictured Cliffs top. Displaced w/6 bbls water. **Plug VI, inside 4½" casing, 38 sks, 43.7 cu ft, Chacra-Pictured Cliffs, 1597'-2070'.**
- Spot Plug VII inside 4½" casing from 1322' to 858' w/36 sks, 41.4 cu ft Class G cement to cover the Fruitland-Kirtland-Ojo Alamo tops. Displaced w/3.3 bbls water. **Plug VII, inside 4½", 36 sks, 41.4 cu ft, Ojo Alamo-Kirtland-Fruitland, 858'-1322'.**
- Spot Plug VIII inside 4½" casing from 266' to surface w/26 sks, 29.9 cu ft, Class G neat cement to cover the surface casing shoe. Circulated 1 bbl cement to surface pit. WOC overnight. Tagged TOC at surface inside casing and inside annulus. Good tag. **Plug VIII, inside 4½" casing, 26 sks, 29.9 cu ft, Surface, 0'-266'.**
- Install dry hole marker & fill up cellar w/15 sks, 17.3 cu ft Class G neat cement. Dustin Porch w/BLM witnessed job. Rig down Aztec 481. Clean location. **Well P&A'd 05/14/24.**

Completed P&A Schematic

Muddy Mudda #1
API: 30-045-25919
Unit D Sec 21 T24N R09W
790' FNL & 1040' FWL
San Juan County, NM
Lat: 36.304906, Long: -107.799979



8-5/8" J-55 24# casing @ 206'. Cemented with 135 sks Class B.
Circulated 1 bbl cement to surface. **Hole size 12-1/4"**

Plug VIII, Inside 4 1/2" casing, 26 sks, 29.9 Cu.ft, Surface, 0'-266'

Plug VII, Inside 4 1/2", 36 sks, 41.4 Cu.ft, Ojo Alamo-Kirtland-Fruitland, 858'-1322'

Plug VI, Inside 4 1/2" casing, 38 sks, 43.7 Cu.ft, Chacra-Pictured Cliffs, 1597'-2070'

Plug V, Inside 4 1/2" casing, 51 sks, 58.7 Cu.ft, Mesaverde-Chacra, 2070'-2568'

Cemented Stage I w/ 385 sks 50-50 poz w/ 100 sks Class B, 610 cu.ft. DV tool @ 4443'.
Stage II w/ 525 sks 65/35/12 & 50 sks 50-50 Poz, 1224 Cu.ft. Total volume: 1834 Cu.ft.

Plug IV, Inside 4 1/2" casing, 26 sks, 29.9 Cu.ft, Mancos-DV tool, 4235'-4497'

Plug III, Inside 4 1/2" casing, Perforations at 4795', Cement retainer at 4755', 18 sks, 20.7 Cu.ft, Gallup top, 4510'-4755'

Set 4 1/2" CIBP @ 5015'. Plug II, Inside 4 1/2" casing, 18 sks, 20.7 Cu.ft, Gallup perforations, 4797'-5015'

Gallup perforations @ 5065'-5477'

Set 4 1/2" CIBP @ 6334'. Plug I, Inside 4 1/2", 20 sks, 23 Cu.ft, Dakota, 6083'-6334'

4 1/2" 10.5 # casing @ 6507'
Dakota Perforated @ 6384'-6407'

Muddy Mudda #1
API: 30-045-25919
Unit D Sec 21 T24N R09W
790' FNL & 1040' FWL
San Juan County, NM
Lat: 36.304906, Long: -107.799979

Elevation ASL : 6898'

Formation Tops

- **Surface Casing: 206'**
- **Ojo Alamo - 965'**
- **Kirtland - 1097'**
- **Fruitland - 1272'**
- **Pictured Cliffs - 1697'**
- **Lewis - 1847'**
- **Chacra - 2100'**
- **Mesaverde - 2518'**
- **Mancos - 4355'**
- **DV tool - 4443'**
- **Gallup - 4743'**
- **Graneros - 6185'**
- **Dakota - 6277'**

Tyra Feil

From: Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>
Sent: Friday, May 10, 2024 8:43 AM
To: Rennick, Kenneth G; Aliph Reena; Kade, Matthew H; Porch, Dustin T
Cc: Tyra Feil; Alex Prieto-Robles
Subject: RE: [EXTERNAL] Dugan Production Corp. - CBL & Revised Procedure : Muddy Mudda # 1

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NMOCD approves below

Thank you

Monica Kuehling
Compliance Officer Supervisor
Deputy Oil and Gas Inspector
New Mexico Oil Conservation Division
North District
Office Phone: 505-334-6178 ext. 123
Cell Phone: 505-320-0243
Email - monica.kuehling@emnrd.nm.gov

From: Rennick, Kenneth G <krennick@blm.gov>
Sent: Thursday, May 9, 2024 5:06 PM
To: Aliph Reena <Aliph.Reena@duganproduction.com>; Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>; Kade, Matthew H <mkade@blm.gov>; Porch, Dustin T <dporch@blm.gov>
Cc: Tyra Feil <Tyra.Feil@duganproduction.com>; Alex Prieto-Robles <arobles@aztecwell.com>
Subject: Re: [EXTERNAL] Dugan Production Corp. - CBL & Revised Procedure : Muddy Mudda # 1

The BLM finds the procedure appropriate.

Kenneth (Kenny) Rennick

Petroleum Engineer

Bureau of Land Management
Farmington Field Office
6251 College Blvd
Farmington, NM 87402

Email: krennick@blm.gov
Mobile & Text: 505.497.0019

From: Aliph Reena <Aliph.Reena@duganproduction.com>
Sent: Thursday, May 9, 2024 4:55 PM
To: Kuehling, Monica, EMNRD <monica.kuehling@emnrn.nm.gov>; Rennick, Kenneth G <krennick@blm.gov>; Kade, Matthew H <mkade@blm.gov>; Porch, Dustin T <dporch@blm.gov>
Cc: Tyra Feil <Tyra.Feil@duganproduction.com>; Alex Prieto-Robles <arobles@aztecwell.com>
Subject: [EXTERNAL] Dugan Production Corp. - CBL & Revised Procedure : Muddy Mudda # 1

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**RE: Dugan Production Corp.
Muddy Mudda # 1
API: 30-045-25919**

Please see the attached CBL from Muddy Mudda # 1, API: 30-045-25919. From the CBL, the TOC appear to be around 4870' on Stage I, and at surface from Stage II. CBL shows some cement and bonding behind casing for Stage II, from top of CD tool to all the way to surface , and we do not propose perforating and attempting to do inside outside plugs due to the evident cement behind casing. Based on the CBL, we request the following changes to the original approved NOI.

1. **Plug II:** Will Split Plug II into two. Will do **Gallup Perforations Plug II, inside 4 ½” casing from 5015' to 4865'.**
2. **Plug III:** Perforate @ 4800' and **do Inside/Outside plug for Gallup Formation top as Plug III from 4793' to 4643'.**
3. All other plugs will be done as inside plug as originally requested for in the NOI.

Please let us know if the revisions are acceptable to NMOCD/BLM and we will proceed accordingly.

Regards,
Aliph

Aliph Reena
Engineering Supervisor
Dugan Production Corp.
Cell: 505-360-9192

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II
 811 S. First St., Artesia, NM 88210
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District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 356267

CONDITIONS

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 356267
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	well plugged 5/14/24	6/21/2024