

U.S. Department of the Interior  
BUREAU OF LAND MANAGEMENT

**Well Name:** SHERMAN EDWARD

**Well Location:** T29N / R5W / SEC 3 /  
SWSW / 36.74925 / -107.35109

**County or Parish/State:** RIO  
ARRIBA / NM

**Well Number:** 2

**Type of Well:** CONVENTIONAL GAS  
WELL

**Allottee or Tribe Name:**

**Lease Number:** NMNM23048

**Unit or CA Name:**

**Unit or CA Number:**

**US Well Number:** 300392124600C1

**Operator:** DUGAN PRODUCTION  
CORPORATION

### Subsequent Report

**Sundry ID:** 2826590

**Type of Submission:** Subsequent Report

**Type of Action:** Plug and Abandonment

**Date Sundry Submitted:** 12/09/2024

**Time Sundry Submitted:** 04:52

**Date Operation Actually Began:** 10/28/2024

**Actual Procedure:** Dugan Production P&A'd the well on 10/28/2024 - 11/08/2024 per the attached procedure.

### SR Attachments

#### Actual Procedure

Sherman\_Edward\_2\_BLM\_apvd\_plug\_change\_20241209165107.pdf

Sherman\_Edward\_2\_PA\_verbal\_apvl\_perf\_Nacimiento\_and\_surface\_plugs\_without\_CBL\_20241209164614.pdf

Sherman\_Edward\_2\_SR\_PA\_formation\_tops\_20241209164520.pdf

Sherman\_Edward\_2\_SR\_PA\_completed\_wellbore\_schematic\_20241209164514.pdf

Sherman\_Edward\_2\_SR\_PA\_work\_20241209164504.pdf

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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: DEC 09, 2024 04:51 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: 12/10/2024

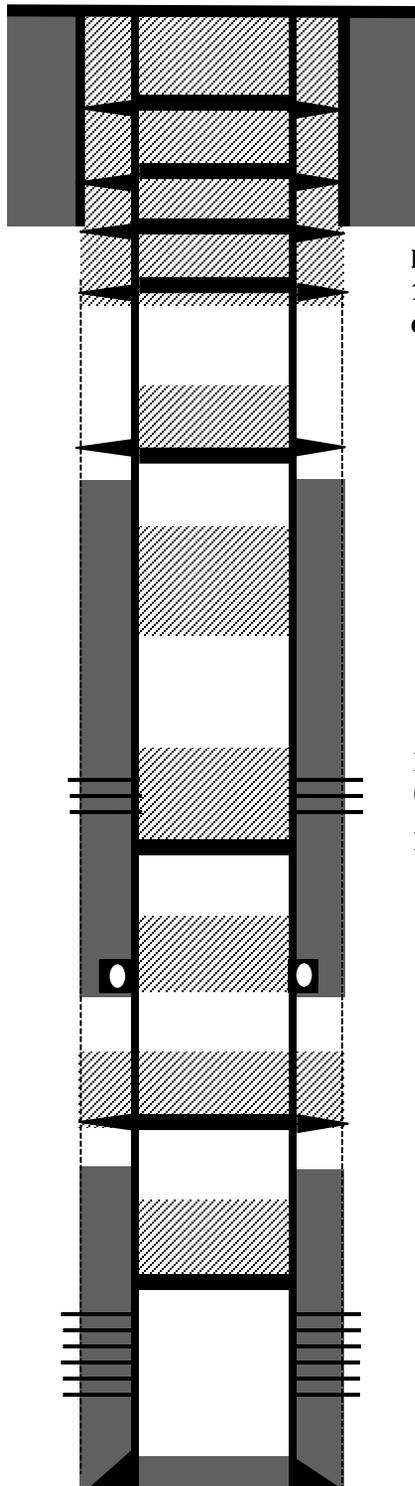
Signature: Matthew Kade

Dugan Production P&A'd the well on 10/28/2024-11/08/2024 per following procedure:

- MI&RU Aztec Rig 481 and cement equipment. Spot equipment.
- *Check pressures, Tubing 0 psi, Casing 8 psi, BH 0 psi.*
- LD rods. ND WH NU BOP & RU Work floor. Start LD 2-3/8" production tubing.
- PU & tally 2-3/8" workstring. Run 5½" string mill for casing scraper to 5602'. **RIH & set 5½" CIBP @ 5535'**. Mesaverde perforations @ 5585'-6032'.
- Attempted to fill up the casing and circulate 5½" casing. Cannot keep the hole full past 1150'. Run CBL from 5535' to 1150'. Sent copy and revised procedure to NMOCD/BLM. Copy of communications attached.
- *Check pressures, Tubing 0 psi, Casing 20 psi, BH 0 psi.*
- Spot Plug I inside 5½" casing from 5535' w/24 sks, 27.6 cu ft Class G cement to cover the Mesaverde perforations & Mesaverde top. Displaced w/17.6 bbls water. WOC overnight. Tagged TOC at 5367'. Good tag. **Plug I, inside 5½" casing, 24 sks, 27.6 cu ft, Mesaverde top & perforations, 5367'-5535'**.
- *Check pressures, Tubing 0 psi, Casing 20 psi, BH 0 psi.*
- RU WL and shoot squeeze holes at 4485'. RIH and set 5½" CR at 4443'. Sting in and established rate through the squeeze holes. Swap to cement. Sting in and squeeze Plug II inside/outside 5½" casing from 4485' w/54 sks, 62.1 cu ft Class G cement to cover the Chacra top. 30 sks – 34.5 cu ft outside 5½" casing, 5 sks 5.6 cu ft below the CR, 19 sks-21.9 cu ft above the CR inside 5½" casing. Displaced w/13.2 bbls. WOC overnight. Tagged TOC at 4310'. Good tag. **Plug II, inside/outside 5½" casing, perforations at 4485', Cement retainer 4443', 54 sks, 62.1 cu ft, Chacra, 4310'-4485'**.
- *Check pressures, Tubing 0 psi, Casing 0 psi, BH 0 psi.*
- Spot Plug III inside 5½" casing from 3915' w/24 sks, 27.6 cu ft Class G cement to cover the DV top. Displaced w/11.3 bbls. WOC 4 hrs. Tagged TOC at 3765'. Good tag. **Plug III, inside 5½" casing, 24 sks, 27.6 cu ft, DV tool, 3765'-3915'**.
- Set 5½" CR at 3467'. Sting in and attempt to get rates through PC perforations at 3528'-3720'. Cannot get a rate through. Sting out. Notify NMOCD/BLM. Permission obtained to do inside plug due to no rates through perforations. Spot 48 sks, 55.2 cu ft Class G neat cement from 3467' to cover the Pictured Cliffs and Fruitland tops. Displaced w/8.8 bbls. WOC overnight. Tagged TOC 3110'. Good tag. **Plug IV, inside 5½" casing, cement retainer at 3467', 48 sks, 55.2 cu ft, Fruitland-Pictured Cliffs, 3110'-3467'**.
- *Check pressures, Tubing 0 psi, Casing 0 psi, BH 0 psi.*
- Cannot load casing past 1150'.
- Spot Plug V inside 5½" casing from 3058' w/46 sks (52.9 cu ft) Class G cement to cover the Kirtland-Ojo Alamo tops. Displaced w/7.3 bbls. WOC 4 hrs. Tagged TOC at 2709'. Good tag. **Plug V, inside 5½" casing, 46 sks, 52.9 cu ft, Ojo Alamo-Kirtland, 2709'-3058'**.

- RIH and perforate at 880'. RIH & set cement retainer at 833'. Sting in and attempt to establish rate through squeeze holes. Cannot get rate through perforations. Notify NMOCD/BLM. Spot Plug VI inside 5½" casing from 833' w/18 sks, 20.7 cu ft Class G neat cement to cover the Nacimiento top. Displaced w/0.75 bbls water. WOC 4 hrs. Tagged 700'. Good tag. **Plug VI, inside 5½" casing, perforations at 880', Cement retainer at 833', 18 sks, 20.7 cu ft, Nacimiento, 700'-833'.**
- RIH and set CIBP at 360'. Load and test hole. Pressure test casing to 650 psi for 30 minutes. Casing tested good.
- *Check pressures, Tubing 0 psi, Casing 0 psi, BH 0 psi.*
- Shoot squeeze holes at 343'. Attempt to break circulation to surface with 30 bbls water. Cannot get a rate through the BH. RIH and set 5½" CR at 328'. Spot plug inside/outside 5½" casing from 343' w/24 sks, 27.6 cu ft (18 sks-20.7 cu ft outside 5½" casing, 2 sks-2.3 cu ft below retainer, 4 sks-4.6 cu ft above the CR). Balance w/ 0.5 bbls. WOC 4 hrs. Tagged TOC at 305'. Shoot squeeze holes at 293'. Attempt to break circulation to surface with 30 bbls water. Cannot get a rate through the BH. RIH and set 5½" CR at 275'. Spot plug inside/outside 5½" casing from 293' w/56 sks, 64.4 cu ft (48 sks-55.2 cu ft outside 5½" casing, 2 sks-2.3 cu ft below retainer, 6 sks-6.9 cu ft above the CR). WOC overnight. Tagged TOC at 220'. Good tag. Shoot squeeze holes at 215'. Attempt to get circulation to surface through BH. Broke circulation to surface through BH. Swap to cement. Pump 128 sks 147.2 cu ft Class G neat cement through squeeze holes. Lost circulation through BH. Well went on vacuum. TIH and set cement retainer at 200'. Spot Plug w/12 sks Class G neat cement (6 sks-6.9 below the CR, 6 sks-6.9 cu ft above the CR). WOC 4 hrs. Tagged TOC at 142'. Shot squeeze holes at 138'. Break circulation to surface through BH. Swapped to cement. Pumped 61 sks Class G neat cement to circulate through squeeze holes to surface through BH. No displacement. WOC overnight. Cut wellhead off. Tagged TOC at 4.5' inside 5½" casing and 7.5' inside annulus. Good tag. **Plug VII, inside/outside 5½" casing, perforations at 343', 293', 215', 138', Cement retainers at 328', 275', 200', 281 sks, 323 cu ft, Surface casing shoe, 0-343'.**
- Fill up cellar and install dry hole marker w/25 sks, 28.8 cu ft Class G neat cement.
- Clean location. RD Aztec 481. Monty Gomez w/BLM witnessed job.
- **Well P&A'd 11/08/2024.**

Sherman Edward #2  
API: 30-039-21246  
Unit M Sec 3 T29N R05W  
730' FSL & 580' FWL  
Rio Arriba, NM  
Lat:36.7493057 Long:-107.3518372



8-5/8" J-55 24# casing @ 293'. Cemented with 175 sks Cement.  
Circulated to surface

**Plug VII, Inside/outside 5 1/2" casing, Perforations at 343', 293', 215', 138', Cement retainers at 328', 275', 200', 281 sks, 323 Cu.ft, Surface casing shoe, 0-343'.**

**Plug VI, Inside 5 1/2" casing, Perforations at 880', Cement retainer at 833', 18 sks, 20.7 Cu.ft, Nacimiento, 700'-833'**

**Plug V, Inside 5 1/2" casing, 46 sks, 52.9 Cu.ft, Ojo Alamo-Kirtland, 2709'-3058**

**Plug IV, Inside 5 1/2" casing, cement retainer at 3467', 48 sks, 55.2 Cu.ft, Fruitland-Pictured Cliffs, 3110'-3467'**

**Pictured Cliffs perforations are at 3528'-3720'**

**Plug III, Inside 5 1/2" casing, 24 sks, 27.6 Cu.ft, DV tool, 3765'-3915'**

Cemented Stage I w/ 225 sks, 414 Cu.ft, Haliburton Lite. DV tool @ 3864'. Stage II w/ 375 sks Lite, 904. Will run CBL to determine TOC behind casing & DV tool depth.

**Plug II, Inside/Outside 5 1/2" casing, Perforations at 4485', Cement retainer 4443', 54 sks, 62.1 Cu.ft, Chacra, 4310'-4485'**

**CIBP @ 5535'. Plug I, Inside 5 1/2" casing, 24 sks, 27.6 Cu.ft, Mesaverde top & perforations, 5367'-5535'**

**Mesaverde Perforations @ 5585'-6032'**

**5 1/2" 17#, 15.5 # casing @ 6111', Hole size 7-7/8"**

**Sherman Edward #2**

API: 30-039-21246

Unit M Sec 3 T29N R05W

730' FSL & 580' FWL

Rio Arriba, NM

Lat:36.7493057 Long:-107.3518372

**Elevation ASL : 6752'**

**Formation Tops ( Referenced for P & A)**

- **Surface Casing - 293'**
- **Nacimiento - 830'**
- **Ojo Alamo - 2820'**
- **Kirtland - 3008'**
- **Fruitland - 3210'**
- **Pictured Cliffs - 3520'**
- **Pictured Cliffs perforations - 3528'-3720'**
- **DV tool - 3865'**
- **Chacra - 4439'**
- **Mesaverde - 5578'**
- **Mesaverde Perforations - 5585'-6032'**

**Tyra Feil**

---

**From:** Gomez, Monty J <mgomez@blm.gov>  
**Sent:** Thursday, October 31, 2024 2:44 PM  
**To:** Aliph Reena; Kuehling, Monica, EMNRD; john.durham@emnrd.nm.gov; Nathaniel Lambson; Tyra Feil; Kade, Matthew H; Lucero, Virgil S; Rennick, Kenneth G; Porch, Dustin T; Alex Prieto-Robles  
**Subject:** Re: [EXTERNAL] RE: dugan\_sherman\_edward\_2\_cbl.pdf

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BLM approves

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**From:** Aliph Reena <Aliph.Reena@duganproduction.com>  
**Sent:** Thursday, October 31, 2024 2:38:30 PM  
**To:** Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>; john.durham@emnrd.nm.gov <john.durham@emnrd.nm.gov>; Nathaniel Lambson <nlambson@aztecwell.com>; Tyra Feil <Tyra.Feil@duganproduction.com>; Gomez, Monty J <mgomez@blm.gov>; Kade, Matthew H <mkade@blm.gov>; Lucero, Virgil S <vlucero@blm.gov>; Rennick, Kenneth G <krennick@blm.gov>; Porch, Dustin T <dporch@blm.gov>; Alex Prieto-Robles <arobles@aztecwell.com>  
**Subject:** [EXTERNAL] RE: dugan\_sherman\_edward\_2\_cbl.pdf

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**RE: Dugan Production Corp**  
**API: 30-039-21246**  
**Sherman Edward # 2**

Based on the CBL ran from 5530' to 1150' we request the following change.

1. Plug II: Chacra Will change plug to Inside/Outside plug from Inside. Will perforate at 4489'. Set CR at 4439' & squeeze cement inside/outside.

All other plugs will be inside as proposed in the original approved NOI.

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

---

**From:** Alex Prieto-Robles <arobles@aztecwell.com>

**Sent:** Wednesday, October 30, 2024 1:25 PM

**To:** Aliph Reena <Aliph.Reena@duganproduction.com>

**Cc:** Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>; john.durham@emnrd.nm.gov; Nathaniel Lambson <nlambson@aztecwell.com>; Tyra Feil <Tyra.Feil@duganproduction.com>; mgomez@blm.gov; Kade, Matthew H <mkade@blm.gov>; Vlucero@blm.gov; Rennick, Kenneth G <krennick@blm.gov>; Dustin Porch <dporch@blm.gov>

**Subject:** dugan\_sherman\_edward\_2\_cbl.pdf

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**Tyra Feil**

---

**From:** Rennick, Kenneth G <krennick@blm.gov>  
**Sent:** Monday, November 4, 2024 2:03 PM  
**To:** Aliph Reena; Kuehling, Monica, EMNRD; john.durham@emnrd.nm.gov; Nathaniel Lambson; Tyra Feil; Gomez, Monty J; Kade, Matthew H; Lucero, Virgil S; Porch, Dustin T; Alex Prieto-Robles  
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BLM finds the proposal appropriate.

Kenneth (Kenny) Rennick

Petroleum Engineer

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

Email: [krennick@blm.gov](mailto:krennick@blm.gov)  
Mobile & Text: 505.497.0019

---

**From:** Aliph Reena <Aliph.Reena@duganproduction.com>  
**Sent:** Monday, November 4, 2024 1:45 PM  
**To:** Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>; john.durham@emnrd.nm.gov <john.durham@emnrd.nm.gov>; Nathaniel Lambson <nlambson@aztecwell.com>; Tyra Feil <Tyra.Feil@duganproduction.com>; Gomez, Monty J <mgomez@blm.gov>; Kade, Matthew H <mkade@blm.gov>; Lucero, Virgil S <vlucero@blm.gov>; Rennick, Kenneth G <krennick@blm.gov>; Porch, Dustin T <dporch@blm.gov>; Alex Prieto-Robles <arobles@aztecwell.com>  
**Subject:** [EXTERNAL] RE: dugan\_sherman\_edward\_2\_cbl.pdf

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**RE: Dugan Production Corp**  
**API: 30-039-21246**  
**Sherman Edward # 2**

Requested BLM/NMOCD a verbal permission to perforate Nacimiento and Surface plugs on this well without running the CBL. A verbal was received.

1. **Plug VI: Nacimiento Plug** – Perforate at 880. Set 5 ½” CR at 830’. Do Inside/Outside plug to cover Nacimiento top.

2. **Plug VII: Surface Plug** – Perforate at 343'. Attempt to break circulation to surface through BH. Do inside/Outside plug to cover surface casing shoe to surface.

Regards,  
Aliph Reena

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

---

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**Sent:** Thursday, October 31, 2024 2:39 PM  
**To:** Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>; john.durham@emnrd.nm.gov; Nathaniel Lambson <nlambson@aztecwell.com>; Tyra Feil <Tyra.Feil@duganproduction.com>; mgomez@blm.gov; Kade, Matthew H <mkade@blm.gov>; Vlucero@blm.gov; Rennick, Kenneth G <krennick@blm.gov>; Dustin Porch <dporch@blm.gov>; Alex Prieto-Robles <arobles@aztecwell.com>  
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**Subject:** dugan\_sherman\_edward\_2\_cbl.pdf

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Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 410455

**CONDITIONS**

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 410455
	Action Type: [C-103] Sub. Plugging (C-103P)

**CONDITIONS**

Created By	Condition	Condition Date
mkuehling	CBL in log file Well plugged 11/8/2024	12/11/2024