

Well Name: JEFFERS FEDERAL 2	Well Location: T23N / R8W / SEC 2 / NESW / 36.253647 / -107.6539	County or Parish/State: SAN JUAN / NM
Well Number: 23	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM29560	Unit or CA Name:	Unit or CA Number:
US Well Number: 300452443900C1	Operator: DUGAN PRODUCTION CORPORATION	

Subsequent Report

Sundry ID: 2808510

Type of Submission: Subsequent Report

Date Sundry Submitted: 08/26/2024

Date Operation Actually Began: 07/12/2024

Type of Action: Plug and Abandonment

Time Sundry Submitted: 03:07

Actual Procedure: Dugan Production P&A'd the well on 7/12/2024 - 7/18/2024 per the attached procedure.

SR Attachments

Actual Procedure

- Jeffers\_Federal\_2\_23\_BLM\_OCD\_apvd\_plug\_change\_20240826150413.pdf
- Jeffers\_Federal\_2\_23\_SR\_PA\_formation\_tops\_20240826150355.pdf
- Jeffers\_Federal\_2\_23\_SR\_PA\_completed\_wellbore\_schematic\_20240826150348.pdf
- Jeffers\_Federal\_2\_23\_SR\_PA\_work\_20240826150338.pdf

Well Name: JEFFERS FEDERAL 2

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NESW / 36.253647 / -107.6539

County or Parish/State: SAN  
JUAN / NM

Well Number: 23

Type of Well: OIL WELL

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Lease Number: NMNM29560

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US Well Number: 300452443900C1

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: AUG 26, 2024 03:03 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: 08/27/2024

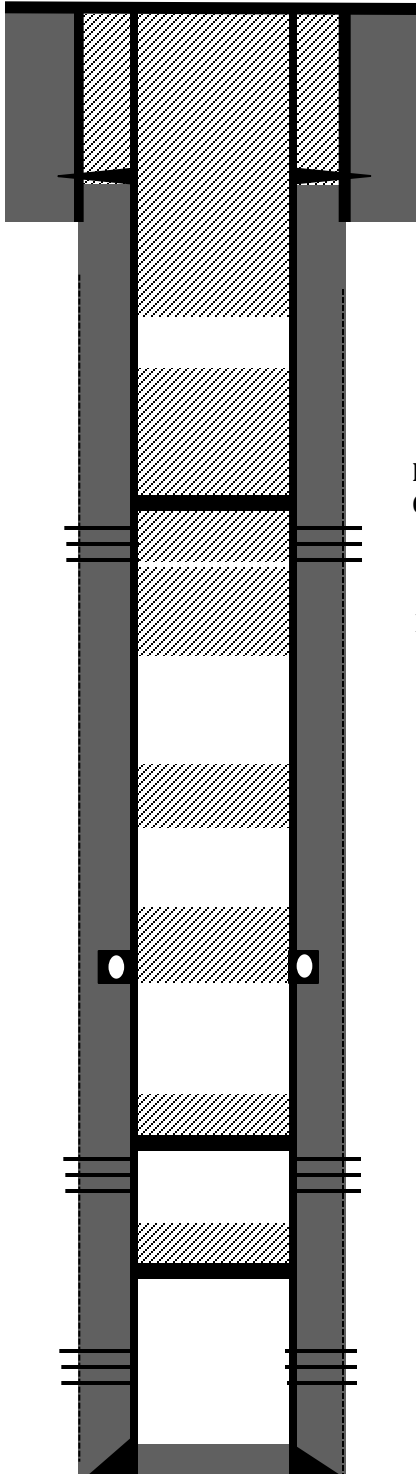
Signature: Matthew Kade

Dugan production P&A'd the well on 07/12/2024-07/18/2024 per the following procedure:

- MI&RU Aztec Rig 481 and cement equipment. Check pressures, Tubing 0 psi, Casing 0 psi, BH 0 psi.
- PU & tally 2-3/8" workstring. Run 4½" string mill for casing scraper to 5288'. Hard tag. **RIH & set 4½" CIBP @ 5286'**. Gallup perforations @ 5336'-5349'. Fruitland perforations at 1798'-1804'.
- Load and circulate hole.
- Run CBL from 5286' to surface'. Sent copy of CBL and revised procedure to NMOCD/BLM.
- Spot Plug I inside 4½" casing from 5286' w/20 sks (23 cu ft) Class G cement to cover the Gallup top. Displaced w/19.4 bbls water. WOC overnight. Tagged TOC at 5084'. **Plug I, inside 4½" casing, 20 sks, 23 cu ft, Gallup, 5084'-5286'**.
- Spot Plug II inside 4½" casing from 4510' w/27 sks (31.1 cu ft) Class G cement to cover the DV tool & Mancos top. Displaced w/16.1 bbls water. Tagged TOC at 4293'. Good tag. **Plug II, inside 4½" casing, 27 sks, 31.1 cu ft, Mancos-DV, 4293'-4510'**.
- Spot Plug III inside 4½" casing from 3449' w/26 sks, 29.2 cu ft Class G cement to cover the Mesaverde top. Displaced w/12 bbls water. WOC overnight. Tagged TOC at 3104'. **Plug III, inside 4½" casing, 26 sks, 29.2 cu ft, Mesaverde, 3104'-3449'**.
- Check pressures, Tubing 0 psi, Casing 0 psi, BH 0 psi.
- Spot Plug IV inside 4½" casing from 2634' w/18 sks, 20.7 cu ft Class G cement to cover the Chacra top. Displaced w/9.2 bbls water. WOC 4 hrs. Tagged TOC at 2391'. **Plug IV, inside 4½" casing, 18 sks, 20.7 cu ft, Chacra, 2391'-2634'**.
- RIH w/4½" CR and set at 1748'. Load and circulate hole. Sting inside cement retainer and establish rates through the Fruitland perforations, 1798'-1804'. Swapped to cement. Spot Plug V inside 4½" casing with 15 sks, 17.3 cu ft Class G neat cement from 1784' to squeeze cement to cover Pictured cliffs top to 1882'. Displaced w/6.8 bbls water to the top of CR. Sting out of the CR. Spot plug inside 4½" casing from 1748 w/66 sks (75.9 cu ft) Class G cement to cover the Fruitland-Kirtland-Ojo Alamo tops. Displaced w/3.4 bbls water. WOC overnight. Tagged TOC at 940'. Good tag. **Plug V, inside 4½" casing, cement retainer at 1748', 81 sks, 93.2 cu ft, Ojo Alamo-Kirtland-Fruitland-Pictured Cliffs, 940'-1882'**.
- Check pressures, Tubing 0 psi, Casing 0 psi, BH 0 psi.
- Attempted to pressure test casing. Casing tested good for 30 minutes at 650 psi.
- RIH and shot squeeze holes at 400'. Establish circulation to surface through BH.
- RIH w/2-3/8" open ended to 616'. Spot Plug VI inside/outside 4½" casing from 616' to surface w/142 sks, 163.3 cu ft to cover the surface casing shoe to surface. Circulate 1 bbl cement to surface. WOC 4 hrs. Cut wellhead off. TOC at surface inside 4½" casing and inside annulus. Good tag. **Plug VI, inside 4½" casing, perforations at 400', 142 sks, 163.3 cu ft, surface casing shoe, 0-616'**.
- Install dry hole marker & fill up cellar w/18 sks, 20.7 cu ft Class G neat cement. Clean location and rig down Aztec 481 and cement equipment. Casey Arnett w/BLM witnessed job.
- **Well P&A'd 07/18/2024.**

**Completed P & A Schematic**

Jeffers Federal 2 #23  
 API: 30-045-24439  
 Unit K Sec 2 T23N R08W  
 1750' FSL & 1650' FWL  
 San Juan County, NM  
 Lat:36.2536888 Long:-107.6544647



8-5/8" J-55 23# casing @ 560'. Cemented with 400 sks Cement.  
 Circulated to surface

**Plug VI, Inside 4 ½" casing, Perforations at 400', 142 sks, 163.3 Cu.ft, Surface casing shoe, 0-616'.**

**Plug V, Inside 4 ½" casing, Cement retainer at 1748', 81 sks, 93.2 Cu.ft, Ojo Alamo-Kirtland-Fruitland-Pictured Cliffs, 940'-1882' Fruitland Perforations @ 1798'-1804'**

**Plug IV, Inside 4 ½" casing, 18 sks, 20.7 Cu.ft, Chacra, 2391'-2634'**

**Plug III, Inside 4 ½" casing, 26 sks, 29.2 Cu.ft, Mesaverde, 3104'-3449'**

**Plug II, Inside 4 ½" casing, 27 sks, 31.1 Cu.ft, Mancos-DV, 4293'-4510'**

Cemented Stage I w/ 350 sks, Class H. DV tool @ 4460'. Stage II w/ 750 sks Lite & 100 sks 50/50 poz. Will run CBL to determine TOC behind casing & DV tool depth.

**Set CIBP @ 5268 Plug I, Inside 4 ½" casing, 20 sks, 23 Cu.ft, Gallup, 5084'-5286'**

**Gallup Perforations @ 5336'-5349'**

**CIBP @ 5404'. Dakota PBT'D ed 1980 w/ cement on top of CIBP from 5370'-5404'**

**Dakota Perforated @ 6274'-6368'**

**4 ½" 10.5 # casing @ 6480', Hole size 7-7/8"**

**Jeffers Federal 2 #23**  
API: 30-045-24439  
Unit K Sec 2 T23N R08W  
1750' FSL & 1650' FWL  
San Juan County, NM  
Lat:36.2536888 Long:-107.6544647

**Elevation ASL : 6985'**

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

- **Surface Casing – 560'**
- **Ojo Alamo – 1096'**
- **Kirtland – 1195'**
- **Fruitland – 1690'**
- **Fruitland perforations – 1798'-1804'**
- **Pictured Cliffs – 1832'**
- **Chacra – 2584'**
- **Mesaverde – 3290'**
- **Mancos – 4345'**
- **DV tool – 4460'**
- **Gallup – 5214'**
- **Gallup perforations – 5336'-5349'**

## Tyra Feil

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**From:** Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>  
**Sent:** Wednesday, July 17, 2024 9:08 AM  
**To:** Rennick, Kenneth G; Aliph Reena; Lucero, Virgil S; Kade, Matthew H; Arnett, Casey W  
**Cc:** Jerold Manybeads; Alex Prieto-Robles; Tyra Feil  
**Subject:** RE: [EXTERNAL] RE: dugan\_jeffers\_federal\_2\_23\_cbl.pdf

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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

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**From:** Rennick, Kenneth G <krennick@blm.gov>  
**Sent:** Wednesday, July 17, 2024 8:26 AM  
**To:** Aliph Reena <Aliph.Reena@duganproduction.com>; Lucero, Virgil S <vlucero@blm.gov>; Kade, Matthew H <mkade@blm.gov>; Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>; Arnett, Casey W <carnett@blm.gov>  
**Cc:** Jerold Manybeads <jmanybeads@aztecwell.com>; Alex Prieto-Robles <arobles@aztecwell.com>; Tyra Feil <Tyra.Feil@duganproduction.com>  
**Subject:** Re: [EXTERNAL] RE: dugan\_jeffers\_federal\_2\_23\_cbl.pdf

The BLM finds the proposed procedure 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)  
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---

**From:** Aliph Reena <[Aliph.Reena@duganproduction.com](mailto:Aliph.Reena@duganproduction.com)>

**Sent:** Wednesday, July 17, 2024 8:22 AM

**To:** Lucero, Virgil S <[vlucero@blm.gov](mailto:vlucero@blm.gov)>; Kade, Matthew H <[mkade@blm.gov](mailto:mkade@blm.gov)>; Rennick, Kenneth G <[krennick@blm.gov](mailto:krennick@blm.gov)>; Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>; Arnett, Casey W <[carnett@blm.gov](mailto:carnett@blm.gov)>

**Cc:** Jerold Manybeads <[jmanybeads@aztecwell.com](mailto:jmanybeads@aztecwell.com)>; Alex Prieto-Robles <[arobles@aztecwell.com](mailto:arobles@aztecwell.com)>; Tyra Feil <[Tyra.Feil@duganproduction.com](mailto:Tyra.Feil@duganproduction.com)>

**Subject:** [EXTERNAL] RE: dugan\_jeffers\_federal\_2\_23\_cbl.pdf

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**RE: Dugan Production Corp.  
Jeffers Federal 2 # 23  
30-045-24439**

After running the CBL, the TOC appear to be around 420'. We propose the folwoing changes based on the CBL.

1. Plug VI, Surface: Perforate at 400'. RIH open ended to 610'. Fill up 4 ½" casing to surface. Shut the backside and circulate cement through the BH on the backside to surface. If cement cannot be circulated, we will perforate 50' higher and try again.
2. OCD also require to cover 100' above the Pictured Cliffs. We will set a CR above the Fruitland perforations, and will squeeze 100' of cement volume with excess to cover the Pictured Cliffs tops. Pictured Cliffs tops at 1832' and Fruitland perforations are 1798'-1804'. Will set a Cement retainer at 1748' and will squeeze enough cement to cover from 1748' to 1882' below the cement retainer. Will sting out and spot cement above the retainer inside 4 ½" casing to cover the Ojo Alamo-Kirtland-Frutiland tops.
3. We will submit the copy of CBL to NMOCD through the NMOCD website along with SR.

Please let us know if these revisions are acceptable to NMOCD/BLM – We will proceed accordingly.

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

---

**From:** Alex Prieto-Robles <[arobles@aztecwell.com](mailto:arobles@aztecwell.com)>

**Sent:** Monday, July 15, 2024 3:04 PM

**To:** Aliph Reena <[Aliph.Reena@duganproduction.com](mailto:Aliph.Reena@duganproduction.com)>

**Cc:** [Vlucero@blm.gov](mailto:Vlucero@blm.gov); Kade, Matthew H <[mkade@blm.gov](mailto:mkade@blm.gov)>; Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>; Rennick, Kenneth G <[krennick@blm.gov](mailto:krennick@blm.gov)>; [carnett@blm.gov](mailto:carnett@blm.gov); Jerold Manybeads <[jmanybeads@aztecwell.com](mailto:jmanybeads@aztecwell.com)>

**Subject:** dugan\_jeffers\_federal\_2\_23\_cbl.pdf

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**District IV**  
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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 378491

CONDITIONS

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 378491
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	well plugged 7/18/2024	9/27/2024