

Well Name: GULF FEDERAL 24	Well Location: T23N / R6W / SEC 24 / NWNW / 36.215442 / -107.426236	County or Parish/State: SANDOVAL / NM
Well Number: 1	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM17009	Unit or CA Name:	Unit or CA Number:
US Well Number: 300432067200S1	Well Status: Oil Well Shut In	Operator: M & M PRODUCTION & OPERATION

Subsequent Report

Sundry ID: 2751928  
Type of Submission: Subsequent Report  
Date Sundry Submitted: 09/18/2023  
Date Operation Actually Began: 08/01/2023  
Type of Action: Plug and Abandonment  
Time Sundry Submitted: 04:26

Actual Procedure: Dugan Production Corp completed work as the record title owner of the lease.

SR Attachments

Actual Procedure  
2751928\_SR\_ABD\_1\_3004320672\_20230918161940.pdf

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5055647742	BLM POC Email Address: krennick@blm.gov
Disposition: Accepted	Disposition Date: 09/18/2023
Signature: Kenneth Rennick	

Received September 18, 2023

Kenneth Rennick, BLM Petroleum Engineer

Form 3160-5  
(June 2015)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an**  
**abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No. NM17009

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator M&amp;M Production &amp; Operation

3a. Address c/o Dugan Production Corp. PO Box 420  
Farmington NM 87499-04203b. Phone No. (include area code)  
(505) 325-1821

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No. Gulf Federal 24 #1

9. API Well No. 30-043-20672

10. Field and Pool or Exploratory Area  
Counselors Gallup-Dakota

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

920' FNL &amp; 795' FWL (NW/4 NW/4) (Unit D), Section 24, T23N, R6W

11. Country or Parish, State  
Sandoval NM

## 12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Dugan Production is plugging the well as the record title owner of the lease. See attached.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Aliph Reena, P.E.

Title Engineering Supervisor

Signature



Date

09/18/2023

**THE SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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.

(Instructions on page 2)

Dugan Production P&A'd the well per following procedure during 08/01/2023-08/09/2023.:

- MI&RU Aztec Rig 481 & cement equipment. Spot equipment, LD rods. ND WH, NU BOP.
- TOO H w/2-3/8", 4.7# tubing & LD. PU and tally 2-3/8", 4.7# workstring. Run 4½" casing scraper to 5345'. RIH & set 4½" CIBP @ 5323'. Gallup perforations @ 5372'-5776'.
- Load & circulate hole. Run CBL from 5323' to surface. Attempt to pressure test casing to 650 psi. Casing won't test.
- Spot Plug I inside 4½" casing from 5323' w/68 sks (78.2 cu ft) Class G cement to cover the Gallup & Mancos tops. Displaced w/17.2 bbls. WOC 4 hrs. Tagged TOC @ 5066'. Tagged low. Spot second plug w/50 sks, 57.5 cu ft, Class G neat cement on top of the tagged top of plug. Pumped 17.1 bbls displacement. WOC overnight. Tagged TOC @ 4295'. Good tag. **Plug I, Inside 4½" casing, 118 sks, 135.7 cu ft, 4295'-5323'.**
- Spot Plug II inside 4½" casing from 3807' w/20 sks (23 cu ft) Class G cement to cover the Mesaverde top. Displaced w/13.2 bbls. WOC 4 hrs. Tagged TOC @ 3574'. **Plug II, Inside 4½" casing, Mesaverde, 20 sks, 23 cu ft, 3574'-3807'.**
- Perforate @ 2659'. Set cement retainer @ 2643'. Sting in. Spot Plug III inside/outside 4½" casing from 2659' w/60 sks (69 cu ft) Class G cement to cover the tops Chacra top, 40 sks behind casing (46 cu ft), 1.5 sks below, 18.5 sks (21.27) above the CR. Displace w/9.4 bbls. WOC overnight. Tagged TOC @ 2384'. Good tag. **Plug III, Inside/Outside 4½" casing, Chacra, 60 sks, 69 cu ft, 2384'-2659'.**
- Attempt to pressure test casing. Casing wont test. Perforate @ 2244'. Set cement retainer @ 2218'. Sting in. Spot Plug IV inside/outside 4½" casing from 2244' w/107 sks (123 cu ft) Class G cement to cover the Pictured Cliffs & Fruitland tops. 77 sks (88.6 cu ft) behind casing, 2 sks below retainer, 28 sks (32.2 cu ft) above CR. Displace w/6.4 bbls. WOC 4 hrs. Tagged TOC @ 1950'. Perforate @ 1945'. TIH w/tubing and set CR @ 1922'. Sting in and attempt to get a rate below the retainer. Cannot get a rate @ 1100 psi. Sting out. Spot Plug on top of the CR @ 1922' w/17 sks, 19.6 cu ft Class G cement to cover the Fruitland top. Displace w/6.6 bbls. WOC overnight. Tagged TOC @ 1823'. Good tag. **Plug IV, Inside/Outside 4½" casing, Pictured Cliffs-Fruitland, 124 sks, 142.6 cu ft, 1823'-2244'.**
- Perforate @ 1815'. Set CR @ 1791'. Attempt to pressure test casing to 650 psi for 30 minutes. Casing tested good. Sting in. Establish rate @ 1.5 bbl/650 psi. Swap to cement. Spot & squeeze Plug V inside/outside 4½" casing from 1815' to 1470' w/75 sks (86.3 cu ft) Class G cement to cover the Kirtland-Ojo Alamo tops, 48 sks (55.2 cu ft) behind casing, 2 sks (2.3 cu ft) below, 25 sks (28.9 cu ft) above the CR. Displaced w/1.8 bbls. Top of cement @ 1470'. **Plug V, Inside/Outside 4½" casing, Kirtland-Ojo Alamo, 75 sks, 86.3 cu ft, 1470'-1815'.**
- Perforate @ 263'. Establish circulation to surface @ 2 bpm/150 psi. Pump 90 sks, 103.5 cu ft, Class G neat cement to fill up 4½" casing and bring cement to surface through BH. Circulated 2 bbls cement through BH. Cut wellhead off. TOC @ surface inside 4½" casing and inside annulus. **Plug VI, Inside/Outside 4½" casing, Surface, 90 sks, 103.5 cu ft, 0-263'.**
- Fill up cellar and install dry hole marker w/25 sks, 28.75 cu ft, Class G neat cement. RD 481 and cement equipment. Dustin Porch w/BLM Farmington FO witnessed job. **Well P&A'd 08/09/2023.**

Gulf Federal 24 # 1

API: 30-043-20672

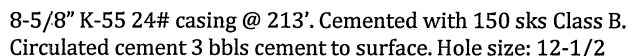
Unit D Sec 24 T23N R6W

920' FNL & 795' FWL

Sandoval County, NM

Lease # NM - 17009

Lat:36.2154465 Long:-107.4262466



**Perfs @ 263'. Plug VI, Inside/Outside 4 ½" casing, Surface, 90 sks,  
103.5 Cu.ft, 0-263'**

**Perfs @ 1815'. Plug V, Inside/Outside 4 1/2" casing, Kirtland-Ojo Alamo, 75 sks, 86.3 Cu.ft, 1470'-1815'**

**Perfs @ 2244'. Plug IV, Inside/Outside 4 ½" casing, Pictured  
Cliffs-Fruitland, 124 sks, 142.6 Cu.ft, 1823'-2244'**

**Plug III, Inside/Outside 4 ½" casing, Chacra, 60 sks, 69 Cu.ft,  
2384'-2659'**

**Plug II, Inside 4 1/2" casing, Mesaverde, 20 sks, 23 Cu.ft, 3574'-3807'**

**Cemented Stage I w/ 275 sks 50/50 poz w/ 2% gel. DV Tool @ 4725**  
**Stage II w/ 600 sks Class B 65/35 w/ 12% gel followed by 50 sks Class B**

**CIBP @ 5323'. Plug I, Inside 4 ½" casing, 118 sks, 135.7 Cu.ft, Gallup-Mancos, 4295'-5323'**

**Gallup Perforated @ 5372'-5776'**

**4 1/2" 10.5 & 9.5 # casing @ 5810'. Hole size: 7-7/8"**

## Tyra Feil

**From:** Rennick, Kenneth G <krennick@blm.gov>  
**Sent:** Monday, August 7, 2023 7:11 AM  
**To:** Aliph Reena; Dean Mestas; Alex Prieto-Robles; monica.kuehling@state.nm.us; Lucero, Virgil S; Porch, Dustin T; Tyra Feil; John Alexander  
**Cc:** monica.kuehling@emnrd.nm.gov  
**Subject:** Re: [EXTERNAL] Re: Dugan Gulf Federal 24 #1

The BLM finds the proposed changes appropriate.

Kenneth Rennick

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**From:** Aliph Reena <Aliph.Reena@duganproduction.com>  
**Sent:** Saturday, August 5, 2023 4:07:51 PM  
**To:** Dean Mestas <dmestas@aztecwell.com>; Alex Prieto-Robles <Arobles@aztecwell.com>; monica.kuehling@state.nm.us <monica.kuehling@state.nm.us>; Rennick, Kenneth G <krennick@blm.gov>; Lucero, Virgil S <vlucero@blm.gov>; Porch, Dustin T <dporch@blm.gov>; Tyra Feil <Tyra.Feil@duganproduction.com>; John Alexander <John.Alexander@duganproduction.com>  
**Cc:** monica.kuehling@emnrd.nm.gov <monica.kuehling@emnrd.nm.gov>  
**Subject:** [EXTERNAL] Re: Dugan Gulf Federal 24 #1

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Re: Gulf Federal 24 # 1  
API: 30-043-20672

After reviewing the CBL the TOC behind the casing appear to be around 3710'. We propose the following changes to the plugs from originally proposed.

1. Plug I: Gallup-Mancos, Inside plug
2. Plug II: Mesaverde, Inside plug
3. Plug III: Chacra, Inside/Outside plug
4. Plug IV: PC-Fruitland, Inside/Outside plug
5. Plug V: Kirtland-Ojo Alamo, Inside/Outside plug
6. Plug VI: Surface, Inside/Outside Plug

Plug IV has been split to two plugs as the volume of cement to pump for one inside/outside plug will be quite large since the plugs are now changed to inside outside from originally proposed.

If the proposed changes are acceptable with the BLM/NMOCD please let us know and we will proceed.

**Tyra Feil**

---

**From:** Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>  
**Sent:** Monday, August 7, 2023 8:07 AM  
**To:** Aliph Reena; Dean Mestas; Alex Prieto-Robles; Kenneth G Rennick; Virgil S Lucero; Dustin Porch; Tyra Feil; John Alexander  
**Subject:** RE: [EXTERNAL] Re: Dugan Gulf Federal 24 #1

NMOCD approves below with prior approval from the BLM

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:** Aliph Reena <Aliph.Reena@duganproduction.com>  
**Sent:** Saturday, August 5, 2023 4:08 PM  
**To:** Dean Mestas <dместas@aztecwell.com>; Alex Prieto-Robles <Arobles@aztecwell.com>; Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>; Kenneth G Rennick <krennick@blm.gov>; Virgil S Lucero <vlucero@blm.gov>; Dustin Porch <dporch@blm.gov>; Tyra Feil <Tyra.Feil@duganproduction.com>; John Alexander <John.Alexander@duganproduction.com>  
**Cc:** Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>  
**Subject:** [EXTERNAL] Re: Dugan Gulf Federal 24 #1

**CAUTION:** This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Re: Gulf Federal 24 # 1  
API: 30-043-20672

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If the proposed changes are acceptable with the BLM/NMOCD please let us know and we will proceed.

Received September 18, 2023

Kenneth Rennick, BLM Petroleum Engineer

Regards,  
Aliph Reena  
Cell: 505-360-9192

Sent from my iPad

On Aug 3, 2023, at 7:51 PM, William Richardson <[wrichardson@thewirelinegroup.com](mailto:wrichardson@thewirelinegroup.com)> wrote:

All,

Here is a copy of the log ran today on the Gulf Federal 24 #1 if you have any questions please let me know.

Will Richardson  
Field Service Manager  
The Wireline Group (Cutters Wireline)  
Farmington, NM  
505.327.7141 Office  
214.783.2513 Cell  
[wrichardson@thewirelinegroup.com](mailto:wrichardson@thewirelinegroup.com)

**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  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**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 266667

CONDITIONS

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 266667
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	well plugged 8/9/2023	10/26/2023