

Well Name: BLANCO WASH

Well Location: T24N / R9W / SEC 2 /
NENE / 36.348297 / -107.751816

County or Parish/State: SAN
JUAN / NM

Well Number: 4

Type of Well: OIL WELL

Allottee or Tribe Name:
EASTERN NAVAJO

Lease Number: 142006031405

Unit or CA Name:

Unit or CA Number:

US Well Number: 300452293800S1

Operator: DUGAN PRODUCTION
CORPORATION

Subsequent Report

Sundry ID: 2854550

Type of Submission: Subsequent Report

Type of Action: Plug and Abandonment

Date Sundry Submitted: 05/27/2025

Time Sundry Submitted: 07:47

Date Operation Actually Began: 02/14/2025

Actual Procedure: Dugan Production Corp. P&A'd the well 02/14/2025 - 02/24/2025 per the attached procedure.

SR Attachments

Actual Procedure

Blanco_Wash_4_BLM_apvd_plug_changes_20250527074618.pdf

Blanco_Wash_4_SR_PA_formation_tops_20250527074327.pdf

Blanco_Wash_4_SR_PA_completed_wellbore_schematic_20250527074318.pdf

Blanco_Wash_4_SR_PA_completed_work_20250527074305.pdf

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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: MAY 27, 2025 07:47 AM

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: 05/27/2025

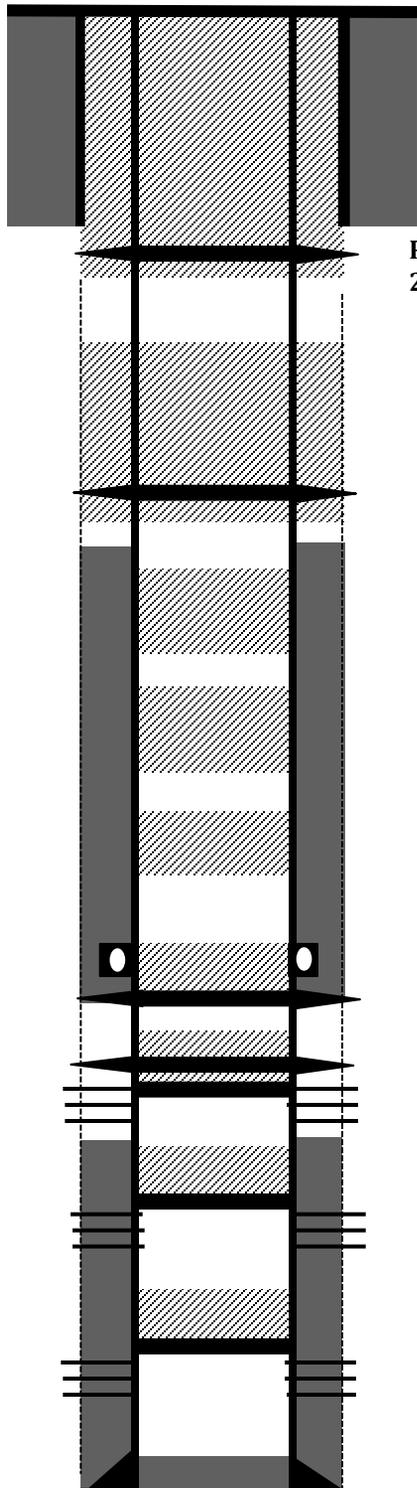
Signature: Matthew Kade

Dugan Production Corp. P&A'd the well on 02/14/2025 – 02/24/2025 per the following procedure:

- MI & RU Aztec Rig 481 and cement equipment.
- *Check pressures, Tubing 0 psi, Casing 20 psi, BH 20 psi.*
- LD rods & 2-3/8" production tubing.
- PU & tally 2-3/8" workstring. Run 4½" string mill - hit hard tag at 5440'. Worked tbg. RU power swivel. Worked & circulated bottoms up until cleaned out. Cleaned out to 6054'.
- RIH & set 4½" CR @ 6054'.
- **Plug I:** Sting in to Cement retainer. Attempt to get rate through the Dakota perforations. Cannot get a rate. Locked up to 1000 psi. Notified BLM. Obtained permission to do inside plug. Sting out. Spot Plug I, inside 4½" casing w/15 sks, 17.3 cu ft Class G neat cement to cover the Dakota top & Dakota perforations. Pumped 22.6 bbls for displacement. WOC overnight. *Check pressures: Tbg 0 psi, Casing 0 psi, BH 0 psi.* Tagged TOC at 5890', good tag. **Plug I, inside 4½" casing, 15 sks, 17.3 cu ft Class G, Dakota top-Dakota perforations, 5890'-6054'.**
- **Plug II:** Set 4½" CIBP at 5806'. Spot Plug II inside 4½" casing from 5806' w/18 sks, 20.7 cu ft Class G neat cement. Displaced w/21.5 bbls. WOC 4 hrs. Tagged TOC at 5600', good tag. **Plug II, inside 4½" casing, 18 sks, 20.7 cu ft, Lower Gallup perforations, 5600'-5806'.**
- *Check pressures, Tubing 0 psi, Casing 0 psi, BH 0 psi.*
- RIH 4½" CIBP and set BP @ 5130'. Load and circulate hole w/81 bbls water. Attempt to pressure test casing to 650 psi, casing won't test. RU wireline and run CBL from 5130' to surface. Sent copy of CBL to BLM (NMOCD didn't require CBL because it is an Indian lease).
- **Plug III:** TIH w/4½" CR and set CR at 5085'. Sting in, attempt to get rate through perforations, cannot get a rate, locked up to 1100 psi. Sting out. Permission obtained to do inside plug. Spot Plug III, inside 4½" casing from 5085' w/18 sks, 20.7 cu ft Class G neat cement to cover the Gallup top & Upper Gallup perforations. Displaces w/18.7 bbls. WOC overnight. *Check pressures, Tubing 0 psi, Casing 0 psi, BH 0 psi.* Tagged TOC at 4881'. Good tag. **Plug III, inside 4½" casing, CIBP at 5130', Perforations at 5125', Cement retainer at 5085', 18 sks, 20.7, Upper Gallup perforations-Gallup top, 4881'-5085'.**
- **Plug IV:** RU WL & Shoot squeeze holes at 4470'. RIH and set 4 ½" cement retainer at 4430'. Sting in and attempt to get a rate through squeeze holes. Cannot get a rate, locked up to 1000 psi. Sting out. Obtained permission to do inside plug. Spot Plug IV inside 4½" casing on top of CR at 4430' w/20 sks, 23 cu ft Class G neat cement to cover the Mancos & DV tool. Displaced w/16.1 bbls. WOC 4 hrs. Tagged TOC at 4170'. Good tag. **Plug IV, Inside 4½" casing, Perforations at 4470', Cement retainer at 4430', 20 sks, 23 cu ft, Mancos-DV tool, 4170'-4430'.**
- **Plug V:** Spot Plug V inside 4½" casing from 3030' w/18 sks, 20.7 cu ft Class G cement to cover the Mesaverde top. Displaced w/10.8 bbls water. WOC overnight. Tagged TOC at 2786'. Good tag. **Plug V, Inside 4½" casing, 18 sks, 20.7 cu ft, Mesaverde, 2786'-3030'.**
- *Check pressures, Tubing 0 psi, Casing 0 psi, BH 0 psi.*
- **Plug VI:** Spot Plug VI inside 4½" casing from 2582' w/48 sks, 55.2 cu ft Class G cement to cover the Upper Chacra & Lower Chacra. Displaced w/7.6 bbls. WOC 4 hrs. Tagged TOC at 1980', good tag. **Plug VI, Inside 4½" casing, 48 sks, 55.2 cu ft, Upper Chacra-Lower Chacra, 1980'-2582'.**
- TOOH and SB all tubing. RU wireline and TIH to shoot squeeze holes. Tagged obstruction at 1134'. Cannot get past 1134' with wireline. RD wireline. PU 4½" string mill and RIH. Tagged 1134', worked through tight spot. Worked tight spot several times. RD scraper. RIH w/wireline gun, tagged again at 1134'. Gun tagged hard at 1170'. Bad section of casing from CBL. Cannot get through the tag with wireline gun. Discussed with BLM, got permission to inside plug. TIH open-ended to 1780'.

- **Plug VII:** Spot inside Plug VII from 1780' w/48 sks, 55.2 cu ft Class G neat cement to cover the Pictured Cliffs & Fruitland tops. Displaced w/4.5 bbls water. WOC overnight. *Check pressures, Tubing 0 psi, Casing 0 psi, BH 0 psi.* Tagged TOC at 1194', good tag. **Plug VII, Inside 4½" casing, 48 sks, 55.2 cu ft, Pictured Cliffs-Fruitland, 1194'-1780'.**
- **Plug VIII:** Shoot squeeze holes at 1110'. RIH w/ 4½" CR and set CR at 1078'. Sting in and attempt to get a rate through the squeeze holes. Spot and squeeze inside/outside Plug VIII to cover the Kirtland & Ojo Alamo tops w/158 sks, 181.7 cu ft Class G neat cement, 28 sks, 32.2 cu ft above the CR, 4 sks (4.6 cu ft) below the CR, 126 sks, 144.9 cu ft outside casing. Displaced w/2.8 bbls. Circulated 0.3 bbls cement to surface. WOC 4 hrs. Tagged TOC at 796', good tag. **Plug VIII, Inside 4½" casing, Perforations at 1110', Cement retainer at 1078', 158 sks, 181.7 Cu.ft, Kirtland-Ojo Alamo, 796'-1110'.**
- RIH with Wireline and shoot squeeze holes at 270'. TIH to 294' open-ended. Established circulation to surface through bradenhead at 2.5 bpm, 50 psi. RIH open ended to 294'.
- **Plug IX:** Spot inside/outside Plug IX from surface to 294' & circulated cement back to surface through bradenhead w/107 sks, 123.05 cu ft Class G neat cement. No displacement. WOC 4 hrs. Cut wellhead off. Tagged TOC at 0' inside annulus & inside 4½" casing. Good Tag. **Plug IX, Inside/Outside 4½" casing, 107 sks, 123.05 cu ft, perforations at 270', EOT at 294', surface, 0-294'.**
- Install dryhole marker & fill up cellar w/22 sks, 25.3 cu ft Class G neat cement. Clean location & RD Aztec 481. Natasha Dishface & Mark Decker w/BLM witnessed job.
- **Well P&A'd 02/24/2025.**

Blanco Wash #4
API: 30-045-22938
Sec 2 T24N R09W
790' FNL & 790' FEL
San Juan County, NM
Lat: 36.348315, Long: -107.752313



8-5/8" J-55 43# casing @ 220'. Cemented with 140 sks Cement.

Plug IX, Inside/Outside 4½" casing, 107 sks, 123.05 cu ft, perforations at 270', EOT at 294', surface, 0-294'.

Plug VIII, Inside 4½" casing, Perforations at 1110', Cement retainer at 1078', 158 sks, 181.7 Cu.ft, Kirtland-Ojo Alamo, 796'-1110'.

Plug VII, Inside 4½" casing, 48 sks, 55.2 cu ft, Pictured Cliffs-Fruitland, 1194'-1780'

Plug VI, Inside 4½" casing, 48 sks, 55.2 cu ft, Upper Chacra-Lower Chacra, 1980'-2582'

Cemented Stage I w/ 350 sks, Class B. DV tool @ 4425'. Stage II w/ 450 sks 65-35-12 cement. Will run CBL to determine TOC behind casing

Plug V, Inside 4½" casing, 18 sks, 20.7 cu ft, Mesaverde, 2786'-3030'

Plug IV, Inside 4½" casing, Perforations at 4470', Cement retainer at 4430', 20 sks, 23 cu ft, Mancos-DV tool, 4170'-4430'.

Plug III, inside 4½" casing, CIBP at 5130', Perforations at 5125', Cement retainer at 5085', 18 sks, 20.7, Upper Gallup perforations-Gallup top, 4881'-5085'.

Upper Gallup Perforations @ 5180'-5444'

CIBP @ 5806'. Plug II, inside 4½" casing, 18 sks, 20.7 cu ft, Lower Gallup perforations, 5600'-5806'.

Lower Gallup Perforations @ 5848'-5858'

Cement Retainer @ 6054'. Plug I, inside 4½" casing, 15 sks, 17.3 cu ft Class G, Dakota top-Dakota perforations, 5890'-6054'

Graneros Perforated @ 6104'-6154'

4 ½" 10.5 # casing @ 6415', Hole size 7-7/8"

Blanco Wash #4
API: 30-045-22938
Sec 2 T24N R09W
790' FNL & 790' FEL
San Juan County, NM
Lat: 36.348315, Long: -107.752313

Elevation ASL : 6558' GR, 6570' KB

Formation Tops

- **Surface Casing - 220'**
- **Ojo Alamo - 887'**
- **Kirtland - 1059'**
- **Fruitland - 1360'**
- **Pictured Cliffs - 1730'**
- **Lewis - 1810'**
- **Chacra Upper- 2160'**
- **Chacra Lower - 2532'**
- **Mesaverde - 2980'**
- **Mancos - 4345'**
- **DV tool - 4425'**
- **Gallup - 5166'**
- **Upper Gallup perforations - 5180'-5444'**
- **Lower Gallup perforations - 5848'-5858'**
- **Greenhorn - 5955'**
- **Greenhorn Perforations - 6104'-6154'**
- **Graneros - 6101'**
- **Dakota - 6253'**

Tyra Feil

From: Decker, Mark A <mdecker@blm.gov>
Sent: Friday, February 21, 2025 2:05 PM
To: Aliph Reena; Kade, Matthew H
Cc: arobles@aztecwell.com; Lucero, Virgil S; Porch, Dustin T; Dishface, Natasha N; Tyra Feil
Subject: Re: [EXTERNAL] DUGAN BLANCO WASH #4 CBL

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

For the fruitland pc plug at 1780' we could not get gun past 1160'. At our other inside/outside plugs we have gotten no injection rate. Per our phone convo with Matt Kade, it is recommended that we do inside plug for this plug and shoot at 1110' for the next inside/outside plug. We will wait over weekend and tag this plug on Monday.

Thank you for the ok to do this Matt.

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From: Aliph Reena <Aliph.Reena@duganproduction.com>
Sent: Thursday, February 20, 2025 5:03:55 PM
To: Kade, Matthew H <mkade@blm.gov>; Decker, Mark A <mdecker@blm.gov>
Cc: arobles@aztecwell.com <arobles@aztecwell.com>; Lucero, Virgil S <vlucero@blm.gov>; Porch, Dustin T <dporch@blm.gov>; Dishface, Natasha N <ndishface@blm.gov>; Tyra Feil <Tyra.Feil@duganproduction.com>
Subject: RE: [EXTERNAL] DUGAN BLANCO WASH #4 CBL

Mathew,

We will follow your proposal on the P & A. No further changes from the Operator requested.

Regards,
Aliph

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

From: Kade, Matthew H <mkade@blm.gov>
Sent: Wednesday, February 19, 2025 4:00 PM
To: Decker, Mark A <mdecker@blm.gov>
Cc: Aliph Reena <Aliph.Reena@duganproduction.com>; arobles@aztecwell.com; Lucero, Virgil S <vlucero@blm.gov>; Porch, Dustin T <dporch@blm.gov>; Dishface, Natasha N <ndishface@blm.gov>; Tyra Feil <Tyra.Feil@duganproduction.com>
Subject: Re: [EXTERNAL] DUGAN BLANCO WASH #4 CBL

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

Thank you for at least trying to do an inside/outside plug for the Gallup.

Looking at the CBL and the approved procedure, I have the following thoughts:

- Plug 4 (Mancos/DV) - Attempt Inside/Outside to cover 4245' - 4475'
- Plug 5 (Mesaverde) - Inside plug to cover 2880' - 3030'
- Plug 6 (Lower Chacra) /Plug 7 (Upper Chacra) - Inside plug to cover 2060' - 2582'
- Plug 8 (Fruitland/Picture Cliffs) - Attempt Inside/Outside to cover 1260' - 1780'
- Plug 9 (Ojo Alamo/Kirtland) - Attempt Inside/Outside to cover 787' - 1110'
- Plug 10 (Surface Shoe) - Attempt Inside/Outside to cover Surface - 270'

Please note that I made some minor changes that were not noted in the engineering approval or geo report. I am making the changes based off the BLM formation tops and where plugs should reasonably be. If I made a mistake, please do let me know.

Aliph/Alex - If either of you have different thoughts, please let us know.

Thanks,

Matthew Kade
Petroleum Engineer | Bureau of Land Management

Farmington Field Office | 6251 College Blvd., Suite A / Farmington, NM 87402
Office: 505-564-7736



From: Decker, Mark A <mdecker@blm.gov>
Sent: Wednesday, February 19, 2025 3:17 PM
To: Kade, Matthew H <mkade@blm.gov>
Subject: Fw: [EXTERNAL] DUGAN BLANCO WASH #4 CBL

Do you want us to try to do inside outside all the way up? We had no injection on the 5100 plug. We are tagging in morning then moving up to do tool plug

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From: Alex Prieto-Robles <arobles@aztecwell.com>
Sent: Wednesday, February 19, 2025 12:28:12 PM

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

Cc: Omar Ramirez <oramirez@aztecwell.com>; Tyra Feil <Tyra.Feil@duganproduction.com>; Dishface, Natasha N <ndishface@blm.gov>; Decker, Mark A <mdecker@blm.gov>; Porch, Dustin T <dporch@blm.gov>; Rennick, Kenneth G <krennick@blm.gov>; Kade, Matthew H <mkade@blm.gov>; MONICA <monica.kuehling@emnrd.nm.gov>; Lucero, Virgil S <vlucero@blm.gov>

Subject: [EXTERNAL] DUGAN BLANCO WASH #4 CBL

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Alex Prieto

Rig Manager – San Juan Basin

Aztec Well Servicing Co.

P.O. Box 100

Aztec, New Mexico 87410

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Arobles@aztecwell.com



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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 467378

CONDITIONS

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 467378
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	CBL in log file - well plugged 2/24/2025	6/9/2025