

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	

Notice of Intent

Sundry ID: 2832885

Type of Submission: Notice of Intent	Type of Action: Plug and Abandonment
Date Sundry Submitted: 01/21/2025	Time Sundry Submitted: 07:48
Date proposed operation will begin: 02/17/2025	

Procedure Description: Dugan Production plans to plug and abandon the well per the attached procedure.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- Blanco\_Wash\_4\_Rec\_Plan\_12\_18\_24\_20250121074431.pdf
- Blanco\_Wash\_4\_proposed\_PA\_formation\_tops\_20250121074222.pdf
- Blanco\_Wash\_4\_proposed\_PA\_planned\_wellbore\_schematic\_20250121074211.pdf
- Blanco\_Wash\_4\_proposed\_PA\_current\_wellbore\_schematic\_20250121074201.pdf
- Blanco\_Wash\_4\_proposed\_PA\_planned\_work\_20250121074149.pdf

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Conditions of Approval

Additional

BlancoWash\_4\_P\_A\_GeoReport\_20250129101954.pdf

Authorized

General\_Requirement\_PxA\_20250129164247.pdf

2832885\_4\_3004522938\_NOIA\_KR\_01292025\_20250129164141.pdf

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: JAN 21, 2025 07:41 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

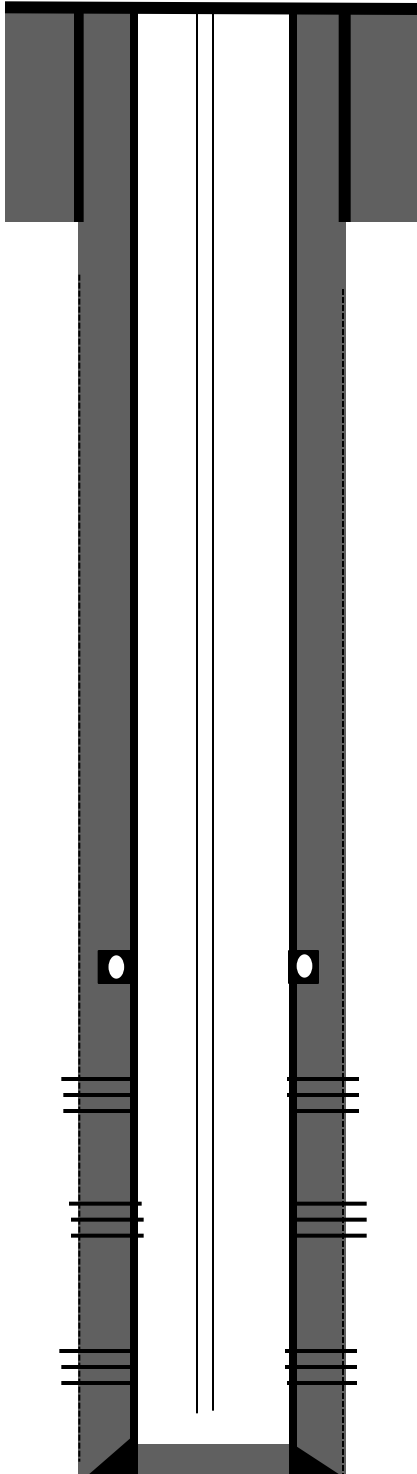
BLM POC Name: KENNETH G RENNICK	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5055647742	BLM POC Email Address: krennick@blm.gov
Disposition: Approved	Disposition Date: 01/29/2025
Signature: Kenneth Rennick	

Dugan Production plans to plug and abandon the well per the following procedure:

- PU & tally 2-3/8" workstring. Run 4½" casing scraper to 6060'. **RIH & set 4½" Cement Retainer @ 6054'**. Greenhorn perforations @ 6104'-6154'.
- **Plug I:** Sting inside below the cement retainer at 6054' and squeeze Plug I w/20 sks, 23 cu ft Class G neat cement to cover the Greenhorn, Graneros & Dakota tops below the retainer. Sting out and spot plug w/12 sks on top of the cement retainer at 6054' to 5904' to cover the Greenhorn top above the retainer. **Plug I, Inside 4½" casing, 32 sks (36.8 cu ft), Greenhorn-Graneros-Dakota, 5904'-6054'.**
- **Plug II: Set CIBP at 5798'.** Lower Gallup perforations are @ 5848'-5858'. Spot Plug II inside 4½" casing from 5798' above the CIBP to 5648' w/12 sks (13.8 cu ft) Class G cement to cover the Lower Gallup perforations. **Plug II, Inside 4½" casing, 12 sks, 13.8 cu ft, Lower Gallup Perforations, 5648'-5798'.**
- **Set CIBP at 5130'.** Gallup Upper perforations are @ 5180'-5444'. Load and circulate hole. Attempt to pressure test casing to 650 psi for 30 minutes.
- Run CBL from 5130' to surface. All plugs are designed assuming good cement behind 4½" casing for this NOI. Will make necessary changes to the plugs after reviewing the CBL.
- **Plug III:** Spot Plug III inside 4½" casing from 5130' above the CIBP to 4980' w/12 sks (13.8 cu ft) Class G cement to cover the Upper Gallup top & perforations. **Plug III, Inside 4½" casing, 12 sks, 13.8 cu ft, Upper Gallup Top & Perforations, 4980'-5130'.**
- **Plug IV:** Spot Plug IV inside 4½" casing from 4475' to 4169' w/24 sks (27.6 cu ft) Class G cement to cover the DV tool & Mancos top. **Plug IV, Inside 4½" casing, 24 sks, 27.6 cu ft, Mancos-DV, 4169'-4475'.**
- **Plug V:** Spot Plug V inside 4½" casing from 3688' to 3538' to cover the Mesaverde top w/12 sks, 13.8 cu ft Class G neat cement. **Plug V, Inside 4½" casing, 12 sks, 13.8 cu ft, Mesaverde, 3538'-3688'.**
- **Plug VI:** Spot Plug VI inside 4½" casing from 3030' to 2880' w/12 sks, 13.8 cu ft Class G cement to cover the Lower Chacra top. **Plug VI, Inside 4½" casing, 12 sks, 13.8 cu ft, Lower Chacra, 2880'-3030'.**
- **Plug VII:** Spot Plug VII inside 4½" casing from 2560' to 2410' w/12 sks, 13.8 cu ft Class G cement to cover the Upper Chacra top. **Plug VII, Inside 4½" casing, 12 sks, 13.8 cu ft, Upper Chacra, 2410'-2560'.**
- **Plug VIII:** Spot Plug VIII inside 4½" casing from 1767' to 1406' w/30 sks, 34.5 cu ft Class G cement to cover the Fruitland-Pictured Cliffs tops. **Plug VIII, Inside 4½" casing, 30 sks, 34.5 cu ft, Fruitland-Pictured Cliffs, 1406'-1767'.**
- **Plug IX:** Spot Plug IX inside 4½" casing from 1180' to 786' w/32 sks (36.8 cu ft) Class G cement to cover the Kirtland-Ojo Alamo tops. **Plug IX, Inside 4½" casing, 32 sks, 36.8 cu ft, Ojo Alamo-Kirtland, 786'-1180'.**
- **Plug X:** Spot Plug X inside 4½" casing from 270' to surface w/24 sks, 27.6 cu ft to cover the surface casing shoe to surface. **Plug X, Inside 4½" casing, 24 sks, 27.6 cu ft, surface casing shoe, 0-270'.**
- Cut wellhead. Tag TOC at surface. Fill cement in case needed.
- Install dryhole marker. Clean location.

**Current Wellbore Schematic**

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.

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

**Upper Gallup Perforations @ 5180'-5444'**

**Lower Gallup Perforations @ 5848'-5858'**

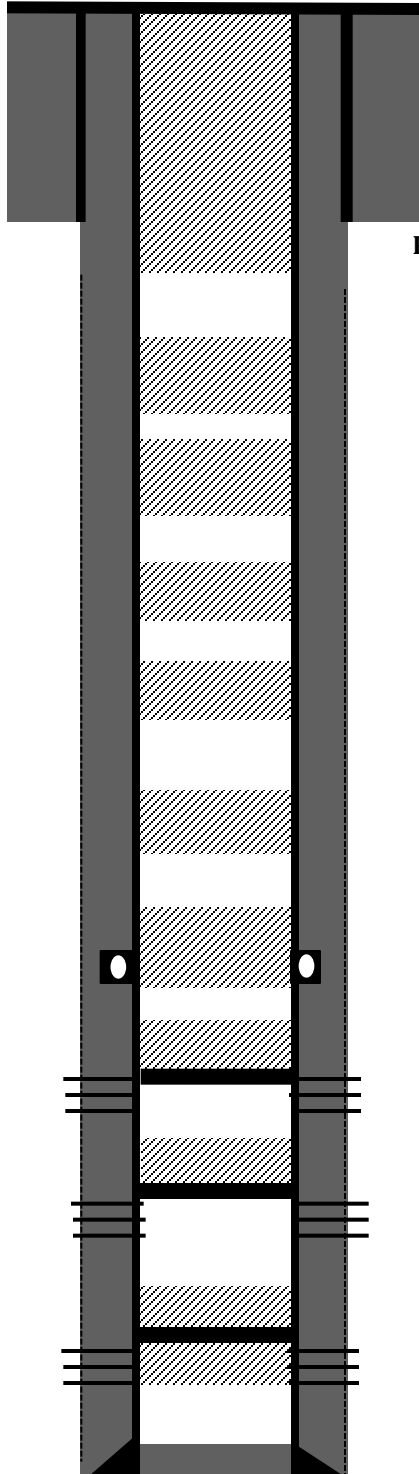
**2-3/8", 4.7# tubing set at 6138'**

**Graneros Perforated @ 6104'-6154'**

**4 1/2" 10.5 # casing @ 6415', Hole size 7-7/8"**

**Planned P & A Schematic**

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 X, Inside 4 ½" casing, 24 sks, 27.6 Cu.ft, Surface casing shoe, 0-270'.**

**Plug IX, Inside 4 ½" casing, 32 sks, 36.8 Cu.ft, Ojo Alamo-Kirtland, 786'-1180'**

**Plug VIII, Inside 4 ½" casing, 30 sks, 34.5 Cu.ft, Fruitland-Pictured Cliffs, 1406'-1767'**

**Plug VII, Inside 4 ½" casing, 12 sks, 13.8 Cu.ft, Upper Chacra, 2410'-2560'**

**Plug VI, Inside 4 ½" casing, 12 sks, 13.8 Cu.ft, Lower Chacra, 2880'-3030'**

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 4 ½" casing, 12 sks, 13.8 Cu.ft, Mesaverde, 3538'-3688'**

**Plug IV, Inside 4 ½" casing, 24 sks, 27.6 Cu.ft, Mancos-DV, 4169'-4475'**

**CIBP @ 5798'. Plug III, Inside 4 ½" casing, 12 sks, 13.8 Cu.ft, Upper Gallup Top & Perforations, 4980'-5130'**

**Upper Gallup Perforations @ 5180'-5444'**

**CIBP @ 5798'. Plug II, Inside 4 ½" casing, 12 sks, 13.8 Cu.ft, Lower Gallup Perforations, 5648'-5798'**

**Lower Gallup Perforations @ 5848'-5858'**

**Cement Retainer @ 6054'. Plug I, Inside 4 ½" casing, 32 sks (36.8 Cu.ft), Greenhorn-Graneros-Dakota, 5904'-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**

**Formation Tops**

- **Surface Casing – 220'**
- **Ojo Alamo – 886'**
- **Kirtland – 1130'**
- **Fruitland – 1506'**
- **Pictured Cliffs – 1717'**
- **Lewis – 1803'**
- **Chacra Upper– 2510'**
- **Chacra Lower – 2980'**
- **Mesaverde – 3638'**
- **Mancos – 4269'**
- **DV tool – 4425'**
- **Gallup – 5166'**
- **Upper Gallup perforations – 5180'-5444'**
- **Lower Gallup perforations – 5848'-5858'**
- **Greenhorn – 6100'**
- **Greenhorn Perforations – 6104'-6154'**
- **Graneros – 6165'**
- **Dakota – 6249'**



# United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
Farmington District Office  
6251 College Boulevard, Suite A  
Farmington, New Mexico 87402  
<http://www.blm.gov/nm>



## CONDITIONS OF APPROVAL

January 29, 2025

### Notice of Intent – Plug and Abandonment

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**Operator:** Dugan Production Corporation  
**Lease:** 14-20-0603-1405  
**Well(s):** Blanco Wash 4, US Well # 30-045-22938  
**Location:** Sec 2 T24N R9W (San Juan County, NM)  
**Sundry Notice ID #:** 2832885

The Notice of Intent to Plug and Abandon is accepted with the following Conditions of Approval (COA):

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
2. The following modifications to your plugging program are to be made:
  - a. Modify Plug 5 so the TOC is 2880' and the BOC is 3030' to account for the BLM geologist's pick for the Cliffhouse formation top at 2980'.
  - b. Modify Plug 6 so the TOC is 2432' and the BOC is 2582' to account for the BLM geologist's pick for the Lower Chacra formation top at 2532'.
  - c. Modify Plug 8 so the TOC is 1260' and the BOC is 1780' to account for the BLM geologist's pick for the Pictured Cliffs formation top at 1730', and for the Fruitland formation top at 1360'.
3. **Notification:** Farmington Office is to be notified at least 24 hours before the plugging operations commence at (505) 564 7750.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.

K. Rennick 1/29/2025

**GENERAL REQUIREMENTS FOR  
PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES  
FARMINGTON FIELD OFFICE**

1.0 The approved plugging plans may contain variances from the following minimum general requirements.

1.1 Modification of the approved plugging procedure is allowed only with the prior approval of the Authorized Officer, Farmington Field Office.

1.2 Requirements may be added to address specific well conditions.

2.0 Materials used must be accurately measured. (densometer/scales)

3.0 A tank or lined pit must be used for containment of any fluids from the wellbore during plugging operations and all pits are to be fenced with woven wire. These pits will be fenced on three sides and once the rig leaves location, the fourth side will be fenced.

3.1 Pits are not to be used for disposal of any hydrocarbons. If hydrocarbons are present in the pit, the fluids must be removed prior to filling in.

4.0 All cement plugs are to be placed through a work string. Cement may be bull-headed down the casing with prior approval. Cement caps on top of bridge plugs or cement retainers may be placed by dump bailer.

4.1 The cement shall be as specified in the approved plugging plan.

4.2 All cement plugs placed inside casing shall have sufficient volume to fill a minimum of 100' of the casing, or annular void(s) between casings, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.3 Surface plugs may be no less than 50' in length.

4.4 All cement plugs placed to fill annular void(s) between casing and the formation shall be of sufficient volume to fill a minimum of 100' of the annular space plus 100% excess, calculated using the bit size, or 100' of annular capacity, determined from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.5 All cement plugs placed to fill an open hole shall be of sufficient volume to fill a minimum of 100' of hole, as calculated from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug. In the absence of a caliper log, an excess of 100% shall be required.

**4.6 A cement bond log or other accepted cement evaluation tool is required to be run if one had not been previously ran or cement did not circulate to surface during the original casing cementing job or subsequent cementing jobs.**



5.0 All cement plugs spotted across, or above, any exposed zone(s), when; the wellbore is not full of fluid or the fluid level will not remain static, and in the case of lost circulation or partial returns during cement placement, shall be tested by tagging with the work string.

- 5.1 The top of any cement plug verified by tagging must be at or above the depth specified in the approved plan, without regard to any excess.
- 5.2 Testing will not be required for any cement plug that is mechanically contained by use of a bridge plug and/or cement retainer, if casing integrity has been established.
- 5.3 Any cement plug which is the only isolating medium, for a fresh water interval or a zone containing a prospectively valuable deposit of minerals, shall be tested by tagging.
- 5.4 If perforations are required below the surface casing shoe, a 30 minute minimum wait time will be required to determine if gas and/or water flows are present. If flow is present, the well will be shut-in for a minimum of one hour and the pressure recorded. Short or long term venting may be necessary to evacuate trapped gas. **If only a water flow occurs with no associated gas, shut well in and record the pressures. Contact the Engineer as it may be necessary to change the cement weight and additives.**

6.0 Before setting any cement plugs the hole needs to be rolled. All wells are to be controlled by means of a fluid that is to be of a weight and consistency necessary to stabilize the wellbore. This fluid shall be left in place as filler between all plugs.

- 6.1 Drilling mud may be used as the wellbore fluid in open hole plugging operations.
- 6.2 The wellbore fluid used in cased holes shall be of sufficient weight to balance known pore pressures in all exposed formations.

7.0 A blowout preventer and related equipment (BOPE) shall be installed and tested prior to working in a wellbore with any exposed zone(s); (1) that are over pressured, (2) where the pressures are unknown, or (3) known to contain H<sub>2</sub>S.

8.0 Within 30 days after plugging work is completed, file a Sundry Notice, Subsequent Report of Abandonment (Form 3160-5), through the Automated Fluid Minerals Support System (AFMSS) with the Field Manager, Bureau of Land Management, 6251 College Blvd., Suite A, Farmington, NM 87402. The report should show the manner in which the plugging work was carried out, the extent, by depth(s), of cement plugs placed, and the size and location, by depth(s), of casing left in the well. Show date well was plugged.

9.0 All permanently abandoned wells are to be marked with a permanent monument as specified in 43 CFR 3162.6(d). Unless otherwise approved.

10.0 If this well is located in a Specially Designated Area (SDA), compliance with the appropriate seasonal closure requirements will be necessary.

All of the above are minimum requirements. Failure to comply with the above conditions of approval may result in an assessment for noncompliance and/or a Shut-in Order being issued pursuant to 43 CFR 3163.1. You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to administrative review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.

**BLM - FFO - Geologic Report****Date Completed:** Jan. 28 2025

Well No.	<b>Blanco Wash #4</b>	Surf. Loc.	<b>790</b>	FNL	<b>790</b>	FEL
API	<b>30-045-22938</b>		<b>T. 24 N</b>	<b>R. 9 W</b>	Section	<b>2</b>
Operator	<b>Dugan Production Corp</b>	County	<b>San Juan</b>		State	<b>NM</b>
Elevation (KB)	<b>6570</b>					
Lease #	<b>N/A</b>					

Geologic Formations	Tops	Remarks
Ojo Alamo	887	F/W Sands
Kirtland	1059	
Fruitland	1360	Coal, Gas
Pic. Cliffs	1730	Gas
Lewis	1810	
Upper Chacra	2160	
Lower Chacra	2532	Gas
Cliffhouse	2980	
Menefee	3210	
Pt. Lookout	4149	
Mancos	4345	Oil, Gas
Gallup	5166	Oil, Gas
Greenhorn	5955	
Graneros	6101	
Dakota	6253	Gas

**Remarks:** Adjust plug V to cover BLM-picked Cliffhouse Formation. Adjust plug VI to adjust BLM-picked Lower Chacra. Adjust Plug VII to cover BLM-picked Fruitland/Pictured Cliffs.

Completed by Alek Knapowski

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 426883

CONDITIONS

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 426883
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	tribal - approved for record only	1/31/2025