

Well Name: WITTY	Well Location: T23N / R10W / SEC 12 / SWNE / 36.244034 / -107.84433	County or Parish/State: SAN JUAN / NM
Well Number: 2	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM16762	Unit or CA Name:	Unit or CA Number:
US Well Number: 300452598100S1	Operator: DUGAN PRODUCTION CORPORATION	

Notice of Intent

Sundry ID: 2863292

Type of Submission: Notice of Intent	Type of Action: Plug and Abandonment
Date Sundry Submitted: 07/15/2025	Time Sundry Submitted: 11:47
Date proposed operation will begin: 08/03/2025	

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

- Witty_2_Rec_Plan_7_2_25_20250715114040.pdf
- Witty_2_proposed_PA_formation_tops_20250715112846.pdf
- Witty_2_proposed_PA_planned_wellbore_schematic_20250715112831.pdf
- Witty_2_proposed_PA_current_wellbore_schematic_20250715112818.pdf
- Witty_2_proposed_PA_planned_work_20250715112803.pdf

Received by OCD: 7/24/2025 7:36:33 AM

Page 2 of 12

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Conditions of Approval

Additional

2863292_NOI_PnA_Witty_2_3004525981_MHK_07.23.2025_20250723172937.pdf
General_Requirement_PxA_20250723171851.pdf
Witty_2_Geo_Rpt_20250723144534.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: JUL 15, 2025 11:46 AM

Name: DUGAN PRODUCTION CORPORATION

Title: Authorized Representative

Street Address: PO BOX 420

City: FARMINGTONState: NM

Phone: (505) 325-1821

Email address: TYRAFEIL@DUGANPRODUCTION.COM

Field

Representative Name: Aliph Reena

Street Address: PO Box 420

City: FarmingtonState: NMZip: 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: Approved

Disposition Date: 07/23/2025

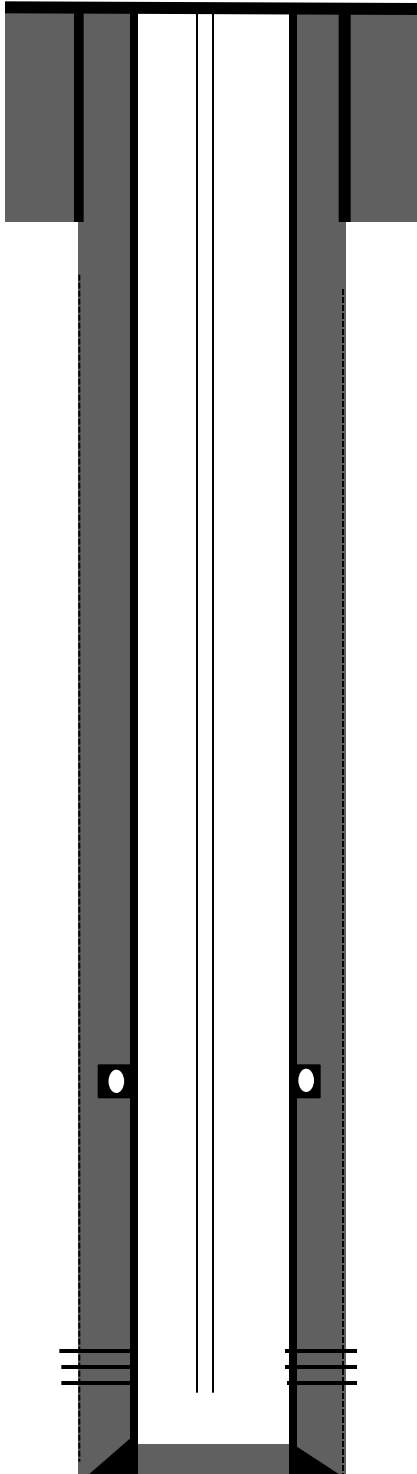
Signature: Matthew Kade

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

- PU & tally 2-3/8" workstring. Run 4½" casing scraper to 4150'. RIH & set 4½" cement retainer @ 4123'. Gallup perforations @ 4173'-4869'.
- Load and circulate hole and Run CBL from 4123' to surface. All plugs are designed assuming cement behind casing to surface. Will make necessary changes to the plugs after reviewing the CBL.
- **Plug I:** Sting in the cement retainer. Attempt to squeeze Gallup perforations with 20 sks, 23 cu ft Class G neat cement below the cement retainer. Sting out. Spot Plug I inside 4½" casing from 4123' on top of the CR to cover till 3665' w/36 sks (41.4 cu ft) Class G cement to cover the Gallup perforations, Gallup top, Mancos Top & DV tool. Total cement for plug 56 sks, 64.4 cu ft. **Plug I, Inside 4½" casing, 56 sks, 64.4 cu ft, Gallup perforations-Gallup top-Mancos top & DV tool, 4665'-4173'.**
- **Plug II:** Spot Plug II inside 4½" casing from 2112' to 1420' w/54 sks (62.1 cu ft) Class G cement to cover the Mesaverde, Lower Chacra & Upper Chacra tops. **Plug II, Inside 4½" casing, 54 sks, 62.1 cu ft, Mesaverde-Lower Chacra & Upper Chacra, 1420'-2112'.**
- **Plug III:** Spot Plug III inside 4½" casing from 1330' to 793' w/42 sks, 48.3 cu ft Class G cement to cover the Pictured Cliffs & Fruitland tops. **Plug III, Inside 4½" casing, 42 sks, 48.3 cu ft, Pictured Cliffs – Fruitland, 793'-1330'.**
- **Plug IV:** Spot Plug IV inside 4½" casing from 562' to surface w/46 sks (52.9 cu ft) Class G cement to cover the Kirtland-Ojo Alamo, Surface casing shoe to surface. **Plug IV, Inside 4½" casing, 46 sks, 52.9 cu ft, Kirtland-Ojo Alamo-Surface Casing-Surface, 0'-562'.**
- Cut wellhead. Tag TOC at surface. Fill cement in case needed.
- Install dryhole marker. Clean location.

Current Wellbore Schematic

Witty #2
30-045-25981
Bisti S-Gallup (O)
1670' FNL & 1720' FEL
G-S12-T23N-R10W
San Juan County, NM
Lat: 36.244240, Long -107.845136



8 5/8" 24# casing @ 201'. Hole size 12 1/4 "
Cement w/ 135 sks class B +2% CaCl₂ (159 cu ft) Circ 2 bbls
cement to surface

DV Tool @ 3792'

1st stage: 230 sks 50/50 B-Poz with 2% gel and 1/4 # celloflake/sack, mixed at 13.4#/ gal Had good circulation and full returns throughout job. Displaced with 17 bbls water and 62 bbls mud. (292 cf./ 230sks)

2nd Stage: 410 sacks 65/35 B-Poz with 12% gel and 1/4 # celloflake.per sack, followed by 80 sacks 50/50 B-Poz with 2% gel and 1/4 # cello-flake per sack. Displaced with 60 bbls fresh water(1008 cf/ 410 sks).Total cement slurry 1300 cf./ 640 sks Circ approx. 1/2 bbl of cement to surface.

2-3/8", J-55 tubing to 4781'

Gallup Perforated @ 4173'-4869'

4 1/2" 10.5# casing @ 5024'. Hole size 7 7/8 "

Witty #2

30-045-25981

Bisti S-Gallup (O)

1670' FNL & 1720' FEL

G-S12-T23N-R10W

San Juan County, NM

Lat: 36.244240, Long -107.845136

Elevation ASL : 6805' GL, 6817' KB

Formation Tops (Operator Submitted)

- *Surface Casing* - 201'
- Ojo Alamo - 388'
- Kirtland - 512'
- Fruitland - 893'
- Pictured Cliffs - 1230'
- Lewis - 1345'
- Upper Chacra - 1520'
- Lower Chacra - 1875'
- Mesaverde - 2062'
- Mancos - 3765'
- DV tool - 3792'
- Gallup - 4035'
- Gallup Perfs - 4173'-4869'



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

July 23, 2025

Notice of Intent - Plug and Abandonment

Operator: Dugan Production Corporation
Lease: NMNM16762
Well(s): Witty 2, API # 30-045-25981
Location: SWNE Sec 12 T23N R10W (San Juan County, NM)
Sundry Notice ID#: 2863292

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 made:**
 - a. Adjust Plug 1 (Gallup/Mancos/DV Tool) TOC to 3618' to cover BLM Geologist's Mancos formation top pick @ 3718'. Plug 1 should at a minimum cover from CICR @ 4123' up to 3668'.
 - b. Adjust Plug 2 (Mesaverde/Chacra) BOC to 2268' to cover BLM Geologist's Cliffhouse formation top pick @ 2218'. May adjust TOC to 1448' to cover BLM Geologist's Upper Chacra formation top pick @ 1548'. Plug 2 should at a minimum cover 1498' – 2268'.
 - c. Adjust Plug 3 (Picture Cliffs/Fruitland) TOC to 618' to cover BLM Geologist's Fruitland formation top pick @ 718'. May adjust BOC to 1228' to cover BLM Geologist's Picture Cliffs formation top pick @ 1178'. Plug 3 should at a minimum cover 668' – 1228'.
 - d. Adjust Plug 4 (Kirtland/Ojo/Surface) BOC to 598' to cover BLM Geologist's Kirtland Formation top pick @ 548'. Plug 4 should cover at a minimum surface to 598'.
3. **Notification:** Farmington Field Office is to be notified at least 24 hours before the plugging operations commence at (505) 564-7750.
4. **Deadline of Completion of Operations:** Complete the plugging operation before July 23, 2026. If unable to meet the deadline, notify the Bureau of Land Management's Farmington Field Office prior to the deadline via Sundry Notice (Form 3160-5) Notice of Intent detailing the reason for the delay and the date the well is to be plugged.

**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 H₂S.

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) and 43 CFR 3172.12(a)(10). 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.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements. Any estimated minimum sacks provided in procedure modification include necessary excesses.

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

Matthew Kade (mkade@blm.gov/505-564-7736) / Kenny Rennick (krennick@blm.gov/505-564-7742)

BLM - FFO - Geologic Report**Date Completed**

7/23/2025

Well No.	Witty 2	Surf. Loc.	1670	FNL	1720	FEL
Lease No.	NMNM16762	Sec	12	T23N	R10W	

US Well No.	3004525981					
Operator	Dugan Production Corp.	County	San Juan	State	New Mexico	
TVD	5025	PBTD	4950	Formation	Bisti S-Gallup	
Elevation	GL		6805	Elevation	Est. KB	6817

Geologic Formations	Est. tops	Subsea Elev.	Remarks
Nacimiento Fm.	Surface	0	Surface /fresh water sands
Ojo Alamo Ss	348	6469	Fresh water aquifer
Kirtland Fm.	548	6269	
Fruitland Fm.	718	6099	Coal/gas/possible water
Pictured Cliffs	1178	5639	Possible gas/water
Lewis Shale	1323	5494	Source rock
Huerfanito Bentonite	1433	5384	Reference bed
Chacra (Upper)	1548	5269	Possible gas/water
Chacra (Lower)	1853	4964	Possible gas/water
La Ventana Member	1928	4889	Possible gas/water
Cliff House Ss	2218	4599	Possible gas/water
Menefee Fm.	2523	4294	Coal/water/possible gas
Point Lookout Fm.	3578	3239	Possible gas/water
Mancos Shale	3718	3099	Source rock
DV Tool	3792	3025	
Gallup	4538	2279	Oil & gas

Remarks:Reference Well:

- Vertical wellbore, all formation depths are TVD from KB at the wellhead.
- Modify Plug 1: Move the TOC to 3618' to cover the BLM geologist's pick for the Mancos.
- Modify Plug 2 to cover the BLM geologist's pick for the Cliff House . Make the BOC 2268'.
- Modify Plug 3: Move the TOC to 618' to cover the BLM geologist's pick for the Fruitland.
- Modify Plug 4 to cover the BLM geologist's pick for the Kirtland. Make the BOC 598'.

Dugan Production Corp.
 Champ No. 9
 790' FSL, 1980' FEL, Sec 10-T23W-R10W
 3004529287
 GL= 6837', KB= 6849'

Prepared by: Walter Gage

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 488326

CONDITIONS

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 488326
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
loren.diede	Notify the OCD inspection supervisor via email 24 hours prior to beginning Plug & Abandon (P&A) operations.	7/29/2025
loren.diede	A Cement Bond Log (CBL) is required to be submitted to electronic permitting.	7/29/2025
loren.diede	Submit a photo and GPS coordinates of the P&A marker with the subsequent P&A reports.	7/29/2025
loren.diede	NMOCD formation top picks for the following formations vary from BLM, NMOCD picks are: Nacimiento = 418', Fruitland = 904', Pictured Cliffs = 1200', Cliffhouse = 1988', Gallup = 4407'.	7/29/2025