

Well Name: WEST BISTI UNIT	Well Location: T26N / R13W / SEC 18 / SESW / 36.482697 / -108.261932	County or Parish/State: SAN JUAN / NM
Well Number: 104	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM013492	Unit or CA Name: WEST BISTI UNIT	Unit or CA Number: NMNM78448X
US Well Number: 300450581100S1	Operator: DUGAN PRODUCTION CORPORATION	

Notice of Intent

Sundry ID: 2810371

Type of Submission: Notice of Intent	Type of Action: Plug and Abandonment
Date Sundry Submitted: 09/05/2024	Time Sundry Submitted: 07:39
Date proposed operation will begin: 10/01/2024	

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

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- WBU_104_PA_Rec_Plan_20240905073751.pdf
- WBU_104_proposed_PA_formation_tops_20240905073653.pdf
- WBU_104_proposed_PA_planned_wellbore_schematic_20240905073643.pdf
- WBU_104_proposed_PA_current_wellbore_schematic_20240905073607.pdf
- WBU_104_proposed_PA_planned_work_20240905073558.pdf

Received by OCD: 9/10/2024 11:24:29 AM

Page 2 of 11

Well Name: WEST BISTI UNIT	Well Location: T26N / R13W / SEC 18 / SESW / 36.482697 / -108.261932	County or Parish/State: SAN JUAN / NM
Well Number: 104	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM013492	Unit or CA Name: WEST BISTI UNIT	Unit or CA Number: NMNM78448X
US Well Number: 300450581100S1	Operator: DUGAN PRODUCTION CORPORATION	

Conditions of Approval

Additional

General_Requirement_PxA_20240909152401.pdf
2810371_NOIA_104_3004505811_KR_09092024_20240909152351.pdf
West_Bisti_Unit_No_104_Geo_Rpt_20240909130244.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: SEP 05, 2024 07:38 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: DAVE J MANKIEWICZ

BLM POC Title: AFM-Minerals

BLM POC Phone: 5055647761

BLM POC Email Address: DMANKIEW@BLM.GOV

Disposition: Approved

Disposition Date: 09/10/2024

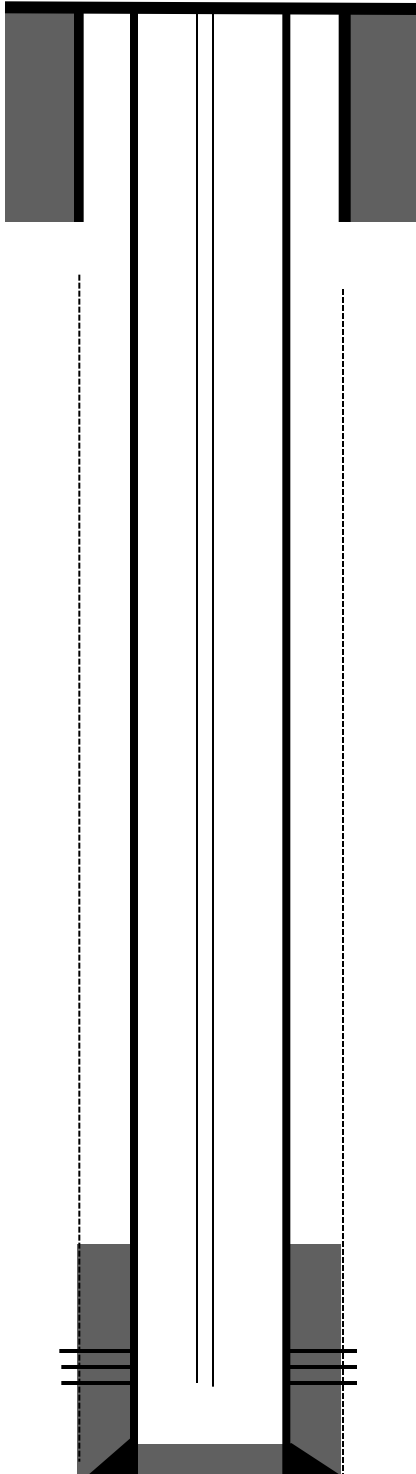
Signature: Dave J Mankiewicz

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

- Check string pressures daily. ND WH & NU BOP. LD rods and production tubing.
- PU and tally 2-3/8" workstring. Run 5½" string mill to 5320'. Gallup perforations are at 5346'-5364'.
- Set 5½" CIBP @ 5296'. Load and circulate hole. Attempt to pressure test casing to 650 psi for 30 minutes.
- TOC behind casing from temperature survey at 4620'. All plugs are designed based on the temperature survey. Open hole size assumed to be 7-7/8".
- Spot Plug I above BP inside 5½" casing from 5296' to 5133' w/20 sks (23 cu ft) Class G cement (1.15 cu ft/sk, 15.8#/gal) to cover the Gallup top & Gallup perforations. **Plug I, inside 5½" casing, 20 sks, 23 cu ft, Gallup top & Gallup perforations, 5133'-5296'.**
- Shoot squeeze holes at 4372'. Set 5½" CR at 4322'. Spot Plug II inside/outside 5½" casing from 4372' to 4222' w/48 sks (55.2 cu ft) Class G cement to cover the Mancos top (30 sks, 34.5 cu ft outside, 18 sks, 20.7 cu ft inside casing). **Plug II, inside/outside 5½" casing, perforations at 4372', CR at 4322', 48 sks, 55.2 cu ft, Mancos, 4222'-4372'.**
- Shoot squeeze holes at 3198'. Set 5½" CR at 3148'. Spot Plug III inside/outside 5½" casing from 3198' to 3048' w/48 sks (55.2 cu ft) Class G cement to cover the Mesaverde top (30 sks, 34.5 cu ft outside, 18 sks, 20.7 cu ft inside casing). **Plug III, inside/outside 5½" casing, perforations at 3198', CR at 3148', 48 sks, 55.2 cu ft, Mesaverde, 3048'-3198'.**
- Shoot squeeze holes at 2570'. Set 5½" CR at 2520'. Spot Plug IV inside/outside 5½" casing from 2570' to 2420' w/48 sks (55.2 cu ft) Class G cement to cover the Chacra top (30 sks, 34.5 cu ft outside, 18 sks, 20.7 cu ft inside casing). **Plug IV, inside/outside 5½" casing, perforations at 2570', CR at 2520', 48 sks, 55.2 cu ft, Chacra, 2420'-2570'.**
- Shoot squeeze holes at 1720'. Set 5½" CR at 1670'. Spot Plug V inside/outside 5½" casing from 1720' to 1570' w/48 sks (55.2 cu ft) Class G cement to cover the Pictured Cliffs top (30 sks, 34.5 cu ft outside, 18 sks, 20.7 cu ft inside casing). **Plug V, inside/outside 5½" casing, perforations at 1720', CR at 1670', 48 sks, 55.2 cu ft, Pictured Cliffs, 1570'-1720'.**
- Shoot squeeze holes at 1040'. Set 5½" CR at 990'. Spot Plug VI inside/outside 5½" casing from 1040' to 890' w/48 sks (55.2 cu ft) Class G cement to cover the Fruitland top (30 sks, 34.5 cu ft outside, 18 sks, 20.7 cu ft inside casing). **Plug VI, inside/outside 5½" casing, perforations at 1040', CR at 990', 48 sks, 55.2 cu ft, Fruitland, 890'-1040'.**
- Shoot squeeze holes at 650'. Set 5½" CR at 600'. Spot Plug VII inside/outside 5½" casing from 650' to 500' w/48 sks (55.2 cu ft) Class G cement to cover the Kirtland top (30 sks, 34.5 cu ft outside, 18 sks, 20.7 cu ft inside casing). **Plug VII, inside/outside 5½" casing, perforations at 650', CR at 600', 48 sks, 55.2 cu ft, Kirtland, 500'-650'.**
- Shoot squeeze holes at 330'. Establish circulation to surface through BH. Spot & squeeze Plug VIII inside/outside 5½" casing from 330' to surface to circulate cement to surface through BH to cover the Ojo Alamo top & Surface casing shoe w/140 sks, 161 cu ft Class G neat cement (100 sks, 115 cu ft outside, 40 sks, 46 cu ft inside casing). Circulate cement to surface. **Plug VIII, inside/outside 5½" casing, perforations at 330', 140 sks, 161 cu ft, 0-330'.**
- Cut wellhead. Tag TOC at surface. Fill cement in case needed.
- Install dry hole marker. Clean location.

Current Wellbore Schematic

West Bisti Unit #104
API; 30-045-05811
Sec 18 T26N R13W
660' FSL & 2494' FWL, Bisti Lower Gallup
San Juan, NM
Lat: 36.482990, Long: -108.262438



10 3/4" 35.75# casing set at 215'. Cemented with 250 sks.

Cemented Stage 200 sks. TOC from temperature survey at 4620'.

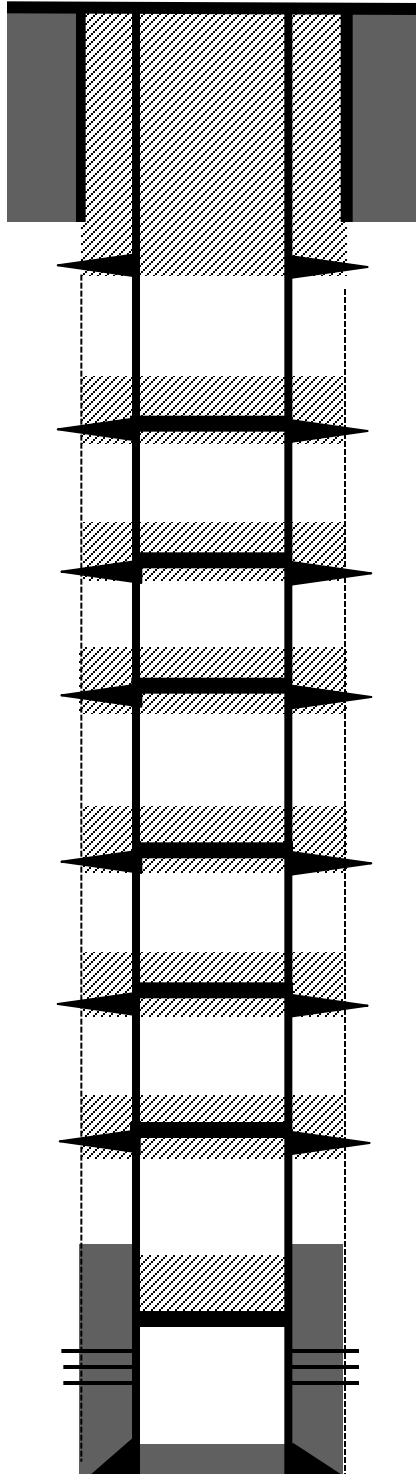
2-3/8" tubing at 5382'

Gallup Perforated @ 5346'-5364'

5 1/2" 14 # casing @ 5437'

Planned P & A Schematic

West Bisti Unit #104
 API; 30-045-05811
 Sec 18 T26N R13W
 660' FSL & 2494' FWL, Bisti Lower Gallup
 San Juan, NM
 Lat: 36.482990, Long: -108.262438



10 3/4" 35.75# casing set at 215'. Cemented with 250 sks.

Plug VIII, Inside/Outside 5 1/2" casing, Perforations at 330', 140 sks, 161 Cu.ft, 0-330'

Plug VII, Inside/Outside 5 1/2" casing, Perforations at 650', CR at 600', 48 sks, 55.2 Cu.ft, Kirtland, 500'-650'

Plug VI, Inside/Outside 5 1/2" casing, Perforations at 1040', CR at 990', 48 sks, 55.2 Cu.ft, Fruitland, 890'-1040'

Plug V, Inside/Outside 5 1/2" casing, Perforations at 1720', CR at 1670', 48 sks, 55.2 Cu.ft, Pictured Cliffs, 1570'-1720'

Plug IV, Inside/Outside 5 1/2" casing, Perforations at 2570', CR at 2520', 48 sks, 55.2 Cu.ft, Chacra, 2420'-2570'

Plug III, Inside/Outside 5 1/2" casing, Perforations at 3198', CR at 3148', 48 sks, 55.2 Cu.ft, Mesaverde, 3048'-3198'

Plug II, Inside/Outside 5 1/2" casing, Perforations at 4372', CR at 4322', 48 sks, 55.2 Cu.ft, Mancos, 4222'-4372'

Cemented Stage 200 sks. TOC from temperature survey at 4620'.

Set CIBP @ 5296'. Plug I, Inside 5 1/2" casing, 20 sks, 23 Cu.ft, Gallup top & Gallup perforations, 5133'-5296'

Gallup Perforated @ 5346'-5364'

5 1/2" 14 # casing @ 5437'

West Bisti Unit #104
API; 30-045-05811
Sec 18 T26N R13W
660' FSL & 2494' FWL, Bisti Lower Gallup
San Juan, NM
Lat: 36.482990, Long: -108.262438

Elevation ASL : 6529'

Formation Tops (Operator)

- **Surface Casing - 215'**
- **Ojo Alamo - 280'**
- **Kirtland - 600'**
- **Fruitland - 990'**
- **Pictured Cliffs - 1670'**
- **Lewis - 1758'**
- **Chacra - 2520'**
- **Mesaverde - 3148'**
- **Mancos - 4322'**
- **Gallup - 5233'**
- **Perforations - 5346'-5364'**

**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
6251 COLLEGE BLVD.
FARMINGTON, NEW MEXICO 87402**

AFMSS 2 Sundry ID 2810371

Attachment to notice of Intention to Abandon

Well: West Bisti Unit 104

CONDITIONS OF APPROVAL

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 the Plug 1 TOC to 5050' to account for the BLM geologist's pick for the Gallup.
 - b. Combine Plugs 7 & 8 to account for the BLM geologists picks for the Kirtland and Ojo Alamo tops: 420' for the Kirtland and unknown for the Ojo Alamo. Place the perforations at 470', the cement retainer at 420' and the TOC at the surface.
3. 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 09/09/2024

**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). 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

Well No. West Bisti Unit No 104				Date Completed 9/9/2024		
Lease No. NMSF013492				Surf. Loc. 660	FSL 2494	FWL
Agrmt: NMNM78448X				Sec 18	T26N	R13W
Operator: Dugan Production				County San Juan	State	New Mexico
TVD 5438		PBTD 5399	Formation Bisti Lower Gallup			
Elevation GL 6522		Elevation Est. KB 6529		(Estimated)		

Geologic Formations	Est. tops	Subsea Elev.	Remarks
Nacimiento Fm.	Surface		Surface /fresh water sands
Ojo Alamo Ss	BSC		Fresh water aquifer
Kirtland Fm.	420	6109	
Fruitland Fm.	980	5549	Coal/gas/possible water
Pictured Cliffs	1670	4859	Possible gas/water
Lewis Shale (Main)	1758	4771	Source rock
Huerfanito Bentonite	1905	4624	Reference bed
Chacra (upper)	2005	4524	Possible gas/water
Lewis Shale Stringer	2290	4239	Source rock
Chacra (lower)	2520	4009	Possible gas/water
Lewis Shale Stringer	2735	3794	Source rock
La Ventana Member	2940	3589	Possible gas/water
Cliff House Ss	3148	3381	Possible gas/water
Menefee Fm.	4205	2324	Coal/water/possible gas
Point Lookout Fm.	4095	2434	Possible gas/water
Mancos Shale	4322	2207	Source rock
Gallup	5150	1379	Oil & gas

Remarks:

-Vertical wellbore, all formation depths are TVD from KB at the wellhead.
-BSC: Behind Surface Casing
-Modify the Plug 1 TOC to 5050' to account for the BLM geologist's pick for the Gallup.
-Combine Plugs 7 & 8 to account for the BLM geologists picks for the Kirtland and Ojo Alamo tops: 420' for the Kirtland and unknown for the Ojo Alamo. Place the perforations at 470', the cement retainer at 420' and the TOC at the surface.

Reference Well:

Same

Prepared by: Walter Gage

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 382156

CONDITIONS

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 382156
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	Agree with BLM formation tops - CBL required from CIBP - fruitland top 980 run cement to 880 - Notify NMOCD 24 hours prior to moving on - monitor string pressures daily report on subsequent - submit all logs prior to subsequent	9/18/2024