

U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Well Name: BALLYMALOE

Well Location: T23N / R7W / SEC 25 /
NESW / 36.195028 / -107.527928

County or Parish/State:
SANDOVAL / NM

Well Number: 2

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM28747

Unit or CA Name:

Unit or CA Number:

US Well Number: 300432067600S1

Operator: DUGAN PRODUCTION
CORPORATION

Notice of Intent

Sundry ID: 2802383

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 07/23/2024

Time Sundry Submitted: 09:25

Date proposed operation will begin: 07/25/2024

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

Ballymaloe_2_Rec_Plan_20240723092421.pdf

Ballymaloe_2_proposed_PA_formation_tops_20240723092337.pdf

Ballymaloe_2_proposed_PA_planned_wellbore_schematic_20240723092326.pdf

Ballymaloe_2_proposed_PA_current_wellbore_schematic_20240723092316.pdf

Ballymaloe_2_proposed_PA_planned_work_20240723092305.pdf

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Operator: DUGAN PRODUCTION
CORPORATION

Conditions of Approval

Specialist Review

2802383_NOIA_2_3004320676_KR_07232024_20240723095746.pdf

Ballymaloe_2_P_A_GeoReport_20240723095635.pdf

General_Requirement_PxA_20240723095611.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 23, 2024 09:22 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: 07/23/2024

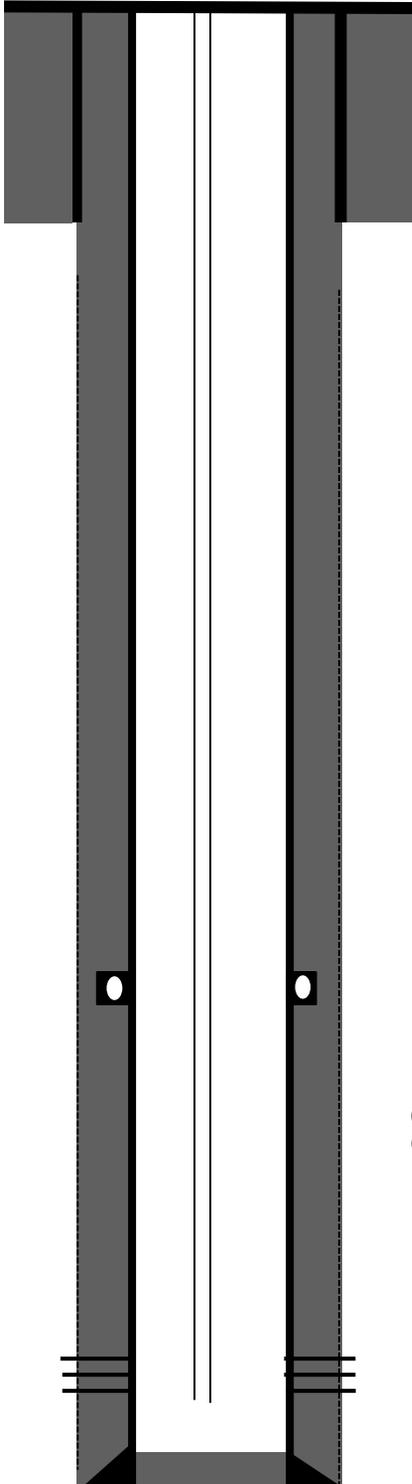
Signature: Kenneth Rennick

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

- PU & tally 2-3/8" workstring. TIH w 4½" string mill and run to 5130'.
- RIH & set 4½" a cement retainer @ 5125'. **Gallup perforations @ 5175'-5706'**.
- Load and circulate hole. Pressure test casing to 650 psi for 30 minutes.
- Run CBL from 5215' to surface. All plugs are designed assuming cement behind casing to surface. Will make necessary changes to the plugs after reviewing the CBL.
- Sting in CR and squeeze 12 sks Class G neat cement to cover the Gallup top below the CR. Sting out, and spot plug inside 4½" casing from 5215' to 4533' w/48 sks (55.2 cu ft) Class G cement to cover the Gallup perforations, Gallup top, DV tool & Mancos top. **Plug I, inside 4½" casing, 48 sks, 55.2 cu ft, Gallup perforations, Gallup top, DV tool, Mancos top, 4533'-5215'**.
- Spot Plug II inside 4½" casing from 3603' to 3453' w/12 sks (13.8 Cu ft) Class G cement to cover the Mesaverde top. **Plug II, inside 4½" casing, 12 sks, 13.8 cu ft, Mesaverde, 3453'-3603'**.
- Spot Plug III inside 4½" casing from 2510' to 2360' w/12 sks, 13.8 cu ft Class G neat cement to cover the Chacra top. **Plug III, inside 4½" casing, 12 sks, 13.8 cu ft, Chacra, 2360'-2510'**.
- Spot Plug IV inside 4½" casing from 1958' to 1348' w/48 sks, 55.2 cu ft Class G neat cement to cover the Pictured Cliffs-Fruitland-Kirtland-Ojo Alamo tops. **Plug IV, inside 4½" casing, 48 sks, 55.2 cu ft, Pictured Cliffs-Fruitland-Kirtland-Ojo Alamo, 1348'-1958'**.
- Spot Plug V inside 4½" casing from 276' to surface w/22 sks, 25.3 cu ft, Class G neat cement to cover the surface casing shoe. **Plug V, inside 4½" casing, 22 sks, 25.3 cu ft, Surface, 0'-276'**.
- Cut wellhead. Tag TOC at surface. Fill cement in case needed.
- Install dry-hole marker. Clean location.

Current Wellbore Schematic

Ballymaloe #2
API: 30-043-20676
Sec 25 T23N R07W
1840' FSL & 2280' FWL
Sandoval County, NM
Lat: 36.195405, Long:-107.527844



8-5/8", 24# casing @ 226'. Cemented with 135 sks Class B, 159 cu.ft.
Circulated trace cement to surface. **Hole size 12-1/4"**

Cemented Stage I w/ 200 sks 50-50 poz, 254 cu.ft. **DV tool @ 4642'**. Stage II w/ 550 sks
65/35/12 & 50 sks 50-50, 1291.5 Cu.ft. Total volume: 1545.5 Cu.ft.

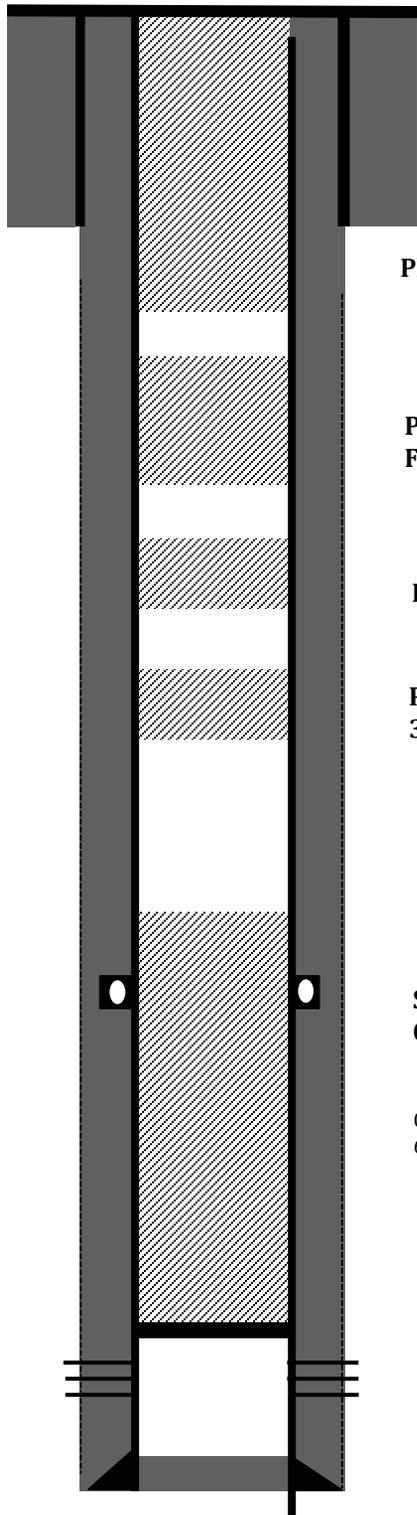
2-3/8" tubing at 5426'

Gallup perforations @ 5175'-5706'

4 1/2" 10.5 # casing @ 5773'

Planned P & A Schematic

Ballymaloe #2
API: 30-043-20676
Sec 25 T23N R07W
1840' FSL & 2280' FWL
Sandoval County, NM
Lat: 36.195405, Long:-107.527844



8-5/8", 24# casing @ 226'. Cemented with 135 sks Class B, 159 cu.ft.
Circulated trace cement to surface. **Hole size 12-1/4"**

Plug V, Inside 4 1/2" casing, 22 sks, 25.3 Cu.ft, Surface, 0'-276'

Plug IV, Inside 4 1/2" casing, 48 sks, 55.2 Cu.ft, Pictured Cliffs-Fruitland-Kirtland-Ojo Alamo, 1348'-1958'

Plug III, Inside 4 1/2" casing, 12 sks, 13.8 Cu.ft, Chacra, 2360'-2510'

Plug II, Inside 4 1/2" casing, 12 sks, 13.8 Cu.ft, Mesaverde, 3453'-3603'

Set 4 1/2" CIBP @ 5125'. Plug I, Inside 4 1/2" casing, 48 sks, 55.2 Cu.ft, Gallup Perforations, Gallup top, DV tool, Mancos top, 4533'-5215'

Cemented Stage I w/ 200 sks 50-50 poz, 254 cu.ft. **DV tool @ 4642'**. Stage II w/ 550 sks 65/35/12 & 50 sks 50-50, 1291.5 Cu.ft. Total volume: 1545.5 Cu.ft.

Gallup perforations @ 5175'-5706'

4 1/2" 10.5 # casing @ 5773'

Ballymaloe #2

API: 30-043-20676

Sec 25 T23N R07W

1840' FSL & 2280' FWL

Sandoval County, NM

Lat: 36.195405, Long:-107.527844

Elevation ASL : 7220'

Formation Tops

- **Surface Casing - 226'**
- **Ojo Alamo - 1448'**
- **Kirtland - 1649'**
- **Fruitland - 1794'**
- **Pictured Cliffs - 1908'**
- **Lewis - 2033'**
- **Chacra - 2460'**
- **Mesaverde - 3553'**
- **Mancos - 4633'**
- **DV tool - 4642'**
- **Gallup - 5236'**
- **Perforations - 5175'-5706'**

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

AFMSS 2 Sundry ID 2802383

Attachment to notice of Intention to Abandon

Well: Ballymaloe 2

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 Plug III, or add a plug, to account for the BLM formation top pick for the Chacra at 2870'.
 - b. For Plug IV, adjust the bottom of cement to 2120' to cover the BLM formation top pick for the Picture Cliffs at 2070'.
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 07/23/2024

**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.	Ballymaloe #2	Surf. Loc.	1840	Date Completed	7/19/2024
API	3004320676			FSL	2280
Operator	Dugan Production Corporation	T.	23 N	R.	07 W
Elevation	7220'	County	Sandoval	Section	25
				State	NM

Geologic Formations	Tops
Ojo Alamo	1448
Kirtland	1650
Fruitland	1760
Pic. Cliffs	2070
Lewis	2380
Chacra	2870
Cliffhouse	3553
Menefee	3567
Pt. Lookout	4410
Mancos	4633
Gallup	5548

Completed by Alek Knapowski

Comments: Please add cement to plug #3 down to 2,920' to cover the top of the Chacra formation and the first fifty feet.

Please add cement to Plug #4, down to 2120' to cover the top of the Pic. Cliffs and first fifty feet of the formation.

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 366434

CONDITIONS

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 366434
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	NMOCD agrees with BLM formation tops - and their comments as well - Notify NMOCD 24 hours prior to moving on - Monitor string pressures daily report on subsequent - Submit all logs prior to subsequent	7/23/2024