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

Sundry Print Report
06/26/2023

Well Name: DUNN	**Well Location:** T23N / R7W / SEC 4 / NENE / 36.259949 / -107.574081	**County or Parish/State:** RIO ARRIBA / NM
Well Number: 13	**Type of Well:** OIL WELL	**Allottee or Tribe Name:**
Lease Number: NMSF078272	**Unit or CA Name:**	**Unit or CA Number:**
US Well Number: 300392421900S1	**Well Status:** Producing Oil Well	**Operator:** EPIC ENERGY LLC

Notice of Intent

Sundry ID: 2736211

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 06/16/2023

Time Sundry Submitted: 09:33

Date proposed operation will begin: 06/16/2023

Procedure Description:

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

NOI__Dunn__13_20230616093143.pdf

105% search report

Well Name: DUNN
Well Location: T23N / R7W / SEC 4 / NENE / 36.259949 / -107.574081
County or Parish/State: RIO ARRIBA / NM

Well Number: 13
Type of Well: OIL WELL
Allottee or Tribe Name:

Lease Number: NMSF078272
Unit or CA Name:
Unit or CA Number:

US Well Number: 3003924219OOS1
Well Status: Producing Oil Well
Operator: EPIC ENERGY LLC

Conditions of Approval

Additional

PxA_23N07W04AKg_Dunn_013_20230623132115.pdf

Authorized

General_Requirement_PxA_20230623163629.pdf

2736211_NOIA_13_3003924219_KR_06232023_20230623163613.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: SHAWNA MARTINEZ
Signed on: JUN 16, 2023 09:33 AM

Name: EPIC ENERGY LLC

Title: Regulatory Tech

Street Address: 332 RD 3100

City: AZTEC **State:** NM

Phone: (505) 327-4892

Email address: SHAWNA@WALSHENG.NET

Field

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address:

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: 06/23/2023

Signature: Kenneth Rennick

P&A Procedure

EPIC Energy – Dunn #13

Lybrook Gallup

900' FNL & 960' FEL, Section 2, T23N, R7W

Rio Arriba County, New Mexico, API #30-039-24219

Plug & Abandonment Procedure:

Note: All cement volumes use 100% excess outside casing and 50' excess inside pipe. Stabilizing wellbore fluid will be 8.33 ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Class G neat 1.15 ft^3/sk or equivalent. If casing pressure tests tagging plugs will not be required. First stage TOC @ 4960'. DV tool at 4793'. Cement circulated on 2nd stage of production casing string. Volumes calculated off 4-1/2" 10.5# casing.

Prior to Mobilization

1. Notify BLM & NMOCD
2. Verify all cement volumes based on actual slurry to be pumped. Calculations based on 1.15 ft^3/sk.
3. Comply with all COA's from BLM and NMOCD

P&A Procedure

1. MIRU Service Unit and required cement equipment.
2. LD horse head. LD stuffing box and polished rods/pump (hot oil if necessary).
3. ND WH, NU BOP, RU rig floor and 2 3/8" handling tools.
4. POOH 2 3/8" production string set at 5639'.
    a. Scanning pipe while TOOH.
5. TIH with 4 ½" casing scraper to 5325'. TOOH LD 4 ½" scraper.
6. TIH with CICR and set @ 5298'. Roll hole with fresh water. PT tubing to 500 psi. PT casing to 500 psi.

1. **Plug #1, 5159' – 5298', (Perfs 5348' – 5639'):** Sting out of CICR, mix & spot 15 sxs (17.25 ft^3) of Class G neat cement on top of CICR in balanced plug. PU 200' above plug reverse circulate to clean tubing. WOC and tag plug if casing does not test. Re-spot cement if necessary.

2. **Plug #2, 4540' – 4843' (Mancos/DV tool):** Mix & spot 28 sx (32.2 ft^3) Class G neat cement in balanced plug. PU 100' above plug and reverse circulate tubing clean. WOC and tag plug if required. PT casing if previous test failed. Re-spot cement if necessary.

3. **Plug #3, 3540' – 3640' (Mesa Verde):** Mix & spot 12 sx (13.8 ft^3) Class G neat cement in balanced plug. PU 100' above plug and reverse circulate tubing clean. WOC and tag plug if required. PT casing if previous test failed. Re-spot cement if necessary.

4. **Plug #4, 1955' – 2055' (Chacra):** Mix & spot 12 sx (13.8 ft^3) Class G neat cement in balanced plug. PU 100' above plug and reverse circulate tubing clean. WOC and tag plug if required. PT casing if previous test failed. Re-spot cement if necessary.

5. **Plug #5, 1794' – 2132' (Fruitland/PC):** Mix and spot 31 sx (35.65 ft^3) Class G neat cement in balanced plug. PUH 100' above plug and reverse circulate tubing clean. WOC and tag plug if required. PT casing if previous test failed. Re-spot cement if necessary.

6. **Plug #6, 995' – 1240' (Ojo Alamo/Kirtland):** Mix and spot 21 sx (24.15 ft^3) Class G neat cement in balanced plug. PUH 100' above plug and reverse circulate tubing clean. WOC and tag plug if required. PT casing if previous test failed. Re-spot cement if necessary.

7. **Plug #7, Surface – 277' (8-5/8" Shoe @ 227'):** Mix and pump 22 sx (25.3 ft^3) or until cement circulates to surface. Top off cement as necessary.

7. ND BOP and cut off wellhead below surface casing flange, top off casing and annulus as necessary. Install P&A marker and cut off and/or remove anchors. RD, MOL - Restore location per BLM stipulations. Take pictures from all cardinal directions. Ensure to notify project management of all remaining equipment on location once plugging is complete.

Kyle T. Mason
Engineer

Dunn #13

Current Status

Lybrook Gallup

900' FNL & 960' FEL, Section 2, T23N, R7W, Rio Arriba, NM

API: 30-039-24219

Today's Date: 6/14/2023
Spud: 6/23/1988
Completed: 7/26/1988

Elevation: 7029' GL

Nacimiento @ surface
Ojo Alamo @ 1468'
Kirtland @ 1582'

Fruitland @ 1844'

Pictured Cliffs @ 2082'

Chacra @ 2505'

Mesa Verde @ 3590'

PLO @ 4436'

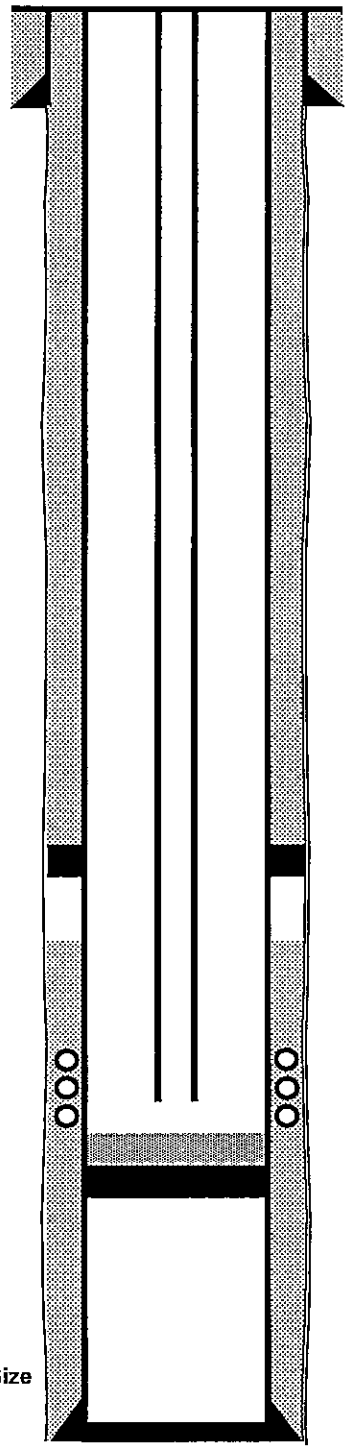
Mancos @ 4590'

Gallup @ 5209'

Upper Graneros @ 6432'

Lower Graneros @ 6518'

Hole Size
7.875"



Hole Size: 12-1/4"
8-5/8", 23.0#, Casing set @ 227'
Cement with 155 sks (183 cf). Circ 3 bbls to surface

DV Tool at 4793'
TOC @ 4960'

2-3/8" tubing set at 5639'

Gallup Perforations:
5348'-5643' (12 holes total)

4-1/2" 10.5# J-55 casing @ 6590'. DV tool @ 4793'
Stage #1: 420 sxs Class H (578 cf) Did not circulate cement off tool
Stage #2: 1055 sxs 65/35 (1878 cf) Cicrulated 49 bbls to surface

PBTD: 5704'
TD: 6593'

Dunn #13

Proposed P&A

Lybrook Gallup

900' FNL & 960' FEL, Section 2, T23N, R7W, Rio Arriba, NM

API: 30-039-24219

Today's Date: 6/14/2023
Spud: 6/23/1988
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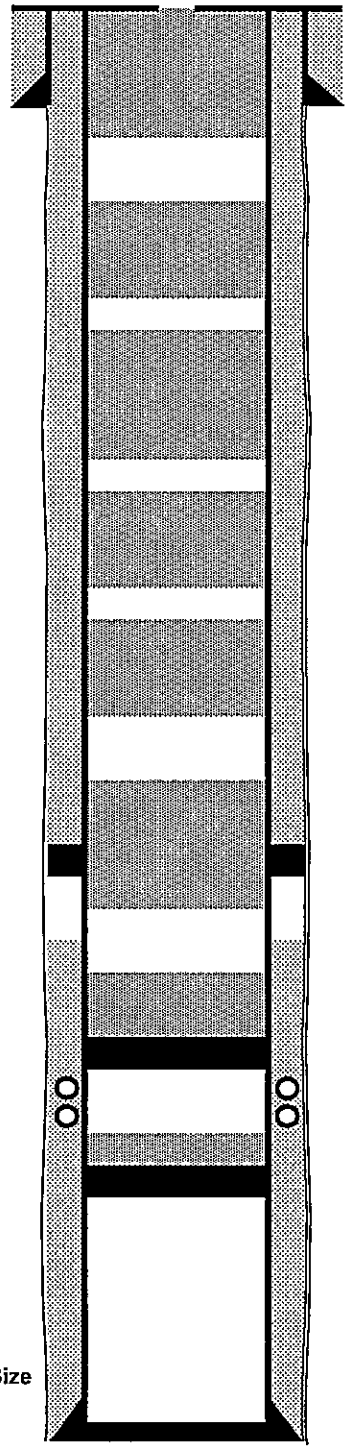
7.875"



Hole Size: 12-1/4"
8-5/8", 23.0#, Casing set @ 227'
Cement with 155 sks (183 cf). Circ 3 bbls to surface

Plug #7:Surface:0'-277'
22 sxs Class G Neat (25.3 cf)

Plug #6: Kirtland/Ojo Alamo: 995'-1240'
21 sxs Class G Neat (24.15 cf)

Plug #5: PC/Fruitland: 1794' - 2132'
31 sxs Class G Neat (35.65 cf)

Plug #4: Chacra - 1955' - 2055'
12 sxs Class G Neat (13.8 cf)

Plug #3: Mesa Verde - 3540' - 3640'
12 sxs Class G Neat (13.8 cf)

Plug #2: Mancos/DV tool - 4540'-4843'
28 sxs Class G Neat (32.2 cf)

DV Tool at 4793'
TOC @ 4960'

Set cement retainer @ 5298'
Plug #1: Gallup - 5159'-5298'
Above CICR: 15 sxs Class G Neat (17.25 cf)

7/21/1988 - Bridge Plug set @ 5725' w/ 5 sx cement dump bailed on top.
2-3/8" tubing set at 5639'

Gallup Perforations:
5348'-5643' (12 holes total)

4-1/2" 10.5# J-55 casing @ 6590'. DV tool @ 4793'
Stage #1: 420 sxs Class H (578 cf) Did not circulate cement off tool
Stage #2: 1055 sxs 65/35 (1878 cf) Cicrulated 49 bbls to surface

PBTD: 5704'
TD: 6593'

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_2S.

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.

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

AFMSS 2 Sundry ID 2736211

Attachment to notice of Intention to Abandon

Well: Dunn 13

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. Adjust the top of Plug #5 (PC/ Fruitland) to cover BLM Fruitland pick @ 1782'.
   b. Adjust Plug #6 (Kirtland/ Ojo Alamo) to cover BLM Kirtland top @ 1582' and Ojo Alamo top @ 1468'.

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 06/23/2023

BLM FFO Fluid Minerals
P&A Geologic Report

AFMSS ID: 2736211 **Date Completed:** 6/23/2023

Well No.	Dunn #013	SHL	900	FNL	960	FEL
API No.	3003924219			Sec. 04	T23N	R07W
Lease No.	NMSF078272	BHL	Same			
Operator	Epic Energy, LLC					
Elev. (KB)	7051	County	Rio Arriba		State	NM
Total Depth	6593 PBTD 5704	Formation	Gallup			

Formation Top	TVD (ft KB)	Remarks
San Jose Fm.		
Nacimiento Fm.	Surface	Surface/freshwater sands
Ojo Alamo Ss	1468	Aquifer (possible freshwater)
Kirtland Fm.	1582	Possible gas/water
Fruitland Fm.	1782	Coal/gas/water
Pictured Cliffs Ss	2082	Gas/water
Lewis Shale	2170	
Chacra	2505	Possible gas
Cliff House Ss	3590	Probable gas/water
Menefee Fm.	3630	Coal/probable gas/water
Point Lookout Fm.	4436	Possible gas/water
Mancos Shale	4590	Oil & gas
Gallup	5209	Oil & gas
Greenhorn Ls		
Graneros Shale		
Dakota Ss		
Morrison Fm.		

Remarks:

- Gallup perfs 5348' - 5643'.

- Adjust the top of Plug #5 (PC/Fruitland) to cover BLM Fruitland pick @ 1782'.

- Adjust Plug # 6 (Kirtland/Ojo Alamo) to cover BLM Kirtland top @ 1582' and Ojo Alamo top @ 1468'.

Reference Well:

1) Formation Tops
Same

Prepared by: Chris Wenman

P&A RECLAMATION PLAN

for

Dunn #13
900' FNL & 960' FEL
Sec. 4, T23N, R07W
Rio Arriba County, New Mexico

Prepared for

Epic Energy

June 2023

Created by:

Shawna Martinez

332 Rd 3100
Aztec, New Mexico 87410
Phone: (505) 327-4892

Table of Contents

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Applicant	Epic Energy, LLC
Project Type	Reclamation of an Oil well site.
Well, Oil and Gas Lease, or Right-of-Way (ROW) Name	Dunn #13 (30-039-24219)
Legal Location	900' FNL 960' FEL Section 4, Township 23 North, Range 07 West Rio Arriba County, NM
Lease Number(s)	SF-078272

1. INTRODUCTION

This reclamation plan has been prepared to meet the requirements and guidelines of the Bureau of Land Management (BLM) Farmington Field Office (FFO) Bare Soil Reclamation Procedures (BLM 2013a) and Onshore Oil and Gas Order No.1.

Epic Energy, LLC, may submit a request to the BLM/FFO to revise the Reclamation Plan at any time during the life of the project in accordance with page 44 of the Gold Book (USDI-USDA 2007). Epic Energy LLC will include justification for the revision requests.

Epic Energy, LLC contact person for this Reclamation Plan is:

Shawna Martinez, Regulatory Specialist
Walsh Engineering & Production
332 Road 3100
Aztec, New Mexico 87410
Phone: (505) 327-4892

2. PROJECT DESCRIPTION

EPIC Energy, LLC is proposing to plug and abandon the Dunn #13 wellbore. **The wellbore is located on the Tank Battery that will stay in operation; therefore, minor reclamation is required.** This location is located on lands owned and managed by the Bureau of Land Management, ~ 43.2 miles North of Cuba, NM. The Dunn #13 is accessed by travelling North on US-550 N/Main Street toward Reed Rd for 40.5 miles. Turn right toward Co. Rd. 377 for 354', continue for 1.4 miles. Turn right for 0.9 miles, turn left for 49', turn left for 0.2 miles continuing straight for 0.1 mile. Turn left for 92'. The well will be located on the left.

3. RECLMATION TECHNIQUES FOR SUCCESSFUL REVEGETATION

3.1 Site Clearing

The wellbore is located on the Tank Battery that will stay in operation; therefore, minor reclamation is required. After the well is plugged and abandoned, a steel marker not less than four inches in diameter is set in cement and extends at least four feet above ground level. The operator's name, lease name and well number and location, including unit letter, section, township, and range, shall be welded, stamped, or otherwise permanently engraved into the marker's metal. The flow line will be removed. The gravel will be removed from around the wellhead.

6. REFERNCES

43 CFR Part 3160, "Onshore Oil and Gas Order No. 1; Onshore Oil and Gas Operations; Federal and Indian Oil and Gas Leases; approval of Operations," 72 Federal Register 44 (March 2007), pp. 10328- 10338.

U.S. Department of the Interior, U.S. Department of Agriculture (USDI, USDA). 2007. Surface Operating Standards and Guidelines for Oil and Gas Exploration and Development. BLM/WO/ST-06/021+307/REV07. Bureau of Land Management, Denver, Colorado. 84

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 232624

CONDITIONS

Operator: EPIC ENERGY, L.L.C. 332 Road 3100 Aztec, NM 87410	OGRID: 372834
	Action Number: 232624
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
john.harrison	Accepted for record - NMOCD JRH 6/29/2023. BLM approved P&A 6/23/23	6/29/2023