

Well Name: BYRD 23	Well Location: T24N / R7W / SEC 23 / SENE / 36.2989 / -107.53847	County or Parish/State: RIO ARRIBA / NM
Well Number: 6	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078563	Unit or CA Name:	Unit or CA Number:
US Well Number: 300392553100S1	Well Status: Gas Well Shut In	Operator: EPIC ENERGY LLC

Notice of Intent

Type of Submission: Notice of Intent

Type of Action Plug and Abandonment

Date Sundry Submitted: 04/23/2021

Time Sundry Submitted: 02:18

Date proposed operation will begin: 04/23/2021

Procedure Description: Please find attached P&A Procedure & Reclamation plan previously submitted to BLM in 2019 & 2020 EPIC Energy is requesting the P&A procedure to be approved at the BLM earliest convenience

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

P__A_Report_BLM_Byrd_23_6_92120_20210423141722.pdf

Conditions of Approval

Specialist Review

General_Requirement_PxA_20210805083144.pdf

2158426_NOIA_BYRD_23_6_3003925531_KR_08042021_20210805083127.pdf

Additional Reviews

24N07W23HKg_Byrd_23_6_20210810111151.pdf

Well Name: BYRD 23**Well Location:** T24N / R7W / SEC 23 /
SENE / 36.2989 / -107.53847**County or Parish/State:** RIO
ARRIBA / NM**Well Number:** 6**Type of Well:** CONVENTIONAL GAS
WELL**Allottee or Tribe Name:****Lease Number:** NMSF078563**Unit or CA Name:****Unit or CA Number:****US Well Number:** 300392553100S1**Well Status:** Gas Well Shut In**Operator:** EPIC ENERGY LLC

Operator Certification

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 submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: VANESSA FIELDS**Signed on:** APR 23, 2021 02:12 PM**Name:** EPIC ENERGY LLC**Title:** Regulatory Manager**Street Address:** 7415 EAST MAIN STREET**City:** FARMINGTON**State:** NM**Phone:** (505) 327-4892**Email address:** VANESSA@WALSHENG.NET

Field Representative

Representative Name: VANESSA FIELDS**Street Address:** 7415 EAST MAIN STREET**City:** FARMINGTON**State:** NM**Zip:** 87402**Phone:** (150)578-7910**Email address:** vanessa@walsheng.net

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK**BLM POC Phone:** 9708783846**Disposition:** Approved**Signature:** Kenneth Rennick**BLM POC Title:** Petroleum Engineer**BLM POC Email Address:** krennick@blm.gov**Disposition Date:** 08/11/2021

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

5. Lease Serial No.
NMSF078563

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
BYRD 23 006

9. API Well No.
30-039-25531

10. Field and Pool or Exploratory Area
GALLUP

11. County or Parish, State
RIO ARRIBA COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
EPIC ENERGY LLC
Contact: VANESSA K FIELDS
E-Mail: vanessa@walsheng.net

3a. Address
7415 EAST MAIN STREET
FARMINGTON, NM 87402
3b. Phone No. (include area code)
Ph: 505-327-4892
Fx: 505-327-9834

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 23 T24N R07W 2300FNL 770FEL
36.299301 N Lat, 107.539062 W Lon

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

Please find attached plans to Plug and Abaddon the Byrd 23 #006. P&A procedure and reclamation plan attached. Plan was submitted hardcopy to the BLM September 2019

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #530915 verified by the BLM Well Information System
For EPIC ENERGY LLC, sent to the Farmington

Name (Printed/Typed) VANESSA K FIELDS

Title REGULATORY MANAGER

Signature (Electronic Submission)

Date 09/21/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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.

(Instructions on page 2)

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – Other instructions on reverse side

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
Epic Energy, LLC

3a. Address
7415 East Main, Farmington, NM 87402

3b. Phone No. (include area code)
505-327-4892

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2300' FNL & 770' FEL, Section 23, T24N, R7W

5. Lease Serial No.
NMSF- 078563
6. If Indian, Allottee or Tribe Name
7. If Unit or CA/Agreement, Name and/or N
8. Well Name and No.
Byrd 23 #006
9. API Well No.
30-039-25531
10. Field and Pool, or Exploratory Area
Gallup
11. County or Parish, State
Rio Arriba, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days Following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once Testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Epic Energy, LLC, proposes to permanently plug and abandon the Byrd 23 #006 as per the attached procedure:

MAILED
Hand delivered

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed) John Thompson Title Vice President Walsh Engineering
Signature *[Signature]* Date September 18, 2019

THIS SPACE FOR FEDERAL OR STATE USE

Approved by _____ Title _____ Date _____
Office _____

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001, 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.

Form 3160-5
(August 1996)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
Epic Energy, LLC

3a. Address
7415 East Main, Farmington, NM 87402

3b. Phone No. (include area codes)
505-327-4892

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2300' FNL & 770' FEL: Section 23, T24N, R7W

5. Lease Serial No.
NMSF-078563

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or N

8. Well Name and No.
Byrd 23 #006

9. API Well No.
30-039-25531

10. Field and Pool, or Exploratory Area
Gallup

11. County or Parish, State
Rio Arriba County, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Investigate Well
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposal or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all operations, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

JUL 26 2019
DISTRICT III

EPIC Energy will perform an investigation of pressures on Bradenhead prior to remediation in reference to eMPK1915554361

**Notify NMOCD 24 hrs
prior to beginning
operations**

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed) Vanessa Fields	Title Regulatory Specialist
Signature 	Date June 18, 2019

THIS SPACE FOR FEDERAL OR STATE USE

Approved by _____ Title _____ Date _____

Office _____

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

State of New Mexico
Energy, Minerals and Natural Resources Department

Michelle Lujan Grisham
Governor

Sarah Cottrell Propst
Cabinet Secretary

Todd E. Leahy, JD, PhD
Deputy Secretary

Adrienne Sandoval, Division Director
Oil Conservation Division



June 5, 2019

Vern Andrews
Epic Energy L.L.C.
7415 E. Main Street
Farmington, NM 87402

Re: 2019 Bradenhead Test
Well: Byrd 23 #6, UL H Sec 23 Twn 24N Rge 7W, API # 30-039-25531

Dear Mr. Andrews:

The 2019 Bradenhead test on the above well indicates a failure. In order to comply with Rule 19.15.16.11, prevent waste and protect fresh water, you are hereby directed to submit a plan of action before **July 5, 2019**, and initiate remedial activity before **September 5, 2019**. The initial Surface Casing psi was 100. The initial Production Casing psi was 104. The five-minute Surface Casing shut in pressure was 32. The production casing pressure fell while bradenhead was open indicating there is direct communication between bradenhead and production casing.

Gas analysis and wellbore schematic have not been received. However, samples were shown to be taken on May 1, 2019, on test date. Those results from those samples will need to be submitted as soon as possible.

Reference: cMPK1915554361 on future correspondence for this issue.

Notify the Aztec OCD 24 hours before work is initiated.

If you have any questions, please call me at 505-334-6178, ext. 123.

Sincerely yours,

Monica Kuehling
Deputy Oil and Gas Inspector
District III - Aztec

CC: Well File

P&A Procedure**Byrd #23-6**

Lybrook Gallup

2300' FNL & 770' FEL, Section 23, T24N, R7W

San Juan County, New Mexico, API #30-039-23387

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 ft³/sk or equivalent. Plugs determined from CBL TOC @ 890' (10/7/95).

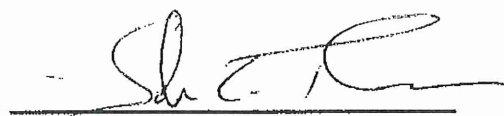
Prior to Mobilization

1. Notify BLM & NMOCD
2. Verify all cement volumes based on actual slurry to be pumped. Calculations based on 1.15 ft³/sk.
3. Comply with all COA's from BLM and NMOCD

P&A Procedure

1. MIRU PU and cement equipment
2. ND WH, NU BOP, RU rig floor and 2 3/8" handling tools
3. Unset 4 1/2" Arrow Set packer at 1620'
4. POOH and LD 2 3/8" production string set at 5480'
5. Tally and PU 2 3/8" works string and RIH with 4 1/2" casing scraper to 5330'
6. TIH with 4 1/2" CICR and set @ 5315'
7. Pressure test tubing to 1000 psi, Roll well, close pipe rams and pressure test casing to 500 psi to determine if plug tags will be required. Previous HIC identified from 405' - 995'.
8. TOOH and LD setting tool
9. **Plug #1, 5109' - 5315' (Gallup Top 5209' Perfs: 5365' - 5558')**: Mix & pump 16 sxs (18.4 ft³) of Class G neat cement (or equivalent) on top of retainer. PU 100' above TOC and reverse circulate tubing clean.
10. TOOH and LD tubing to '
11. **Plug #2, 4394' - 4544' (Mancos Top 4494')**: Mix & pump 12 sxs (13.8 ft³) of Class G neat cement (or equivalent) in balanced plug. PUH 100' above TOC and reverse circulate tubing clean. Tag plug if required.
12. TOOH and LD tubing to 3550'
13. **Plug #3, 3475' - 3625' (Mesaverde Top 3575)** Mix & pump 12 sxs (13.8 ft³) of Class G neat cement (or equivalent) in balanced plug. PUH 100' above TOC and reverse circulate tubing clean. Tag plug if required.
14. TOOH and LD tubing to 2050'.

15. **Plug #4, 1775' – 2070' (PC Top 2020', FC Top 1875')** Mix & pump 23 sxs (26.45 ft³) of Class G neat cement (or equivalent) in balanced plug. PUH 100' above TOC and reverse circulate tubing clean. Tag plug if required.
16. TOOH and LD tubing to 1600'.
17. **Plug #5, 1283' – 1607' (Kirtland Top 1557' – Ojo Alamo Top 1383')** Mix and pump 25 sxs (28.75 ft³) of Class G neat cement (or equivalent) in balanced plug. PUH 100' above TOC and reverse circulate tubing clean. Tag plug if required.
18. TOOH and LD tubing.
19. RIH w/ WL and shoot 3 spf @ 405'.
20. Establish circulation through braidenhead.
21. **Plug #6, Surface – 405' (8 5/8" surface shoe at 355')** Mix and pump ~117 sxs (134.55 ft³) of class G neat cement (or equivalent) bullhead down 4.5" casing. Circulate cement and top off as necessary.
22. 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.



John Thompson
Engineer

Byrd #23-6

Current WBD

Lybrook Gallup

2300' FNL & 770' FEL, Section 23, T24N, R7W, Rio Arriba County, NM

API: 30-039-25531

Today's Date: 9/18/19
Spud: 9/19/95
Completed: 6/14/1984

Elevation: 6676' GL

Ojo Alamo @ 1383'
Kirtland @ 1557'

FT Coal Top @ 1875'

Pictured Cliffs @ 2020'

Mesaverde @ 3575'

Mancos @ 4494'

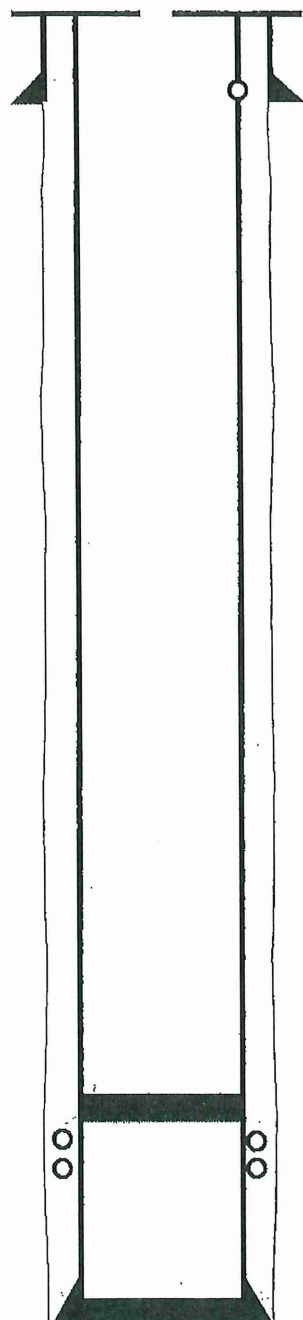
Gallup @ 5209'

Hole Size: 12-1/4"

8-5/8", 24#, Casing set @ 355'

Cement with 225 sks. Full returns, no cement to surface.

TOC 890' (CBL 10/7/95)



Perforations

5365'-5558'

Hole Size: 7 7/8"

4-1/2", 11.6#, J-55 casing set @ 5717'

Cement with 470 sks

PBTD: 5671'

TD: 5717'

Byrd #23-6

Proposed WBD

Lybrook Gallup

2300' FNL & 770' FEL, Section 23, T24N, R7W, Rio Arriba County, NM

API: 30-039-25531

Today's Date: 9/18/19
Spud: 9/19/95
Completed: 6/14/1984

Elevation: 6676' GL

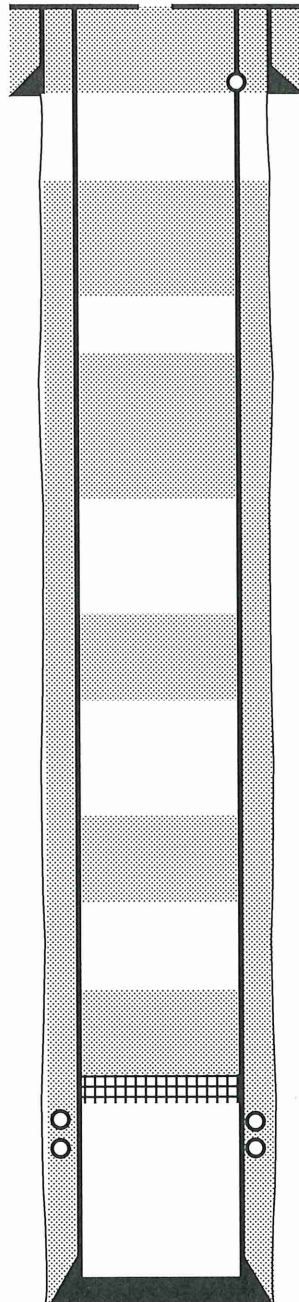
Ojo Alamo @ 1383'
Kirtland @ 1557'

FT Coal Top @ 1875'
Pictured Cliffs @ 2020'

Mesaverde @ 3575'

Mancos @ 4494'

Gallup @ 5209'



Hole Size: 12-1/4"

8-5/8", 24#, Casing set @ 355'

Cement with 225 sks. Full returns, no cement to surface.

TOC 890' (CBL 10/7/95)

Plug #6, Surface - 405'

Class G ~117 sxs (134.55 ft³)

Plug #5, 1283' - 1607'

Class G - 25 sxs (28.75 ft³)

Plug #4, 1775' - 2070'

Class G - 23 sxs (26.45 ft³)

Plug #3, 3475' - 3625'

Class G - 12 sxs (13.8 ft³)

Plug #2, 4394' - 4544'

Class G - 12 sxs (13.8 ft³)

Plug #1, 5109' - 5315'

Class G - 16 sxs (18.4 ft³)

CICR set @ 5315'

Perforations

5365'-5558'

Hole Size: 7 7/8"

4-1/2", 11.6#, J-55 casing set @ 5717'

Cement with 470 sks

PBTD: 5671'

TD: 5717'

**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), five copies, 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

Attachment to notice of
Intention to Abandon:

Re: Permanent Abandonment
Well: Byrd 23 6

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. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 564-7750.
3. The following modifications to your plugging program are to be made:
 - a) Add an additional plug to cover a minimum of 50 ft. below and above the top of the Chacra top formation at 2444 ft.

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 8/4/2021

BLM FLUID MINERALS Geologic Report

Date Completed: 12/21/2020

Well No. Byrd 23 #6 (API# 30-039-25531)			Location	2300	FNL	&	770	FEL
Lease No. NMSF-078563			Sec. 23	T24N			R07W	
Operator Epic Energy, LLC			County	Rio Arriba		State	New Mexico	
Total Depth 5717		PBTD 5671	Formation Gallup (Mancos)					
Elevation (GL) 6676			Elevation (KB) 6688					

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose Fm					Surface/Fresh water sands
Nacimiento Fm			Surface	1383	Fresh water sands
Ojo Alamo Ss			1383	1557	Aquifer (fresh water)
Kirtland Shale			1557	1816	
Fruitland Fm			1816	2020	Coal/Gas/Possible water
Pictured Cliffs Ss			2020	2110	Gas
Lewis Shale			2110	2444	
Chacra			2444	3575	
Cliff House Ss			3575	3654	Water/Possible gas
Menefee Fm			3654	4274	Coal/Ss/Water/Possible O&G
Point Lookout Ss			4274	4494	Probable water/Possible O&G
Mancos Shale			4494	5214	
Gallup			5214	PBTD	O&G/Water
Greenhorn					
Graneros Shale					
Dakota Ss					O&G/Water
Morrison					

Remarks:

P & A

- BLM geologist's picks for the top of the Fruitland formation varies from operator picks.
- Log analysis of reference well #2 indicates the Nacimiento and Ojo Alamo sands investigated likely contain fresh water to usable water ($\leq 10,000$ ppm TDS).
- Please add a plug to cover the Chacra top @ 2444'.
- Gallup perforations @ 5365'-5558'.

Reference Well:

- | | |
|--|-------------------|
| 1) Same | Fm. Tops |
| 2) CP Co.
NE Haynes #5
1606' FNL, 928' FWL
Sec. 22, T24N, R05W
GL 6692' KB 6706' | Water
Analysis |

Prepared by: Chris Wenman

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

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District IV

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

COMMENTS

Action 43494

COMMENTS

Operator: EPIC ENERGY, L.L.C. 332 Road 3100 Aztec, NM 87410	OGRID: 372834
	Action Number: 43494
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

COMMENTS

Created By	Comment	Comment Date
kpickford	KP GEO Review 8/20/2021	8/20/2021

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CONDITIONS

Created By	Condition	Condition Date
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	8/20/2021
kpickford	Adhere to BLM approved plugs on GEO Report	8/20/2021
kpickford	CBL required	8/20/2021