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

Sundry Print Report
06/22/2023

Well Name: ERIC HIXON	**Well Location:** T23N / R7W / SEC 15 / SENE / 36.22879 / -107.55513	**County or Parish/State:** RIO ARRIBA / NM
Well Number: 1	**Type of Well:** OIL WELL	**Allottee or Tribe Name:**
Lease Number: NMNM58876	**Unit or CA Name:**	**Unit or CA Number:**
US Well Number: 3003924458	**Well Status:** Producing Oil Well	**Operator:** EPIC ENERGY LLC

Notice of Intent

Sundry ID: 2735672

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 06/13/2023

Time Sundry Submitted: 03:30

Date proposed operation will begin: 06/13/2023

Procedure Description: Epic Energy LLC, propose to plug and abandon the subject well. Please find attached the P&A Procedure, WBD and Reclamation plan.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Eric_Hixon_1_PA_Procedure_20230613153009.pdf

Well Name: ERIC HIXON

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Well Status: Producing Oil Well

Operator: EPIC ENERGY LLC

Conditions of Approval

Additional

PxA_23N07W15HKg_Eric_Hixon_001_20230621164858.pdf

Authorized

2735672_NOIA_1_3003924458_KR_06212023_20230621170153.pdf

General_Requirement_PxA_20230621170142.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: ARLEEN SMITH

Signed on: JUN 13, 2023 03:30 PM

Name: EPIC ENERGY LLC

Title: Regulatory Specialist

Street Address: 332 RD 3100

City: AZTEC **State:** NM

Phone: (505) 327-4892

Email address: ARLEEN@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: 06/21/2023

Signature: Kenneth Rennick

P&A Procedure

EPIC Energy – Eric Hixon #1

Lybrook Gallup Ext

1710' FNL & 740' FEL, Section 15, T23N, R7W

Rio Arriba County, New Mexico, API #30-039-24458

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. Note: records filed with NMOCD indicate that primary cement jobs on both surface casing and production casing, circulated cement to surface.

Pertinent well data: See attached WBD

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 & NMOCD

P&A Procedure

1. MIRU PU and cement equipment
2. Hot oil/water rod string. ND horsehead and bridal. Lay down polish rod/stuffing box and rod string and pump.
3. ND WH, NU BOP, RU rig floor and 2 3/8" handling tools
4. POOH and LD 2 3/8" production string
5. Tally and PU 2 3/8" works string and RT 5 ½" casing scraper to top perf (5600').
6. TIH with 5 ½" CICR and set @ 5458'
7. Pressure test tubing to 1000 psi, load hole w/ water, close pipe rams and pressure test casing to 500 psi.
8. **Plug #1, 5408' – 5614'. Gallup Top: 5458'; GLP Perfs: 5600' – 5614':** Sting into CICR set @ 5458'. Mix & pump 25 sxs (28.8 ft^3) of Class G neat cement (or equivalent) leaving 50' of cement on top of retainer. PU 100' above TOC and reverse circulate tubing clean. Shut pipe rams and pressure test casing to 500 psi. Note: Cement circulated to surface on primary cement jobs.
9. **Plug #2, 4564' – 4714'. Mancos Top: 4664'.** Place EOT at 4714'. Mix and spot (in a balanced plug) 18 sx (20.7 cf) of Class G neat cement. Pull up to 100' above cement top and reverse tubing clean.
10. **Plug #3, 4161' – 4311'. Mesaverde Top: 4261'.** Pull up to 4311'. Mix and spot (in a balanced plug) 18 sx (20.7 cf) of Class G neat cement. Pull up to 100' above cement and reverse tubing clean.

11. **Plug #4, 3532' – 3682'. Chacra Top: 3632'.** Pull up to 3682'. Mix and spot (in a balanced plug) 18 sx (20.7 cf) of Class G neat cement. Pull up to 100' above cement and reverse tubing clean.
12. **Plug #5, 2011' – 2161'. Pictured Cliffs Top: 2111'.** Pull up to 2161'. Mix and spot (in a balanced plug) 18 sx (20.7 cf) of Class G neat cement. Pull up to 100' above cement and reverse tubing clean.
13. **Plug #6, 1350' – 1658'. Ojo Alamo & Kirtland Top: 1450'.** Pull up to 1658'. Mix and spot (in a balanced plug) 36 sx (41.4 cf) of Class G neat cement. Pull up to 100' above cement and reverse tubing clean.

14. **Plug #7, (8-5/8" Surface casing shoe, 371' to Surface):** Original surface casing circulated cement. Pull up to 50' below 8 5/8" surface casing shoe at 371' and mix approximately 50 sxs (57.5 cf) class G neat cement. Pull out of cement and lay down the remaining tubing. Top off as necessary.

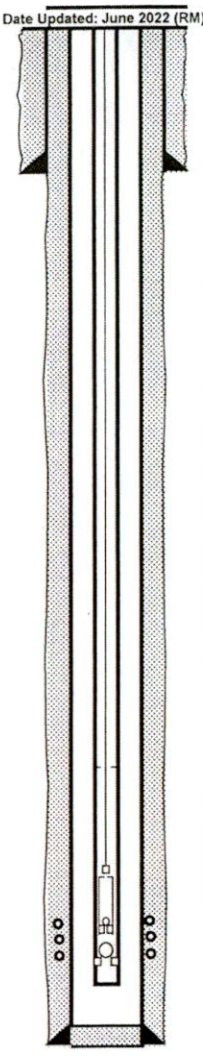
15. ND BOP and cut off wellhead below surface casing flange, top off casing and annulus as necessary. Cut off casing head & install P&A marker and cut off and/or remove anchors. RD, MOL - Restore location per reclamation plan.

Well/Facility:	Eric Hixon #1	Well Status:	Producing
Operator:	Epic Energy	Orig Oper:	Hixon Development Co
Lease/Op Agmt:		KB:	13'
Field:	Lybrook Gallup Ext	API #:	30-039-24458
County:	Rio Arriba	GR/KB:	7178' GL
State:	NM	TD:	5853'
Spud:	6/23/1989	PBTD:	5734'
Comp. Date:	10/2/1989	WI:	100.000000
1st Prod:	10/2/1989	NRI:	87.500000
Wellhead Conn:			
Surface Loc:	1710' FNL & 740' FEL		
Sec-Twn-Rge:	Unit Letter H, Sec 15/T23N/7W		
Pumper:			
Foreman:	John Hampton Jr.		
Anchors Tested			
Notes:			

Date:	History:

Deviation		Geologic Markers	
MD	Inclination	MD	Formation
225	0.25	Surf	San Jose
759	0.50		Naciemento
1,192	0.50	1450'	Ojo Alamo
1,697	0.75	1608'	Kirtland
1,851	0.50		Fruitland
2,346	0.75	2111'	Pictured Cliffs
2,840	0.75	2181'	Lewis
3,440	0.75	3632'	Chacra
3,613	1.00	4261'	Cliff House
4,245	1.00	3654'	Menefee
4,744	1.00	4428'	Pt. Lookout
5,280	1.00	4664'	Mancos
5,775	0.75	5458'	Gallup

Date Updated: June 2022 (RM)



PBTD: 5734' KB
TD: 5813' KB

WALSH ENGINEERING & PRODUCTION CORP.

Casing Record							
Surface							
OD	WT/FT	GRADE	Top	Bottom	Thead	Bit Size	
8-5/8"	24	--	0	223'	ST&C	12-1/4"	
Production							
OD	WT/FT	GRADE	Top	Bottom	Thread	Bit Size	
5.5"	11.6	K55	0	5806'		7-7/8"	

Cement		
String/Stage	Cement Type and Volume	TOC/Method
Surface	Lead: 175sx (207 cf) Class B w/ 2%CaCl2	Circ to surf
	Tail:	
1st Stage Production	Lead: 400 sx (1580 cf) Class B w/ 3% A2 & 1/4#CF	Circ to surf
	Tail: 200 sx (236 cf) Class B w/2% CaCl2 & 1/4#CF	
2nd Stage Production	Lead:	
	Tail:	
3rd Stage Production	Lead:	
	Tail:	

Perforations (Depth, SPF, EHD)
Gallup: 5600' - 5614',

Stimulation Detail
Gallup: 102,500# 20/40 in 2141' bbls of crude oil

5-1/2", 15.5 ppf set @ 5806'

Production Tubing Detail						
	Length	WT	Grade	Thread	Top	Bottom
KB Adjustment	12.00				0	12.00
2-3/8"	5532.00					5544.00
						5544.00
TBG Anchor at 5450'						5544.00
						5544.00
						5544.00
						5544.00
						5544.00
						5544.00

Rod Detail - UNK						
	Length				Top	Bottom
						0.00
217 ea. 3/4" plain					0.00	0.00
6 ea. 3/4" guided rods					0.00	0.00
8' pony					0.00	0.00
2"x1/4"x12'RWAC Pump					0.00	0.00
					0.00	0.00
					0.00	0.00

Pumping Unit:		Gear Sheave:	
API Designation:		Stroke Length:	64"
Samson Post SN:		Gear Ratio:	
Gear Box SN:		SPM:	
Structural Unbalance:		Horse Power:	
Power:	Whitey	Volts:	
Power SN:		Amps:	
Sheave Size:		Belts:	

Well/Facility:	Eric Hixon #1	Well Status:	Producing
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Surface Loc:	1710' FNL & 740' FEL		
Sec-Twn-Rge:	Unit Letter H, Sec 15/T23N/7W		
Pumper:			
Foreman:	John Hampton Jr.		
Anchors Tested			
Notes:			

Date:	History:

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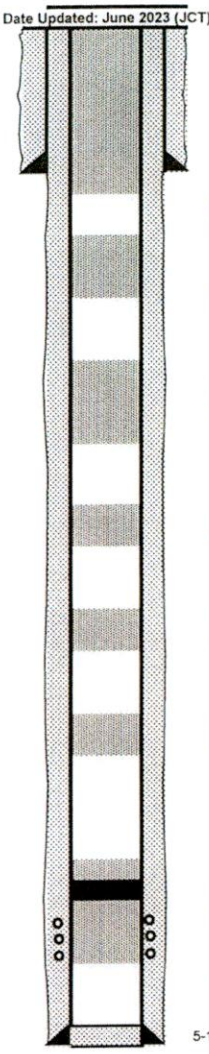

WALSH ENGINEERING & PRODUCTION CORP.

8-5/8", 24 ppf set at 321'

Surface
Plug #7: Surface to 371'
50 sx (57.5 cf) of Class G

Kirtland/Ojo Alamo Top: 2056'
Plug #6: 1350' - 1658'
36 sx (41.4 cf) of Class G

PC/Fruitland Top: 2111'
Plug #5: 2011' - 2161'
18 sx (20.7 cf) of Class G

Chacra Top: 3632'
Plug #4: 3532' - 3682'
18 sx (20.7 cf) of Class G

Mesaverde Top: 4261'
Plug #3: 4161' - 4311'
18 sx (20.7 cf) of Class G

Mancos Top: 4664'
Plug #2: 4564' - 4714'
18 sx (20.7 cf) of Class G

Gallup Top: 5458'
Set CICR at 5458'
Plug #1: 5408' - 5614'
25 sx (28.8 cf) of Class G

Gallup Perfs: 5600' - 5614'

5-1/2", 15.5 ppf set @ 5806'

PBTD: 5734' KB
TD: 5813' KB

Production Tubing Detail						
	Length	WT	Grade	Thread	Top	Bottom
KB Adjustment	12.00				0	12.00
2-3/8"						12.00
						12.00
						12.00
						12.00
						12.00
						12.00
						12.00
						12.00

Rod Detail - UNK						
	Length				Top	Bottom
						0.00
					0.00	0.00
					0.00	0.00
					0.00	0.00
					0.00	0.00
					0.00	0.00
					0.00	0.00

Pumping Unit:		Gear Sheave:	
API Designation:		Stroke Length:	64"
Samson Post SN:		Gear Ratio:	
Gear Box SN:		SPM:	
Structural Unbalance:		Horse Power:	
Power:	Whitey	Volts:	
Power SN:		Amps:	
Sheave Size:		Belts:	

P&A RECLAMATION PLAN

for

Eric Hixon #1
1710' FNL & 740' FEL
Sec. 15, T23N, R07W
Rio Arriba County, New Mexico

Prepared for

Epic Energy

June 2023

Created by:

Arleen Smith

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

Table of Contents

Applicant	Epic Energy, LLC
Project Type	Reclamation of a natural gas well site.
Well, Oil and Gas Lease, or Right-of-Way (ROW) Name	Eric Hixon #12 (30-039-24458)
Legal Location	1710' FNL 740' FEL Section 15, Township 23 North, Range 07 West Rio Arriba County, NM
Lease Number(s)	NM 58876

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 request.

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

Arleen Smith, Regulatory Manager
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 Eric Hixon #1 wellbore and reclaim the well pad. This location is located on lands owned and managed by the BLM, ~ 49 miles South of Bloomfield, NM. Eric Hixon #1 is accessed by travelling South on US-550 for 48.5 miles. Turn right off road for 312 ft and well located on right.

3. Disturbance Site Visit

The site visit occurred on May 18, 2023. The following people were present at the site visit (Table 1).

Table 1 Site Visit Attendees

Name	Affiliation	Contact Info
Abiodun Adeloye	BLM	505-564-7665
Clay Green	Walsh Engineering	505-320-7713
Bertha Spencer	BIA	505-863-8336

3.1 Vegetation Community

Based on observations made during the disturbance site visit, it has been determined that the vegetation community which best represents the proposed project area is classified as Sagebrush/Grass plant community.

3.2 Proposed Reclamation Seed Mix

Disturbance will be re-contoured, and topsoil will be redistributed and prepared for seeding by the construction contractor. Ripping, disking, and seeding of the site will be done by Epic's construction contractor using the BLM-approved seed mix shown which is shown in Table 2. The proposed reclamation seed mix considers the existing vegetation on the proposed project site.

Table 2. BLM Farmington Field Office Pinyon Juniper Community Seed Mix

Sagebrush/grass community menu based seed mix for use in reclamation (minimum requirement) **

Common Name	Scientific Names	Variety	Season	Form	PLS lbs/acre*
Plant two of the following:					
Fourwing saltbush	*Atriplex canescens*	VNS	Cool	Shrub	2.0
Antelope bitterbrush	*Purshia tridentata*	VNS	Cool	Shrub	2.0
Winterfat	*Krascheninnikovia lanata*	VNS	Cool	Shrub	2.0
and three of the following:					
Indian ricegrass	*Achnatherum hymenoides*	Paloma or Rimrock	Cool	Bunch	4.0
Blue grama	*Bouteloua gracilis*	Alma or Hachita	Warm	Sod-forming	2.0
Galleta	*Pleuraphis jamesii*	Viva florets	Warm	Bunch/Sod-forming	3.0
Sand dropseed	*Sporobolus cryptandrus*	VNS	Warm	Bunch	0.5
Western wheatgrass	*Pascopyrum smithii*	Arriba	Cool	Sod-forming	4.0
and one of the following:					
Bottle brush squirreltail	*Elymus elymoides*	Tusas or VNS	Cool	Bunch	3.0
Siberian wheatgrass	*Agropyron fragile*	Vavilov	Cool	Bunch	3.0
and two of the following					
Small burnet	*Sanguisorba minor*	Delar	Cool	Forb	2.0

Rocky Mtn. bee plant	*Cleome serrulata*	Local collection or VNS	Cool	Forb	0.25
Blue flax	*Linum lewisii*	Apar	Cool	Forb	0.25

****Based on 60 pure live seeds (PLS) per square foot, drill seeded. Double this rate (120 PLS per square foot) if broadcast or hydroseeded.**

3.3 Vegetation Reclamation Standards

Requirements for determining reclamation and if it is successfully completed for the selected vegetation community are determined by the reclamation percent cover standards for the community, as outline in Table 3. These standards must be met during post-disturbance monitoring procedures in order for the Bureau of Land Management to sign off on the attainment of vegetation reclamation standards.

Table 3. Reclamation Goal for Sagebrush/Grass Community

Functional Group	*Percent (%) Foliar*	*Common Species*
Trees/Shrubs/Grasses/Forbs	≥35	Utah juniper, Pinyon pine; big sagebrush, four-wing saltbrush, Antelope bitterbrush, alkali sacaton, western wheatgrass, Indian ricegrass, galleta, sand dropseed, scarlet globmallow, wooly Indianwheat, fleabane, Penstemon spp., buckwheat, threadleaf groundsel
Invasive/undesirables 10% allowed toward meeting standard of 35%.	≤10	Plants that have the potential to become a dominant species on a site where its presence is a detriment to revegetation efforts or the native plant

3.4 Weed Survey

During the site visit, the proposed action area was surveyed for noxious weeds listed on the New Mexico Department of Agriculture's Class A and Class B list. During the survey, no noxious weeds were found.

3.5 Soil Evaluation

Unless any stained soil is discovered during the surface reclamation, no soil testing will be necessary.

4. RECLMATION TECHNIQUES FOR SUCCESSFUL REVEGETATION

4.1 Site Clearing

After the well is plugged and abandoned, a steel plate at ground level 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. Remove all equipment. Remove concrete, trash and dead man. Remove signage by entrance road. Recontour and divert water way from preexisting pad.

4.2 Topsoil Replacement

No topsoil was stockpiled during the original construction of the well pad. The remaining location will be re-contoured to match the natural topography. Epic Energy (and it's contractors) will take care not to mix topsoil with the underlying subsoil horizons. Topsoil and sub-surface soils will be replaced in the proper to final seedbed preparation.

4.3 Water Management/Erosion Control Features

The BLM representative and the Epic Energy representative would work in collaboration to develop site-specific erosion control or water management features and to identify installation locations. Potential erosion control or water management features that may be used include (but are not limited to) water bars or rolling dips for roads, sediment basins or sediment traps, check dams, silt fencing, bellholes upstream of culverts, outlet protection for culverts, erosion control blankets, straw bales, and straw wattles. D

During interim reclamation, areas of the project that are not needed for long term well operations and maintenance will be recontoured to re-establish disturbed terrain and blend into the surrounding landscape. The natural drainage network would be re-established as practicable with necessary diversions and silt traps around the long-term project footprint.

4.4 Seedbed Preparation

For cut-and-fill slopes, initial seedbed preparation should consist of backfilling and recontouring to achieve the configuration specified in the reclamation plan. Seedbed preparation for compacted areas should be ripped to a minimum depth of eighteen (18)inches, with a maximum furrow spacing of two (2) feet. Where practicable, ripping should be conducted in two passes at perpendicular directions. Avoid leaving large clumps or clods. If this exists, disking should be conducted. Disking and seed drills should run perpendicular to slopes to provide terracing and prevent rapid runoff and erosion.

Seedbed preparation is one of the most important steps for reclamation success. Following final contouring, the backfilled or ripped surfaces should be covered evenly with topsoil. Final seedbed preparation should consist of raking or harrowing the spread topsoil prior to seeding to promote a firm seedbed. A loose seedbed makes it impossible to control the depth of seeding because the tires and the planter sink into the soil. Seedbed preparation may not be necessary for topsoil storage piles or other areas of temporary seeding.

4.5 Soil Amendments

Soil amendments would be added to the topsoil, if needed, as advised by the Epic Energy environmental scientist or appropriate surface managing agency.

4.6 Seeding

The seed mix chosen for this project is listed in Table 2. Seeding would occur at the time of final reclamation.

A disc-type seed drill or modified rangeland drill that allows for seeding species from different seed boxes at different planting depths will be used to seed the disturbed areas of the project area. Epic Energy or its reclamation contractor will ensure that perennial grasses and shrubs are planted at the appropriate depth. Larger seeds (such as Indian ricegrass) would be planted at a depth of one to two inches, Intermediate size seeds (such as wheatgrasses and shrubs) will be planted at a depth of 0.5 inch and small seeds (such as alkali sacaton and sand drop seed) will be planted at a depth of 0.25 inch. In situations where differing planting depths are not practicable using available equipment, the entire seed mix will be planted no deeper than 0.25 inch. A drag, packer, or roller would follow the seeder to ensure uniform seed coverage and adequate compaction. Seed would be drilled perpendicular to slopes at practical in order to minimize runoff and erosion.

Drill seeding may be used on well-packed and stable soils that occur on gentler slopes and where equipment and drills can safely operate. Where drill seeding is not practicable due to topography, the reclamation contractor will hand-broadcast seed using a "cyclone" hand seeder or similar broadcast seeder. Seeds like Galleta (with florets) and winter fat (with fine hairs) may also be broadcast as they do not flow well through a seeder. Broadcast application of seed requires a doubling of the drill-seeding rate. The seed will then be raked into the ground, so the seed is planted no deeper than 0.25 inch below the surface.

4.7 Mulching

Based on the onsite, mulching should not be necessary but if needed hand seeding with hydro-mulch, excelsior netting, and/or mulch with netting could be utilized on cut and fill slopes. Mulch should be grass or straw spread at 2,000 to 3,000 pounds per acre, or approximately 1 to 2 inches deep. Mulching will consist of crimping certified weed-free straw or certified weed-free native grass hay into the soil.

Straw or native grass hay mulch can be applied by hand broadcasting or blowing to a relatively uniform depth of 2 to 3 inches, equivalent to a rate of approximately 2 tons per acre (one 74-pound bale per 800 square feet). When applied properly, approximately 20 to 40 percent of the original ground surface will be visible.
Straw or native grass hay mulch will then be anchored using one of the following methods:

Hand Punching - a spade or shovel is used to punch mulch into the topsoil at 1-foot intervals until all areas have mulch standing perpendicular to the slope and the mulch is embedded at least 4 inches into the soil.
Roller Punching - a roller is used to spread mulch over an area; the roller is equipped with straight studs not less than 6 inches long, from 4 to 6 inches wide, and approximately 1 inch thick. Crimper Punching - similar to roller punching, a crimper is used over the soil. The crimper has serrated disk blades about 4 to 8 inches apart that force the mulch into

the soil. Crimping should be done in two directions with the final pass across the slope. Mulch applications in extremely clay soils should be evaluated carefully to avoid developing an adobe mixture. In these cases, a soil amendment may be beneficial.

4.8 Noxious and Invasive Weed Control

Should noxious or invasive weeds be documented after earthwork and seeding activities, Walsh Engineering & Production will contact BLM for a management and development plan for noxious or invasive weed.

4.9 Revegetation Success for Final Abandonment

In order to reach a final abandonment status for disturbance and reclamation on BLM-manages lands, reclamation efforts much reach a uniform vegetative cover of native plant species. Requirements for determining reclamation and its successful completion of the selected vegetation community on BLM lands is determined by the reclamation percent cover standards for the community, as outlined previously in Table 3. These standards must be met on BLM managed lands during post-disturbance monitoring procedures in order for the BLM-FFO to sign off on the attainment of vegetation reclamation standards.

Revegetation percent cover standards will be attained, documented, and submitted to the BLM-FFO by Epic Energy, or an exception granted before the BLM-FFO will approve a final abandonment notice (FAN) or relinquishment.

5. MONITORING REQUIREMENTS

Monitoring activities will be initiated after the project is completed, during the post-disturbance earthwork and seeding inspection process. Operator will contact BLM when ready for Final Abandonment Notice (FAN) inspection.

5.1 Post-Reclamation Monitoring Initiation

After the well has been plugged and the reclamation work and seeding have been completed, a post-disturbance inspection at the project site will occur. The operator will contact BLM to initiate an onsite inspection.

5.2 Annual Monitoring

If needed, Epic Energy will begin annual monitoring of the photo points and the vegetation line point intercept transects 2 calendar years after the completion and approval of the final earthwork and seeding. Monitoring may occur any time of the year. A completed monitoring report of the permanent photo points will be submitted by Epic Energy to Bureau Land Management by December 31of the year the site is monitored. Within 60 days after receipt, the Bureau Land Management will acknowledge that the report has been received and evaluated. Vegetation line point intercept transects will be monitored annually until attainment of vegetation reclamation cover standards have been met. Epic Energy will keep a record of the monitoring for future submittal to the Bureau Land

Management at reclamation attainment.

5.3 Attainment of Vegetation Reclamation Standards

When vegetation on a reclaimed site appears to meet the required percent revegetation standard, Epic Energy will submit to the Bureau Land Management a written request for concurrence that revegetation standards have been attained. The request will include all annual transect data sheets and a current set of monitoring photographs. The Bureau Land Management will review the request and approve or deny the request within 60 days of receipt. If the request is denied, the Bureau Land Management may initiate a site inspection within 60 days of the denial to analyze the site and determine if remedy actions may be appropriate.

5.4 Long-Term Monitoring

If needed, after the required percent revegetation standard has been attained, Epic Energy will begin long-term monitoring per BLM directions.

5.5 Final Abandonment

Revegetation percent cover standards will be attained, documented, and submitted to the Bureau Land Management by Epic Energy or an exception granted before the Bureau Land Management will approve a final abandonment notice (FAN) or relinquishment.

Upon final reclamation, the location will be returned to pre-disturbance conditions as practicable.

5.6 Cessation of Monitoring

Monitoring requirements will remain in effect as long as the permit, grant, or authorization remains in effect and until all infrastructure or associated facilities are abandoned by established BLM procedure and a FAN or relinquishment is issued by the Bureau Land Management. Epic Energy will document that percent cover standards have been attained when submitting a request for a FAN or relinquishment.

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

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.

BLM FFO Fluid Minerals
P&A Geologic Report

AFMSS ID: 2735672 **Date Completed:** 6/21/2023

Well No.	Eric Hixon #001	SHL	1710	FNL	740	FEL
API No.	3003924458			Sec. 15	T23N	R07W
Lease No.	NMNM58876	BHL	Same			
Operator	Epic Energy, LLC					
Elev. (KB)	7191'	County	Rio Arriba		State	NM
Total Depth	5813' PBTD 5734'	Formation	Gallup			

Formation Top	TVD (ft KB)	Remarks
San Jose Fm.		
Nacimiento Fm.	Surface	Surface/freshwater sands
Ojo Alamo Ss	1450	Aquifer (possible freshwater)
Kirtland Fm.	1608	Possible gas/water
Fruitland Fm.	1794	Coal/gas/water
Pictured Cliffs Ss	2111	Gas/water
Lewis Shale	2181	
Chacra	2998	Possible gas
Cliff House Ss	3632	Probable gas/water
Menefee Fm.	3698	Coal/probable gas/water
Point Lookout Fm.	4428	Possible gas/water
Mancos Shale	4664	Oil & gas
Gallup	5458	Oil & gas
Greenhorn Ls		
Graneros Shale		
Dakota Ss		
Morrison Fm.		

Remarks:

- Gallup perfs 5600' - 5614'.

- Adjust Plug #3 (Mesaverde), or add a plug, to cover BLM Cliff House pick @ 3632'.

- Adjust Plug #4 (Chacra), or add a plug, to cover BLM Chacra pick @ 2998'.

- Add a plug, or lengthen Plug #6 (Ojo/Kirtland) to cover BLM pick for the Fruitland formation top @ 1794'. Proposed Plug #6 is adequate for the Ojo and Kirtland tops.

Reference Well:

1) Formation Tops
Same

Prepared by: Chris Wenman

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

AFMSS 2 Sundry ID 2735672

Attachment to notice of Intention to Abandon

Well: Eric Hixon 1

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 Plug #3 (Mesaverde), or add a plug, to cover BLM Cliff House pick @ 3632'.
   b. Adjust Plug #4 (Chacra), or add a plug, to cover BLM Chacra pick @ 2998'.
   c. Add a plug, or lengthen Plug #6 (Ojo/Kirtland) to cover BLM pick for the Fruitland formation top @ 1794'. Proposed Plug #6 is adequate for the Ojo and Kirtland tops.

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 06/21/2023

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 231476

CONDITIONS

Operator: EPIC ENERGY, L.L.C. 332 Road 3100 Aztec, NM 87410	OGRID: 372834
	Action Number: 231476
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
john.harrison	Accepted for record - NMOCD JRH 06/28/2023. BLM approved P&A 06/21/23	6/28/2023