Sundry Print Report

105% search report

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

Sundry Print Report
07/28/2023

Well Name: WEST FORK

Well Location: T26N / R12W / SEC 14 / NENW / 36.4928 / -108.08406

County or Parish/State: SAN JUAN / NM

Well Number: 1

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMNM33015

Unit or CA Name:

Unit or CA Number:

US Well Number: 300452563200S2

Well Status: Inactive

Operator: EPIC ENERGY LLC

Notice of Intent

Sundry ID: 2743275

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 07/28/2023

Time Sundry Submitted: 10:04

Date proposed operation will begin: 07/28/2023

Procedure Description: Please see attached P&A procedure.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

NOI_P_A_West_Fork_1_20230728100412.pdf

Sundry Print Report

105% search report

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Unit or CA Number:

US Well Number: 30045256320OS2

Well Status: Inactive

Operator: EPIC ENERGY LLC

Conditions of Approval

Specialist Review

2743275_NOI_PnA_West_Fork_1_3004525623_MHK_07282023_20230728103054.pdf

General_Requirement_PxA_20230728102027.pdf

PxA_26N14W12CKg_West_Fork_001_20230728075702_20230728101955.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: JUL 28, 2023 10:04 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: MATTHEW H KADE

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5055647736

BLM POC Email Address: MKADE@BLM.GOV

Disposition: Approved

Disposition Date: 07/28/2023

Signature: Matthew Kade

P&A Procedure

EPIC Energy – West Fork #1

Basin Fruitland Coal / Gallegos Gallup

940' FNL & 1560' FWL, Section 14, T26N, R12W

San Juan Co, New Mexico, API #30-045-25632

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. Open Fruitland Coal perforations to be treated like casing leak while setting lower plugs. Cement circulated on surface casing string. Top of 3rd stage production cement located at 450' (temp survey). 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 PU and cement equipment
2. ND WH, NU BOP, RU rig floor and 2 3/8" handling tools
3. POOH 2 3/8" production string set at ~5209'.
4. Release AS-1X packer set at 1539' in 10,000# compression.
5. TIH with 4 ½" casing scraper to 5050'. TOOH LD 4 ½" scraper.
6. TIH with CICR and set @ 5033'. Roll hole with fresh water. PT tubing to 500 psi.
7. MIRU WL to run CBL if required.

1. **Plug #1, 4855' – 5033' (Gallup top: 4905', Perfs 5083' – 5278'):** Sting out of CICR, mix and pump 18 sxs (20.7 cf) Class G Neat in balanced plug on top of retainer. PU 200' above plug reverse circulate to clean tubing. WOC and tag plug.

2. **Plug #2, 3855' – 3955' (Mancos Top: 3905'):** Mix & spot 15 sx (17.2 ft^3) Class G neat cement in balanced plug. PUH 200' above plug and reverse circulate tubing clean. WOC and tag plug. Re-spot cement if necessary.

3. **Plug #3, 1785' - 2320' (Mesaverde Top: 2270' / Chacra Top: 1835'):** Mix & spot 46 sx (52.9 ft^3) Class G neat cement in balanced plug. PUH 200' above plug and reverse circulate tubing clean. WOC and tag plug if necessary. Re-spot cement if necessary.

4. **Plug #4, 1080' - 1332' (Fruitland Top: 1130' / PC Top: 1400'):** Mix & spot 24 sx (27.6 ft^3) Class G neat cement in balanced plug. PUH 200' above plug and reverse circulate tubing clean. WOC and tag plug if necessary. Re-spot cement if necessary.

5. **Plug #5, Surface' – 320' (8-5/8" Surface Shoe @ 280'):** RIH with WL and shoot 3 spf @ 320'. Establish circulation through bradenhead. Mix & pump 82 sx (94.3 ft^3) Class G neat cement or until cement circulates. Cut off WH below surface casing flange. Re-spot cement if necessary.

6. 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

West Fork #1

Current Status

Basin Fruitland Coal / Gallegos Gallup

940' FNL & 1560' FWL, Section 14, T26N, R12W, San Juan County, NM

API: 30-045-25632

Today's Date: 7/27/2023
Spud: 4/1/1983
Completed: 11/9/1997 (FC)

Elevation: 6173' GL
Elevation: 6187' KB

Nacimiento @ surface
Ojo Alamo @ 270'

Fruitland @ 1130'

Pictured Cliffs @ 1400'

DV @ 1669'

Chacra @ 1835'

Cliffhouse @ 2270'

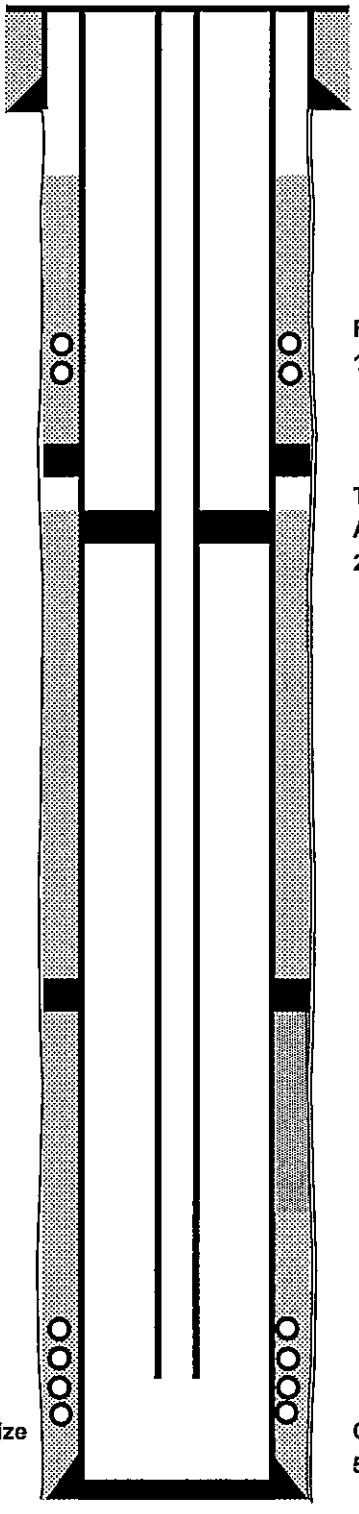
PLO @ 3905'

DV @ 4213'

Mancos @ 3905'

Gallup @ 4905'

Hole Size
7.875"



Hole Size: 12-1/4"
8-5/8" set @ 230'
Cement with 177 sks. Circ to surface

TOC 450' Temp Survey

Fruitland Coal Perforations
1382' - 1398'

Tubing Detail:
Arrow Set 1X Packer @ 1539' KB
2-3/8: Tubing @ 5209'

4-1/2" 10.5# J-55 casing
Cement with 1775 cf (3 stage)

Gallup Perforations
5083' - 5278'

PBTD: 5364'
TD: 5365'

West Fork #1

Proposed P&A

Basin Fruitland Coal / Gallegos Gallup

940' FNL & 1560' FWL, Section 14, T26N, R12W, San Juan County, NM

API: 30-045-25632

Today's Date: 7/27/2023
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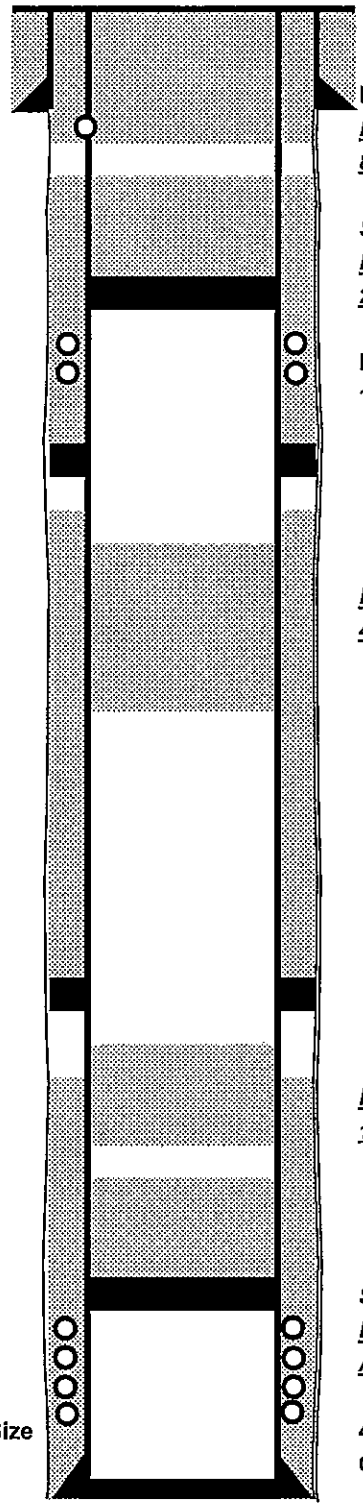
Gallup @ 4905'

Hole Size
7.875"



Hole Size: 12-1/4"
8-5/8" set @ 230'
Cement with 177 sks. Circ to surface

Perforate @ 280'
Plug #5: 8-5/8" Surface Shoe: Surface - 280'
82 sxs Class G Neat (94.3 cf)

Set cement retainer @ 1332'
Plug #4: PC/Fruitland: 1080' - 1332'
24 sxs Class G Neat (27.6 cf)

Fruitland Coal Perforations
1382' - 1398'

Plug #3: MesaVerde / Chacra: 2320' - 1785'
46 sxs Class G Neat (52.9 cf)

Plug #2: Mancos - 3955' - 3855'
15 sxs Class G Neat (17.25 cf)

Set cement retainer @ 5033'
Plug #1: Gallup - 4855'-5033'
Above CICR: 18 sxs Class G Neat (20.7 cf)

4-1/2" 10.5# J-55 casing
Cement with 1775 cf (3 stage)

PBTD: 5364'
TD: 5365'

Gallup Perforations
5083' - 5278'

P&A RECLAMATION PLAN

for

West Fork #1
30-045-25632
940' FNL & 1560' FWL
Sec. 14, T26N, R12W
San Juan 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

Applicant	Epic Energy, LLC
Project Type	Reclamation of a Gas well site.
Well, Oil and Gas Lease, or Right-of-Way (ROW) Name	West Fork #1 (30-045-25632)
Legal Location	940' FNL 1560' FWL Section 14, Township 26 North, Range 12 West Rio Arriba County, NM
Lease Number(s)	NM-33015

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:

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 West Fork #1 wellbore and reclaim the well pad. This location is located on lands owned and managed by the Bureau of Land Management, ~ 19.9 miles South of Bloomfield, NM. The West Fork #1 is accessed by travelling South on US-550 for 11.7 miles. Turn right onto Co. Rd. 7100 for 7.4 miles, turn rigmiles.to Rd 7126 for 0.2 miles.

3. PRE-DISTURBANCE SITE VISIT

3.1 Vegetation Community

Based on observations made during the pre-disturbance site visit, it has been determined that the vegetation community which best represents the proposed project area is classified as Sagebrush/grass 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 the 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 Sagebrush/grass Community Seed Mix

Sagebrush/grass community menu-based seed mix by habitat type for reclamation (minimum requirement) **

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

0:0mmon Name.	Scientific Names	·., Varietv	I Season	FOFm	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 orVNS	Cool	Bunch	3.0
Siberian wheate:rass	*Agropyron fragile*	Vavilov	Cool	Bunch	3.0
and two of the following					
Small burnet	*Sanguisorba minor*	Delar	Cool	Farb	2.0
Rocky Mtn. bee plant	*Cleome serrulata*	Local collection or VNS	Cool	Farb	0.25
Blue flax	*Linum lewisii*	Apar	Cool	Farb	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 hydroseede**

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 for the Bureau of Land Management to sign off on the attainment of vegetation reclamation standards.

Table 3. Reclamation Goal for Sagebrush/Grass Community

Table 3. Reclamation Goal for Sagebrush/Grass Community

Functional Group	*Percent (%) Foliar Cover*	*Common Species*
Trees/Shrubs/Grasses/Forbs	≥35	Utah Juniper-Pinyon pine; big sagebrush, four-wing saltbush , antelope bitterbrush, alkali sacaton, Western wheatgrass, Indian ricegrass, galleta, sand dropseed, scarlet globemallow, 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 community. Examples of invasive species include cheatgrass, Russian thistle, kochia.

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. Halogeton glomeratus was found and will be treated with herbicides and revegetation with desirable perennials. (See attached Onsite Noxious Weed Form)

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 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. All production equipment, piping, gravel, and rig anchors will be removed from location. The entrance will be fenced off as well as a "keep out" sign posted.

4.2 Topsoil Replacement

No topsoil was stockpiled during the original construction of the well pad. The old rig pit will be covered with 2' of topsoil. The remaining location will be re-contoured to match the natural topography. EPIC Energy (and its contractor) will take care not to mix topsoil with the underlying subsoil horizons. Topsoil and sub surface soils will be replaced in the proper order, prior to final seedbed preparation.

4.3 Water Management/Erosion Control Features

Based on the site visit with the Bureau of Land Management representative and the EPIC Energy representative, it was determined that the site shall be recontoured and water diversions be created as well as installing large silt traps in recommended areas.

EPIC Energy (or its contractors) will use erosion control blankets, straw bales, or straw wattles as appropriate to limit erosion and sediment transport from any stockpiled soils.

4.4 Seedbed Preparation

For cut and fill slopes, initial seedbed preparation will consist of backfilling (dozer)/excavation (excavator)/hauling (belly scraper) and re-contouring areas to be reclaimed as well as non-vegetative areas to blend with the surrounding landscape. Emphasis would be placed on restoration of the existing drainage patterns and landforms to preconstruction conditions, to the extent practicable.

Seedbed preparation within compacted areas will be ripped to a minimum depth of 18 inches, with a maximum furrow spacing of 2 feet. Where practicable, ripping will be conducted in two passes at perpendicular directions. If large clumps/clods result from the ripping process, disking would be conducted perpendicular to slopes to provide terracing and minimize runoff and erosion. Final seedbed preparation would consist of raking or harrowing the spread topsoil prior to seeding to promote a firm (but not compacted) seedbed without surface crusting.

4.5 Soil Amendments

Based on information gathered at the onsite inspection, representatives from the Bureau of Land Management and EPIC Energy have decided collaboratively that no soil amendments will be used during reclamation of the affected environment.

4.6 Seeding

The seed mix chosen for this project is listed in Table 2. Seeding would occur at the time of interim and 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 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 clayey 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, EPIC Energy, LLC will contact BLM for a management and development plan for noxious or invasive weed.

4.9 Revegetation Success for Final Abandonment

To reach a final abandonment status for disturbance and reclamation on BLM-managed lands, reclamation efforts must 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 are 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 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, LLC or an exception granted before the BLM-FFO approves 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/BIA 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, LLC 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, LLC 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, LLC 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, LLC 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, LLC 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, LLC 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, LLC 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 pp.

Onsite Noxious Weed Form

If noxious weeds are found during the onsite, fill out form and submit to FFO weed coordinator
Operator Epic Energy, LLC Surveyor(s) _____
Well Name and Number West Fork #1 30-045-25632 Date 6/21/2023
Location: Township, Range, Section 26N-12W-14
Location of Project NAD 83 Decimal Degrees 36.4928627,-108.0847015

Class A Noxious Weed – Check Box if Found

	Alfombrilla		Diffuse knapweed		Hydrilla		Purple starthistle		Yellow toadflax
	Black henbane		Dyer's woad		Leafy spurge		Ravenna grass		
	Camelthorm		Eurasian watermilfoil		Oxeye daise		Scotch thistle		
	Canada thistle		Giant salvinia		Parrotfeather		Spotted knapweed		
	Dalmation toadflax		Hoary cress		Purple loosestrife		Yellow starthistle		

Class B Noxious Weed – Check Box if Found

	African rue		Perennial pepperweed		Russian knapweed		Tree of heaven
	Chicory		Musk thistle		Poison hemlock		
X	Halogeton		Malta starthistle		Teasel		

Comments:

FFO Representative: _____
sign and date

Operator Representative Shawna Martinez 6/21/2023
sign and date
Shawna Martinez

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

AFMSS 2 Sundry ID 2743275

Conditions of Approval to Notice of Intention to Plug and Abandon

Well: West Fork #001 (API#30-045-25623)

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 modification to your plugging program is made:

   a. Adjust Plug #2 (Mancos) to cover BLM formation top pick @ 4005' (Minimum 3915' - 4055'). Current plan of 15 sxs Class G Neat is sufficient.

   b. Add plug to cover BLM Kirtland formation top pick @ 475' (Minimum 10 sxs Class G Neat covering 425' – 525')

   c. Adjust #5 (Surface) to cover Ojo Alamo top @ 270' (Minimum Surface – 320' Inside/Outside).

3. **NOTIFICATION:** Farmington Office is to be notified at least 24 hours before the plugging operations commence at (505) 564-7750.

4. **Deadline of Completion of Operations:** Complete the plugging operation within one year from the approval date of the Notice of Intent to Plug and Abandon. If unable to meet deadline, notify the Bureau of Land Management's Farmington Field Office prior to the deadline via Sundry Notice (Form 3160-5) Notice of Intent detailing the reason for the delay and the date the well is to be plugged.

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.

M. Kade (mkade@blm.gov/505-564-7736) 7/28/2023

BLM FFO Fluid Minerals
P&A Geologic Report

AFMSS ID: 2743275 **Date Completed:** 7/28/2023

Well No.	West Fork #001	SHL	940	FNL	1560	FWL
API No.	3004525623		NENW	Sec. 14	T26N	R12W
Lease No.	NMNM 33015	BHL	Same			
Operator	Epic Energy LLC					
Elev. (KB)	6187	County	San Juan		State	NM
Total Depth	5365 PBTD 5333	Formation	Fruitland Coal/Gallup			

Formation Top	TVD (ft KB)	Remarks
San Jose Fm.		
Nacimiento Fm.	Surface	Freshwater
Ojo Alamo Ss	270	Freshwater
Kirtland Fm.	475	Water/possible gas
Fruitland Fm.	1130	Coal/gas/water
Pictured Cliffs Ss	1400	Possible gas/water
Lewis Shale	1532	
Chacra	1835	Possible gas
Cliff House Ss	2240	Possible gas
Menefee Fm.	2338	Coal/possible gas/water
Point Lookout Fm.	3905	Possible gas/water
Mancos Shale	4005	Oil & gas
Gallup	4955	Oil & gas
Greenhorn Ls		
Graneros Shale		
Dakota Ss		
Morrison Fm.		

Remarks:

- Gallup perfs 5083' - 5278'. Fruitland coal perfs 1382' - 1398'.
- Adjust Plug #2 (Mancos) to cover BLM formation top pick @ 4005'.
- Adjust Plug #3 (Cliff House) to cover BLM formation top pick @ 2240'.
- Adjust Plug #5 (Surface) to cover the Ojo Alamo top @ 270' and Kirtland top @ 475'.

Reference Well:

1) Formation Tops
Same

Prepared by: Chris Wenman

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1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
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District III
1000 Rio Brazos Rd., Aztec, NM 87410
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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 245525

CONDITIONS

Operator: EPIC ENERGY, L.L.C. 332 Road 3100 Aztec, NM 87410	OGRID: 372834
	Action Number: 245525
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
john.harrison	Please add additional plug or cmt to cover DV tool.	7/31/2023