

Well Name: ALAMOS CANYON	Well Location: T21N / R6W / SEC 7 / NENE / 36.069986 / -107.505661	County or Parish/State: SANDOVAL / NM
Well Number: 3	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM33383	Unit or CA Name:	Unit or CA Number:
US Well Number: 300432045600S1	Well Status: Gas Well Shut In	Operator: M & M PRODUCTION & OPERATION

Notice of Intent

Sundry ID: 2720625

Type of Submission: Notice of Intent	Type of Action: Plug and Abandonment
Date Sundry Submitted: 03/13/2023	Time Sundry Submitted: 05:53
Date proposed operation will begin: 03/13/2023	

**Procedure Description:** EOG Resources, Inc., requests to plug and abandon the ALAMOS CANYON #003 per attached procedure, existing & proposed wellbore and reclamation plan. EOG is record title holder and due to the operator failing to comply with requirements EOG is conducting final plugging actives as requested by BLM. Attached letter from BLM

Surface Disturbance

Is any additional surface disturbance proposed?: No

Oral Submission

Oral Notification Date:	Mar 13, 2023	Oral Notification Time:	12:00 AM
Contacted By:	Andrea Felix	Contact's Email:	Andrea_Felix@eogresources.com

NOI Attachments

Procedure Description

- EOG\_Resources\_Inc\_Alamos\_Canyon\_Email\_Conversation\_03062023\_20230313175259.pdf
- Alamos\_Canyon\_3\_P\_A\_20230313174039.pdf

Well Name: ALAMOS CANYON	Well Location: T21N / R6W / SEC 7 / NENE / 36.069986 / -107.505661	County or Parish/State: SANDOVAL / NM
Well Number: 3	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM33383	Unit or CA Name:	Unit or CA Number:
US Well Number: 300432045600S1	Well Status: Gas Well Shut In	Operator: M & M PRODUCTION & OPERATION

Conditions of Approval

Additional

21N06W07AKmv\_Alamos\_Canyon\_003\_20230314160117.pdf

Authorized

2720625\_NOIA\_3\_3004320456\_KR\_03142023\_20230314163112.pdf

General\_Requirement\_PxA\_20230314163052.pdf

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK

BLM POC Phone: 5055647742

Disposition: Approved

Signature: Kenneth Rennick

BLM POC Title: Petroleum Engineer

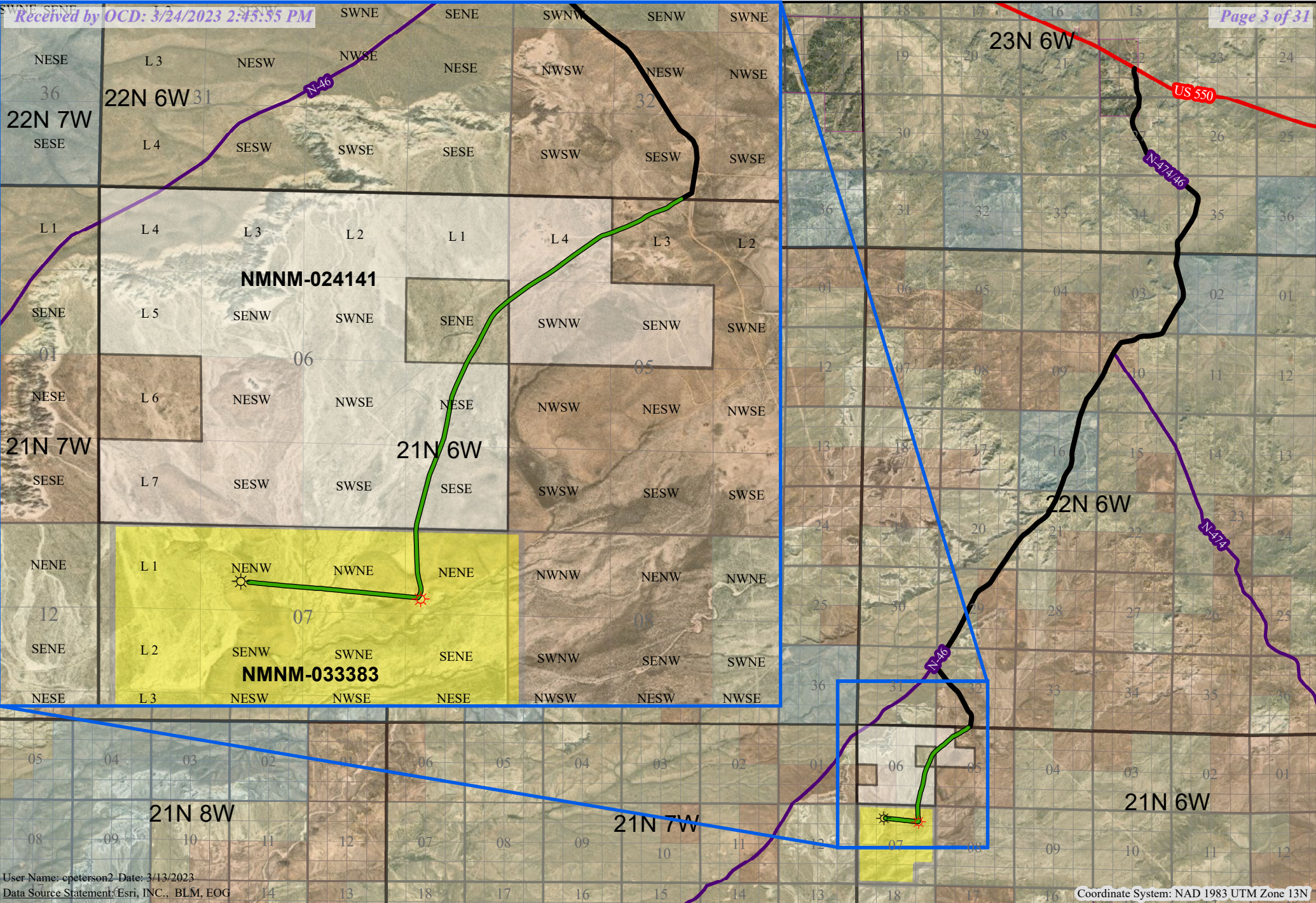
BLM POC Email Address: krennick@blm.gov

Disposition Date: 03/14/2023

Accepted for record – NMOCD


JRH 3/27/23





User Name: cpeterson2 Date: 3/13/2023  
Data Source Statement: Esri, INC., BLM, EOG

Coordinate System: NAD 1983 UTM Zone 13N




**Alamos Canyon #003**  
Alamos Canyon #007


☼ Alamos Canyon 3  
☼ Alamos Canyon 7  
— Alamos Canyon Access Route

— Road Work Needed  
□ NMNM-024141  
□ NMNM-033383  
— Indian Service Route

— US Highway  
□ BLM  
□ Tribal  
□ Private

State





Miles



Form 3160-5  
(June 2015)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires: January 31, 2018**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.**5. Lease Serial No.  
**NMNM033383**

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☐ X Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**M & M PRODUCTION & OPERATION**

3a. Address

3b. Phone No. (include area code)

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

8. Well Name and No.  
**Alamos Canyon #003**9. API Well No.  
**30-043-20456**10. Field and Pool or Exploratory Area  
**RUSTY CHACRA**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**1080 FNL 1110 FEL sec 7-21N-6W A**11. Country or Parish, State  
**SANDOVAL, NM****12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> X 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 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	<b>P&amp;A</b>	

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 detennined that the site is ready for final inspection.)

EOG Resources, Inc., requests to plug and abandon the ALAMOS CANYON #003 per attached procedure, existing & proposed wellbore and reclamation plan.

EOG is record title holder and due to the operator failing to comply with requirements EOG is conducting final plugging actives as requested by BLM.

Attached letter from BLM

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

**Lacey Granillo**Title **Regulatory Specialist**Signature *Lacey Granillo*

Date 3/13/23

**THE 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.



## **EOG Resources**

### **Plug And Abandonment Procedure**

#### **Alamos Canyon #003**

1080' FNL & 1110' FEL, Section 7, 21N, 06W

Sandoval County, NM / API 30-043-20456

1. Hold pre-job safety meeting. Comply with all NMOCD, BLM safety and environmental regulations. Test rig anchors prior to moving in rig if not rigged to base beam.
2. Check casing, tubing, and Bradenhead pressures.
3. Remove existing piping on casing valve. RU blow lines from casing valves and begin blowing down casing pressure. Kill well as necessary. Ensure well is dead or on a vacuum.
4. ND wellhead and NU BOP. Function test BOP.
5. P/U 4-1/2" bit or casing scraper on 2-3/8" work string and round trip as deep as possible above top perforation at 1,282'.
6. P/U 4-1/2" CR, TIH and set CR at +/- 1,232'. Pressure test tubing to 1000 psi. Sting out of CR. Load hole, and pressure test casing to 800 psi. If casing does not test, then spot or tag subsequent plugs as appropriate. POOH w/ tubing.
7. Rig up to pump cement down tubing. Pump water to establish rate down tubing.

# Existing Wellbore Diagram

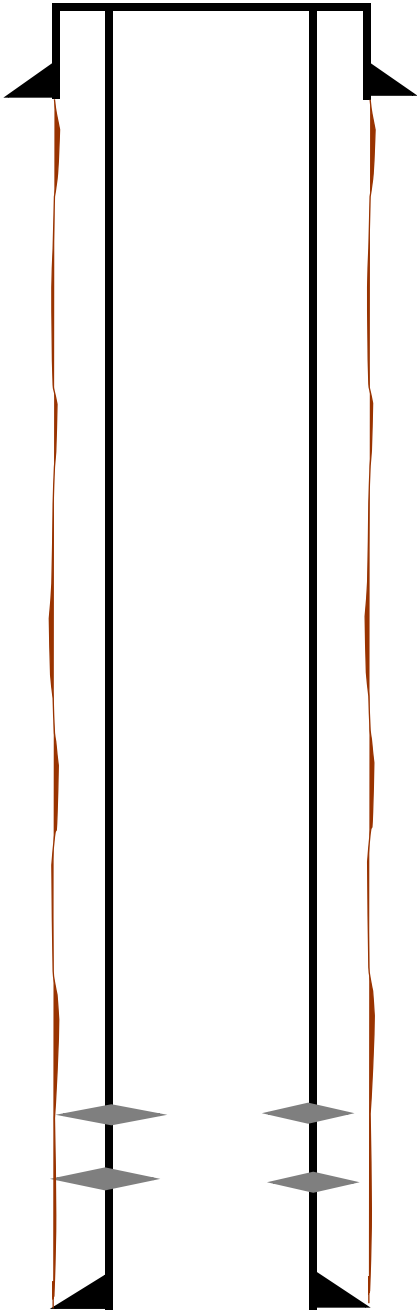
EOG Resources INC  
Alamos Canyon #003  
API: 30-043-20456  
Sandoval County, New Mexico

Surface Casing

8.625" 24# @ 131 ft  
OH: 12.25"

Formation

Kirtland - 535'  
Fruitland - 845'  
Pictured Cliffs - 850'  
Chacra Mesa - 1260'



Rust Chacra Perforations  
1282 feet - 1312 feet

Production Casing  
4.5" 10.5# @ 1519 feet  
OH: 6.75"

TD- 1534'  
PBTD- 1474'



Proposed Wellbore Diagram

EOG Resources INC  
Alamos Canyon #003  
API: 30-043-20456  
Sandoval County, New Mexico

Surface Casing

8.625" 24# @ 131 ft  
OH: 12.25"

Formation

Kirtland - 535'  
Fruitland - 845'  
Pictured Cliffs - 850'  
Chacra Mesa - 1260'

Plug 4

181 feet - Surface  
181 foot plug  
48 Sacks of Type III Cement

Plug 3

585 feet - 435 feet  
150 foot plug  
11 Sacks of Type III Cement

Plug 2

900 feet - 745 feet  
155 foot plug  
11 Sacks of Type III Cement

Plug 1

1232 feet - 1160 feet  
72 foot plug  
5 sacks of Type III Cement

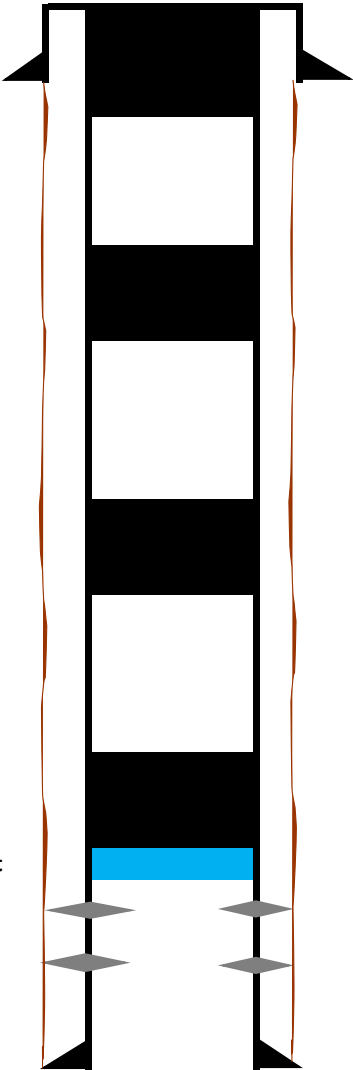
CIBP @ 1232 feet

Rusty Chacra Perforations

1282 feet - 1312 feet

Production Casing

4.5" 10.5# @ 1519 feet  
OH: 6.75"



TD- 1534'  
PBTD- 1474'



## **SURFACE RECLAMATION PLAN**

### **ALAMOS CANYON #003**

**March 2023**

**104 S 4<sup>th</sup> Street  
Artesia, NM 88210  
Phone: (575)-748-4196**



**Alamos Canyon #003  
30-043-20456**

**Section: 7, Township: 21N, Range: 06W, Unit: A  
Footage: 1080 FNL & 1110' FEL  
Lat 36.0699806, Long -107.5056458 NAD83**

EOG Resources Inc., (EOG) Christopher Peterson along with BLM-Farmington Field Office (BLM-FFO) representative, Randy McKee, conducted a final reclamation field visit of the subject well on March 8<sup>th</sup>, 2023. Final reclamation techniques were discussed and are captured in this reclamation plan.

### **Final Reclamation**

The entire well pad will be reclaimed to Bare Soil Reclamation Procedure (BSRP) reclamation standard upon abandonment/relinquishment. Final reclamation will be completed in accordance with The Gold Book 4<sup>th</sup> Ed. Revised (2007). EOG will contact the BLM-FFO prior to commencing earthwork.

EOG will perform the following reclamation activities:

1. Underground production piping on pad will be pulled and removed. Underground production piping off pad will be cut and capped. Piping off pad will also remain buried. All fluids found within pipelines will be removed.
2. Anchors, tie downs and risers will be removed.
3. All facility surface equipment will be removed.
4. All oilfield related trash will be removed from location and disposed of at an approved disposal facility.
5. All gravel on the well pad surface will be removed.
6. Fill material will be recontoured to the original topography of the site prior to development.
7. The well pad will be ripped to reduce compaction and to establish a suitable root zone in preparation for topsoil replacement.
8. Natural drainage patterns will be restored as near as possible to pre-disturbance conditions on the well pad. In areas where restoring the natural drainage will cause excessive disturbance and disrupt current or established natural rehabilitation processes, water bars or diversion ditches will be employed.
9. Topsoil will be redistributed across the pad surface and disked to prepare the soil for seeding. Prior to seeding, all disturbed areas will be left with a rough surface to facilitate moisture and seed retention; vegetative brush will be placed at expected discharge areas to minimize sediment transport.
10. After the well pad is recontoured, the surface will be plowed or ripped to a depth of 12" before reseeding. Seeding will be done with a disc type drill with two boxes for various seed sizes. The drill rows will be eight to ten inches apart. The seed will be planted between one-half inch deep and three-quarter insure uniform coverage of the seed, and adequate compaction. Drilling of the seed will be done on the contour where possible. Where slopes are too steep for contour drilling a "cyclone" hand seeder or similar broadcast seeder will be used, using twice the recommended seed per acre. Seed will then be covered to a depth described above by whatever means is practical. Seed to be used will be BLM-FFO general seed mix (see Table 1). Seeding

will be accomplished as soon as reasonable possible following completion of earthwork activities. Due to high grazing activity in the area, the reclaimed well pad will be fenced in to achieve successful reclamation without grazing disturbance. Fencing will meet standards found on Figure 1 of The Gold Book 4<sup>th</sup> Ed. Revised (2007). The BLM- FFO will be notified prior to commencing with seed application and all surfaces will be seeded in accordance.

11. Temporary and/or permanent storm water and erosion control Best Management Practices (BMPs) will be employed across appropriate location around the pad as dictated by location drainage patterns and expected areas of disturbance and slopes. BMP selection will be determined by local factors and will be a combination of sediment and erosion controls deemed effective and low maintenance. Diversion ditches, soil blankets, and/or other suitable BMPs may be used in various combinations, as appropriate, during and after construction activities.
12. The well pad lease road will be re-contoured in accordance with The Gold Book 4<sup>th</sup> Ed. Revised (2007). A natural wooden debris barrier will be added to the beginning of the road to detour vehicular traffic.
13. A weed management program to control the introduction and spread of weed populations will be integrated if necessary and continue until successful reclamation is achieved.
14. A Plugged and Abandoned (P&A) well marker will be set in accordance with 43 CFR 3162.6(d) and Onshore Order Number Two. The well marker will be a standard DHM and include well information and GPS for future reference.

The long-term goal of final reclamation is to set the course for ecosystem restoration including the restoration of natural vegetation. EOG will avoid disturbance, to the greatest extent practicable in areas along the pad perimeter where healthy, mature, and weed-free vegetation has become established. EOG will focus reclamation efforts on de-compaction, removing sharp/angular features to approximate natural contours, re-establishing natural drainage patterns, and re-vegetating the abandoned well pad.

EOG will submit a reclamation complete sundry after final reclamation has been completed. Reclaimed areas will be monitored annually. Actions will be taken to ensure that reclamation standards are met as quickly as reasonably practical and are maintained during the life of the permit. Reclamation monitoring will be documented in an annual reclamation report submitted to the BLM-FFO by March 1 of each year. The report will document compliance with all aspects of the reclamation objectives and standards, identify whether the reclamation objectives and standards are likely to be achieved in the near future without additional actions, and identify actions that have been or will be taken to meet the objectives and standards. The report will also include acreage figures for Initial Disturbed Acres, Successful Topsoil Storage Area Seeded Acres, and Successfully Final Reclaimed Acres. Annual reports will not be submitted for sites approved by the BLM-FFO in writing as having met interim or final reclamation standards. Monitoring and reporting will continue annually until final reclamation is approved. At any time 30% or more of a reclaimed area is re-disturbed, monitoring will be reinitiated. The BLM-FFO will be informed when reclamation has been completed, appears to be successful, and the site is ready for final inspection. EOG will submit a Final Abandonment Notice (FAN) requesting approval of final abandonment/relinquishment to the BLM-FFO.



## Proposed Reclamation Seed Mix

Table 1. Reclamation Seed Mix.

Common Name	Scientific Name	Variety	Season	Form	PLS lbs/acre <sup>1</sup>
Fourwing saltbush	<i>Atriplex canescens</i>	VNS	Cool	Shrub	2.0
Winterfat	<i>Krascheninnikovia lanata</i>	VNS	Cool	Shrub	1.0
Alkali Sacaton	<i>Sporobolus airoides</i>	VNS	Warm	Bunch	0.25
Western wheatgrass	<i>Pascopyrum smithii</i>	Arriba	Cool	Sod- forming	2.0
Indian ricegrass	<i>Achnatherum hymenoides</i>	Paloma	Cool	Bunch	2.0
Blue grama	<i>Bouteloua gracilis</i>	Hachita	Warm	Sod-forming	1.0
Galleta grass	<i>Pleuraphis jamesii</i>	Viva	Warm	Bunch	2.0
Needle and Thread	<i>Hesperostipa cromata</i>	VNS	Cool	Bunch	2.5
<sup>1</sup> Based on 45 PLS per square foot, drill seeded; double this rate (90 PLS per square foot) if broadcast or hydro-seeded. * VNS = Variety not specified, choose a source from an area that would be suitable for the source site, generally from a higher elevation or latitude					

## Site Specific

During the March 8<sup>th</sup>, 2023, onsite visit, BLM-FFO and EOG representatives collaboratively decided the following procedures listed below for the well pad, well pad lease road, and pipeline associated with the Alamos Canyon #003 will be as such.

### Well Pad

- The well pad will remain as is. There will be no recontouring (push/fill) required. There is a small area on pad (close proximity to the wellhead) that will need to be ripped and reseeded. See map attached.
  - Note: BLM-FFO representative asked that EOG preserve as much of the natural vegetation on pad as possible while bringing equipment in for P&A procedure. EOG will be responsible for ripping and reseeding everything that is disturbed during the P&A procedure from Rig and trucking activity.
- Remove all oilfield related trash.
- Remove riser and all facility surface equipment.
- Remove produced water tank and associated piping.
- Remove all anchors.

- a) If hard to remove dig down 2' to 3' and cut with torch.
6. Note: There is non-oilfield related trash to the East, West and South of the permitted area. BLM-FFO representative advise that EOG is NOT responsible for this trash. Please refer to the map attached with trash piles outlined in RED.

### Well Pad Lease Road

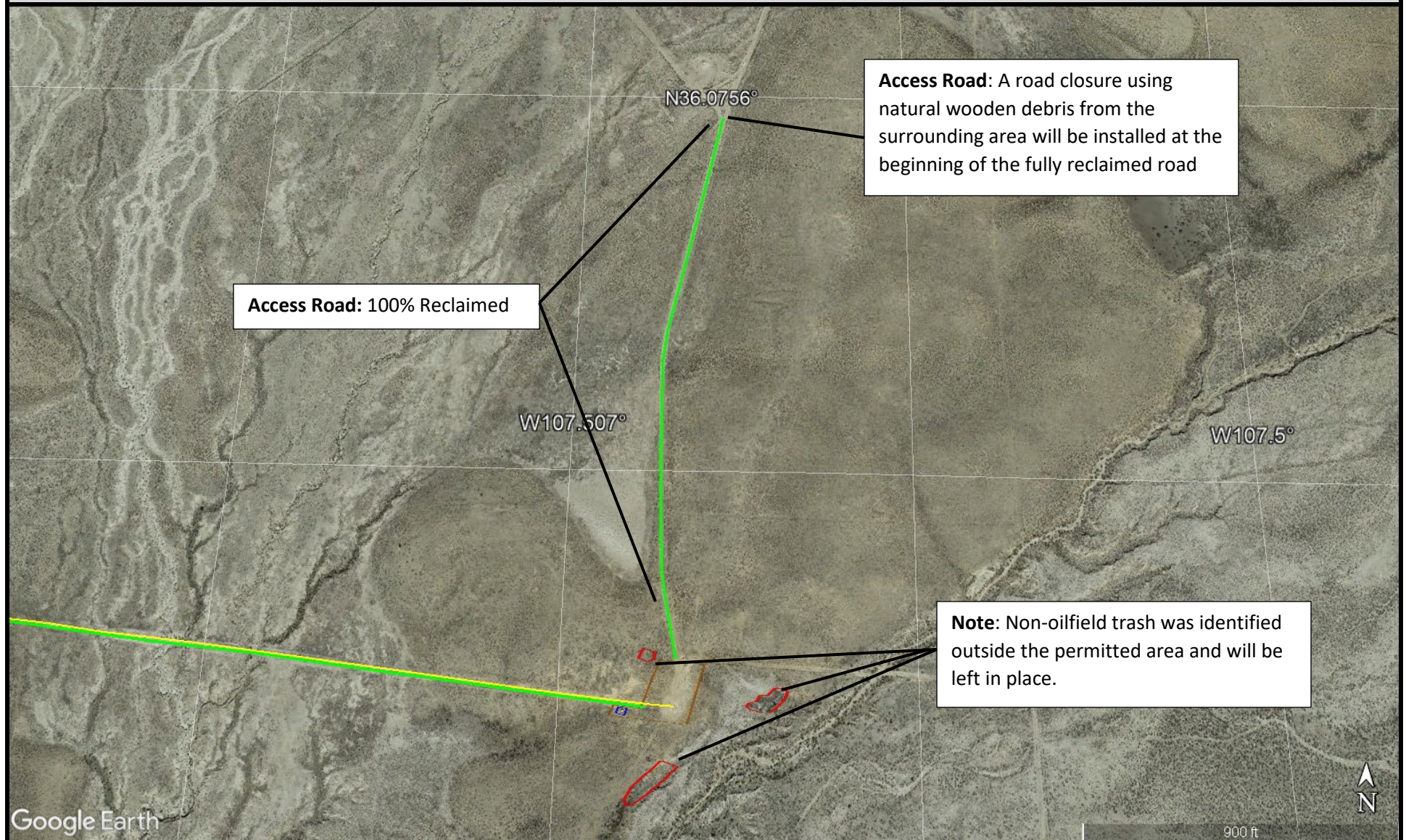
7. The well pad lease road will be fully reclaimed. Reclamation will begin at the following NAD83 GPS coordinates: Lat 36.075355, Long -107.504897 and end at the permitted pad.
8. A road closure using natural wooden debris from the surrounding area will be installed at the beginning of the fully reclaimed road. If the natural road closure is unsuccessful with keeping out unwanted traffic, BLM-FFO and EOG representatives will collaborate and discuss what other site-specific mitigations are necessary to achieve full reclamation and ensure standards are met for site stability, visual quality, hydrological functioning, and vegetative productivity.

### Pipeline

9. The production piping on pad at the Alamos Canyon #003 will be removed. The production piping off pad will be flushed, cut/capped, and remain buried.

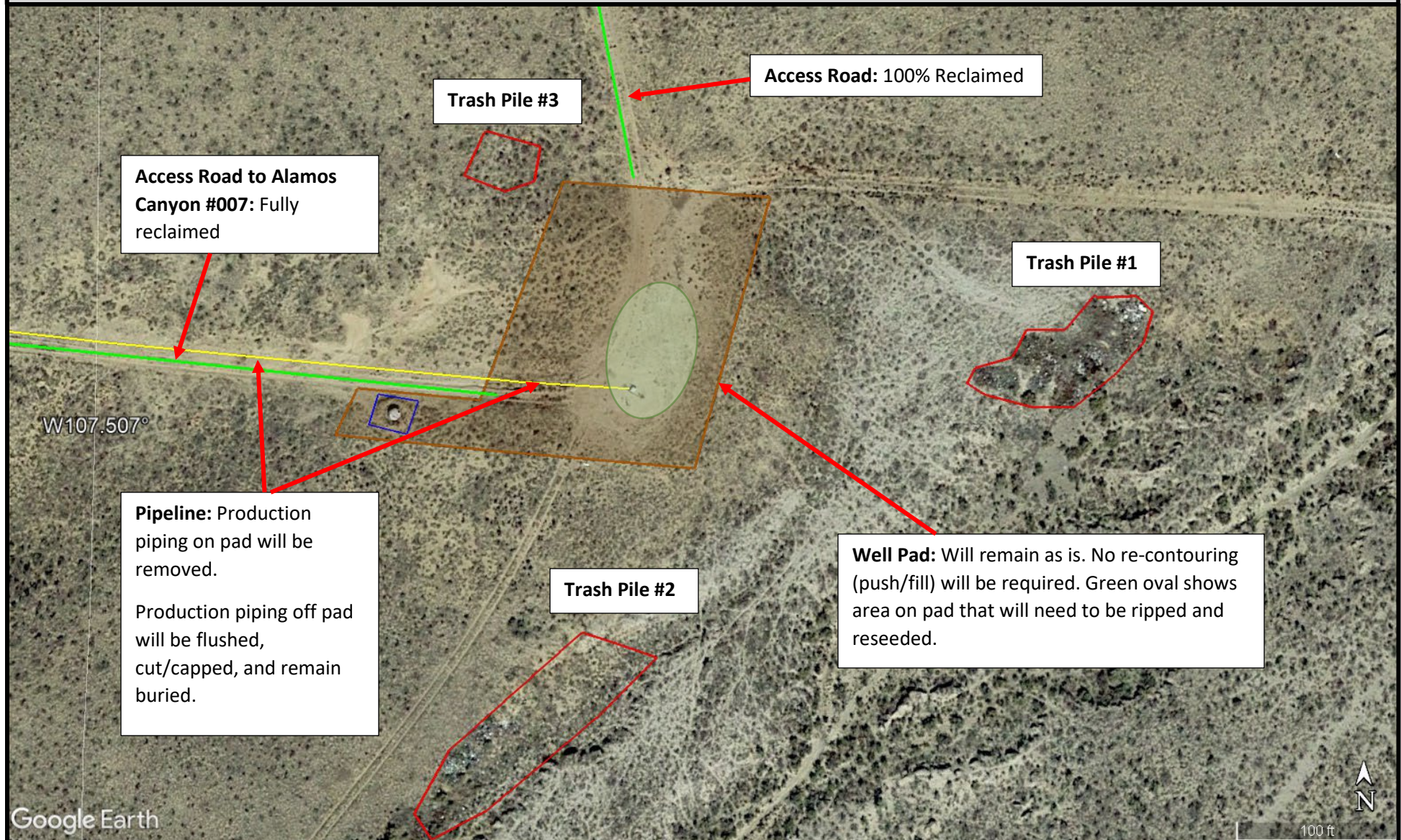


## ALAMOS CANYON #003





## ALAMOS CANYON #003







# United States Department of the Interior



BUREAU OF LAND MANAGEMENT  
Farmington Field Office  
6251 College Boulevard, Suite A  
Farmington, NM 87402

**In Reply Refer To:**  
NMNM 033383  
LLNMF01110

**MARCH 2, 2023**

**TO:**

EOG Resources, Inc  
104 S 4<sup>th</sup> St  
Attn: Andrea Felix  
Artesia, NM 88210

Cert. Mail: 9171 9690 0935 0273 5744 96

## NOTIFICATION

Our records show Richard Yates a record title owner of Federal oil and gas lease NMNM 033383. See attached adjudication. As a courtesy, we are notifying EOG Resources as the primary entity after merger that the approved oil and gas operator on this lease, M & M Production & Operating, Inc., has not complied with issued Written Orders. As a result of their failure to respond to the Written Orders, additional enforcement actions and assessments were issued including Civil Penalties.

Per 43 CFR 3163.1(a)(5), continued noncompliance may subject the leases to cancellation and forfeiture under the bond. As owner of record title, EOG Resources bears the ultimate responsibility for performance under the lease terms, including the plugging and abandonment of unplugged well bore(s), removal of associated surface facilities, and restoration of the surface. See 43 C.F.R. 3106.7-6 paragraphs (a) and (b). The unplugged wellbores are listed on the next page.

<u>US Well Number</u>	<u>Well Name</u>	<u>Well Number</u>	<u>Location</u>
3004320456	ALAMOS CANYON	3	21N 6W Sec 7 NE NE
3004320488	ALAMOS CANYON	7	21N 6W Sec 7 NE NW

If you have any questions, please contact Mr. Kenneth Rennick, Petroleum Engineer, at (505) 564-7742 or [krennick@blm.gov](mailto:krennick@blm.gov).

Sincerely,



David J. Mankiewicz  
Assistant Field Manager

**ENCLOSED:**

NMNM 033383 Record Title and Operating Right Adjudication

**CC:**

Marie Florez, EOG Resources

Andrea Felix, EOG Resources

Well Files     Alamos Canyon 3 (API 30-043-20456),  
                    Alamos Canyon 7 (API 30-043-20488)  
Lease File     NMNM 033383

Mustafa Haque, BLM New Mexico State Office  
Jose Rios, BLM New Mexico State Office  
Ross Klein, BLM New Mexico State Office  
Virgil Lucero, BLM Farmington Field Office  
Shannon Fachan, BLM Farmington Field Office

**TRANSFER OF OPERATING RIGHTS WORKSHEET****SERIAL NO. NMNM033383**

_____	932	TRF OPERATING RIGHTS FILED	
_____	933	TRF OPERATING RIGHTS APRVD	EFF _____
_____	557	TRF OPERATING RIGHTS WITHDRAWN	
_____	558	TRF OPERATING RIGHTS RETURNED UNAPRVD	
_____	957	TRF OPERATING RIGHTS DENIED;	

FROM: \_\_\_\_\_

TO: \_\_\_\_\_

**RECORD TITLE****T. 21 N., R. 6 W., NMPM****Sec. 7: Lots 1-4, NE, E2W2, W2SE, NESE.****Containing 598.68 acres**

Richard Yates

100.00%

TOTAL:

100.00%

**OPERATING RIGHTS HELD****T. 21 N., R. 6 W., NMPM****Sec. 7: Lots 1-2, E2NW.****Containing 159.42 acres****All depths**

M&amp;M Production &amp; Operation Inc.

75.047%

Andover Resources Corporation

21.8280%

F. Harrell

3.125%

TOTAL:

100.00%

**T. 21 N., R. 6 W., NMPM****Sec. 7: Lots 3- 4, E2SW, W2SE, NESE.****Containing 279.26 acres****All depths**

Petro Quatro LLC

100.00%

TOTAL:

100.00%



**T. 21 N., R. 6 W., NMPM****Sec. 7: NE.****Containing 160.00 acres**All depths

M&M Production & Operation Inc.	76.4375%
Andover Resources Corporation	20.4375%
F. Harrell	3.125%
TOTAL:	100.00%

**T. 21 N., R. 6 W., NMPM****Sec. 7: Lots 3- 4, E2SW, W2SE, NESE.****Containing 279.26 acres**All depths

Petro Quatro LLC	100.00%
TOTAL:	100.00%

LAND LAW EXAMINER: /s/Lauren LeibDATE: 3/19/2022NOTES:

**10/19/1984:** OR – OR – Jack A. and Barbara Cole to Jack A. and Barbara J. Cole Trust. Jack Cole sought to convey 20.4375% of 24.4375% in the NE of Sec. 7, and 21.8280% of 21.8280% in the NW of Sec. 7. Cole actually held 100% interest to convey. Recorded transfer according to stated interest conveyed with transferor retaining the difference.

**05/14/1993:** OR – Jack A. and Barbara Cole to Holcomb Oil & Gas Inc. Cole sought to convey 100% of 100% in NW, NE of Sec. 7, but only held 75.047% and 76.4375% to convey, respectively. Recorded transfer according to actual interest held. Curative transfer(s) would be needed to correct title.

**01/31/1994:** OR – Holcomb Oil & Gas Inc. to Garrett Petroleum Inc. Holcomb sought to convey 100% of 100% in NW, NE of Sec. 7, but only held 75.047% and 76.4375% to convey, respectively. Recorded transfer according to actual interest held. Curative transfer(s) would be needed to correct title.

**07/29/1996:** OR – Garrett Petroleum Inc. to M&M Production & Operation Inc. Garrett Petro sought to convey 100% of 100% in NW, NE of Sec. 7, but only held 75.047% and 76.4375% to convey, respectively. Recorded transfer according to actual interest held. Curative transfer(s) would be needed to correct title.

**07/05/2013:** OR – Richard Yates to Petro Quatro LLC. Richard Yates sought to convey 100% of 100% in all lands, but only held interest in Lots 3- 4, E2SW, W2SE, NESE of Sec. 7. Recorded transfer according to actual interest held. Curative transfer(s) would be needed to correct title.

8. Circulate wellbore with water.

**NOTE: All Plugs Include 100% excess outside casing and 50% Excess inside casing**

9. Plug 1 (**Chacra Mesa Perforations and Formation Top 1,232'-1,160', 5 Sacks Type III Cement**)

Mix 5 sx Type III cement and spot a balanced plug inside casing to cover the Chacra Mesa perforations and formation top.

10. Plug 2 (**Pictured Cliffs and Fruitland Formation Tops 900'-745', 11 Sacks Type III Cement**)

Mix 11 sx Type III cement and spot a balanced plug inside casing to cover the Pictured Cliffs and Fruitland formation tops.

11. Plug 3 (**Kirtland Formation Top 585'-435', 11 Sacks Type III Cement**)

Mix 11 sx Type III cement and spot a balanced plug inside casing to cover the Kirtland formation top.

12. Plug 6 (**Surface Casing Shoe 181'-Surface, 48 Sacks Type III Cement**)

Attempt to pressure test the bradenhead annulus to 300 psi; note the volume to load. If BH annulus holds pressure, then establish circulation out casing valve with water. Mix approximately 48 sx cement and spot a balanced plug from 181' to surface, circulate good cement out of casing valve. TOH and LD tubing. Shut well in and WOC. If BH annulus does not test, then perforate at the appropriate depth and attempt to circulate cement to surface filling the casing from 181' and the annulus from the squeeze holes to surface. Shut in well and WOC.

13. ND cementing valves and cut off wellhead. Fill annuli with cement as necessary. Install P&A marker to comply with regulations. Record GPS coordinate for P&A marker on tower report. Photograph P&A marker in place. RD, MOL and restore location per BLM stipulations.

# BLM FLUID MINERALS P&A Geologic Report

**Date Completed:** 3/14/2023

Well No. Alamos Canyon #003 (API# 30-043-20456)	Location	1080	FNL	&	1110	FEL
Lease No. NMNM033383	Sec. 07	T21N			R06W	
Operator M & M Production & Operation	County	Sandoval		State	New Mexico	
Total Depth 1534'	PBTD 1474'	Formation Chacra				
Elevation (GL)		Elevation (KB) 6774'				

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose					
Nacimiento			Surface	310	Surface/possible freshwater sands
Ojo Alamo Ss			310	535	Aquifer (possible freshwater)
Kirtland Shale			535	723	Possible gas
Fruitland			723	850	Coal/Gas/Water
Pictured Cliffs Ss			850	1030	Probable Gas
Lewis Shale			1030	1260	
Chacra			1260	PBTD	Gas
Cliff House Ss					
Menefee					
Point Lookout Ss					
Mancos Shale					
Gallup					
Greenhorn					
Graneros Shale					
Dakota Ss					
Morrison					

Remarks:

P & A

- Sundry ID: 2720625
- Note: EOG Resources, Inc. is plugging this well as record title owner of the lease.
- Bring the top of Plug #2 (Pictured Cliffs) up to 623' to cover BLM pick for the top of the Fruitland in addition to the Pictured Cliffs.
- Adjust Plug #3, or add a plug, to cover the entire Ojo Alamo formation in addition to the top of the Kirtland.
- Chacra perms 1282' – 1312'.

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 2720625

Attachment to notice of Intention to Abandon

Well: Alamos Canyon 3

**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. Bring the top of Plug #2 (Pictured Cliffs) up to 623' cover BLM pick for the top of the Fruitland in addition to the Pictured Cliffs.
  - b. Adjust Plug #3, or add a plug, to cover the entire Ojo Alamo formation in addition to the top of the Kirtland.
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 3/14/2023





# United States Department of the Interior



BUREAU OF LAND MANAGEMENT  
Farmington Field Office  
6251 College Boulevard, Suite A  
Farmington, NM 87402

**In Reply Refer To:**  
NMNM 033383  
LLNMF01110

**MARCH 2, 2023**

**TO:**

EOG Resources, Inc  
104 S 4<sup>th</sup> St  
Attn: Andrea Felix  
Artesia, NM 88210

Cert. Mail: 9171 9690 0935 0273 5744 96

## NOTIFICATION

Our records show Richard Yates a record title owner of Federal oil and gas lease NMNM 033383. See attached adjudication. As a courtesy, we are notifying EOG Resources as the primary entity after merger that the approved oil and gas operator on this lease, M & M Production & Operating, Inc., has not complied with issued Written Orders. As a result of their failure to respond to the Written Orders, additional enforcement actions and assessments were issued including Civil Penalties.

Per 43 CFR 3163.1(a)(5), continued noncompliance may subject the leases to cancellation and forfeiture under the bond. As owner of record title, EOG Resources bears the ultimate responsibility for performance under the lease terms, including the plugging and abandonment of unplugged well bore(s), removal of associated surface facilities, and restoration of the surface. See 43 C.F.R. 3106.7-6 paragraphs (a) and (b). The unplugged wellbores are listed on the next page.

<u>US Well Number</u>	<u>Well Name</u>	<u>Well Number</u>	<u>Location</u>
3004320456	ALAMOS CANYON	3	21N 6W Sec 7 NE NE
3004320488	ALAMOS CANYON	7	21N 6W Sec 7 NE NW

If you have any questions, please contact Mr. Kenneth Rennick, Petroleum Engineer, at (505) 564-7742 or [krennick@blm.gov](mailto:krennick@blm.gov).

Sincerely,



David J. Mankiewicz  
Assistant Field Manager

**ENCLOSED:**

NMNM 033383 Record Title and Operating Right Adjudication

**CC:**

Marie Florez, EOG Resources

Andrea Felix, EOG Resources

Well Files     Alamos Canyon 3 (API 30-043-20456),  
                    Alamos Canyon 7 (API 30-043-20488)  
Lease File     NMNM 033383

Mustafa Haque, BLM New Mexico State Office  
Jose Rios, BLM New Mexico State Office  
Ross Klein, BLM New Mexico State Office  
Virgil Lucero, BLM Farmington Field Office  
Shannon Fachan, BLM Farmington Field Office

**TRANSFER OF OPERATING RIGHTS WORKSHEET**

**SERIAL NO. NMNM033383**

_____	932	TRF OPERATING RIGHTS FILED	
_____	933	TRF OPERATING RIGHTS APRVD	EFF _____
_____	557	TRF OPERATING RIGHTS WITHDRAWN	
_____	558	TRF OPERATING RIGHTS RETURNED UNAPRVD	
_____	957	TRF OPERATING RIGHTS DENIED;	

FROM: \_\_\_\_\_

TO: \_\_\_\_\_

**RECORD TITLE**

**T. 21 N., R. 6 W., NMPM**

**Sec. 7: Lots 1-4, NE, E2W2, W2SE, NESE.**

**Containing 598.68 acres**

Richard Yates

100.00%

TOTAL:

100.00%

**OPERATING RIGHTS HELD**

**T. 21 N., R. 6 W., NMPM**

**Sec. 7: Lots 1-2, E2NW.**

**Containing 159.42 acres**

**All depths**

M&M Production & Operation Inc.

75.047%

Andover Resources Corporation

21.8280%

F. Harrell

3.125%

TOTAL:

100.00%

**T. 21 N., R. 6 W., NMPM**

**Sec. 7: Lots 3- 4, E2SW, W2SE, NESE.**

**Containing 279.26 acres**

**All depths**

Petro Quatro LLC

100.00%

TOTAL:

100.00%

**T. 21 N., R. 6 W., NMPM****Sec. 7: NE.****Containing 160.00 acres**All depths

M&M Production & Operation Inc.	76.4375%
Andover Resources Corporation	20.4375%
F. Harrell	3.125%
TOTAL:	100.00%

**T. 21 N., R. 6 W., NMPM****Sec. 7: Lots 3- 4, E2SW, W2SE, NESE.****Containing 279.26 acres**All depths

Petro Quatro LLC	100.00%
TOTAL:	100.00%

LAND LAW EXAMINER: /s/Lauren LeibDATE: 3/19/2022NOTES:

**10/19/1984:** OR – OR – Jack A. and Barbara Cole to Jack A. and Barbara J. Cole Trust. Jack Cole sought to convey 20.4375% of 24.4375% in the NE of Sec. 7, and 21.8280% of 21.8280% in the NW of Sec. 7. Cole actually held 100% interest to convey. Recorded transfer according to stated interest conveyed with transferor retaining the difference.

**05/14/1993:** OR – Jack A. and Barbara Cole to Holcomb Oil & Gas Inc. Cole sought to convey 100% of 100% in NW, NE of Sec. 7, but only held 75.047% and 76.4375% to convey, respectively. Recorded transfer according to actual interest held. Curative transfer(s) would be needed to correct title.

**01/31/1994:** OR – Holcomb Oil & Gas Inc. to Garrett Petroleum Inc. Holcomb sought to convey 100% of 100% in NW, NE of Sec. 7, but only held 75.047% and 76.4375% to convey, respectively. Recorded transfer according to actual interest held. Curative transfer(s) would be needed to correct title.

**07/29/1996:** OR – Garrett Petroleum Inc. to M&M Production & Operation Inc. Garrett Petro sought to convey 100% of 100% in NW, NE of Sec. 7, but only held 75.047% and 76.4375% to convey, respectively. Recorded transfer according to actual interest held. Curative transfer(s) would be needed to correct title.

**07/05/2013:** OR – Richard Yates to Petro Quatro LLC. Richard Yates sought to convey 100% of 100% in all lands, but only held interest in Lots 3- 4, E2SW, W2SE, NESE of Sec. 7. Recorded transfer according to actual interest held. Curative transfer(s) would be needed to correct title.



**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<sub>2</sub>S.

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.

**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**

COMMENTS  
  
Action 200711

COMMENTS

Operator: M & M PRODUCTION & OPERATION 5006 Sandalwood Dr Farmington, NM 87402	OGRID: 13673
	Action Number: 200711
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

COMMENTS

Created By	Comment	Comment Date
john.harrison	Accepted for record - NMOCD JRH 3/27/23 BLM approved P&A 3/14/23	3/27/2023

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CONDITIONS  
  
Action 200711

CONDITIONS

Operator: M & M PRODUCTION & OPERATION 5006 Sandalwood Dr Farmington, NM 87402	OGRID: 13673
	Action Number: 200711
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
jagarcia	OCD approval of EOG to plug this well for the registered operator is based on BLM's order for EOG to plug the well as the lease holder and their subsequent approval of the EOG's plugging sundry.	3/24/2023
john.harrison	NMOCD approved with like conditions from BLM. Please adjust plan at BLM's request. If areas are discovered with no cmt behind pipe, perf & squeeze with 50/50 in/out plug.	3/27/2023