

Form 3160-5
(June 2019)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021**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. NMSF078764
6. If Indian, Allottee or Tribe Name**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		7. If Unit of CA/Agreement, Name and/or No. NMNM78407E
2. Name of Operator LOGOS OPERATING, LLC		8. Well Name and No. ROSA UNIT 664H
3a. Address 2010 AFTON PLACE FARMINGTON, NM 87401	3b. Phone No. (include area code) (505) 278-8720	9. API Well No. 30-039-31418
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SEC 30 T31N R05W NESW (K) 2260 FSL 966 FWL		10. Field and Pool or Exploratory Area BASIN MANCOS
		11. Country or Parish, State RIO ARRIBA COUNTY, 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"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off Well	
	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Integrity	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other - Intermediate	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Casing	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate 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 recomplate in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

5/30/22 - Walk rig over from Rosa Unit 662H. RU. NU BOP. PT. Test good.

5/31/22 - **PT surf csg to 1500psi/30mins. Test passed.** Tag cmt @ 265'. Drill cmt f/260' t/511'. TOO. TIH. Drill 12.25" hole f/511' t/911'. Circ. TOO.

6/1- 2/22 - Drill 12.25" intermediate hole f/911' t/5185'. Circulate.

6/3/22 - Wash & ream f/5030' t/5187'. Drill 12.25" hole f/5187' t/5845'.

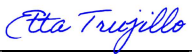
6/4/22 - Mix & circ down LCM pipe with no circ. POOH to 2790'. Pump 174bbls to fill hole. TOO. Wash & ream f/1981' t/2579'.

6/5/22 - Wash & ream f/4958' t/5845'. Drill f/5845' t/6113'. Mix & spot 100bbls LCM sweep f/6113' t/542'. Circ. Drill 12.25 f/6113' t/6258' 6/6/22 Circ. Drill f/6258 t/6425' INT TD. Circ. TOO. RU csg crew.

6/7/22 - TIH w/151jts 9-5/8" N-80 43.5# csg land @ 6404' w/FC @ 6316'. DV tools @ 4758' & 3191'. RD csg crew. Circ. RU cementers. Stage1 CMT lead w/284sxs(116bbls, 653cf) 65/35 Lead @ 12.0ppg, 2.30yld, and Tail w/586sxs(120bbls, 674cf) Premium G @ 15.8ppg, 1.15yld. Drop plug, displace w/470bbls water & mud. Circ water & dye spacer to surface from DV tool. Bump plug @ 21:42.

6/8/2022 - Stage2 CMT lead w/229sxs(94bbls, 527cf) 65/35 Lead @ 12.0ppg, 2.30yld, and Tail w/293sxs(90bbls, 507cf) 65/35 @ 13.2ppg, 1.73yld. Drop plug, displace w/349bbls water & mud. Circ 10bbls of dye to surf from DV tool. TOC @ 3234' based on spacer to surf. Bump plug @ 09:51. Stage3 CMT lead w/876sxs(359bbls, 2015cf) 65/35 Lead @ 12.0ppg, 2.30yld, and Tail w/350sxs(108bbls, 606cf) 65/35 @ 13.2ppg, 1.73yld. Drop plug, displace w/240bbls FW. Bump plug @21:10hr. Circ 50bbls of cmt to surface.

6/9-10/22 - Close/drill out DV tool and cmt to 6316'. **Test INT csg to 1500psi/30mins.** Drill cmt f/6316' t/6395'. RU WL. Run RCLB f/2930' t/6325 w/prior approval from BLM (Virgil Lucero) and NMOCD (Kate Pickford) on 6/10/22. See attached. RD WL.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Etta Trujillo		Title Regulatory Specialist
Signature 		Date 9/19/2022

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.

(Instructions on page 2)

Well Name: ROSA UNIT	Well Location: T31N / R05W / SEC 30 / NESW / 36.869558 / -107.404482	County or Parish/State: RIO ARRIBA / NM
Well Number: 664H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF0078764	Unit or CA Name:	Unit or CA Number: NMNM078407E
US Well Number: 300393141800X1	Well Status: Drilling Well	Operator: LOGOS OPERATING LLC

Subsequent Report

Sundry ID: 2693308

Type of Submission: Subsequent Report

Type of Action: Other

Date Sundry Submitted: 09/19/2022

Time Sundry Submitted: 01:21

Date Operation Actually Began: 05/30/2022

Actual Procedure: AMENDED 9/19/2022 5/30/22 - Walk rig over from Rosa Unit 662H. RU. NU BOP. PT. Test good. 5/31/22 - PT surf csg to 1500psi/30mins. Test passed. Tag cmt @ 265'. Drill cmt f/260' t/511'. TOO. TIH. Drill 12.25" hole f/511' t/911'. Circ. TOO. 6/1- 2/22 - Drill 12.25" intermediate hole f/911' t/5185'. Circulate. 6/3/22 - Wash & ream f/5030' t/5187'. Drill 12.25" hole f/5187' t/5845'. 6/4/22 - Mix & circ down LCM pipe with no circ. POOH to 2790'. Pump 174bbls to fill hole. TOO. Wash & ream f/1981' t/2579'. 6/5/22 - Wash & ream f/4958' t/5845'. Drill f/5845' t/6113'. Mix & spot 100bbls LCM sweep f/6113' t/542'. Circ. Drill 12.25 f/6113' t/6258' 6/6/22 Circ. Drill f/6258 t/6425' INT TD. Circ. TOO. RU csg crew. 6/7/22 - TIH w/151jts 9-5/8" N-80 43.5# csg land @ 6404' w/FC @ 6316'. DV tools @ 4758' & 3191'. RD csg crew. Circ. RU cementers. Stage1 CMT lead w/284sxs(116bbls, 653cf) 65/35 Lead @ 12.0ppg, 2.30yld, and Tail w/586sxs(120bbls, 674cf) Premium G @ 15.8ppg, 1.15yld. Drop plug, displace w/470bbls water & mud. Circ water & dye spacer to surface from DV tool. Bump plug @ 21:42. 6/8/2022 - Stage2 CMT lead w/229sxs(94bbls, 527cf) 65/35 Lead @ 12.0ppg, 2.30yld, and Tail w/293sxs(90bbls, 507cf) 65/35 @ 13.2ppg, 1.73yld. Drop plug, displace w/349bbls water & mud. Circ 10bbls of dye to surf from DV tool. TOC @ 3234' based on spacer to surf. Bump plug @ 09:51. Stage3 CMT lead w/876sxs(359bbls, 2015cf) 65/35 Lead @ 12.0ppg, 2.30yld, and Tail w/350sxs(108bbls, 606cf) 65/35 @ 13.2ppg, 1.73yld. Drop plug, displace w/240bbls FW. Bump plug @21:10hr. Circ 50bbls of cmt to surface. 6/9-10/22 - Close/drill out DV tool and cmt to 6316'. Test INT csg to 1500psi/30mins. Drill cmt f/6316' t/6395'. RU WL. Run RCBL f/2930' t/6325 w/prior approval from BLM (Virgil Lucero) and NMOCD (Kate Pickford) on 6/10/22. See attached. RD WL.

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Well Number: 664H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF0078764	Unit or CA Name:	Unit or CA Number: NMNM078407E
US Well Number: 300393141800X1	Well Status: Drilling Well	Operator: LOGOS OPERATING LLC

SR Attachments

Actual Procedure

3160_5_Rosa_Unit_664H_INT_Subsequent_Report_20220611____Amended_20220919132045.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: ETTA TRUJILLO	Signed on: SEP 19, 2022 01:20 PM
Name: LOGOS OPERATING LLC	
Title: Regulatory Specialist	
Street Address: 2010 AFTON PLACE	
City: Farmington	State: NM
Phone: (505) 324-4154	
Email address: ETRUJILLO@LOGOSRESOURCESLLC.COM	

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: Accepted	Disposition Date: 09/19/2022
Signature: Kenneth Rennick	

From: [Vanessa Fields](#)
To: [Etta Trujillo](#)
Subject: FW: [EXTERNAL] Fwd: LOGOS Rosa Unit 664H API 30-039-31418 intermediate cement operations/CBL
Date: Monday, June 20, 2022 8:42:41 AM
Attachments: [image001.png](#)
[Logos Operating LLC Rosa Unit 664H Intermediate Cement 06102022.pdf](#)
[ROSA UNIT #664 H.\(RADIAL\).pdf](#)

From: Pickford, Katherine, EMNRD <Katherine.Pickford@state.nm.us>
Sent: Friday, June 10, 2022 10:57 PM
To: Vanessa Fields <vfields@logosresourcesllc.com>
Cc: Powell, Brandon, EMNRD <Brandon.Powell@state.nm.us>; Kuehling, Monica, EMNRD <monica.kuehling@state.nm.us>; Wrinkle, Justin, EMNRD <Justin.Wrinkle@state.nm.us>
Subject: FW: [EXTERNAL] Fwd: LOGOS Rosa Unit 664H API 30-039-31418 intermediate cement operations/CBL

Vanessa,
Per our phone conversation tonight, LOGOS has permission to proceed on this well.
BLM has already approved continuation, based on our phone call.
The PC does not appear to have good coverage, as we discussed, but all wells in the PC in that area are LOGOS wells.
Kate

From: Vanessa Fields <vfields@logosresourcesllc.com>
Sent: Friday, June 10, 2022 10:38 PM
To: Pickford, Katherine, EMNRD <Katherine.Pickford@state.nm.us>
Subject: [EXTERNAL] Fwd: LOGOS Rosa Unit 664H API 30-039-31418 intermediate cement operations/CBL

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Sent from my iPhone

Begin forwarded message:

From: Vanessa Fields <vfields@logosresourcesllc.com>
Date: June 10, 2022 at 10:21:00 PM MDT
To: vlucero@blm.gov, "Kuehling, Monica, EMNRD" <monica.kuehling@state.nm.us>
Cc: Krista McWilliams <kmcwilliams@logosresourcesllc.com>, Justin Barmore <jbarmore@logosresourcesllc.com>, Randy Edgeington <redgeington@logosresourcesllc.com>, Etta Trujillo <etrujillo@logosresourcesllc.com>
Subject: LOGOS Rosa Unit 664H API 30-039-31418 intermediate cement

operations/CBL

Good evening,

Please find attached the summary of operations and CBL that was performed on the 1st, 2nd and 3rd stage intermediate cement on the Rosa Unit # 664H.

Verbal approval was granted by Virgil Lucero to continue operations on June 10, 2022, at 9:45 pm.

All referenced documentation will be submitted to the BLM and NMOCD via Sundry report.

Thank you,

Vanessa Fields
Regulatory Manager
Email: vfields@logosresourcesllc.com
Office: 505-787-2218
Cell: 505-320-1243

Logos Operating, LLC

Rosa Unit 664H

API: 30-039-31418

9-5/8" 43.5# N80 BTC Intermediate casing landed at 6,404'.

Mancos top at 6,322' MD

Mesaverde (Chacra) top at 4,697' MD

Fruitland Coal at 3,127' MD

1st DV tool depth at 4,758' MD

2nd DV Tool depth at 3,191' MD

Logos Operating LLC completed the 9-5/8" intermediate cement jobs as follows:

1st Stage cement job on 06/07/2022:

20 bbls water and 20 bbls of dyed spacer

116.3 bbls of 12.0 ppg lead and 120 bbls of 15.8 ppg of tail

Bumped plug and opened DV tool at 4,758'. Circulated water and dyed spacer to surface from DV tool.

2nd Stage cement job on 06/08/2022:

10 bbls of water and 20 bbls of dyed spacer

93.8 bbls of 12.0 ppg lead and 90.2 bbls of 13.2 ppg of tail

Bumped plug and opened DV tool at 3,191'. Circulated 10 bbls of dyed spacer to surface from DV tool.
Estimated TOC at 3,234' MD based on spacer to surface.

3rd Stage cement on 06/08/2022:

20 bbls of spacer and 20 bbls of dyed spacer

359 bbls of 12.0 ppg lead and 108 bbls of 13.2 ppg of tail

Circulated 50 bbls of cement to surface. Bumped plug and bled back 2.5 bbls to surface.

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 144593

COMMENTS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 144593
	Action Type: [C-103] Sub. Drilling (C-103N)

COMMENTS

Created By	Comment	Comment Date
jagarcia	Approved, John Garcia, Petroleum Engineer	9/19/2022

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
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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

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Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 144593
	Action Type: [C-103] Sub. Drilling (C-103N)

CONDITIONS

Created By	Condition	Condition Date
jagarcia	None	9/19/2022