

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**

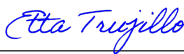
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		7. If Unit of CA/Agreement, Name and/or No. NMNM78407E
2. Name of Operator LOGOS OPERATING, LLC		8. Well Name and No. ROSA UNIT 662H
3a. Address 2010 AFTON PLACE FARMINGTON, NM 87401	3b. Phone No. (include area code) (505) 278-8720	9. API Well No. 30-039-31417
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SEC 30 T31N R05W NESW UNIT K 2300 FSL 946 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 - Production	
	<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 recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

7/16 - 17/22 - RU, NU BOP. Function test. DO DV tools. Test 9-5/8" csg to 1560psi/30mins. Test good. RU WL. Run INT CBL f/6120' t/surface. RD WL.
7/18/22 - TIH f/144' t/6045' with agitator. Circ & displace water w/11ppg OBM, wash f/6045' t/6151'. Drill cmt t/6251'. Drill 8.5" hole f/6251' t/6290'. TOOH.
Circ OBM out of hole @ 944'. RU WL.
7/19/22 - Set composite plug @ 973'. RIH & perf @ 693' (4 shots @ 120 phase). Circ, failed, trouble w/hole packing off & pressuring up after a few min of circ. Perf @ 396' (4 shots @ 120 phase). Set cmt retainer @ 504'. Test to 500psi. Rel cmt ret. Circ 4.5bpm @ 1510psi, 3 total circulations. Pump 255sxs Neat cmt, 15.8ppg, 1.15yld. Unstung out of CRT and left 50' of cmt on top of CRT. 12bbls of cmt to surface. Lay down cmt retainer tool. TIH to 407', Pump 52sxs Neat cmt, 11bbls, 15.8ppg, 1.15yield, displaced w/3bbls of FW. TOOH. Circ 25bbls. SIW. WOC.
7/20-21/22 - TIH & drill out cmt f/250' to CRT @ 504'. DO CRT. Cont to DO cmt t/650'. Test csg & perfs to 560psi/30min. Test good. Received approval from Brandon Powell (NMOCD) to proceed. Cont to drill f/650' t/6302', drill out CBP @ 973'.
7/22- 29/22 - Cont to drill 8.5" hole f/6302' t/18,682' Circ & condition hole. Ream f/18,557' t/18,682'. Cont drill f/18,682' t/19,223' (reached TD on 7/29/22). Circ & condition hole for 5.5" csg. LD drillpipe f/19,223' t/9,122'.
7/30/22 - LD f/9,122' t/3010'. Pump kill mud 155bbls of 13.1ppg. LD BHA. RU csg crew. TIH w/ 5.5" csg to 3,650'
7/31-8/1/22 - TIH w/317 5-1/2" P-110 20.0# BTC csg landed @ 19,185' w/FC @ 19,093', LC @ 19,070'. Toe sleeves @ 19,022' -19,026' & 18,974' - 18,978'. RD csg crew, RU circ swedge. Circ & pump 251bbl MRF before cmt job. Mix & pump 2,700 sxs Class G cmt (736bbls, 4131cf) 13.2ppg, 1.53 yield. Drop plug & displace 423bbls water. Bumped plug w/1000psi on 8/1/22 @ 1:07. 0 bbls of cmt to surface, 140bbls of MRF back to surf.
8/6/2022 - **PT Prod csg to 1575psi/30mins. Run CBL f/2410' t/7000' (Est TOC @ 2510').**

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Etta Trujillo		Title Regulatory Specialist
Signature 		Date 09/19/2022

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 / R5W / SEC 30 / NESW / 36.869668 / -107.404553	County or Parish/State: RIO ARRIBA / NM
Well Number: 662H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF0078764	Unit or CA Name:	Unit or CA Number: NMNM078707E
US Well Number: 300393141700X1	Well Status: Drilling Well	Operator: LOGOS OPERATING LLC

Subsequent Report

Sundry ID: 2693380

Type of Submission: Subsequent Report

Date Sundry Submitted: 09/19/2022

Date Operation Actually Began: 07/16/2022

Type of Action: Other

Time Sundry Submitted: 02:35

Actual Procedure: AMENDED 7/16 - 17/22 - RU, NU BOP. Function test. DO DV tools. Test 9-5/8" csg to 1560psi/30mins. Test good. RU WL. Run INT CBL f/6120' t/surface. RD WL. 7/18/22 - TIH f/144' t/6045' with agitator. Circ & displace water w/11ppg OBM, wash f/6045' t/6151'. Drill cmt t/6251'. Drill 8.5" hole f/6251' t/6290'. TOOH. Circ OBM out of hole @ 944'. RU WL. 7/19/22 - Set composite plug @ 973'. RIH & perf @ 693' (4 shots @ 120 phase). Circ, failed, trouble w/hole packing off & pressuring up after a few min of circ. Perf @ 396' (4 shots @ 120 phase). Set cmt retainer @ 504'. Test to 500psi. Rel cmt ret. Circ 4.5bpm @ 1510psi, 3 total circulations. Pump 255sxs Neat cmt, 15.8ppg, 1.15yld. Unstung out of CRT and left 50' of cmt on top of CRT. 12bbbls of cmt to surface. Lay down cmt retainer tool. TIH to 407', Pump 52sxs Neat cmt, 11bbbls, 15.8ppg, 1.15yield, displaced w/3bbbls of FW. TOOH. Circ 25bbbls. SIW. WOC. 7/20-21/22 - TIH & drill out cmt f/250' to CRT @ 504'. DO CRT. Cont to DO cmt t/650'. Test csg & perfs to 560psi/30min. Test good. Received approval from Brandon Powell (NMOCD) to proceed. Cont to drill f/650' t/6302', drill out CBP @ 973'. 7/22- 29/22 - Cont to drill 8.5" hole f/6302' t/18,682' Circ & condition hole. Ream f/18,557' t/18,682'. Cont drill f/18,682' t/19,223' (reached TD on 7/29/22). Circ & condition hole for 5.5" csg. LD drillpipe f/19,223' t/9,122'. 7/30/22 - LD f/9,122' t/3010'. Pump kill mud 155bbbls of 13.1ppg. LD BHA. RU csg crew. TIH w/ 5.5" csg to 3,650' 7/31- 8/1/22 - TIH w/317 5-1/2" P-110 20.0# BTC csg landed @ 19,185' w/FC @ 19,093', LC @ 19,070'. Toe sleeves @ 19,022' -19,026' & 18,974' - 18,978'. RD csg crew, RU circ swedge. Circ & pump 251bbl MRF before cmt job. Mix & pump 2,700 sxs Class G cmt (736bbbls, 4131cf) 13.2ppg, 1.53 yield. Drop plug & displace 423bbbls water. Bumped plug w/1000psi on 8/1/22 @ 1:07. 0 bbls of cmt to surface, 140bbbls of MRF back to surf. 8/6/2022 - PT Prod csg to 1575psi/30mins. Run CBL f/2410' t/7000' (Est TOC @ 2510').

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US Well Number: 300393141700X1	Well Status: Drilling Well	Operator: LOGOS OPERATING LLC

SR Attachments

Actual Procedure

3160_5_Rosa_Unit_662H_PROD_Subsequent_Report_20220801_Amended_20220919143428.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 02:34 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	

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 144642

COMMENTS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 144642
	Action Type: [C-103] Sub. Drilling (C-103N)

COMMENTS

Created By	Comment	Comment Date
jagarcia	Approved, John Garcia, Petroleum Engineer	9/20/2022

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

Created By	Condition	Condition Date
jagarcia	None	9/20/2022