

Well Name: ROSA UNIT	Well Location: T31N / R6W / SEC 25 / NENE / 36.874968 / -107.408804	County or Parish/State: RIO ARRIBA / NM
Well Number: 654H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078769	Unit or CA Name: ROSA UNIT-MANCOS PA	Unit or CA Number: NMNM78407E
US Well Number: 3003931384	Well Status: Drilling Shut In	Operator: LOGOS OPERATING LLC

Subsequent Report

Type of Submission: Subsequent Report

Type of Action: Casing

Date Sundry Submitted: 06/15/2021

Time Sundry Submitted: 10:56

Date Operation Actually Began: 05/19/2021

**Actual Procedure:** 5/19/21 MIRU AD1000. 5/20/21 RU gas buster. 5/21/21 PT BOP low 250psi/10mins, high 5000psi/30min, both good tests. 5/22/21 PT 13-3/8" surface casing to 600psi/30mins. Good test. 5/23/21 PU drill pipe & BHA. DO shoe track. 5/24/21 - 5/27/21 RIH w/12-1/4" bit, drill intermediate f/330' - 6063'. Having losses, add LCM. BHA stuck, RU WL & free point & back off string @ 5746'. Circ out LCM. RD WL. PU fishing assembly. TIH broke circ @ 2376' - 3953'. 5/28/21 - 5/30/21 Jar on fish. Latch on fish @ 5746'. RU WL. Back off fish @ 5904'. Circ LD fishing tools & 162' of fish. TIH w/fishing tool, wash down to 5900'. Latch onto fish. RU WL. RIH w/cutters, back off fish three runs. RD cutters. TOOH, leaving 122' fish in hole, top of fish @ 5911' & bit at 6033'. Notified BLM (Virgil Lucero) and OCD (Kate Pickford) (see attached email) to leave fish in hole, plug back f/5911' to 5052', KO cmt plug @ 5300' and drill along original well bore path, very close to original design. 5/31/21 TIH w/12-1/4" bit to 5885', circ condition mud. WOC. 6/1/21 RU cmt crew, drop wiper ball, pump 27bbl spacer, 249 sx (51bbls, 286cf) Premium cmt @ 15.8ppg, 1.15yld, displace w/69bbls mud/water. Circ @5525', 26bbls spacer to surface. Calculated TOC @ 5561'. Drop wiper ball, pump 27bbl spacer, 392sxs (69bbls, 387cf) Premium cmt @ 17.0ppg, 0.99yld, displace w/62bbls mud/water @ 23:30hr. RD cmt crew. 6/02/21 Circ bottoms up. POOH, RIH w/directional tools, tag TOC @ 5051'. Trough to 5094'. Kick off cmt plug @ 5094' to 5320'. 6/03/21 Drill 12-1/4" hole f/5320' t/5870'. Spot heavy LCM on BTM. Circ @ 5606'. No loss's. 6/04/21 Cont to drill f/5870' t/6489' intermediate TD. Circ @ 5606', ream tight spot, spot LCM, circ. 6/05/21 TOOH. RU csg crew. TIH w/9-5/8" 43.5#, N80 BTC csg set @ 6479' w/FC @ 6437', DV tools @ 4759' & 3191'. RD csg crew. RU cementers. Pump 1st stage 40bbl spacer, lead w/305sx (125bbls, 702cf) ASTM Type III cmt @ 12.3ppg, 2.30yld. Pump tail w/212sxs (43bbls, 244cf) Class G cmt @ 15.8ppg, 1.15yld. Displace w/482bbls wtr/mud. Land plug @ 21:24hr on 6/5/21. Open DV tool @ 4759'. Circ 69bbls cmt to surface. 6/06/21 Circ hole clean. Release rig @ 02:00hr, skid to 656H. Pump 2nd stage 40bbl spacer, lead w/189sx (77bbls, 435cf) ASTM Type III cmt @ 12.3ppg, 2.30yld. Pump tail w/267sxs (71bbls, 401cf) Class G cmt @ 13.5ppg, 1.50yld. Displace w/356bbls wtr/mud. Land plug @ 21:50hr on 6/6/21. Open DV tool @ 3191'. Circ 48bbls cmt to surface. 6/07/21 Pump 3rd stage 40bbl spacer, lead w/497sx (224bbls,1257cf) ASTM Type III cmt @ 12.0ppg, 2.53yld. Pump tail w/201sxs (74bbls, 418cf) Class G cmt @ 12.8ppg, 2.08yld. Displace

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w/240bbls wtr/mud. Land plug @ 10:05hr on 6/7/21. Circ 112bbls cmt to surface. RD cementers. Pressure test will be reported on next casing sundry.

SR Attachments

Actual Procedure

3160\_5\_Rosa\_Unit\_654H\_INT\_20210607\_20210615103456.pdf

Operator Certification

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 submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: TAMRA SESSIONS

Signed on: JUN 15, 2021 10:34 AM

Name: LOGOS OPERATING LLC

Title: REGULATORY SPECIALIST

Street Address: 2010 Afton Place

City: Farmington State: NM

Phone: (505) 324-4145

Email address: MFLOREZ@LOGOSRESOURCESLLC.COM

Field Representative

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: 9708783846

BLM POC Email Address: krennick@blm.gov

Disposition: Accepted

Disposition Date: 08/30/2021

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  
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**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS  
  
Action 45333

CONDITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 45333
	Action Type: [C-103] Sub. Drilling (C-103N)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	None	9/1/2021