

Well Name: ROSA UNIT	Well Location: T31N / R6W / SEC 22 / SENE / 36.88827 / -107.44457	County or Parish/State: RIO ARRIBA / NM
Well Number: 18C	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078766	Unit or CA Name: ROSA UNIT, ROSA UNIT--DK, ROSA UNIT--MV	Unit or CA Number: NMNM78407A, NMNM78407B, NMNM78407E
US Well Number: 3003930131	Operator: LOGOS OPERATING LLC	

Notice of Intent

Sundry ID: 2796066

Type of Submission: Notice of Intent

Type of Action: Other

Date Sundry Submitted: 06/19/2024

Time Sundry Submitted: 08:07

Date proposed operation will begin: 06/19/2024

Procedure Description: The Rosa Unit 18C is immediately offsetting LOGOS Rosa Pad 9 and 10 new well completions. In order to preserve wellbore integrity and protect the remaining reserves of the well, it is recommended to isolate the wellbore and actively monitor pressure via downhole gauge for a total well observation period of 9-12 months. See attached procedure.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Rosa_Unit_18C_Wellbore_Isolation__Pressure_Gauges_procedure_20240619080721.pdf

Well Name: ROSA UNIT

Well Location: T31N / R6W / SEC 22 /
SENE / 36.88827 / -107.44457County or Parish/State: RIO
ARRIBA / NM

Well Number: 18C

Type of Well: CONVENTIONAL GAS
WELL

Allottee or Tribe Name:

Lease Number: NMSF078766

Unit or CA Name: ROSA UNIT, ROSA
UNIT--DK, ROSA UNIT--MVUnit or CA Number:
NMNM78407A, NMNM78407B,
NMNM78407E

US Well Number: 3003930131

Operator: LOGOS OPERATING LLC

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: JUN 19, 2024 08:08 AM

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: Approved

Disposition Date: 06/20/2024

Signature: Kenneth Rennick



WELLBORE ISOLATION/PRESSURE MONITORING-NMOCD (2024)

Rosa Unit 18C
30-039-30131
1490' FNL & 990' FEL
Section 22, T31N, R06W
Rio Arriba, New Mexico
LAT: 36.8883438° N LONG: -107.4445648° W
Mesaverde/Mancos/Dakota

PROJECT OBJECTIVE:

The Rosa Unit 18C is immediately offsetting LOGOS Rosa Pad 9 and 10 new well completions. In order to preserve wellbore integrity and protect the remaining reserves of the well, it is recommended to isolate the wellbore and actively monitor pressure via downhole gauge for a total well observation period of 9-12 months.

WORKOVER PROCEDURE:

1. Hold safety meeting. MIRU workover rig. Place fire and safety equipment in strategic locations. Comply with all LOGOS, BLM, and NMOCD rules and regulations.
2. Lay flow lines. Check and record casing and tubing pressures. Sell pressure down to line. Kill well if necessary.
3. Nipple down wellhead and nipple up BOP.
4. TOOH and stand back tubing.
5. Set bridge plug within 50' of the Dakota perforations.
6. TIH and set cement retainer at ~6892'.
7. RIH with pressure gauge and tubing and sting into retainer.
8. Leave well shut in during offset completions and post completions for pressure monitoring.
9. Once adequate pressure monitoring data has been collected, TOOH with tubing and laydown pressure gauge.
10. Trip in hole and mill out cement retainer and bridge plug.
11. Run 2-3/8" tubing and return the well to production.



Wellbore Schematic

Well Name:	Rosa Unit 18C
Location:	Sec 22, T31N, R06W 1490' FNL & 990' FEL
County:	Rio Arriba
API #:	30-039-30131
Co-ordinates:	Lat 36.8883438° Long -107.4445648°
Elevations:	GROUND: 6258'
	KB: 6272'
Depths (KB):	PBTD: 8146'
	TD: 8156'

Date Prepared:	9/14/2024	K.Moss
Reviewed By:	6/12/2024	Peace
Last Updated:		
Spud Date:	6/7/2009	
Completion Date:	8/24/2009	
Last Workover Date:	11/4/2021	

DEVIATED "S" WELL

Well Log - 14-3/4" Surface Hole

Surface Casing
10-3/4" J-55 40.5#
7 jts set at 315'
300 sx
Circ to surface

Intermediate Casing
7-5/8", 26.4#, K-55
97 jts set at 3813'
655 sxs
Circ to surface

Production Casing
5-1/2", 17#, N-80
212 jts set @ 8156'
380 sx
TOC @ 3380' CBL

Hole Size
14-3/4"
0-322'

9-7/8"
322'-3822'

6-3/4"
3822'-8156'

Surface Casing
315'

Intermediate Casing
3813'

Production Casing
8156'

TOC at surface (circ)
2.38" @ 517'
13.19" @ 702'

22° @ 856'
25.25° @ 1075'
32.13° @ 1455'
30° @ 2052'
26° @ 2523'
16° @ 2899'
10.5° @ 3275'
8° @ 3590'
0.9° @ 3715'

TOC at 3380' per CBL

Lewis/CH/Men
5297'-5740'
PLO
5815'-6123'

Upper MC
6942'-7209'
Lower MC
7271'-7428'

Dakota
8049'-8122'

**Tagged fill at 8082'.
CO to PBTD (11/2021)**

TOC at 3380' (CBL)

Surface Casing
Drilled a 14-3/4" surface hole to 322'. Set 7 jts 10-3/4", 40.5#, J-55 casing at 315'.
Cmt w/ 300 sx type III cement (Yld- 1.796) Circ 45 bbls to surface.

Intermediate Casing: (6/14/2009)
Drilled a 9-7/8" intermediate hole to 3822'. Set 97 jts 7-5/8", 26.4#, K-55 casing at 3813'.
Cmt lead w/ 555 sx extendeccem (Yld- 2.723)
Cmt tailed w/ 100 sx premium cmt (Yld- 1.178). Circ 80 bbl to pit.

Production Casing: (6/21/2009)
Drilled a 6-3/4" production hole to 8156'. Set 212 jts 5-1/2", 17#, N-80 casing at 8156'.
Cmt w/ 380 sx fraccem (Yld- 1.398) // TOC at 3380' per CBL

Tubing: (11/4/2021)	Length (ft)
KB	14
(112) 2-3/8", 4.7# N-80 tbq jts	3523
(139) 2-3/8", 4.7#, J-55 tbq jts	4487
(1) 2-3/8" pup jt	2
(1) 2-3/8", 4.7#, J-55 tubing joint	30
(1) 1.78" F-nipple @ 8055'	1
(1) 1/2 Muleshoe w/ exp check	1
Set at:	8057 ft

Perforations: (7/28/2009)
Lewis/CH/Men: 5297'-5740' w/ 59, .34" holes
Frac w/ 73828# 20/40 BASF
Point Lookout: 5815'-6123' w/ 63, .34" holes
Frac w/ 90907# 20/40 mesh BASF
Upper MC: 6942'-7209' w/ 75 .34" holes
Frac w/ 5006# 100 mesh f/w 98125# 40/70 Ottawa
Lower MC: 7271'-7428' w/ 54 .34" holes
Frac w/ 5003# 100 mesh f/w 98265# 40/70 Ottawa
Dakota: 8049'-8122' w/ 57 .34" holes
Frac w/ 5008# 100 mesh f/w 77064# 40/70 Ottawa

Formations:			
Pictured Cliffs-	3350'	Point Lookout-	5840'
Lewis-	3667'	Mancos-	6322'
Cliffhouse-	5528'	Dakota-	8049'
Menefee-	5577'		

Additional Notes:
4/2010- Tagged fill at 8091' & C/O to PBTD at 8146' w/ air package & Land tbq at 8078'
6/2011- Tagged fill at 8110' & C/O to PBTD at 8146' // Re-run same tbq string
4/2/2019- Slickline, tagged at 8047' w/ IB, nothing on face but possible scale on sides.
RIH w/ smaller IB tagged sand at 8048'. Set 3-slip stop @ 7048' Perf tbq w/ 3 shots
11/4/2021- Tagged fill at 8082'. Scan tbq (159Y, 70B, 14G, 8R). Jt 232 had punched hole.
Jts 250, 251, SN, & btm jt were plugged w/ scale & sand. Tbg had lite scale. CO hard
packed sand to 8146'. TOOH & LD bit. TIH w/ prod tbq, tagged 8026'. CO w/ air pkg to 8146'
Land tbq at 8057'.

PBTD - 8146'
TD - 8156'

Max Deviation 32.13° @ 1455'
Max DLS 8.28"/100' @ 2804'



Proposed Isolation Wellbore Schematic

Well Name:	Rosa Unit 18C
Location:	Sec 22, T31N, R06W 1490' FNL & 990' FEL
County:	Rio Arriba
API #:	30-039-30131
Co-ordinates:	Lat 36.8883438° Long -107.4445648°
Elevations:	GROUND: 6258'
	KB: 6272'
Depths (KB):	PBTD: 8146'
	TD: 8156'

Date Prepared:	9/14/2024	K.Moss
Reviewed By:	6/12/2024	Peace
Last Updated:		
Spud Date:	6/7/2009	
Completion Date:	8/24/2009	
Last Workover Date:	11/4/2021	

DEVIATED "S" WELL

All Depths KB

Surface Casing
10-3/4" J-55 40.5#
7 jts set at 315'
300 sx
Circ to surface

Intermediate Casing
7-5/8", 26.4#, K-55
97 jts set at 3813'
655 sxs
Circ to surface

Production Casing
5-1/2", 17#, N-80
212 jts set @ 8156'
380 sx
TOC @ 3380' CBL

Tubing
2-3/8", 4.7#, J-55/N-80
~212 jts
FN at ~6860'
CR at ~6892'
EOT at ~6896'

Hole Size
14-3/4"
0-322'

TOC at surface (circ)

2.38° @ 517'
13.19° @ 702'

9-7/8"
322'-3822'

22° @ 856'
25.25° @ 1075'
32.13° @ 1455'
30° @ 2052'
26° @ 2523'
16° @ 2899'
10.5° @ 3275'
TOC at 3380' per CBL

8° @ 3590'
0.9° @ 3715'

6-3/4"
3822'-8156'

Lewis/CH/Men
○ 5297'-5740'
○ PLO
○ 5815'-6123'

Upper MC
○ 6942'-7209'
○ Lower MC
○ 7271'-7428'

BP at ~7999'

Dakota
○ 8049'-8122'

Tagged fill at 8082'.
CO to PBTD (11/2021)

8156' TOC at 3380' (CBL)

PBTD - 8146'
TD - 8156'

Surface Casing: (6/7/2009)
Drilled a 14-3/4" surface hole to 322'. Set 7 jts 10-3/4", 40.5#, J-55 casing at 315'.
Cmt w/ 300 sx type III cement (Yld- 1.796) Circ 45 bbls to surface.

Intermediate Casing: (6/14/2009)
Drilled a 9-7/8" intermediate hole to 3822'. Set 97 jts 7-5/8", 26.4#, K-55 casing at 3813'.
Cmt lead w/ 555 sx extendecem (Yld- 2.723)
Cmt tailed w/ 100 sx premium cmt (Yld- 1.178). Circ 80 bbl to pit.

Production Casing: (6/21/2009)
Drilled a 6-3/4" production hole to 8156'. Set 212 jts 5-1/2", 17#, N-80 casing at 8156'.
Cmt w/ 380 sx fraccem (Yld- 1.398) // TOC at 3380' per CBL

Tubing:	Length (ft)
KB	14
(~212) 2-3/8", 4.7# N-80 & J-55 tbg jts	6865
(1) 1.78" F nipple	1
(1) P-4000C Gauge Assembly	6
(1) 2-3/8" x 4" pup joint	4
(1) CR stinger	6

Set at: 6896 ft

Perforations: (7/28/2009)
Lewis/CH/Men: 5297'-5740' w/ 59, .34" holes
Frac w/ 73828# 20/40 BASF
Point Lookout: 5815'-6123' w/ 63, .34" holes
Frac w/ 90907# 20/40 mesh BASF
Upper MC: 6942'-7209' w/ 75 .34" holes
Frac w/ 5006# 100 mesh f/w 98125# 40/70 Ottawa
Lower MC: 7271'-7428' w/ 54 .34" holes
Frac w/ 5003# 100 mesh f/w 98265# 40/70 Ottawa
Dakota: 8049'-8122' w/ 57 .34" holes
Frac w/ 5008# 100 mesh f/w 77064# 40/70 Ottawa

Formations:			
Pictured Cliffs-	3350'	Point Lookout-	5840'
Lewis-	3667'	Mancos-	6322'
Cliffhouse-	5528'	Dakota-	8049'
Menefee-	5577'		

Additional Notes:
4/2010- Tagged fill at 8091' & C/O to PBTD at 8146' w/ air package & Land tbg at 8078'
6/2011- Tagged fill at 8110' & C/O to PBTD at 8146' // Re-run same tbg string
4/2/2019- Slickline, tagged at 8047' w/ IB, nothing on face but possible scale on sides.
RIH w/ smaller IB tagged sand at 8048'. Set 3-slip stop @ 7048' Perf tbg w/ 3 shots
11/4/2021- Tagged fill at 8082'. Scan tbg (159Y, 70B, 14G, 8R). Jt 232 had punched hole.
Jts 250, 251, SN, & btm jt were plugged w/ scale & sand. Tbg had lite scale. CO hard packed sand to 8146'. TOO H & LD bit. TIH w/ prod tbg, tagged 8026'. CO w/ air pkg to 8146' Land tbg at 8057'.

Max Deviation 32.13° @ 1455'
Max DLS 8.28"/100' @ 2804'



Proposed Return to Production Wellbore Schematic

Well Name:	Rosa Unit 18C
Location:	Sec 22, T31N, R06W 1490' FNL & 990' FEL
County:	Rio Arriba
API #:	30-039-30131
Co-ordinates:	Lat 36.8883438° Long -107.4445648°
Elevations:	GROUND: 6258'
	KB: 6272'
Depths (KB):	PBTD: 8146'
	TD: 8156'

Date Prepared:	9/14/2024	K.Moss
Reviewed By:	6/12/2024	Peace
Last Updated:		
Spud Date:	6/7/2009	
Completion Date:	8/24/2009	
Last Workover Date:	11/4/2021	

DEVIATED "S" WELL

Well Log Summary

Surface Casing: (6/7/2009)
 Drilled a 14-3/4" surface hole to 322'. Set 7 jts 10-3/4", 40.5#, J-55 casing at 315'.
 Cmt w/ 300 sx type III cement (Yld- 1.796) Circ 45 bbls to surface.

Intermediate Casing: (6/14/2009)
 Drilled a 9-7/8" intermediate hole to 3822'. Set 97 jts 7-5/8", 26.4#, K-55 casing at 3813'.
 Cmt lead w/ 555 sx extendecem (Yld- 2.723)
 Cmt tailed w/ 100 sx premium cmt (Yld- 1.178). Circ 80 bbl to pit.

Production Casing: (6/21/2009)
 Drilled a 6-3/4" production hole to 8156'. Set 212 jts 5-1/2", 17#, N-80 casing at 8156'.
 Cmt w/ 380 sx fracem (Yld- 1.398) // TOC at 3380' per CBL

Well Data:

Depth (ft)	Hole Size	Casing	Notes
315'	14-3/4"	Surface Casing	Set 7 jts 10-3/4", 40.5#, J-55 casing
322'	14-3/4"	Surface Casing	Cmt w/ 300 sx type III cement
3813'	9-7/8"	Intermediate Casing	Set 97 jts 7-5/8", 26.4#, K-55 casing
3822'	9-7/8"	Intermediate Casing	Cmt lead w/ 555 sx extendecem
3822'-3822'	9-7/8"	Intermediate Casing	Cmt tailed w/ 100 sx premium cmt
3380'	6-3/4"	Production Casing	Set 212 jts 5-1/2", 17#, N-80 casing
3380'	6-3/4"	Production Casing	Cmt w/ 380 sx fracem

Formations:

Formation	Depth (ft)
Pictured Cliffs	3350'
Lewis	3667'
Cliffhouse	5528'
Menefee	5577'
Point Lookout	5840'
Mancos	6322'
Dakota	8049'

Additional Notes:

- 4/2010- Tagged fill at 8091' & C/O to PBTD at 8146' w/ air package & Land tbg at 8078'
- 6/2011- Tagged fill at 8110' & C/O to PBTD at 8146' // Re-run same tbg string
- 4/2/2019- Slickline, tagged at 8047' w/ IB, nothing on face but possible scale on sides.
- RIH w/ smaller IB tagged sand at 8048'. Set 3-slip stop @ 7048' Perf tbg w/ 3 shots
- 11/4/2021- Tagged fill at 8082'. Scan tbg (159Y, 70B, 14G, 8R). Jt 232 had punched hole.
- Jts 250, 251, SN, & btm jt were plugged w/ scale & sand. Tbg had lite scale. CO hard packed sand to 8146'. TOOH & LD bit. TIH w/ prod tbg, tagged 8026'. CO w/ air pkg to 8146'. Land tbg at 8057'.

Well Status:

Max Deviation 32.13° @ 1455'
 Max DLS 8.28°/100' @ 2804'

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

CONDITIONS

Action 356821

CONDITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 356821
	Action Type: [C-103] NOI Workover (C-103G)

CONDITIONS

Created By	Condition	Condition Date
dmcclure	Approved to isolate the well. Operator shall submit a C-103R once the well has been isolated. Operator shall submit a C-103G prior to removing the isolation plug followed by another C-103R once the isolation plug has been removed.	7/19/2024