eceined by OCD: 3/4/2024 2:56:19 1 Office			DHC-5358 Form C-103
<u>District I</u> – (575) 393-6161 1625 N. French Dr., Hobbs, NM 88240	Energy, Minerals and Nat	ural Resources	WELL API NO.
<u>District II</u> – (575) 748-1283 811 S. First St., Artesia, NM 88210	OIL CONSERVATIO	N DIVISION	30-039-26599 5. Indicate Type of Lease
<u>District III</u> - (505) 334-6178	1220 South St. Fra	ancis Dr.	STATE FEE
1000 Rio Brazos Rd., Aztec, NM 87410 District IV – (505) 476-3460	Santa Fe, NM 8	37505	6. State Oil & Gas Lease No.
1220 S. St. Francis Dr., Santa Fe, NM			NMSF078767
87505 SUNDRY NOTI	CES AND REPORTS ON WELL	S	7. Lease Name or Unit Agreement Name
(DO NOT USE THIS FORM FOR PROPOS			
DIFFERENT RESERVOIR. USE "APPLIC PROPOSALS.)	CATION FOR PERMIT" (FORM C-101)	OR SUCH	ROSA UNIT
,	Gas Well X 🗌 Other		8. Well Number 149B
2. Name of Operator LOGOS OPERATING LLC			9. OGRID Number 289408
3. Address of Operator 2010 AFTON PLACE FARMINGTO	DN, NM 87401		10. Pool name or Wildcat BASIN DAKOTA/BLANCO MESAV
4. Well Location			
Unit Letter $E : 1440'$	feet from the <u>N</u> line and	1 335'	feet from the <u>W</u> line
	wnship 31N Range 6W		APM County RIO ARRIBA
	11. Elevation (Show whether D		
	6421'		
12 Check A	Appropriate Box to Indicate 1	Nature of Notice	Report or Other Data
			-
NOTICE OF IN			SEQUENT REPORT OF:
		REMEDIAL WOR	
TEMPORARILY ABANDON	CHANGE PLANS	COMMENCE DR CASING/CEMEN	
DOWNHOLE COMMINGLE X		CASING/CEMEN	
OTHER:		OTHER:	
			nd give pertinent dates, including estimated date
of starting any proposed we proposed completion or rec		C. For Multiple Co	ompletions: Attach wellbore diagram of
proposed completion of ree	ompretton.		
Pre-approved Pool Division Order R			
Pools to be commingled: Mesa Verd Perforated Intervals:	e(72319) and Basin Dakota (715)	<i>i</i> 9)	
Mesa Verde: 4700'-6005'			
Basin Dakota: 7956'-8095'			
			asin Dakota. This is based upon the historie
production of both the Mesa Verde a		s within the well.	
Commingling will not reduce the val		of the downhole con	nmingle per order R-12991. BLM has been
notified on the sundry notice form 3		of the downline con	miningle per order K-12991. BLW has been
<b>y</b>	,		
		<b></b>	
Spud Date:	Rig Release I	Date:	
Spaa Date.		Juie.	
I hereby certify that the information	above is true and complete to the	best of my knowledg	ge and belief.
SIGNATURE Lacey Granillo		DAT	ГЕ 3/4/24
Type or print name <u>Lacey Granillo</u> <u>For State Use Only</u>	_ E-mail address: lgranillo@log		FROME: _303/8/0118
APPROVED BY: Dean R Conditions of Approval (if any):	Millure TITLE Petro	leum Engineer	DATE_03/28/2024

.

Released to Imaging: 3/28/2024 1:26:20 PM

## CONDITIONS OF APPROVAL

If an alteration is made to the Well or a condition within the Well changes which may cause the allocation of production to the Pools as approved within this Permit to become inaccurate, then no later than sixty (60) days after that event, the Operator shall submit Form C-103 to the OCD Engineering Bureau describing the event and include a revised allocation plan. If OCD denies the revised allocation plan, this Permit shall terminate on the date of such action.

If the downhole commingling of the Pools reduces the value of the oil and gas production to less than if it had remained segregated, no later than sixty (60) days after the decrease in value has occurred the Operator shall submit a new downhole commingling application to OCD to amend this Permit to remove the pool that caused the decrease in value. If the Operator fails to submit a new application, this Permit shall terminate on the following day, and if OCD denies the application, this Permit shall terminate on the date of such action.

If a completed interval of the Well is altered from what is submitted within this application, then no later than sixty (60) days after the alteration, the Operator shall submit Form C-103 to the OCD Engineering Bureau detailing the alteration and completed interval.

The Operator shall calculate the oil and gas production average during the fourth year after the commencement of commingling, which shall be used to establish a fixed percentage of the total oil and gas production that shall be allocated to each of the Pools ("fixed percentage allocation plan"). No later than ninety (90) days after the fourth year, the Operator shall submit a Form C-103 to the OCD Engineering Bureau that includes the fixed percentage allocation plan and all data used to determine it. If the Operator fails to do so, this Permit shall terminate on the following day. If OCD denies the fixed percentage allocation plan, this Permit shall terminate on the date of such action. If OCD approves the percentage allocation plan with or without modifications, then the approved percentage allocation plan shall be used to determine oil and gas allocation starting on the date of such action until the Well is plugged and abandoned.

Received by UCD: 3/4/2024 2:56:19 PM U.S. Department of the Interior BUREAU OF LAND MANAGEMENT		Sundry Print Report 03/11/2024
Well Name: ROSA UNIT	Well Location: T31N / R6W / SEC 12 / SWNW / 36.971339 / -107.42192	County or Parish/State: RIO ARRIBA / NM
Well Number: 149B	<b>Type of Well:</b> CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078767	Unit or CA Name: ROSA UNITMV	Unit or CA Number: NMNM78407A
US Well Number: 3003926599	Well Status: Producing Gas Well	<b>Operator:</b> LOGOS OPERATING LLC

### **Notice of Intent**

Sundry ID: 2778456

Type of Submission: Notice of Intent

Date Sundry Submitted: 03/07/2024

Date proposed operation will begin: 03/07/2024

Type of Action: Commingling (Subsurface) Time Sundry Submitted: 01:39

**Procedure Description:** Down hole Commingle LOGOS Operating requests to downhole commingle the Mesaverde and Dakota per the attached procedure. Note: Attached C103 Commingle submitted to NMOCD

**NOI Attachments** 

## **Procedure Description**

FOR\_REGULATORY\_Rosa\_Unit\_149B\_\_\_Commingle\_Allocation\_Procedure\_with\_attachments\_2024030713 3905.pdf

C\_103\_rosa\_unit\_149B\_downhole\_commingle\_20240307133905.pdf

Received by OCD: 3/4/2024 2:56:19 PM Well Name: ROSA UNIT	Well Location: T31N / R6W / SEC 12 / SWNW / 36.971339 / -107.42192	County or Parish/State: Rice 4 of 24 ARRIBA / NM
Well Number: 149B	<b>Type of Well:</b> CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078767	Unit or CA Name: ROSA UNITMV	Unit or CA Number: NMNM78407A
US Well Number: 3003926599	Well Status: Producing Gas Well	<b>Operator:</b> 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: LACEY GRANILLO** 

Name: LOGOS OPERATING LLC

Title: REGULATORY SPECIALIST

Street Address: 2010 AFTON PLACE

**City:** FARMINGTON

State: NM

Phone: (505) 324-4145

Email address: LGRANILLO@LOGOSRESOURCESLLC.COM

Field

Representative Name: Street Address: City: State: Phone: Email address:

### **BLM Point of Contact**

BLM POC Name: KENNETH G RENNICK BLM POC Phone: 5055647742 Disposition: Approved Signature: Kenneth Rennick BLM POC Title: Petroleum Engineer

Zip:

Signed on: MAR 07, 2024 01:39 PM

BLM POC Email Address: krennick@blm.gov

Disposition Date: 03/08/2024



## DOWNHOLE COMMINGLE PROCEDURE AND ALLOCATION-NMOCD (2024)

### <u>Rosa Unit 149B</u> 30-039-26599 1440' FNL & 335' FWL Section 12, T31N, R06W Rio Arriba, New Mexico <u>LAT</u>: 36.917469° N <u>LONG</u>: -107.4219589° W Mesaverde/Dakota

#### **PROJECT OBJECTIVE:**

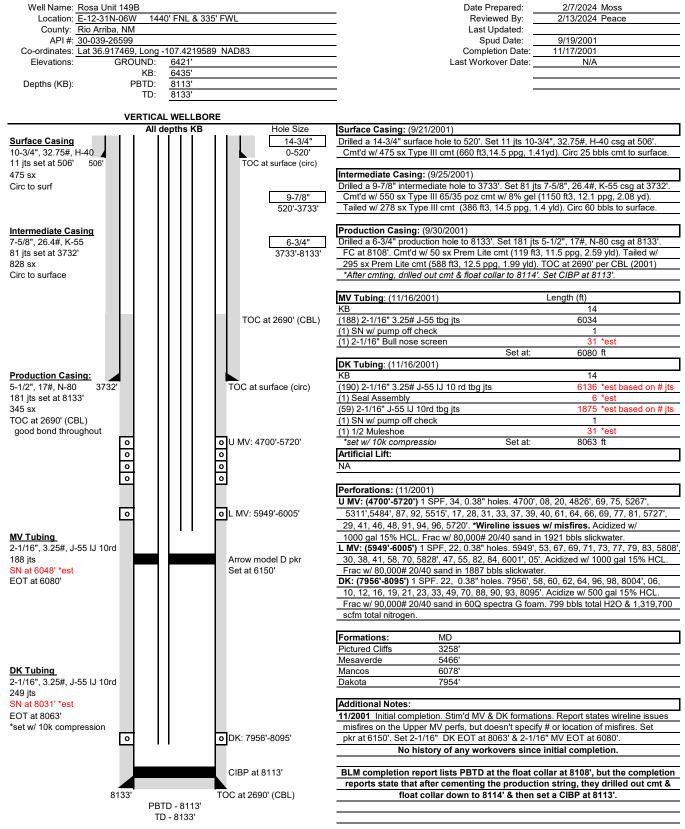
Remove packer, run gyro survey, and set a bridge plug above the Dakota perforations. Pending results of the gyro survey, an additional bridge plug may be set below the Mesaverde perforations to isolate the Mancos formation during offset development. 2-3/8" tubing will be run, and the well will remain shut in for the duration of offset development. Once offset development is completed, the Mesaverde will be produced with plunger lift via the 2-3/8" tubing, leaving the Dakota temporarily abandoned for ~six (6) months. Once uplift and an updated baseline production decline for the Mesaverde is established, the bridge plugs set above the Dakota will be milled out and the well will be downhole commingled.

#### 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. Release Mesaverde tubing string. Trip out of hole with Mesaverde tubing string and lay down.
- 5. Release Dakota tubing string. Trip out of hole with Dakota tubing string and lay down.
- 6. Run in hole with packer plucker to retrieve Model D Packer at 6150'. Trip out of hole with packer plucker assembly and string.
- 7. Rig up wireline to run gyro survey.
- 8. Set bridge plug within 50' of the top Dakota perforation.
- 9. Based on results of gyro survey, if necessary for new well drilling, set a second bridge plug within 50' below the Mesaverde perforations.
- 10. Trip in hole with 2-3/8" tubing.
- 11. SI well for offset drilling.
- 12. Once offset drilling is complete, install plunger lift to produce the Mesaverde only.
- 13. After ~6 months, pull the tubing, and trip in hole to mill out the bridge plugs set above the Dakota perforations and push to bottom.
- 14. Run in hole with single 2-3/8" production tubing string and install plunger lift.
- 15. Return to production as a Mesaverde/Dakota commingle.

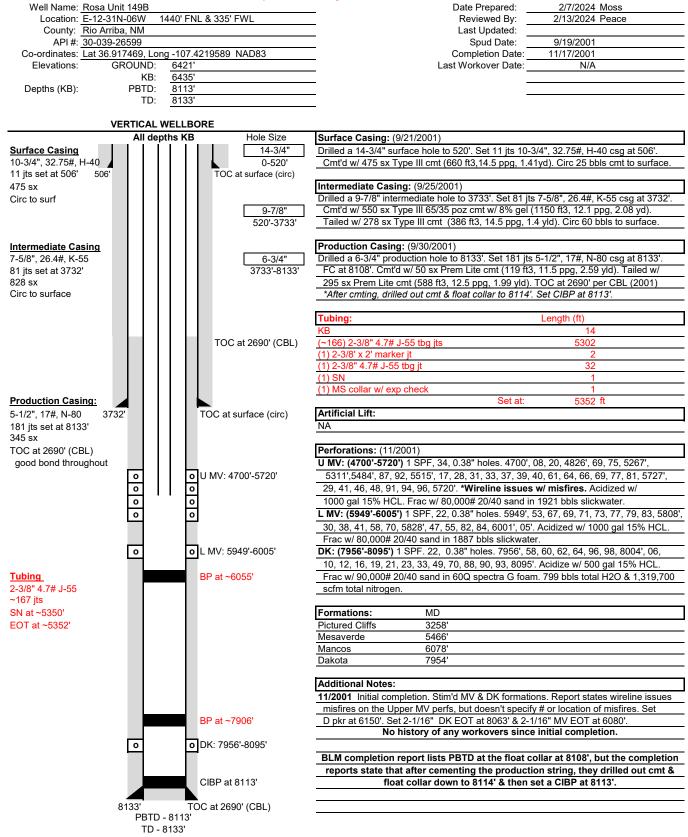
#### **PRODUCTION ALLOCATION**

Because uplift is expected from both zones by commingling the well, a fixed production allocation established by historical well behavior is not expected to be accurate. Therefore, LOGOS proposes a six (6) month period of production testing the Mesaverde during which a bridge plug will be over the Dakota, 2-3/8" tubing and plunger lift will be installed for the Mesaverde, and a baseline Mesaverde production rate and decline will be established. After six (6) months of production, the bridge plug will be removed from the Dakota, the tubing will be landed at a depth ideal for Mesaverde and Dakota commingled production, and the commingle allocation will be made using a subtraction methodology in which gas beyond the established Mesaverde rate and decline is allocated to the Dakota. The subtraction allocation methodology will be employed for 4 years, unless both formations exhibit declines that are easily predictable by decline analysis. If such is the case, a sundry will be submitted to use a fixed percentage allocation method.



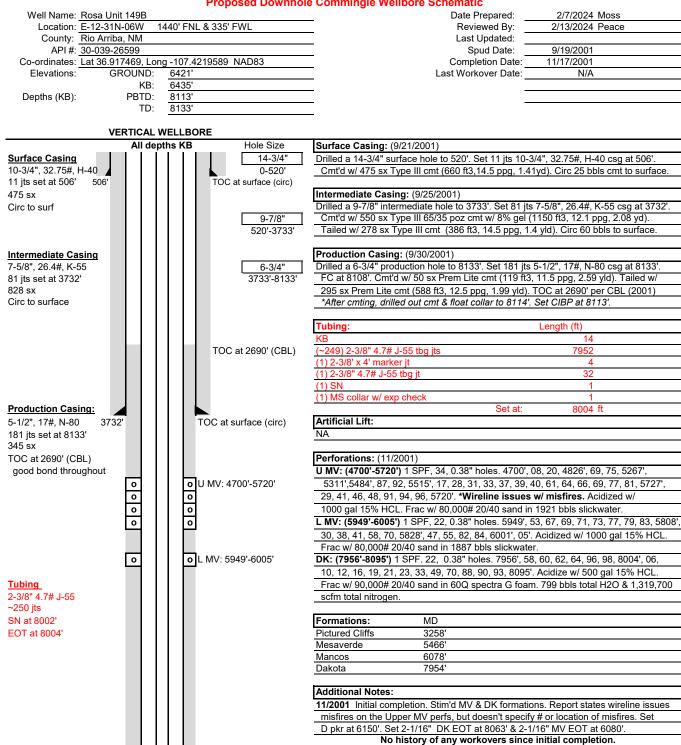


#### **Proposed MV Only Wellbore Schematic**





#### Proposed Downhole Commingle Wellbore Schematic



BLM completion report lists PBTD at the float collar at 8108', but the completion reports state that after cementing the production string, they drilled out cmt & float collar down to 8114' & then set a CIBP at 8113'

0

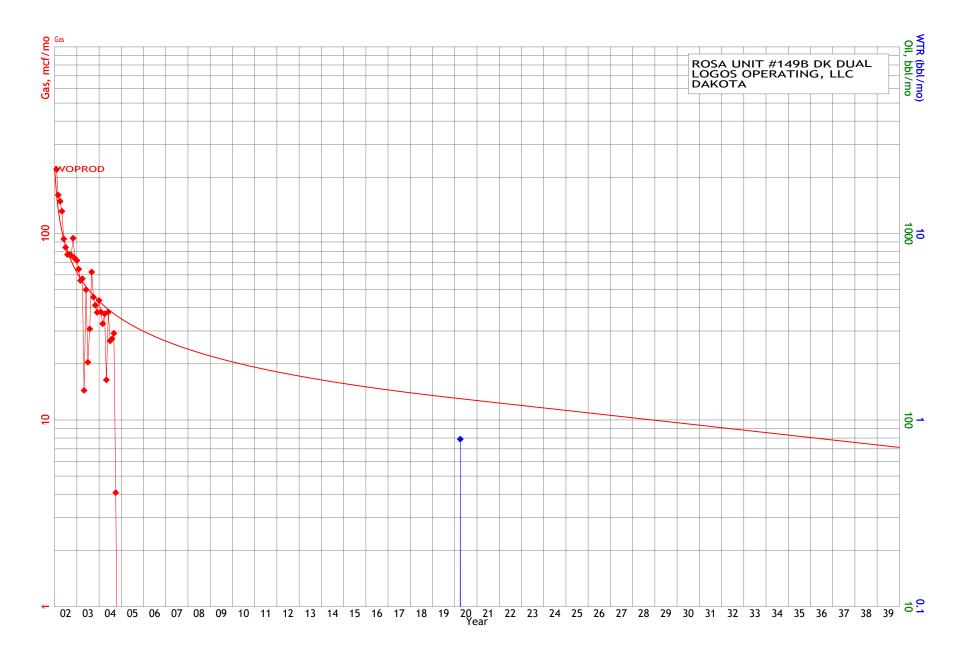
8133

PBTD - 8113 TD - 8133

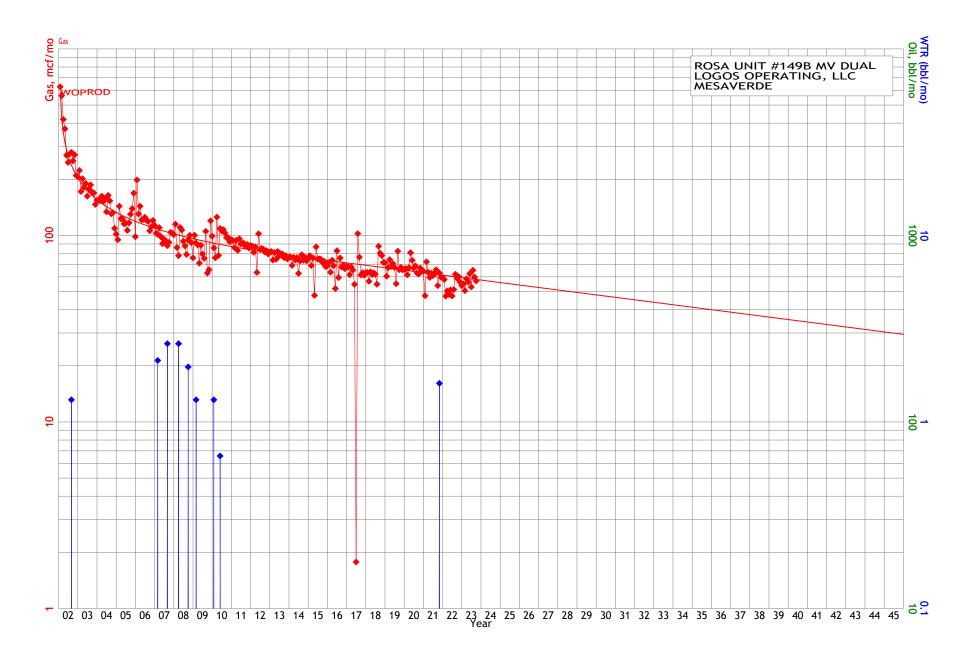
o DK: 7956'-8095'

CIBP at 8113'

TOC at 2690' (CBL)



Gas, mcf. Qual=	/mo WOPROD	Oil, bbl/ Ref=	mo	WTR (bbl Ref=	/mo)
Ref= Cum=	1/2021 63524	Cum=	0	Cum=	24
Rem= EUR=	144928 208452				
Yrs=	99.167 12.7				
Qi= b=	0.000000				
De= Qab=	3.000000 0.6				



Gas, mcf/mo ——		Oil, bbl/	mo <b>t t</b>	WTR (bb	l/mo) <b>\                                    </b>
Qual= Ref=	WOPROD	Ref=	10/2023	Ref=	10/2023 479
Cum=	10/2023 790842	Cum=	0	Cum=	479
Rem=	652250				
EUR=	1443092				
Yrs= Qi=	90.750 58.1				
b=	0.000000				
De=	3.000000				
Qab=	3.7				

From:	Lacey Granillo
To:	McClure, Dean, EMNRD
Cc:	<u>Vanessa Fields; Roberts, Kelly, EMNRD; Etta Trujillo; Vanessa Fields; Catlain Richardson; Kaitlyn Moss; Courtney</u> <u>Peace; Krista McWilliams</u>
Subject:	RE: [EXTERNAL] RE: Action ID: 319990; DHC-5358
Date:	Wednesday, March 27, 2024 1:46:14 PM
Attachments:	image001.png FOR REGULATORY Rosa Unit 149B - Commingle Allocation-Procedure with attachments 3-27-24 FINAL.pdf

Good afternoon, Dean-

Please see attached updated DHC allocation procedure for the Rosa Unit 149B.

Thank you,

Lacey Granillo

Regulatory Specialist Cell: 505-787-0118 lgranillo@logosresourcesllc.com



From: McClure, Dean, EMNRD <Dean.McClure@emnrd.nm.gov>
Sent: Tuesday, March 26, 2024 4:14 PM
To: Lacey Granillo <lgranillo@logosresourcesllc.com>
Cc: Vanessa Fields <vfields@logosresourcesllc.com>; Roberts, Kelly, EMNRD
<Kelly.Roberts@emnrd.nm.gov>; Etta Trujillo <etrujillo@logosresourcesllc.com>; Vanessa Fields
<vfields@logosresourcesllc.com>; Catlain Richardson <CRichardson@logosresourcesllc.com>; Kaitlyn
Moss <kmoss@logosresourcesllc.com>; Courtney Peace <cpeace@logosresourcesllc.com>; Krista
McWilliams <kmcwilliams@logosresourcesllc.com>
Subject: RE: [EXTERNAL] RE: Action ID: 319990; DHC-5358

Lacey,

Additionally, it appears that Logos is proposing a production for the Dakota as if it is going to produce in a state of advanced decline. Considering the lack of production from it for the last 20 years, why does Logos feel this will be the case? Assuming this is the case, does Logos feel there is enough production history available to accurately predict the decline curve?

Dean McClure

Petroleum Engineer, Oil Conservation Division New Mexico Energy, Minerals and Natural Resources Department (505) 469-8211

From: Lacey Granillo [granillo@logosresourcesllc.com>
 Sent: Tuesday, March 26, 2024 3:53 PM
 To: McClure, Dean, EMNRD <<u>Dean.McClure@emnrd.nm.gov></u>
 Cc: Vanessa Fields <<u>vfields@logosresourcesllc.com</u>>; Roberts, Kelly, EMNRD
 <<u>Kelly.Roberts@emnrd.nm.gov></u>; Etta Trujillo <<u>etrujillo@logosresourcesllc.com</u>>; Vanessa Fields
 <<u>vfields@logosresourcesllc.com</u>>; Catlain Richardson <<u>CRichardson@logosresourcesllc.com</u>>; Kaitlyn
 Moss <<u>kmoss@logosresourcesllc.com</u>>; Courtney Peace <<u>cpeace@logosresourcesllc.com</u>>; Krista
 McWilliams <<u>kmcwilliams@logosresourcesllc.com</u>>
 Subject: [EXTERNAL] RE: Action ID: 319990; DHC-5358

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

Dean,

We have reason to believe that the Dakota tubing is plugged based on the observed tubing shut in pressure of the Dakota of 0 psi. Beyond resolving the plugged tubing issue, the Dakota in this well will benefit from removal of the packer and, to a lesser extent, the installation of a larger tubing string. While a plunger can be run in 2-1/16" tubing, the annular volume of the Dakota side below the packer does not provide adequate gas volume to reliably unload liquids from the well. For the entirety of its life, the Dakota has produced below critical lift in 2-1/16" tubing which is approximately 175 mcfd at 60 pounds of line pressure. Because the well's potential is substantially below critical lift in 2-1/16" tubing and because the packer is limiting the annular volume for running a plunger, we have reason to believe that by commingling the well, the Dakota can be returned to its original production potential.

Thank you,

**Eacey Granillo** Regulatory Specialist Cell: 505-787-0118 <u>lgranillo@logosresourcesllc.com</u>



From: McClure, Dean, EMNRD <Dean.McClure@emnrd.nm.gov>
Sent: Tuesday, March 26, 2024 2:32 PM
To: Lacey Granillo <lgranillo@logosresourcesllc.com>
Cc: Vanessa Fields <<u>vfields@logosresourcesllc.com</u>>; Roberts, Kelly, EMNRD
<<u>Kelly.Roberts@emnrd.nm.gov</u>>
Subject: Action ID: 319990; DHC-5358

To whom it may concern (c/o Lacey Granillo for Logos Resources, LLC),

#### The Division is reviewing the following application:

Action ID	319990
Admin No.	DHC-5358
Applicant	Logos Operating, LLC (289408)
Title	ROSA UNIT #149B
Sub. Date	03/04/2024

Please provide the following additional supplemental documents:

•

Please provide additional information regarding the following:

• Reference is made in the application to a failure that impacted production. It appears that production from the Dakota was impacted ~2004 and production since was discounted when determining the production curve. Please provide a bit more information regarding the failure that took place and why allocation should be determined based off the production curve generated from prior to that failure.

### Additional notes:

•

All additional supplemental documents and information may be provided via email and should be done by replying to this email. The produced email chain will be uploaded to the file for this application.

Please note that failure to take steps to address each of the requests made in this email within 10 business days of receipt of this email may result in the Division rejecting the application requiring the submittal of a new application by the applicant once it is prepared to address each of the topics raised.

Dean McClure Petroleum Engineer, Oil Conservation Division

•

New Mexico Energy, Minerals and Natural Resources Department (505) 469-8211



# DOVE HOLE COMMINGLE PROCEDURE AND ALLOCATION-NMOCD (2024

### Rosa Unit 149B

30-039-26599 1440' FNL & 335' FWL Section 12, T31N, R06W Rio Arriba, New Mexico LAT: 36.917469° N LONG: -107.4219589° W Mesaverde/Dakota

#### PROJECT OBJECTIVE:

Remove packer, run gyro survey, and, pender results, set a bridge plug above the Dakota perforations and a bridge plug below the Mesaverde perforations to isolate the Mancos formation during offset of velopment. Once offset development is complete, remove bridge plugs and downhole commingle Mesaverde and Dakota.

#### WORKOVER PROCEDURE:

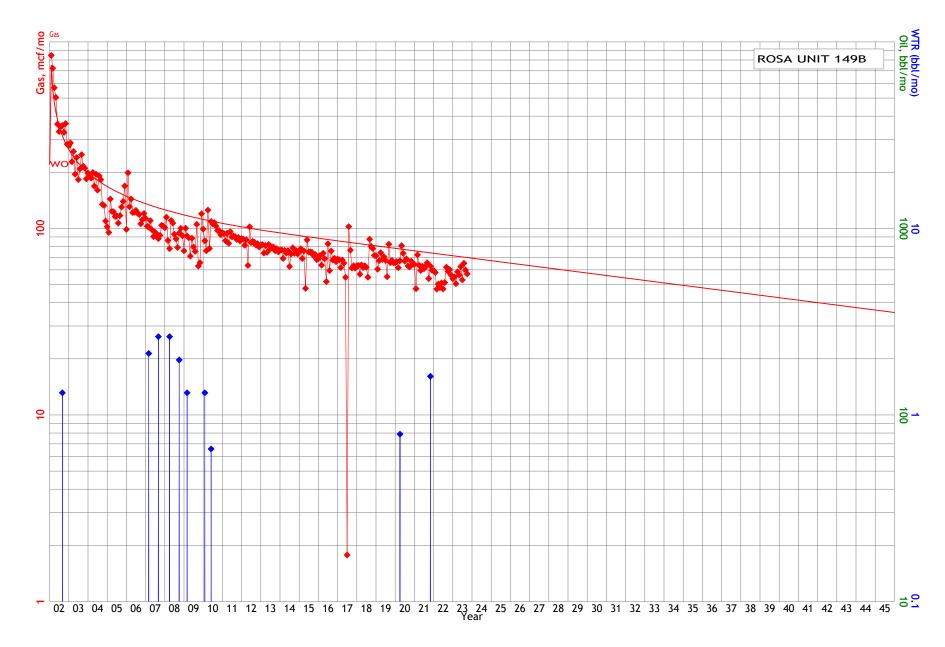
- 1. Hold safety meeting. MIRU workover rig. Place fire od safety equipment in strategic locations. Comply with all LOGOS, BLM, and NMOCD rules and regulations.
- 2. Lay flow lines. Check and record casing and tubing pressure for the pressure down to line. Kill well if necessary.
- 3. Nipple down wellhead and nipple up BOP.
- 4. Release Mesaverde tubing string. Trip out of hole with **Mesaver**te tubing string and lay down.
- 5. Release Dakota tubing string. Trip out of hole with Depta tubing tring and lay down.
- 6. Run in hole with packer plucker to retrieve Model for acker at 6150. Trip out of hole with packer plucker assembly and string.
- 7. Rig up wireline to run gyro survey. Based on pults of gyro survey, if new ssary for new well drilling, set bridge plug within 50' of the top Dakota perforation. Set second bridge plug within 50 below the Mesaverde perforations.
- 8. SI well for offset drilling.
- 9. Once offset drilling is complete, trip in the and mill out bridge plugs and push the ottom.
- 10. Run in hole with single 2-3/8" production tubing string.
- 11. Return to production as a Mesar de/Dakota commingle.

## PRODUCTION ALLOCATION

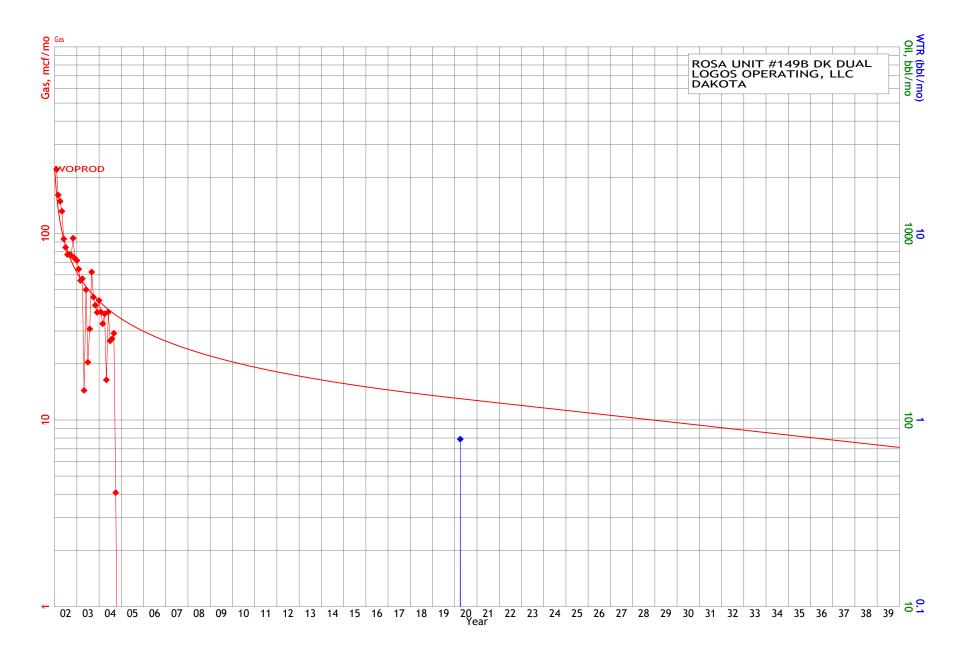
Historic production data from both zones in this well was gathered and analyzed. Historical and her casted rates were used to determine allocations during a failure that impacted production potential and cumulative allocation of a concerned.

Production Rates	
Total Production Page	71 Mcfpd
Mesaverde Prog	58 Mcfpd
Dakota Producton Rate	13 Mcfpd

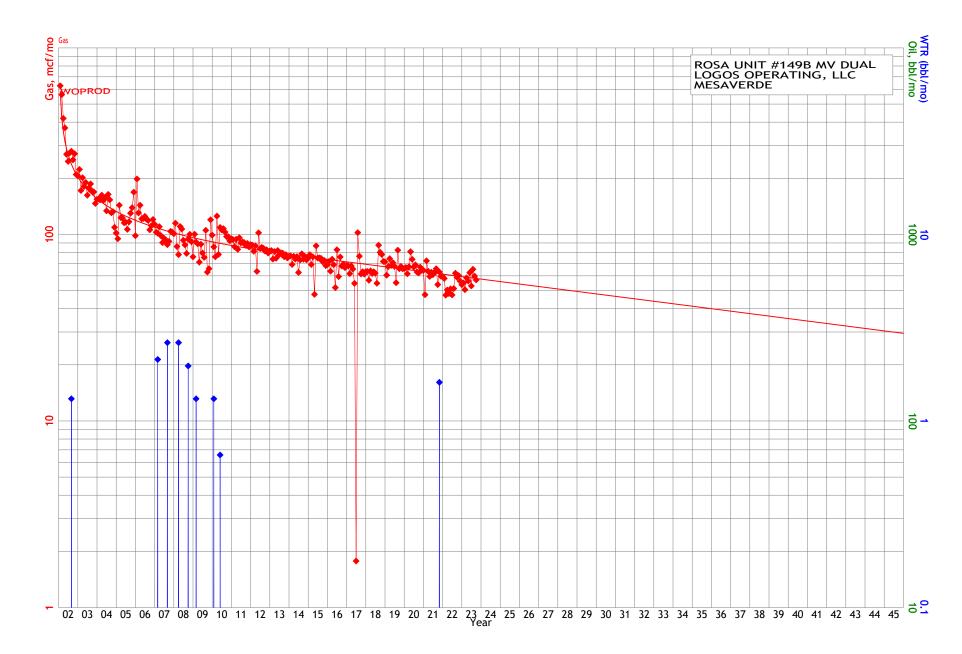
MV allocation = MV rate/total rate = 58/71 = 81.7% DK allocation = DK rate/total rate = 13/71 = 18.3%



Gas, mo	:f/mo ——	Oil, bbl/	′mo <b>���</b>	WTR (bb	ol/mo)���
Calc= Ref= Cum=	WO 10/2023 866608	Ref= Cum=	10/2023 0	Ref= Cum=	10/2023 503
Rem= EUR=	784935 1651544				
Yrs=	96.417				



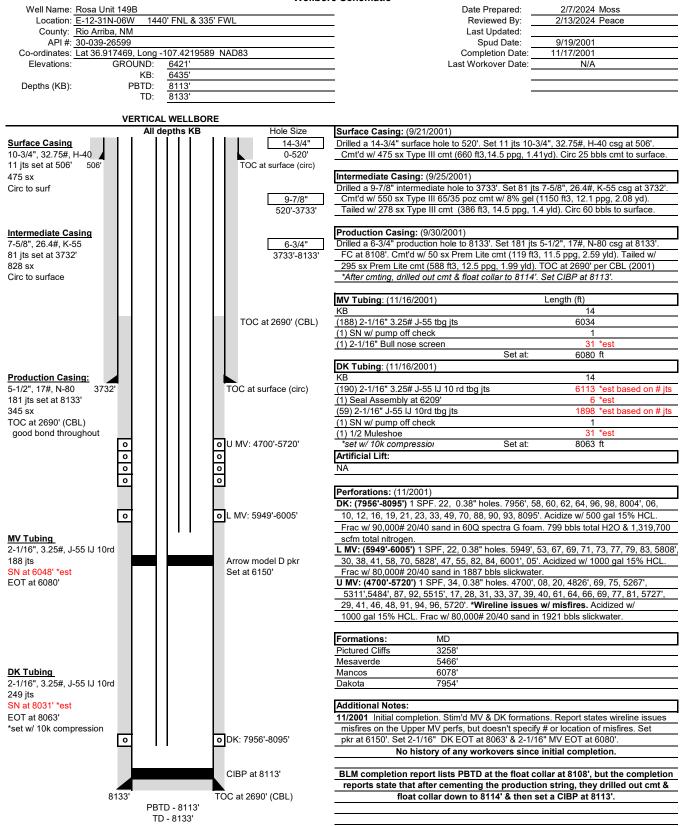
Gas, mcf. Qual=	/mo WOPROD	Oil, bbl/ Ref=	mo	WTR (bbl Ref=	/mo) <b>~ ~ ~</b> 1/2021
Ref= Cum=	1/2021 63524	Cum=	0	Cum=	24
Rem= EUR=	144928 208452				
Yrs=	99.167 12.7				
Qi= b=	0.000000				
De= Qab=	3.000000 0.6				



Gas, mcf	/mo	Oil, bbl/	mo <b>t</b>	WTR (bbl	l/mo) <b>~ ~ ~</b>
Qual= Ref=	WOPROD 10/2023	Ref= Cum=	10/2023	Ref= Cum=	10/2023 479
Cum=	790842	cum=	0	cun=	479
Rem= EUR=	652250 1443092				
Yrs=	90.750				
Qi=	58.1				
b= De=	0.000000 3.000000				
Qab=	3.7				

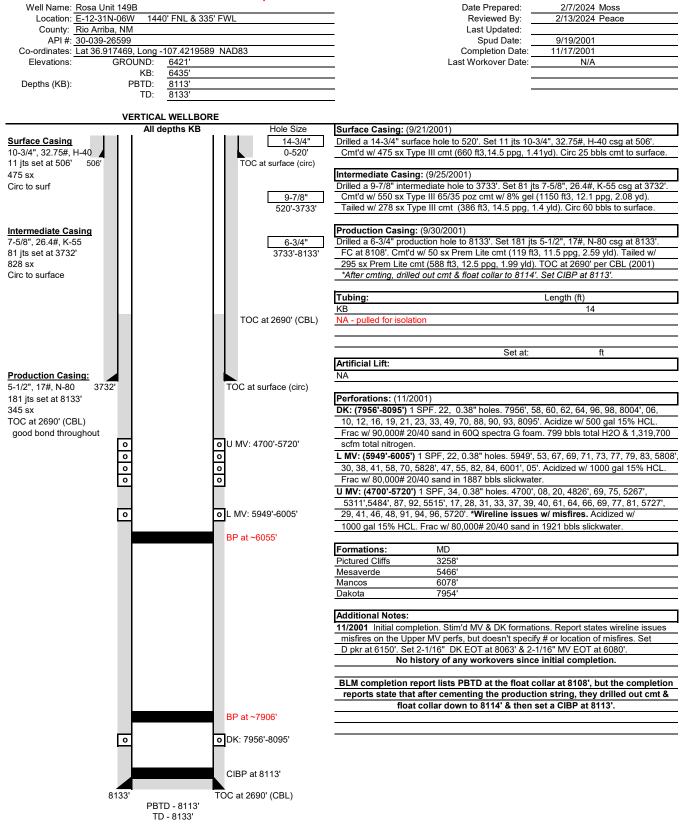


Wellbore Schematic





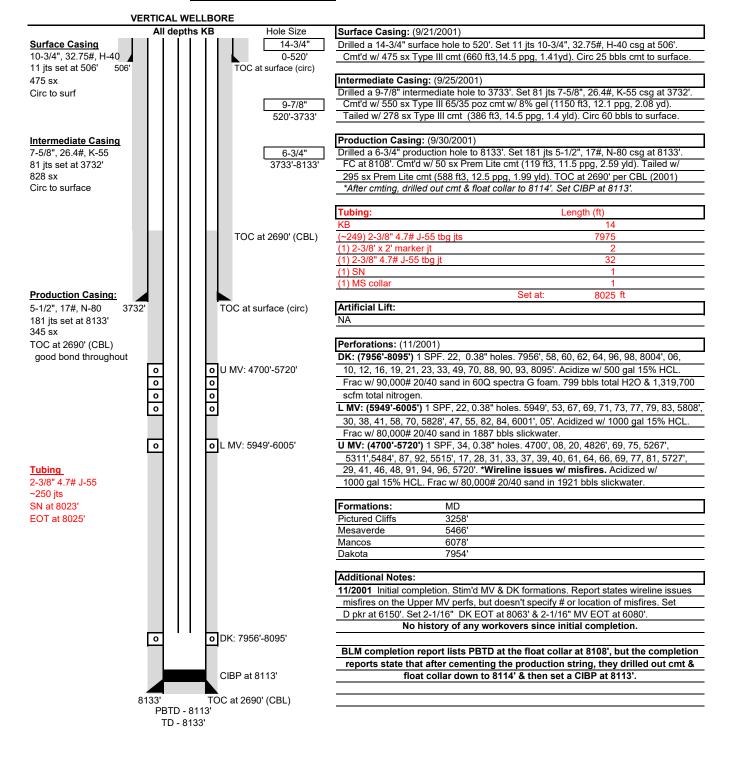
#### **Proposed Isolation Wellbore Schematic**





#### **Proposed Downhole Commingle Wellbore Schematic**

Well Name: Rosa Unit 1	49B	-	-	Date Prepared:	2/7/2024 Moss	
Location: E-12-31N-0	6W 1	440' FNL & 335' FWL		Reviewed By:	2/13/2024 Peace	
County: Rio Arriba, N	M			Last Updated:		
API #: 30-039-265	99			Spud Date:	9/19/2001	
Co-ordinates: Lat 36.9174	69, Lon	g -107.4219589 NAD83		Completion Date:	11/17/2001	
Elevations: GRO	UND:	6421'		Last Workover Date:	N/A	
	KB:	6435'				
Depths (KB): F	BTD:	8113'				
	TD:	8133'		_		



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

Operator:	OGRID:
LOGOS OPERATING, LLC	289408
2010 Afton Place	Action Number:
Farmington, NM 87401	319990
	Action Type:
	[C-107] Down Hole Commingle (C-107A)

#### COMMENTS

Created By	Comment	Comment Date
dmcclure	DHC-5358	3/28/2024

COMMENTS

Page 23 of 24

Action 319990

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

Operator:	OGRID:
LOGOS OPERATING, LLC	289408
2010 Afton Place	Action Number:
Farmington, NM 87401	319990
	Action Type:
	[C-107] Down Hole Commingle (C-107A)

#### CONDITIONS

Created By	Condition	Condition Date
dmcclure	If an alteration is made to the Well or a condition within the Well changes which may cause the allocation of production to the Pools as approved within this Permit to become inaccurate, then no later than sixty (60) days after that event, the Operator shall submit Form C-103 to the OCD Engineering Bureau describing the event and include a revised allocation plan. If OCD denies the revised allocation plan, this Permit shall terminate on the date of such action.	3/28/2024
dmcclure	If the downhole commingling of the Pools reduces the value of the oil and gas production to less than if it had remained segregated, no later than sixty (60) days after the decrease in value has occurred the Operator shall submit a new downhole commingling application to OCD to amend this Permit to remove the pool that caused the decrease in value. If the Operator fails to submit a new application, this Permit shall terminate on the following day, and if OCD denies the application, this Permit shall terminate on the date of such action.	3/28/2024
dmcclure	If a completed interval of the Well is altered from what is submitted within this application, then no later than sixty (60) days after the alteration, the Operator shall submit Form C-103 to the OCD Engineering Bureau detailing the alteration and completed interval.	3/28/2024
dmcclure	The Operator shall calculate the oil and gas production average during the fourth year after the commencement of commingling, which shall be used to establish a fixed percentage of the total oil and gas production that shall be allocated to each of the Pools ("fixed percentage allocation plan"). No later than ninety (90) days after the fourth year, the Operator shall submit a Form C-103 to the OCD Engineering Bureau that includes the fixed percentage allocation plan and all data used to determine it. If the Operator fails to do so, this Permit shall terminate on the following day. If OCD denies the fixed percentage allocations, then the approved percentage allocation plan shall be used to determine oil and gas allocation starting on the date of such action until the Well is plugged and abandoned.	3/28/2024

Action 319990