

DATE IN 06/02/13	SUSPENSE	ENGINEER PG	LOGGED IN 06/03/2013	TYPE DHC	APP NO. AXK1315438409
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

API - 30 - 039 - 31181
 NRCA State 7A
 Logos Operating

2013 JUN - 3 A 9:50
 RECEIVED OCD

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
 [B] ☐ Offset Operators, Leaseholders or Surface Owner
 [C] ☐ Application is One Which Requires Published Legal Notice
 [D] ☒ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
 [E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,
 [F] ☐ Waivers are Attached

[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is accurate and complete to the best of my knowledge. I also understand that no action will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

John Austin Akers
 Print or Type Name

Signature

Title

Vice President of Land

Date

5/31/13
 aakers@logosresourcesllc.com
 e-mail Address

NRCA 7A

District I
1625 N. French Drive, Hobbs, NM 88240

District II
811 S. First St., Artesia, NM 88210

District III
1000 Rio Brazos Road, Aztec, NM 87410

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-107A
Revised August 1, 2011

APPLICATION TYPE
☒ Single Well
☐ Establish Pre-Approved Pools
EXISTING WELLBORE
☐ Yes ☒ No

APPLICATION FOR DOWNHOLE COMMINGLING

Logos Operating, LLC

4001 N. Butler, Bldg 7101 Farmington, NM 87401

Operator
NCRA State

#7A

Address
Unit Letter A, Section 16, T24N, R6W

Rio Arriba

Lease

Well No.

Unit Letter-Section-Township-Range

County

OGRID No. 289408 Property Code 310176 API No. 30-039-31181 Lease Type: ☐ Federal ☒ State ☐ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Devils Fork Mesa Verde		Devils Fork Gallup
Pool Code	17620		17610
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	Est. 4464'-4525' ✓		Est. 5278'-5774' ✓
Method of Production (Flowing or Artificial Lift)	Pumping		Pumping
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	Est. 1900 psi ✓		Est. 2400 psi
Oil Gravity or Gas BTU (Degree API or Gas BTU)	Est. Oil Gravity 44.8 1350 BTU Gas ✓		Est. Oil Gravity 39 1289.4 BTU Gas ✓
Producing, Shut-In or New Zone	New Zone ✓		New Zone ✓
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Rates: Est. 25 bopd, Est. 75 mcf/d ✓		Rates: Est. 50 bopd, Est. 125 mcf/d ✓
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	The allocation of produced volumes will be based on flowback results and offset production data from the NCRA Nos. 1 and 4		The allocation of produced volumes will be based on flowback results and offset production data from the NCRA Nos. 1 and 4

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones?
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail?

Yes ☒ No ☐
Yes ☐ No ☐

Are all produced fluids from all commingled zones compatible with each other?

Yes ☒ No ☐

Will commingling decrease the value of production?

Yes ☐ No ☒

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application?

Yes ☒ No ☐

NMOCD Reference Case No. applicable to this well: Case No. 5331- Order No. R-4882: Approved in 1975

Attachments:

- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation method or formula.
- Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
- Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE  TITLE: VP of Land DATE 5/31/2013

TYPE OR PRINT NAME John Austin Akers TELEPHONE NO. (303) 550-1877

E-MAIL ADDRESS aakers@logosresourcesllc.com



4001 N. Butler Ave, Bldg 7101
Farmington, NM 87401
Phone: (505) 215-8215
Fax: (303) 974-1767

Date: May 31, 2013

To: NMOCD

Re: NCRA 7A - Downhole Commingle Allocation

Dear NMOCD,

Logos Operating, LLC (OGRID 289408) proposes to downhole commingle the NCRA 7A (API 30-039-31181) Devils Fork Gallup and Devils Fork Mesa Verde formations. The NCRA 6F commingle proposal is based on the success obtained in the offset NCRA #1 (API 30-039-05486) and NCRA #4 (API 30-039-82326) which were commingled in the Devils Fork Gallup and Devils Fork Mesa Verde formations based on the pre-approved comingling order No. R-4882

The allocation formula will be based on results obtained from the flowback operations after completion and based on the provisions of R-4882

Regards,

A handwritten signature in black ink, appearing to read "John Austin Akers", is written over a horizontal line.

John Austin Akers
Vice President of Land

District I
1625 N. French Dr., Hobbs, NM 88240
Phone (575) 393-6161 Fax: (575) 393-6720

District II
811 S. First St., Artesia, NM 88210
Phone: (575) 746-1263 Fax: (575) 746-9720

District III
1000 Rio Bravo Rd., Alamogordo, 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

Form C-102
August 1, 2011
Permit 162392

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-039-31181	2. Pool Code 17620	3. Pool Name DEVILS FORK MESAVARDE
4. Property Code 310176	5. Property Name NCRA STATE	6. Well No 007A
7. OGRID No 289408	8. Operator Name LOGOS OPERATING, LLC	9. Elevation 6697

10. Surface Location

1/4 - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
A	16	24N	06W	A	1181	N	666	E	RIO ARriba

11. Bottom Hole Location If Different From Surface

1/4 - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 40.00		13. Joint or Indiv		14. Consolidation Code		15. Order No.			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	OPERATOR CERTIFICATION	
	<i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i>	
	E-Signed By: DAVID PAUL GONZALES Title: VICE PRESIDENT OF OPERATIONS Date: 2/21/2013	
	SURVEYOR CERTIFICATION	
<i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>		
Surveyed By: David Russell Date of Survey: 12/11/2012 Certificate Number: 10201		

District I
1625 N. French Dr., Hobbs, NM 88240
Phone (575) 393-4161 Fax: (575) 393-4720
District II
811 S. First St., Artesia, NM 88210
Phone (575) 748-1283 Fax: (575) 748-9720
District III
1006 Rio Brazos Rd., Aztec, NM 87410
Phone (505) 334-4178 Fax: (505) 334-4170
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

Form C-102
August 1, 2011
Permit 162552

Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-039-31181	2. Pool Code 17610	3. Pool Name DEVILS FORK GALLUP (ASSOCIATED)
4. Property Code 310176	5. Property Name NCRA STATE	6. Well No. 007A
7. OORID No. 289408	8. Operator Name LOGOS OPERATING, LLC	9. Elevation 6697

10. Surface Location

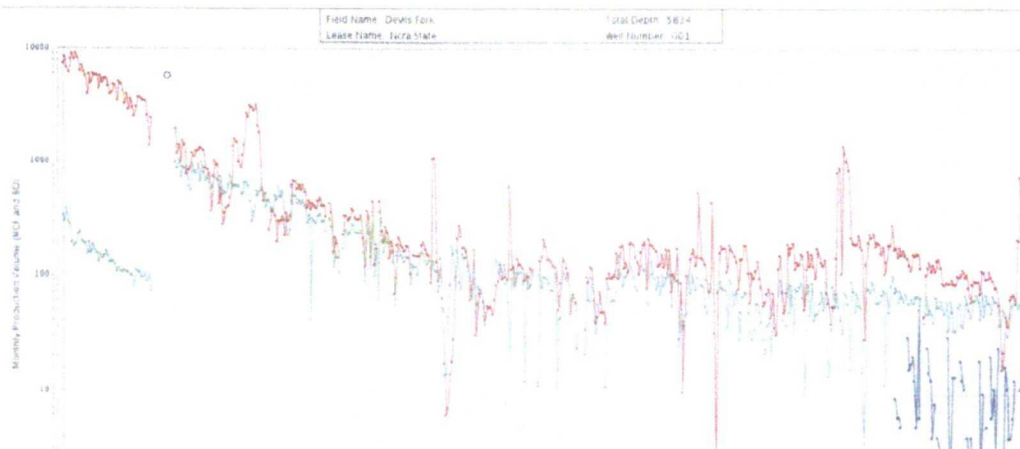
UTL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
A	16	24N	06W	A	1181	N	666	E	RIO ARriba

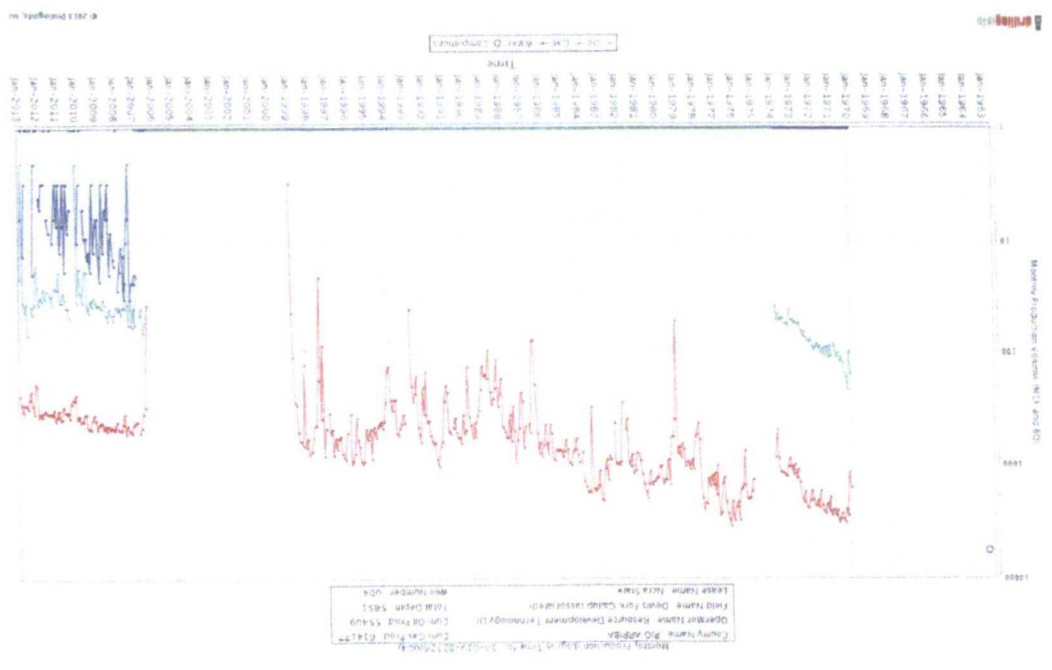
11. Bottom Hole Location If Different From Surface

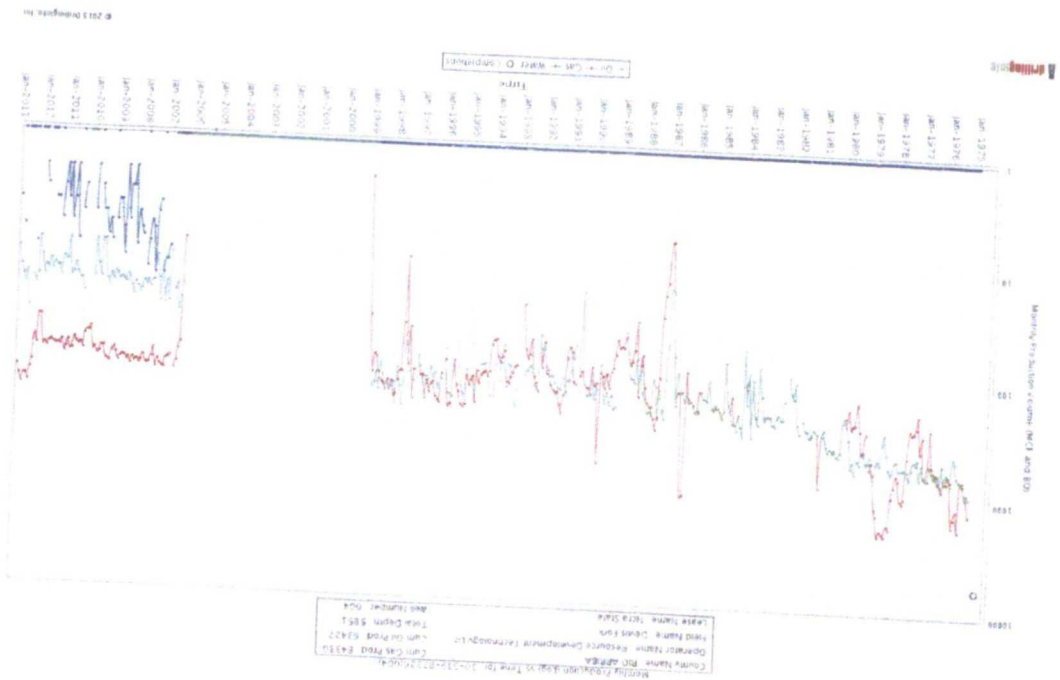
UTL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 160.00	13. Jeter or Infill	14. Consolidation Code	15. Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>E-Signed By: DAVID PAUL GONZALES Title: VICE PRESIDENT OF OPERATIONS Date: 2/21/2013</p>
	<p>SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>Surveyed By: David Russell Date of Survey: 12/11/2012 Certificate Number: 10201</p>

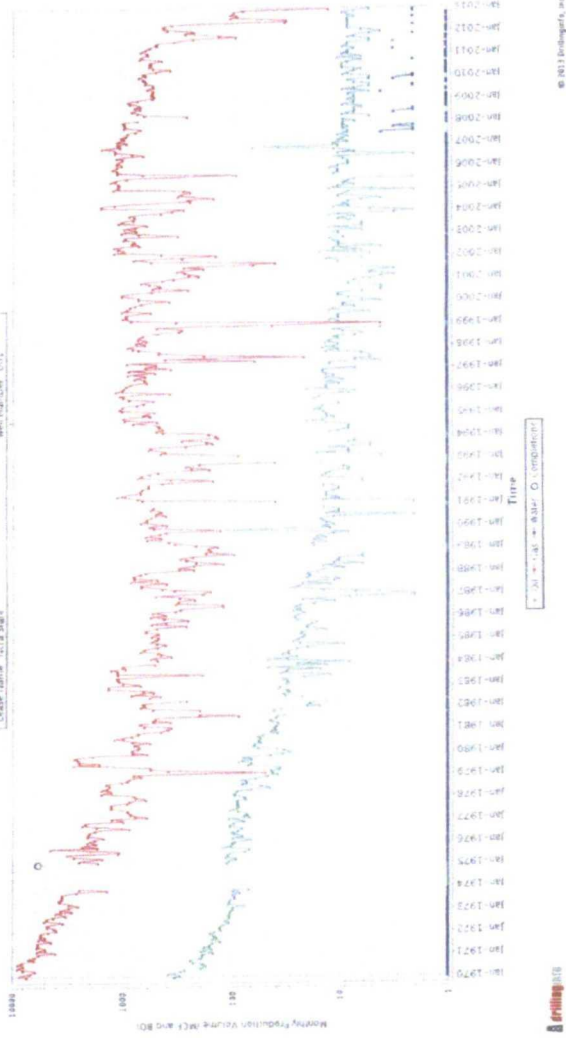






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Well Name: 75447
 Operator Name: Petrobras Uniao Nacional Tecnologia LT
 Field Name: Dunes Fm. Campo (Anisotropy)
 Uplift Name: Nova Siga
 Well Number: 011
 Well ID: 75447
 Well Depth: 75447
 Well Type: Oil
 Well Status: Active





4001 N. Butler Blvd. Bldg 7101
Farmington, NM 87401
Phone: (832) 794-1355
Fax: (303) 974-1767

May 31, 2013

NMSLO- Oil and Gas Division/Minerals
310 Old Santa Fe Trail
Santa Fe, NM 87501

**Re: Logos Operating, LLC
Regulatory documents**

To whom it may concern:

Enclosed please find one courtesy copy of the following documents which were mailed to the New Mexico Oil Conservation Division on May 31, 2013:

- C107A: Downhole Commingle Form for NCRA State 6F well
- C107A: Downhole Commingle Form for NCRA State 7A well

Please contact me with any questions or concerns you may have regarding these documents.

Very truly yours,

A handwritten signature in black ink, appearing to read 'John Austin Akers', written over a horizontal line.

John Austin Akers
Vice President of Land
303-550-1877