

ABOVE THIS LINE FOR DIVISION USE ONLY

4624

**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

[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

2013 JUN - 3 A 9:50  
 RECEIVED OGD

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

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107A  
Revised August 1, 2011

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

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

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

District III  
1000 Rio Brazos Road, Aztec, NM 87410

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

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 X State Fee

Table with 4 columns: DATA ELEMENT, UPPER ZONE, INTERMEDIATE ZONE, LOWER ZONE. Rows include Pool Name, Pool Code, Top and Bottom of Pay Section, Method of Production, Bottomhole Pressure, Oil Gravity or Gas BTU, Producing, Shut-In or New Zone, Date and Oil/Gas/Water Rates of Last Production, and Fixed Allocation Percentage.

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes X No
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes No
Are all produced fluids from all commingled zones compatible with each other? Yes X No
Will commingling decrease the value of production? Yes No X
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 X 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 [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

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Date: May 31, 2013

To: NMOCD

Re: NCRA 7A - Downhole Commingle Allocation

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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 commingle 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", 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) 393-0720

**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 142352

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

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

**10. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Foot Front	N-S Line	Foot Front	E-W Line	County
A	16	24N	06W	A	1181	N	666	E	RIO ARRIBA

**11. Bottom Hole Location If Different From Surface**

UL - Lot	Section	Township	Range	Lot Idn	Foot Front	N-S Line	Foot Front	E-W Line	County
12. Dedicated Acres 40.00		13. Jctct 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**

<table border="1" style="width: 100%; height: 100%;"> <tr> <td style="width: 25%; height: 20px;"></td> <td style="width: 25%; height: 20px;"></td> <td style="width: 25%; height: 20px;"></td> <td style="width: 25%; height: 20px; background-color: #cccccc;"></td> </tr> <tr> <td style="height: 20px;"></td> <td style="height: 20px;"></td> <td style="height: 20px;"></td> <td style="height: 20px;"></td> </tr> <tr> <td style="height: 20px;"></td> <td style="height: 20px;"></td> <td style="height: 20px;"></td> <td style="height: 20px;"></td> </tr> <tr> <td style="height: 20px;"></td> <td style="height: 20px;"></td> <td style="height: 20px;"></td> <td style="height: 20px;"></td> </tr> </table>																	<p style="text-align: center;"><b>OPERATOR CERTIFICATION</b></p> <p><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></p> <p>E-Signed By: DAVID PAUL GONZALES Title: VICE PRESIDENT OF OPERATIONS Date: 2/21/2013</p> <hr/> <p style="text-align: center;"><b>SURVEYOR CERTIFICATION</b></p> <p><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></p> <p>Surveyed By: David Russell Date of Survey: 12/11/2012 Certificate Number: 10201</p>

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-4161 Fax:(575) 393-0720  
**District II**  
811 S. Pine 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**  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

Form C-102  
August 1, 2011  
Pamir 162552

**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**

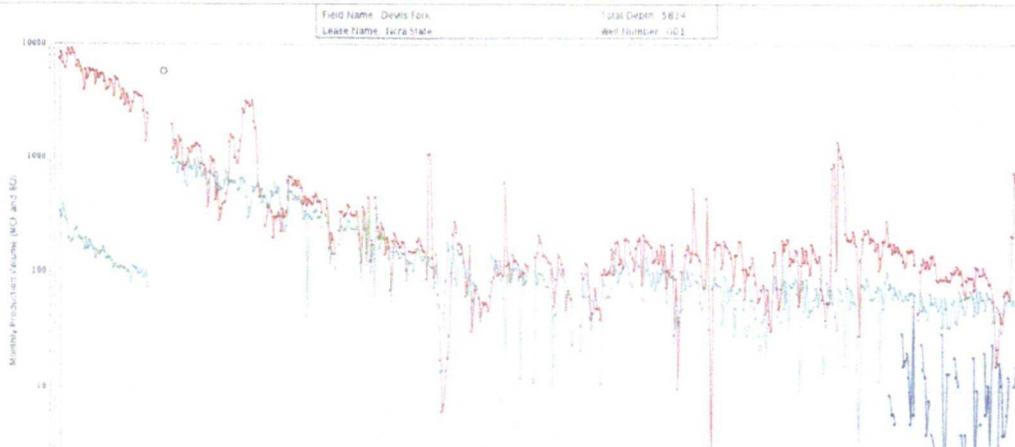
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
A	16	24N	06W	A	1181	N	666	E	RIO ARRIBA

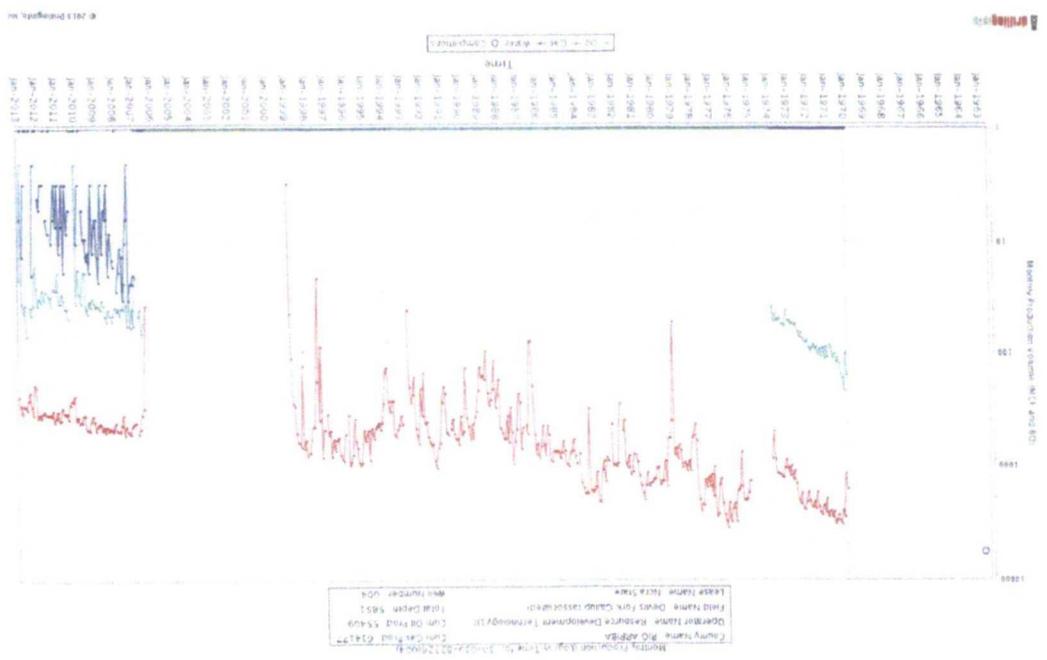
**11. Bottom Hole Location If Different From Surface**

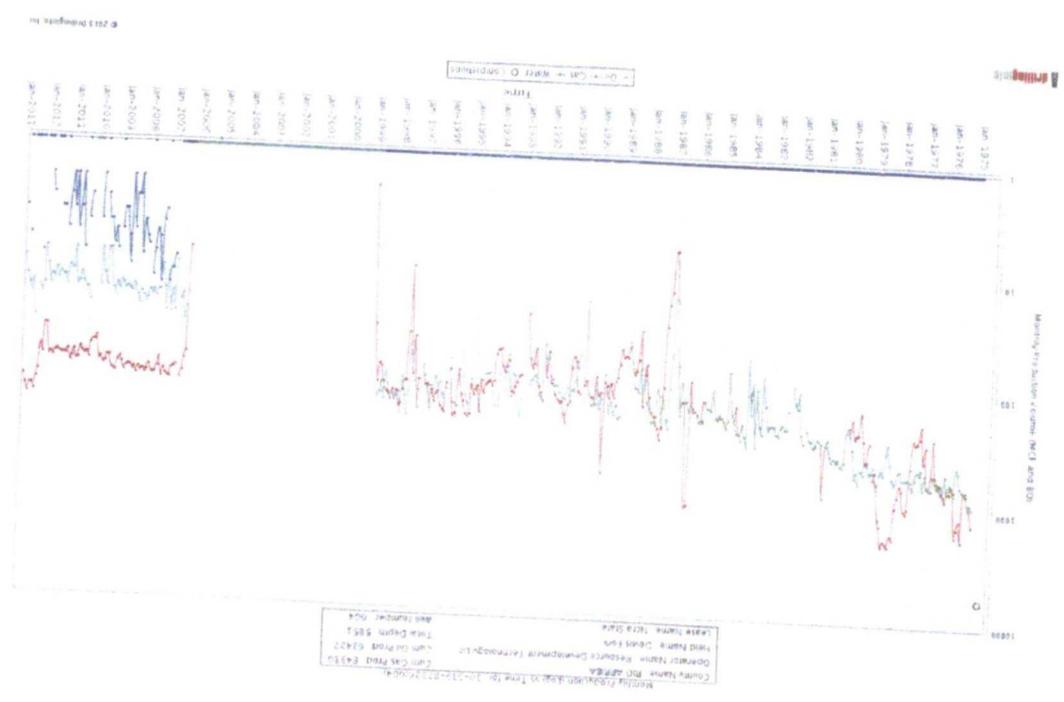
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 160.00	13. Jeter or Infill	14. Consolidation Code	15. Order No.						

**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**

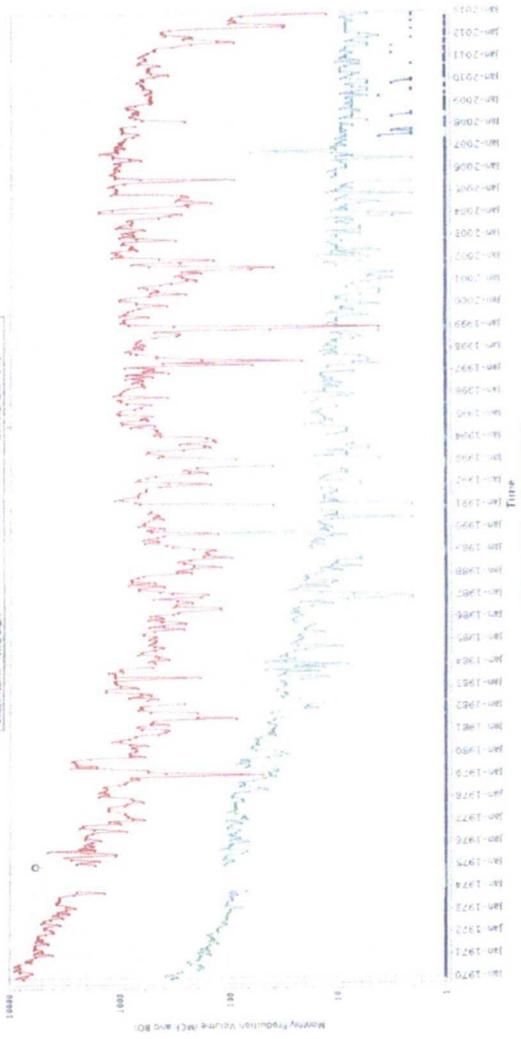
	<b>OPERATOR CERTIFICATION</b>		
	<p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) 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></p>		
	<p>E-Signed By: DAVID PAUL GONZALES Title: VICE PRESIDENT OF OPERATIONS Date: 2/21/2013</p>		
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MWD Data  
 Well Name: 707-2122-20-000-001  
 Operator Name: Petrobras Unconventional Technology US  
 Well Name: Deep's Field - Campo - 75447  
 Well Depth: 58334  
 Well Type: Oil  
 Well Status: Active



Drilling

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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 in a cursive style.

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