

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION  
 - Engineering Bureau -  
 1220 South St. Francis Drive, Santa Fe, NM 87505



30-039-31180  
 NCRA State #6  
 LOGOS operating

## 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]

6780

- [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 \_\_\_\_\_
- [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.

Austin Akers  
 Print or Type Name

*Austin Akers*  
 Signature

VP of Land 2/20/13  
 Title Date  
 aakers@logosresourcesllc.com  
 e-mail Address



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

Ms. Jami Bailey, Director  
New Mexico Oil Conservation Division  
1220 S. St. Francis Dr.  
Santa Fe, NM 87505

**Sent Via Overnight Mail 2/21/2013**

**Re: Logos Operating, LLC  
Request for Administrative Approval  
Unorthodox Well Location  
Devils Fork Gallup Pool – 17610 (oil)  
NCRA #6  
API No. – 30-039-31180  
2240' FNL and 2172' FWL (O) (vertical)  
SE/4NW/4 Section 16, T24N, R6W  
Rio Arriba County, New Mexico**

RECEIVED OOD  
2013 FEB 22 P 1:05

Dear Ms. Bailey:

On behalf of Logos Operating, LLC ("Logos") and pursuant to Division Rule 19.15.15.13 and the special pool rules governing the well location requirements for the Devils Fork Gallup Pool (17610- oil), we request administrative approval an unorthodox well location for the NCRA #6 to be located 2240' from the north line and 2172' from the west line of Section 8, T24N, R6W NMPM in Rio Arriba County. The NW/4 of Section 16 will be dedicated to the well.

The special pool rules for the Devils Fork Gallup Pool (oil) provide that wells shall be drilled not closer than 790' to any qtr section boundary (the spacing unit) and not closer than 330' to any interior quarter-quarter section line or subdivision inner boundary. The location proposed for this well is consequently unorthodox by approximately 322' to the east and 400' to the south. The C 101 APD along with the C-102 plat showing the proposed location for the well are attached as Exhibits A and B.

Logos seeks an exception from the applicable well location rules for the following reasons: The surface of the lands in the immediate vicinity is predominated by mesas and arroyos. These circumstances are demonstrated by the attached, USGS topographic map (Exhibit C).

Pursuant to Order No. R-1641-A, a list of the operators in Section 16 is attached hereto along with certification that all operators within the section and all offset operators (of which there are none encroached upon other than those in the section) have been notified. Furthermore, please note that Logos Resources LLC owns and operates the Devil's Fork Gallup spacing unit in the W/2 and S/2 of Section 16 toward which the well location encroaches.

The Division's Administrative Application Checklist is enclosed.

Thank you for your consideration of this request. Should more information be required, please do not hesitate to contact me at 303-550-1877.

Very truly yours,

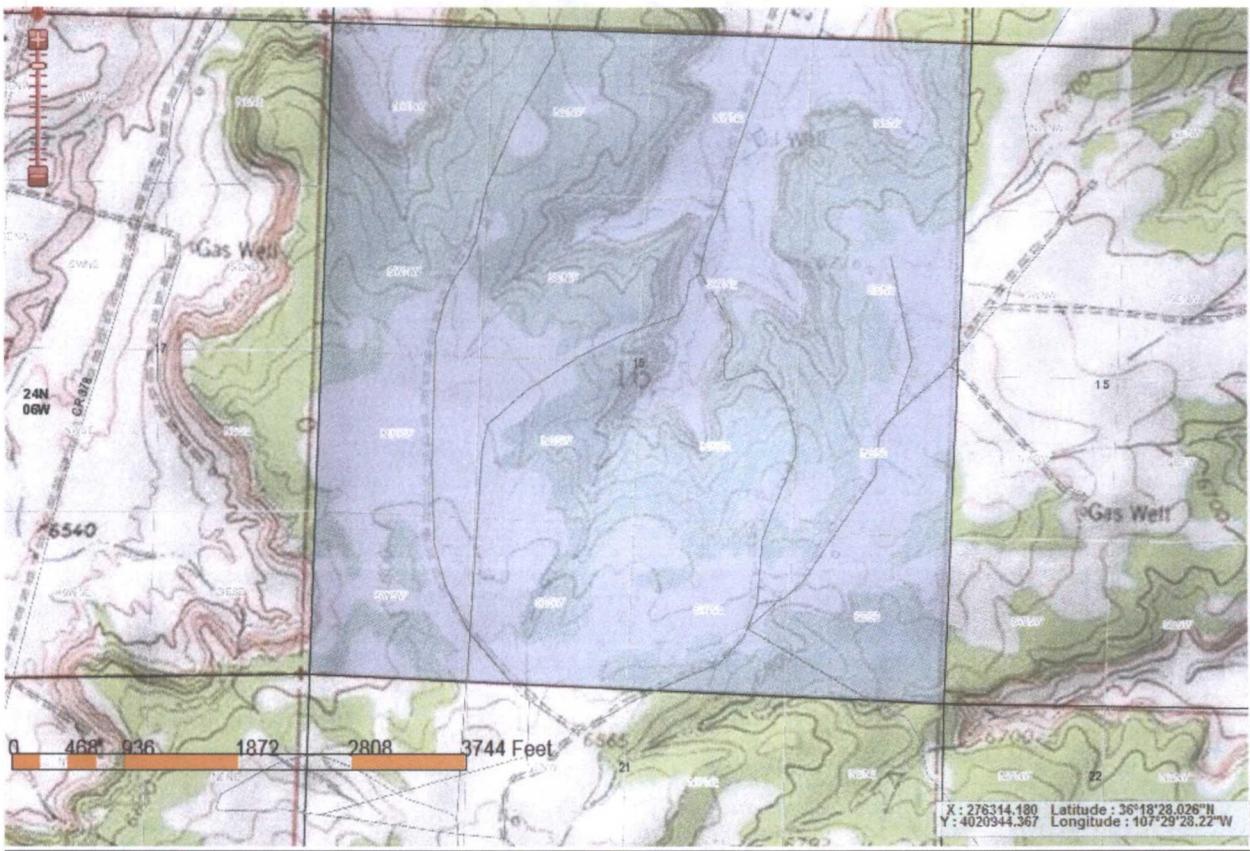


John Austin Akers

Vice President of Land

Enclosures:

- USGS Topographical Map
- List of Operators in the Section
- Exhibit A - APD
- Exhibit B - C-102
- Administrative Application Checklist



**List of Operators encroached upon (offset) or within the same section (S16-T24N,R6W)**

BENSON-MONTIN-GREER DRILLING CORP – Notice mailed 2/21/2013  
4900 College Blvd.  
Farmington, NM 87402

*End*



**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**

Form C-101  
August 1, 2011  
Permit 162034

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

|  |                           |
|--|---------------------------|
| 1. Operator Name and Address<br>LOGOS OPERATING, LLC<br>4001 N. Butler, Bldg 7101<br>Farmington , NM 87401 | 2. OGRID Number<br>289408 |
| 4. Property Code<br>310176   | 3. API Number             |
| 5. Property Name<br>NCRA STATE   | 6. Well No.<br>006        |

**7. Surface Location**

| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County     |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|------------|
| F        | 16      | 24N      | 06W   | F       | 2240      | N        | 2172      | W        | RIO ARRIBA |

**8. Proposed Bottom Hole Location**

| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
|          | -1      |          |       |         | 0         |          | 0         |          |        |

**9. Pool Information**

|                                 |       |
|---------------------------------|-------|
| DEVILS FORK MESAVERDE           | 17620 |
| DEVILS FORK GALLUP (ASSOCIATED) | 17610 |

**Additional Well Information**

|                           |                            |  |                         |                                    |
|---------------------------|----------------------------|--|-------------------------|------------------------------------|
| 11. Work Type<br>New Well | 12. Well Type<br>OIL       | 13. Cable/Rotary                       | 14. Lease Type<br>State | 15. Ground Level Elevation<br>6735 |
| 16. Multiple<br>Y         | 17. Proposed Depth<br>6300 | 18. Formation<br>Gallup Formation      | 19. Contractor          | 20. Spud Date                      |
| Depth to Ground water     |                            | Distance from nearest fresh water well |                         | Distance to nearest surface water  |

**21. Proposed Casing and Cement Program**

| Type  | Hole Size | Casing Type | Casing Weight/ft | Setting Depth | Sacks of Cement | Estimated TOC |
|-------|-----------|-------------|------------------|---------------|-----------------|---------------|
| Surf. | 12.25     | 9.625       | 36               | 320           | 170             | 0             |
| Prod  | 7.875     | 5.5         | 15.5             | 6300          | 1131            | 0             |

**Casing/Cement Program: Additional Comments**

Surface casing: 12-1/4" hole, 9-5/8" 36# J-55 csg @ 320'. Use 170 sx of Type V w/ 2% CaCl2 & 1/4 #/sk celloflake 100% excess to circulate cement to surface. Production Casing: 7-7/8" hole, 5-1/2" 15.5# J-55 csg @ 6300'. DV tool @ 4696'. 1st Stage: Lead w/ 237 sx of Cl "B" 65/35 poz w/ 6% gel, 1% CaCl2, 4% phenoseal, & 1/4 #/sx celloflake. Tail w/ 100 sx of Cl "B" 50/50 poz w/ 0.15% dispersant, 1%CaCl2 and 1/4#/sk. celloflake. 2nd Stage: Lead w/ 694 sx Cl "B" 65/35 poz w/ 6% gel, 1% CaCl2, & 1/4 #/sx celloflake Tail w/ 100 sx of Cl "B" 50/50 poz w/ 0.15% dispersant, 1%CaCl2 & 1/4#/sk.celloflake. Total cement volume is 1806 cu.ft. 50% excess to hole volume to circulate cement to surface.

**22. Proposed Blowout Prevention Program**

| Type      | Working Pressure | Test Pressure | Manufacturer |
|-----------|------------------|---------------|--------------|
| DoubleRam | 2000             | 2000          |              |

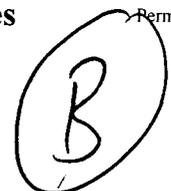
|  |                                  |
|--|----------------------------------|
| 23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.<br>I further certify I have complied with 19.15.14.9 (A) NMAC <input type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input type="checkbox"/> if applicable.<br>Signature: | <b>OIL CONSERVATION DIVISION</b> |
| Printed Name:  | Approved By:                     |
| Title:   | Title:                           |
| Title:   | Approved Date:                   |
| Title:   | Expiration Date:                 |

|                |        |
|----------------|--------|
| Email Address: |        |
| Date:          | Phone: |

**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**

Form C-102  
 August 1, 2011  
 Permit 162034



**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|                            |  |                                       |
|----------------------------|--|---------------------------------------|
| 1. API Number              | 2. Pool Code<br>17620                    | 3. Pool Name<br>DEVILS FORK MESAVERDE |
| 4. Property Code<br>310176 | 5. Property Name<br>NCRA STATE           | 6. Well No.<br>006                    |
| 7. OGRID No.<br>289408     | 8. Operator Name<br>LOGOS OPERATING, LLC | 9. Elevation<br>6735                  |

**10. Surface Location**

| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County     |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|------------|
| F        | 16      | 24N      | 06W   |         | 2240      | N        | 2172      | W        | 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<br>40.00 |         | 13. Joint 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 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:<br/>             Title:<br/>             Date:</p> <hr/> <p 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<br/>             Date of Survey: 12/11/2012<br/>             Certificate Number: 10201</p> |
|--|--|

**District I**  
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**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 162034



**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|                            |  |   |
|----------------------------|--|---|
| 1. API Number              | 2. Pool Code<br>17610                    | 3. Pool Name<br>DEVILS FORK GALLUP (ASSOCIATED) |
| 4. Property Code<br>310176 | 5. Property Name<br>NCRA STATE           | 6. Well No.<br>006                              |
| 7. OGRID No.<br>289408     | 8. Operator Name<br>LOGOS OPERATING, LLC | 9. Elevation<br>6735                            |

**10. Surface Location**

| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County     |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|------------|
| F        | 16      | 24N      | 06W   |         | 2240      | N        | 2172      | W        | 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<br>160.00 |         | 13. Joint 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 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:<br/>                 Title:<br/>                 Date:</p> |
|  | <p 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<br/>                 Date of Survey: 12/11/2012<br/>                 Certificate Number: 10201</p>  |

**Permit Comments**

**Operator: LOGOS OPERATING, LLC , 289408**

**Well:** NCRA STATE #006  
**API:**

**There are no comments for this permit**

**Brooks, David K., EMNRD**

---

**From:** Brooks, David K., EMNRD  
**Sent:** Monday, March 04, 2013 9:42 AM  
**To:** 'aakers@logosresourcesllc.com'  
**Subject:** NCRA State #5; NSL Application

Dear Mr. Akers

We are in receipt of the referenced application.

However, in order to process this application, we need a statement as described in Rule 19.15.15.13.D NMAC indicating that the notice given to the offsetting operator complied with the requirements of that rule. A copy of your letter of notification will suffice if the letter indicates that you have complied with the requirements of 19.15.15.13.D and it contains the required admonition that any objection must be filed with OCD within 20 days after the date that OCD received the application.

If you have not complied with 19.15.15.13.D, a new notice will be required, and the 20-day time will run from the date the new notice is sent. Alternatively, a waiver signed by the noticed party would suffice.

Sincerely

David K. Brooks  
Legal Examiner  
505-476-3450

**Brooks, David K., EMNRD**

---

**From:** John Austin Akers <aakers@logosresourcesllc.com>  
**Sent:** Monday, March 04, 2013 9:55 AM  
**To:** Brooks, David K., EMNRD  
**Subject:** RE: NCRA State #5; NSL Application  
**Attachments:** Logos03042013\_00000.pdf; NCRA 6 NSL Letter.docx

Good morning David,

I have attached the notification letter sent for the Logos NCRA No. 6. This letter was sent via U.S. certified mail No. 7012-2210-000-2038-7368 (stub attached) and was delivered on February 25, 2013. Please note that BMG is not an offset operator in the same formations applied for (as Logos is the only Operator of the Gallup and Mesa Verde in this section) However, they do operate other formations in the section, and as such we have notified them of our application and their right to object. Please let me know if you require any additional information on this.

Thank you

John "Austin" Akers  
Vice President of Land  
Logos Resources, LLC  
Phone: 303-550-1877

---

**From:** Brooks, David K., EMNRD [<mailto:david.brooks@state.nm.us>]  
**Sent:** Monday, March 04, 2013 10:42 AM  
**To:** John Austin Akers  
**Subject:** NCRA State #5; NSL Application

Dear Mr. Akers

We are in receipt of the referenced application.

However, in order to process this application, we need a statement as described in Rule 19.15.15.13.D NMAC indicating that the notice given to the offsetting operator complied with the requirements of that rule. A copy of your letter of notification will suffice if the letter indicates that you have complied with the requirements of 19.15.15.13.D and it contains the required admonition that any objection must be filed with OCD within 20 days after the date that OCD received the application.

If you have not complied with 19.15.15.13.D, a new notice will be required, and the 20-day time will run from the date the new notice is sent. Alternatively, a waiver signed by the noticed party would suffice.

Sincerely

David K. Brooks  
Legal Examiner  
505-476-3450

The information contained in this email and any attachments is confidential and may be subject to copyright or other intellectual property protection. If you are not the intended recipient, you are not authorized to use or disclose this information, and we request that you notify us by reply mail or telephone and delete the original message from your mail system.

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**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

BMG Corp  
4900 College Blvd  
Farmington, NM 87402

2. Article Number  
(Transfer from service label)

PS Form 3811, August 2001

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

X *Jasmine Wiggins*

Agent

Addressee

B. Received by (Printed Name)

*Jasmine Wiggins*

C. Date of Delivery

*7-25-13*

D. Is delivery address different from item 1?  
If YES, enter delivery address below:

Yes

No

3. Service Type

Certified Mail

Registered

Insured Mail

Express Mail

Return Receipt for Merchandise

C.O.D.

4. Restricted Delivery? (Extra Fee)

Yes

7012-2210 0000 2038 7368

Domestic Return Receipt

2ACPRI-03-Z-098



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

BENSON-MONTIN-GREER DRILLING CORP  
4900 COLLEGE BLVD.  
FARMINGTON, NM 87402

**Sent Via Certified Mail**  
**February 20, 2013**

**Re: Logos Operating, LLC  
Request for Administrative Approval  
Unorthodox Well Location  
Devils Fork Gallup Pool – 17610 (oil)  
NCRA #6  
API No. – 30-039-31180  
2240' FNL and 2172' FWL (O) (vertical)  
SE/4NW/4 Section 16, T24N, R6W  
Rio Arriba County, New Mexico**

To whom it may concern:

On behalf of Logos Operating, LLC ("Logos") and pursuant to Division Rule 19.15.15.13 and the special pool rules governing the well location requirements for the Devils Fork Gallup Pool (17610- oil), we hereby notify you of our intent to drill the NCRA #6 well on unorthodox well location for the NCRA #6 to be located 2240' FNL and 2172' FWL of Section 16, T24N, R6W NMPM in Rio Arriba County. The NW/4 of Section 16 will be dedicated to the well.

The special pool rules for the Devils Fork Gallup Pool (oil) provide that wells shall be drilled not closer than 790' to any quarter section boundary and not closer than 330' to any interior quarter-quarter section line or subdivision inner boundary. The location proposed for this well is consequently unorthodox by approximately 124' to the West toward your spacing unit in the W/2 of Section 15, T24N, R6W, NMPM. The C-102 plat showing the proposed location for the well is attached hereto. The location is also unorthodox by approximately 322' to the east and 400' to the south. The C-102 for these wells is attached hereto.

Logos seeks an exception from the applicable well location rules for the following reasons: The surface of the lands in the immediate vicinity is predominated by mesas and arroyos. These circumstances are demonstrated by the attached, USGS topographic map. Please also note that Logos operates the Devil's Fork Gallup formation throughout section 16, T24N, R6W.

Should you have any objections to this application, you must file an objection in writing to the Santa Fe NMOCD office within 20 days of your receipt of this letter. We

request that prior to filing any objection, you contact us so that we may explain the benefits of this project and answer any questions you may have.

Very truly yours,

John Austin Akers  
Vice President of Land

Enclosures:  
USGS Topographical Map  
C-102

