

**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 161880

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

1. Operator Name and Address LOGOS OPERATING, LLC 4001 N. Butler, Bldg 7101 Farmington, NM 87401		2. OGRID Number 289408  3. API Number 30-039-31180
4. Property Code 310176	5. Property Name NCRA STATE	6. Well No. 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
F	16	24N	06W	F	2240	N	2172	W	Rio Arriba

**9. Pool Information**

DEVILS FORK MESAVERDE	17620
DEVILS FORK GALLUP (ASSOCIATED)	17610

**Additional Well Information**

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 6735
16. Multiple Y	17. Proposed Depth 6300	18. Formation 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% CaCl<sub>2</sub> & 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% CaCl<sub>2</sub>, 4% phenoseal, & 1/4 #/sx celloflake. Tail w/ 100 sx of Cl "B" 50/50 poz w/ 0.15% dispersant, 1%CaCl<sub>2</sub> and 1/4#/sk. celloflake. 2nd Stage: Lead w/ 694 sx Cl "B" 65/35 poz w/ 6% gel, 1% CaCl<sub>2</sub>, & 1/4 #/sx celloflake Tail w/ 100 sx of Cl "B" 50/50 poz w/ 0.15% dispersant, 1%CaCl<sub>2</sub> & 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. I further certify I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> , if applicable. Signature: Printed Name: Electronically filed by DAVID PAUL GONZALES Title: VICE PRESIDENT OF OPERATIONS Email Address: dgonzales@logosresourcesllc.com Date: 2/8/2013	<b>OIL CONSERVATION DIVISION</b> Approved By: Charlie Perrin Title: District Supervisor Approved Date: 2/19/2013    Expiration Date: 2/19/2015 Conditions of Approval Attached
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**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form C-102  
August 1, 2011  
Permit 161880

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-039-31180	2. Pool Code 17620	3. Pool Name DEVILS FORK MESAVERDE
4. Property Code 310176	5. Property Name NCRA STATE	6. Well No. 006
7. OGRID No. 289408	8. Operator Name LOGOS OPERATING, LLC	9. Elevation 6735

**10. Surface Location**

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

<table border="1" style="width: 100%; height: 150px; border-collapse: collapse; position: relative;"> <tr><td style="width: 25%; height: 40px;"></td><td style="width: 25%; height: 40px;"></td><td style="width: 25%; height: 40px;"></td><td style="width: 25%; height: 40px;"></td></tr> <tr><td style="height: 40px;"></td><td style="background-color: #cccccc; text-align: center; vertical-align: middle;">■</td><td style="height: 40px;"></td><td style="height: 40px;"></td></tr> <tr><td style="height: 40px;"></td><td style="height: 40px;"></td><td style="height: 40px;"></td><td style="height: 40px;"></td></tr> <tr><td style="height: 40px;"></td><td style="height: 40px;"></td><td style="height: 40px;"></td><td style="height: 40px;"></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: 2/8/2013</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>
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Form C-102  
August 1, 2011  
Permit 161880

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-039-31180	2. Pool Code 17610	3. Pool Name DEVILS FORK GALLUP (ASSOCIATED)
4. Property Code 310176	5. Property Name NCRA STATE	6. Well No. 006
7. OGRID No. 289408	8. Operator Name LOGOS OPERATING, LLC	9. Elevation 6735

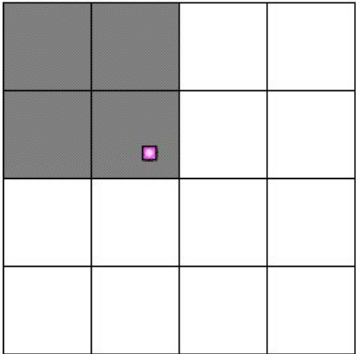
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**11. Bottom Hole Location If Different From Surface**

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12. Dedicated Acres 160.00	13. Joint or Infill		14. Consolidation Code		15. Order No.				

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## Permit Comments

Operator: LOGOS OPERATING, LLC , 289408

Well: NCRA STATE #006

API: 30-039-31180

Created By	Comment	Comment Date
CPerrin	Correct cement information and resubmit	2/8/2013

## Permit Conditions of Approval

Operator: LOGOS OPERATING, LLC , 289408

Well: NCRA STATE #006

API: 30-039-31180

OCD Reviewer	Condition
whoppe	Will require administrative order for non-standard location