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 174217

| APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE | | | | | | |
|--|----------------------|-----------------|--|--|--|--|
| 1. Operator Name and Address | | 2. OGRID Number | | | | |
| LOGOS OPERATING, LLC | LOGOS OPERATING, LLC | | | | | |
| 4001 N. Butler, Bldg 7101 | 3. API Number | | | | | |
| Farmington, NM 87401 | | 30-045-35494 | | | | |
| 4. Property Code | 5. Property Name | 6. Well No. | | | | |
| 40163 | 40163 ROADRUNNER | | | | | |
| | 7. Surface Locat | ion | | | | |

| | 4016 | 3 | | ROADRUNI | NER | | | | 002X | |
|----------|------|---------|----------|----------|------------|--------------------|----------|-----------|----------|----------|
| | | | | *** | 7. 9 | Surface Location | 100/2 | | * (4) | |
| UL - Lot | | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
| | H | 2 | 24N | 08W | Н | 2340 | N | 713 | E | San Juan |
| | | | | | 8. Propose | ed Bottom Hole Loc | ation | | | |
| UL - Lot | | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
| | H | 2 | 24N | 08W | H | 2340 | N | 713 | E | San Juan |
| | | 29 | 100 | - 23 | | | | 24 | - W- | 48 |
| | | | | | 9.1 | Pool Information | | | | |

| DUFERS POINT-GALLUP | DAKOTA | orr oor mioritation | • | 19859 |
|---------------------------|----------------------------|--|-------------------------|------------------------------------|
| DOI EIGH OILT GALEGI | Britton | F124M124A14 | 1.464 | 15055 |
| | | Additional Well Information | ation | |
| 11. Work Type New Well | 12. Well Type OIL | 13. Cable/Rotary | 14. Lease Type State | 15. Ground Level Elevation 7368 |
| 16. Multiple N | 17. Proposed Depth 6600 | 18. Formation Dakota Formation | 19. Contractor | 20. Spud Date 11/20/2013 |
| Depth to Ground water | | Distance from nearest fresh water well | · | Distance to nearest surface water |

☐ We will be using a closed-loop system in lieu of lined pits

| | 21. Proposed Casing and Cement Program | | | | | | | | |
|------|--|-------------|------------------|---------------|-----------------|---------------|--|--|--|
| Type | Hole Size | Casing Size | Casing Weight/ft | Setting Depth | Sacks of Cement | Estimated TOC | | | |
| Surf | 12.25 | 9.625 | 36 | 320 | 170 | 0 | | | |
| Prod | 7 875 | 5.5 | 17 | 6600 | 1704 | 0 | | | |

Casing/Cement Program: Additional Comments

| 22. Proposed Blowout Prevention Program | | | | | | | | |
|---|------------------|---------------|--------------|--|--|--|--|--|
| Type | Working Pressure | Test Pressure | Manufacturer | | | | | |
| Double Ram | 2000 | 1500 | | | | | | |

| 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 ⋈ and/or 19.15.14.9 (B) NMAC ⋈, if applicable. Signature: | | | | OIL CONSERVA | TION DIVISION |
|---|---|-------------|----------------|---------------------|-----------------------------|
| Signature. | | | 19 | | |
| Printed Name: | Electronically filed by DAVID PAL | JL GONZALES | Approved By: | Charlie Perrin | |
| Title: | VICE PRESIDENT OF OPERATIONS | | Title: | District Supervisor | |
| Email Address: | mail Address: dgonzales@logosresourcesllc.com | | Approved Date: | 10/17/2013 | Expiration Date: 10/17/2015 |
| Date: | 10/7/2013 Phone: 505-215-8215 | | | roval Attached | te de |

District I

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Phone:(575) 748-1283 Fax:(575) 748-9720 <u>District III</u>

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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 174217

WELL LOCATION AND ACREAGE DEDICATION PLAT

| 1. API Number | 2. Pool Code | 3. Pool Name | | | | | |
|------------------|----------------------|----------------------------|--|--|--|--|--|
| 30-045-35494 | 19859 | DUFERS POINT-GALLUP DAKOTA | | | | | |
| 4. Property Code | 5. Property Name | 6. Well No. | | | | | |
| 40163 | ROADRUNNER | 002X | | | | | |
| 7. OGRID No. | 8. Operator Name | 9. Elevation | | | | | |
| 289408 | LOGOS OPERATING, LLC | 7368 | | | | | |

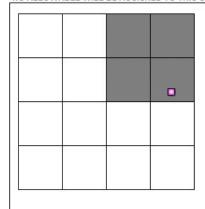
10. Surface Location

| To: Guillage Ecodatori | | | | | | | | | | |
|------------------------|---------|----------|-------|-----------|---|-----------|----------|-----------|----------|----------|
| UL - Lot | Section | Township | Range | Lot Idn | Н | Feet From | N/S Line | Feet From | E/W Line | County |
| Н | 2 | 24N | 08W | 100000000 | | 2340 | N | 713 | E | San Juan |

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 Acre 168.60 | 12. Dedicated Acres 168 60 | | | | 14. Consolidation C | ode | | 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 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.

E-Signed By: DAVID PAUL GONZALES

Title: VICE PRESIDENT OF OPERATIONS

Date: 10/7/2013

SURVEYOR CERTIFICATION

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.

Surveyed By: Glen Russel
Date of Survey: 10/3/2013
Certificate Number: 15703

Form APD Comments

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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

Permit 174217

PERMIT COMMENTS

| Operator Name and Address: | API Number: |
|-------------------------------|------------------|
| LOGOS OPERATING, LLC [289408] | 30-045-35494 |
| 4001 N. Butler, Bldg 7101 | Well: |
| Farmington, NM 87401 | ROADRUNNER #002X |

| Created By | Comment | Comment Date |
|-------------|------------------|--------------|
| AHVERMERSCH | See amended C102 | 10/15/2013 |

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Permit 174217

Form APD Conditions

| PERMIT | CONDI | TIONS OF | APPROVAL |
|--------|-------|----------|----------|
| | | | |

| Operator Name and Address: | API Number: |
|-------------------------------|------------------|
| LOGOS OPERATING, LLC [289408] | 30-045-35494 |
| 4001 N. Butler, Bldg 7101 | Well: |
| Farmington, NM 87401 | ROADRUNNER #002X |
| · | |

OCD Reviewer Condition