

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 268922

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

| | | |
|--|--|-------------------------------|
| 1. Operator Name and Address RILEY PERMIAN OPERATING COMPANY, LLC 29 E Reno Avenue, Suite 500 Oklahoma City, OK 73104 | | 2. OGRID Number 372290 |
| 4. Property Code 325760 | | 3. API Number 30-041-20988 |
| 5. Property Name MAUDE 21 16 STATE COM | | 6. Well No. 001H |

7. Surface Location

| | | | | | | | | | |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|-----------|
| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
| I | 21 | 08S | 34E | I | 1940 | S | 1010 | E | Roosevelt |

8. Proposed Bottom Hole Location

| | | | | | | | | | |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|-----------|
| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
| A | 16 | 08S | 34E | A | 20 | N | 1010 | E | Roosevelt |

9. Pool Information

| | |
|----------------------------|-------|
| MILNESAND;SAN ANDRES, WEST | 46950 |
|----------------------------|-------|

Additional Well Information

| | | | | |
|---------------------------|-----------------------------|--|---------------------------|------------------------------------|
| 11. Work Type New Well | 12. Well Type OIL | 13. Cable/Rotary | 14. Lease Type Private | 15. Ground Level Elevation 4275 |
| 16. Multiple N | 17. Proposed Depth 12850 | 18. Formation San Andres | 19. Contractor | 20. Spud Date 8/1/2019 |
| 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 | 2250 | 975 | 0 |
| Prod | 8.75 | 7 | 32 | 4974 | 490 | 0 |
| Prod | 7.875 | 5.5 | 20 | 12850 | 1875 | 0 |

Casing/Cement Program: Additional Comments

| |
|---------------------------------------|
| Production casing is a tapered string |
|---------------------------------------|

22. Proposed Blowout Prevention Program

| Type | Working Pressure | Test Pressure | Manufacturer |
|---------|------------------|---------------|------------------|
| Annular | 5000 | 5000 | To be determined |

| | |
|---|--|
| 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: | OIL CONSERVATION DIVISION |
| Printed Name: Electronically filed by Maggie Crook | Approved By: Paul F Kautz |
| Title: Sr. Land Analyst | Title: Geologist |
| Email Address: maggiemcrook@rileypermian.com | Approved Date: 7/12/2019 Expiration Date: 7/12/2021 |
| Date: 6/21/2019 Phone: 405-415-8668 | Conditions of Approval Attached |

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Form C-102
August 1, 2011
Permit 268922

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|-------------------------------|--|--|
| 1. API Number 30-041-20988 | 2. Pool Code 46950 | 3. Pool Name MILNESAND;SAN ANDRES, WEST |
| 4. Property Code 325760 | 5. Property Name MAUDE 21 16 STATE COM | 6. Well No. 001H |
| 7. OGRID No. 372290 | 8. Operator Name RILEY PERMIAN OPERATING COMPANY, LLC | 9. Elevation 4275 |

10. Surface Location

| | | | | | | | | | |
|---------------|---------------|-----------------|--------------|--------------|-------------------|---------------|-------------------|---------------|---------------------|
| UL - Lot I | Section 21 | Township 08S | Range 34E | Lot Idn I | Feet From 1940 | N/S Line S | Feet From 1010 | E/W Line E | County Roosevelt |
|---------------|---------------|-----------------|--------------|--------------|-------------------|---------------|-------------------|---------------|---------------------|

11. Bottom Hole Location If Different From Surface

| | | | | | | | | | |
|-------------------------------|---------------------|-----------------|------------------------|--------------|-----------------|---------------|-------------------|---------------|---------------------|
| UL - Lot A | Section 16 | Township 08S | Range 34E | Lot Idn A | Feet From 20 | N/S Line N | Feet From 1010 | E/W Line E | County Roosevelt |
| 12. Dedicated Acres 480.00 | 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>OPERATOR CERTIFICATION</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: Maggie Crook Title: Sr. Land Analyst Date: 6/21/2019</p> |
| | <p>SURVEYOR CERTIFICATION</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: Michael Brown Date of Survey: 5/31/2019 Certificate Number: 18329</p> |

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Form APD Comments

Permit 268922

PERMIT COMMENTS

| | | |
|---|-------------------------|--------------------------------------|
| Operator Name and Address: RILEY PERMIAN OPERATING COMPANY, LLC [372290] 29 E Reno Avenue, Suite 500 Oklahoma City, OK 73104 | | API Number: 30-041-20988 |
| | | Well: MAUDE 21 16 STATE COM #001H |
| Created By | Comment | Comment Date |
| pkautz | GCP Received 06/25/2019 | 6/25/2019 |

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Form APD Conditions

Permit 268922

PERMIT CONDITIONS OF APPROVAL

| | |
|---|--------------------------------------|
| Operator Name and Address: RILEY PERMIAN OPERATING COMPANY, LLC [372290] 29 E Reno Avenue, Suite 500 Oklahoma City, OK 73104 | API Number: 30-041-20988 |
| | Well: MAUDE 21 16 STATE COM #001H |

| OCD Reviewer | Condition |
|-----------------|---|
| pkautz | Will require a directional survey with the C-104 |
| pkautz | SURFACE & PRODUCTION CASING - Cement must circulate to surface |
| pkautz | If cement does not circulate to surface, must run temperature survey or other log to determine top of cement |
| pkautz | Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water |
| pkautz | 1)- The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud 2)- Drilling Sundries Form C-103 (Casing and Cement test are to be submitted within 10 days 3)- Completion Reports & Logs are to be submitted within 45 days 4)- Deviation / Directional Drill Survey are to be filed with or prior to C-104 |
| pkautz | It is the operator's responsibility to monitor cancellation dates of approved APDs. APD's are good for 2 years and may be extended for one year. Only one 1 year extension will be granted if submitted by C-103 before expiration date. After expiration date or after a 1 year extension must submit new APD. |