

Santa Fe Main Office  
 Phone: (505) 476-3441 Fax: (55) 476-3462  
 General Information  
 Phone: (505) 629-6116

**State of New Mexico**  
**Energy Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 South St. Francis Dr.**  
**Santa Fe, NM 87505**

Form C-101  
 Revised July 18, 2013

AMENDED REPORT

Online Phone Directory Visit:  
<https://www.emnrd.nm.gov/ocd/contact-us/>

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

|  |  |   |
|--|--|---|
| <sup>1</sup> Operator Name and Address<br>ROVER OPERATING, LLC<br>1255 W 15 <sup>th</sup> St., Ste 70<br>Plano, TX 75075 |  | <sup>2</sup> OGRID Number<br>371484     |
|  |  | <sup>3</sup> API Number<br>30-015-34157 |
| <sup>4</sup> Property Code<br>326051   | <sup>5</sup> Property Name<br>Dove State | <sup>6</sup> Well No.<br>001            |

**7. Surface Location**

| UL - Lot | Section | Township | Range | Lot Idn | Feet from | N/S Line | Feet From | E/W Line | County |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| J        | 16      | 16S      | 29E   | J       | 2310      | S        | 1650      | E        | EDDY   |

**8. Proposed Bottom Hole Location**

| UL - Lot | Section | Township | Range | Lot Idn | Feet from | N/S Line | Feet From | E/W Line | County |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| J        | 16      | 16S      | 29E   | J       | 2310      | S        | 1650      | E        | EDDY   |

**9. Pool Information**

| Pool Name            | Pool Code |
|----------------------|-----------|
| HIGH LONESOME; QUEEN | 30780     |
| HIGH LONESOME; GB-SA | 97479     |

**Additional Well Information**

|  |   |  |  |   |
|--|---|--|--|---|
| <sup>11</sup> Work Type<br><b>PLUGBACK</b> | <sup>12</sup> Well Type<br><b>OIL</b>       | <sup>13</sup> Cable/Rotary<br><b>Rotary</b>            | <sup>14</sup> Lease Type<br><b>State</b> | <sup>15</sup> Ground Level Elevation<br><b>3660</b> |
| <sup>16</sup> Multiple<br><b>No</b>        | <sup>17</sup> Proposed Depth<br><b>2000</b> | <sup>18</sup> Formation<br><b>Queen</b>                | <sup>19</sup> Contractor                 | <sup>20</sup> Spud Date<br><b>6/24/2005</b>         |
| Depth to Ground water: 75'                 |   | Distance from nearest fresh water well Approx. 5 miles |  | Distance to nearest surface water Approx. 3 miles   |

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  | 17.5      | 13.375      | 41               | 313           | 375             | Surf.         |
| Inter | 12.25     | 8.625       | 24               | 910           | 500             | Surf.         |
| Prod  | 7.875     | 5.5         | 15.5             | 4557          | 1455            | 1136'         |

**Casing/Cement Program: Additional Comments**

A CBL was run on 3/4/2023 to determine TOC of 5.5" casing.

**22. Proposed Blowout Prevention Program**

| Type       | Working Pressure | Test Pressure | Manufacturer |
|------------|------------------|---------------|--------------|
| Double Ram | 3000             | 3000          | Townsend     |

|   |   |
|---|---|
| <p><sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.<br/>                 I further certify that 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: <i>Brooks Terrell</i></p> | <p><b>OIL CONSERVATION DIVISION</b></p> |
| Printed name: Brooks Terrell  | Approved By:                            |
| Title: Geologist  | Title:                                  |
| E-mail Address: bterrell@roverpetro.com   | Approved Date:                          |
| Date: 9/13/2024   | Expiration Date:                        |
| Phone: 214234-9115  | Conditions of Approval Attached         |

|  |   |  |  |  |                                     |
|--|---|--|--|--|-------------------------------------|
| Santa Fe Main Office<br>Phone: (505) 476-3441 Fax: (55) 476-3462<br>General Information<br>Phone: (505) 629-6116<br><br>Online Phone Directory Visit:<br><a href="https://www.emnrd.nm.gov/ocd/contact-us/">https://www.emnrd.nm.gov/ocd/contact-us/</a> | State of New Mexico<br>Energy, Minerals & Natural Resources<br>Department<br><b>OIL CONSERVATION DIVISION</b> | C-102<br>Revised July 9, 2024<br>Submit Electronically<br>via OCD Permitting   |  |  |                                     |
|  |   | Submittal Type: <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td><input type="checkbox"/> Initial Submittal</td> </tr> <tr> <td><input checked="" type="checkbox"/> Amended Report</td> </tr> <tr> <td><input type="checkbox"/> As Drilled</td> </tr> </table> | <input type="checkbox"/> Initial Submittal | <input checked="" type="checkbox"/> Amended Report | <input type="checkbox"/> As Drilled |
| <input type="checkbox"/> Initial Submittal   |   |  |  |  |                                     |
| <input checked="" type="checkbox"/> Amended Report   |   |  |  |  |                                     |
| <input type="checkbox"/> As Drilled  |   |  |  |  |                                     |

**WELL LOCATION INFORMATION**

|  |                                       |  |
|--|---------------------------------------|--|
| API Number<br>30-015-34157   | Pool Code<br>30780                    | Pool Name<br>HIGH LONESOME; QUEEN  |
| Property Code<br>326051  | Property Name<br>Dove State           | Well Number<br>001   |
| OGRID No.<br>371484  | Operator Name<br>ROVER OPERATING, LLC | Ground Level Elevation<br>3660   |
| Surface Owner: <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal |                                       | Mineral Owner: <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal |

**Surface Hole Location**

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude  | Longitude   | County |
|----|---------|----------|-------|-----|--------------|--------------|-----------|-------------|--------|
| J  | 16      | 16S      | 29E   | J   | 2310' FSL    | 1650' FEL    | 32.920845 | -104.076622 | EDDY   |

**Bottom Hole Location**

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude  | Longitude   | County |
|----|---------|----------|-------|-----|--------------|--------------|-----------|-------------|--------|
| J  | 16      | 16S      | 29E   | J   | 2310' FSL    | 1650' FEL    | 32.920845 | -104.076622 | EDDY   |

|                       |                         |                   |  |                    |
|-----------------------|-------------------------|-------------------|--|--------------------|
| Dedicated Acres<br>40 | Infill or Defining Well | Defining Well API | Overlapping Spacing Unit (Y/N)   | Consolidation Code |
| Order Numbers.        |                         |                   | Well setbacks are under Common Ownership: <input type="checkbox"/> Yes <input type="checkbox"/> No |                    |

**Kick Off Point (KOP)**

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude | Longitude | County |
|----|---------|----------|-------|-----|--------------|--------------|----------|-----------|--------|
|    |         |          |       |     |              |              |          |           |        |

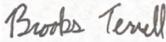
**First Take Point (FTP)**

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude | Longitude | County |
|----|---------|----------|-------|-----|--------------|--------------|----------|-----------|--------|
|    |         |          |       |     |              |              |          |           |        |

**Last Take Point (LTP)**

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude | Longitude | County |
|----|---------|----------|-------|-----|--------------|--------------|----------|-----------|--------|
|    |         |          |       |     |              |              |          |           |        |

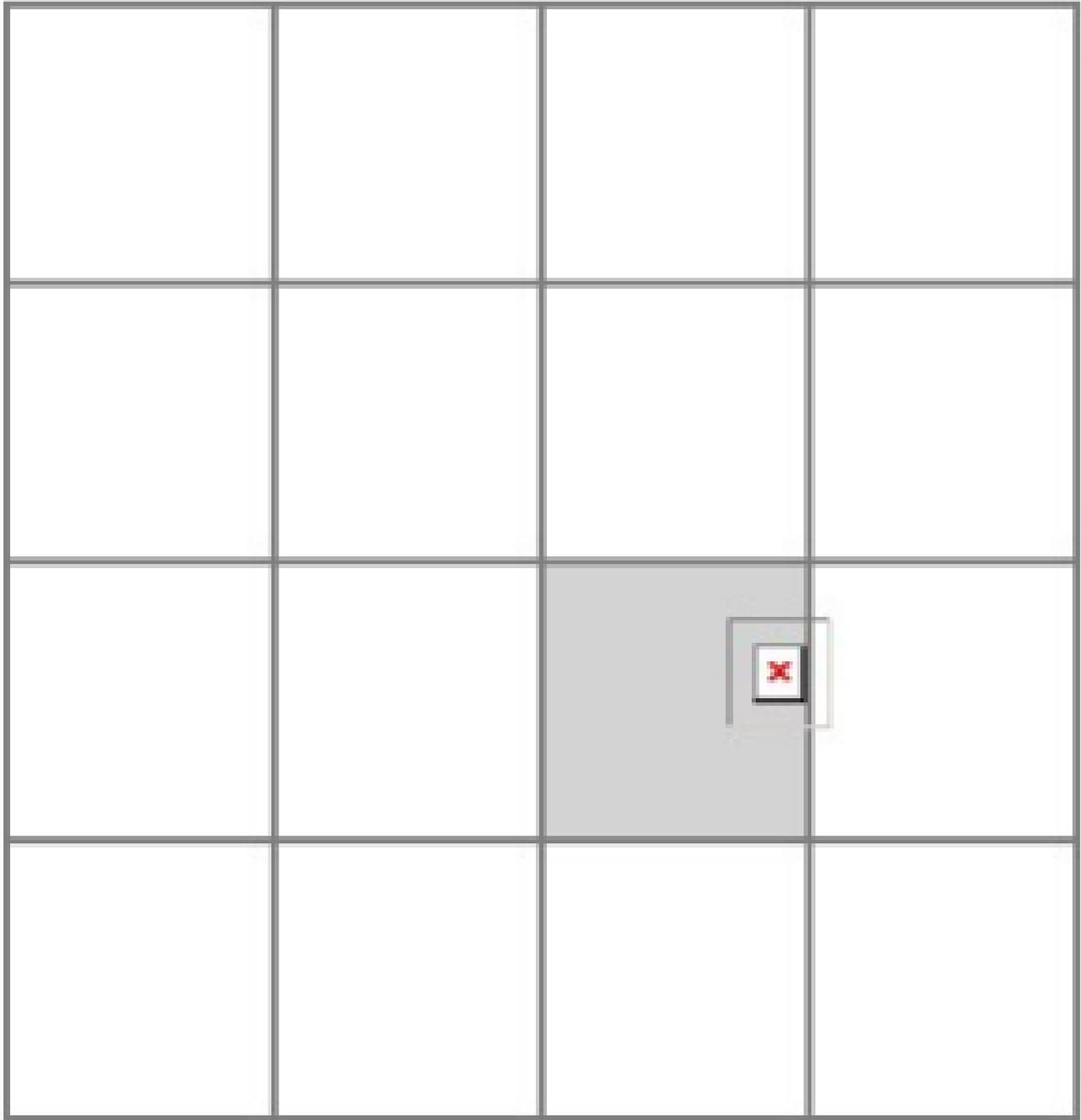
|   |  |                         |
|---|--|-------------------------|
| Unitized Area or Area of Uniform Interest | Spacing Unit Type <input type="checkbox"/> Horizontal <input checked="" type="checkbox"/> Vertical | Ground Floor Elevation: |
|---|--|-------------------------|

|  |  |
|--|--|
| <p><b>OPERATOR CERTIFICATIONS</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, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p> <p><i>If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i></p> <p style="text-align: center;">  <span style="margin-left: 150px;">9/16/2024</span> </p> <p>Signature <span style="margin-left: 150px;">Date</span></p> <p style="text-align: center;">Brooks Terrell</p> <p>Printed Name</p> <p style="text-align: center;">bterrell@roverpetro.com</p> <p>Email Address</p> | <p><b>SURVEYOR CERTIFICATIONS</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> <div style="border: 1px solid black; padding: 10px; text-align: center;"> <p><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: Gary Eidson<br/>                 Date of Survey: 06/23/2005<br/>                 Certificate Number: 12641</p> </div> |
|--|--|

Note: 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.

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.



**Natural Gas Management Plan – Dove State #1.**

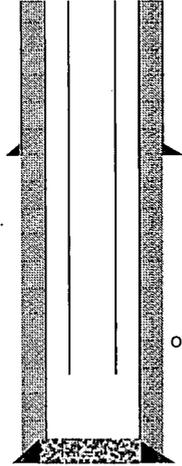
Not anticipating much gas to be produced from this zone. Will produce gas to battery and sell if quantities permit.

**Additional Casing Information – Dove State #1**

These are actuals:

| Type  | Hole Size | Casing Size | Casing Weight/ft | Setting Depth | Sacks of Cement | Estimated TOC |
|-------|-----------|-------------|------------------|---------------|-----------------|---------------|
| Surf  | 17.5      | 13.375      | 41               | 313           | 375             | Surf.         |
| Inter | 12.25     | 8.625       | 24               | 910           | 500             | Surf.         |
| Prod  | 7.875     | 5.5         | 15.5             | 4557          | 1455            | 1136'         |

A CBL was run on 3/4/2023 to determine TOC of 5.5" casing.



O Perf: 2,814-3,074' 39 holes, 0.45 size (8/1/05)  
 Acid: 2500 gal 15% HCl (8/1/05)  
 Frac: 8,000# 14/30 LiteProp, 24,860 gals 9.5# brine & 91,350# 16/30 sand, 54,978 gals 40# gel (8/3/05)  
 Test: Pumping, 20 BO & 517 BW, 24 hrs (8/29/05)  
 PBD: 4,535  
 TD: 4,570

**Dove State #001**  
**30-015-34157**  
**Current Well Bore Diagram**

|               |                     |        |                     |            |          |           |          |
|---------------|---------------------|--------|---------------------|------------|----------|-----------|----------|
| WELL NAME:    | Dove State #1       | FIELD: | High Lonesome Queen | GL:        | 3660     | PBD:      | 4,535    |
| LOCATION:     | 2310 FSL & 1650 FEL | API #: | 30-015-34157        | KB:        | 3669     | TD:       | 4,570    |
| COUNTY:       | Eddy                | ST:    | NM                  |            |          |           |          |
| LAST UPDATED: | 04/05/19            | BY:    | Z. Dyer             | SPUD DATE: | 07/08/05 | COM DATE: | 08/04/05 |

**CASING DETAILS**

| PURPOSE      | SIZE    | WEIGHT | GRADE | SET DEPTH | TOP OF CEMENT | NOTES                     |
|--------------|---------|--------|-------|-----------|---------------|---------------------------|
| SURFACE      | 13-3/8" | 41#    | J-55  | 313       | Surface       | 17-1/2" hole, 250 sxs cmt |
| INTERMEDIATE | 8-5/8"  | 24#    | J-55  | 910       | Surface       | 12-1/4" hole, 466 sxs cmt |
| PRODUCTION   | 5-1/2"  | 15.5#  | J-55  | 4,557     | Surface       | 7-7/8" hole, 1455 sxs     |
| LINER        |         |        |       |           |               |                           |

**TUBING DETAILS as of 10/22/13**

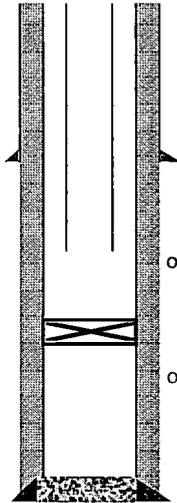
| DESCRIPTION | SIZE   | WEIGHT | GRADE | TOP | BOTTOM   | LENGTH | NOTES   |
|-------------|--------|--------|-------|-----|----------|--------|---------|
| Tubing      | 2-7/8" |        | J-55  |     | 3,094.00 |        | 97 jnts |
| SN          |        |        |       |     |          |        |         |
|             |        |        |       |     |          |        |         |
|             |        |        |       |     |          |        |         |
|             |        |        |       |     |          |        |         |
|             |        |        |       |     |          |        |         |

**ROD DETAILS as of 5/29/13**

| DESCRIPTION | SIZE        | WEIGHT | GRADE | LENGTH | NOTES |
|-------------|-------------|--------|-------|--------|-------|
| Rods        |             |        |       |        |       |
| Pump        | 2-1/2" x 2" |        |       | 24     |       |
|             |             |        |       |        |       |
|             |             |        |       |        |       |
|             |             |        |       |        |       |

Total: 24

| Formation  | Top  | Bottom |
|------------|------|--------|
| Yates      | 850  |        |
| 7 Rivers   | 1092 |        |
| Queen      | 1628 |        |
| Grayburg   | 2028 |        |
| San Andres | 2392 |        |
| Glorieta   | 3880 |        |



O Perf: 1,868-81' (4 SPF)  
 Frac: 30,000# 16/30 sand (Per Cudd's Pump Schedule)

Set RBP@ 2000'

O Perf: 2,814-3,074' 39 holes, 0.45 size (8/1/05)  
 Acid: 2500 gal 15% HCl (8/1/05)  
 Frac: 8,000# 14/30 LiteProp, 24,860 gals 9.5# brine & 91,350# 16/30 sand, 54,978 gals 40# gel (8/3/05)  
 Test: Pumping, 20 BO & 517 BW, 24 hrs (8/29/05)

PBTD: 4,535  
 TD: 4,570

**Dove State #001**  
**30-015-34157**  
**Proposed Well Bore Diagram**

|               |                     |                       |                     |              |          |           |          |       |
|---------------|---------------------|-----------------------|---------------------|--------------|----------|-----------|----------|-------|
| WELL NAME:    | Dove State #1       | FIELD:                | High Lonesome Queen | GL:          | 3660     | PBTD:     | 4,535    |       |
| LOCATION:     | 2310 FSL & 1650 FEL | Sec. 16 - T16S - R29E | API #:              | 30-015-34157 | KB:      | 3669      | TD:      | 4,570 |
| COUNTY:       | Eddy                | ST:                   | NM                  |              |          |           |          |       |
| LAST UPDATED: | 04/05/19            | BY:                   | Z. Dyer             | SPUD DATE:   | 07/08/05 | COM DATE: | 08/04/05 |       |

**CASING DETAILS**

| PURPOSE      | SIZE    | WEIGHT | GRADE | SET DEPTH | TOP OF CEMENT | NOTES                     |
|--------------|---------|--------|-------|-----------|---------------|---------------------------|
| SURFACE      | 13-3/8" | 41#    | J-55  | 313       | Surface       | 17-1/2" hole, 250 sxs cmt |
| INTERMEDIATE | 8-5/8"  | 24#    | J-55  | 910       | Surface       | 12-1/4" hole, 466 sxs cmt |
| PRODUCTION   | 5-1/2"  | 15.5#  | J-55  | 4,557     | Surface       | 7-7/8" hole, 1455 sxs     |
| LINER        |         |        |       |           |               |                           |

**TUBING DETAILS as of 10/22/13**

| DESCRIPTION | SIZE   | WEIGHT | GRADE | TOP | BOTTOM   | LENGTH | NOTES   |
|-------------|--------|--------|-------|-----|----------|--------|---------|
| Tubing      | 2-7/8" |        | J-55  |     | 3,094.00 |        | 97 jnts |
| SN          |        |        |       |     |          |        |         |
|             |        |        |       |     |          |        |         |
|             |        |        |       |     |          |        |         |
|             |        |        |       |     |          |        |         |
|             |        |        |       |     |          |        |         |

**ROD DETAILS as of 5/29/13**

| DESCRIPTION | SIZE        | WEIGHT | GRADE | LENGTH | NOTES |
|-------------|-------------|--------|-------|--------|-------|
| Rods        |             |        |       |        |       |
| Pump        | 2-1/2" x 2" |        |       | 24     |       |
|             |             |        |       |        |       |
|             |             |        |       |        |       |
|             |             |        |       |        |       |

Total: 24

| Formation  | Top  | Bottom |
|------------|------|--------|
| Yates      | 850  |        |
| 7 Rivers   | 1092 |        |
| Queen      | 1628 |        |
| Grayburg   | 2028 |        |
| San Andres | 2392 |        |
| Glorieta   | 3880 |        |

**Pit Plan – Dove State #1**

Set 500 bbl frac tank for fluids & 250 bbl half-frac gas buster pit.



**Blowout Prevention - Dove State #1 C-101 Plugback**

Townsend 3K double ram BOP. Test to 3000# before bringing to location.

| Type       | Working Pressure | Test Pressure | Manufacturer |
|------------|------------------|---------------|--------------|
| Double Ram | 3000             | 3000          | Townsend     |

## Dove State #1 - Frac Stimulation

### Procedure:

1. MI frac tanks. MIRU. Unseat pump, POOH pump & rods
2. ND WH, release TAC (if applicable), NU BOP, tag for fill with tbg, tally and scan OOH.
3. PU 4-3/4" bit & casing scraper. RU reverse unit, make bit/scraper run, clean to 2000'
4. TOOH & LD bit, scraper, production tbg, RD reverse unit
5. RU WL and set RBP @ 2000'. Test plug to 500 psi for 10 minutes.
6. Perforate 1868-81' with csg gun (4 SPF). RD WL
7. PU 5-1/2" x 2-7/8" packer and 2-7/8" work string. Set packer ~1780'.
8. MIRU frac trucks and frac per service company's recommendation.
9. Release treating packer. TIH, tag and record bottom. TOH & LD packer.
10. TIH with production tbg, TAC, and SN (set TAC above new perforations). ND BOP, NU WH. RIH with rods & pump.
11. Space out rods, check for PA, clean location, RDMO. Place well in test and record fluid levels.

**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**

CONDITIONS

Action 383577

**CONDITIONS**

|  |   |
|--|---|
| Operator:<br>ROVER OPERATING, LLC<br>2024 W. 15th St.<br>Plano, TX 75075 | OGRID:<br>371484  |
|  | Action Number:<br>383577                                  |
|  | Action Type:<br>[C-101] Drilling Non-Federal/Indian (APD) |

**CONDITIONS**

| Created By  | Condition  | Condition Date |
|-------------|--|----------------|
| ward.rikala | Notify OCD 24 hours prior to casing & cement   | 10/1/2024      |
| ward.rikala | If this well is to be downhole commingled, an approved commingling permit needs to be in hand before this occurs.  | 10/1/2024      |
| ward.rikala | Prior to setting plug above the San Andres, a cement plug will need to be placed from 3930' - 3830' to cover the Glorieta top.   | 10/1/2024      |
| ward.rikala | If the San Andres is to be permanently abandoned, then a cement plug needs to be placed from 2442' - 2342' San Andres. Additionally, another cement plug needs to be placed from 2078' - 1978' Grayburg. | 10/1/2024      |