

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

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

¹¹ Work Type PLUGBACK	¹² Well Type OIL	¹³ Cable/Rotary Rotary	¹⁴ Lease Type State	¹⁵ Ground Level Elevation 3660
¹⁶ Multiple No	¹⁷ Proposed Depth 2000	¹⁸ Formation Queen	¹⁹ Contractor	²⁰ Spud Date 6/24/2005
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.
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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	3000	3000	Townsend

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

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

WELL LOCATION INFORMATION

API Number 30-015-34157	Pool Code 30780	Pool Name HIGH LONESOME; QUEEN
Property Code 326051	Property Name Dove State	Well Number 001
OGRID No. 371484	Operator Name ROVER OPERATING, LLC	Ground Level Elevation 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 J	Section 16	Township 16S	Range 29E	Lot J	Ft. from N/S 2310' FSL	Ft. from E/W 1650' FEL	Latitude 32.920845	Longitude -104.076622	County EDDY
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Bottom Hole Location

UL J	Section 16	Township 16S	Range 29E	Lot J	Ft. from N/S 2310' FSL	Ft. from E/W 1650' FEL	Latitude 32.920845	Longitude -104.076622	County EDDY
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Dedicated Acres 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
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First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
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Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
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Unitized Area or Area of Uniform Interest	Spacing Unit Type <input type="checkbox"/> Horizontal <input checked="" type="checkbox"/> Vertical	Ground Floor Elevation:
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OPERATOR CERTIFICATIONS

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.

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.

Brooks Terrell 9/16/2024

Signature Date

Brooks Terrell

Printed Name

bterrell@roverpetro.com

Email Address

SURVEYOR CERTIFICATIONS

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.

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: Gary Eidson

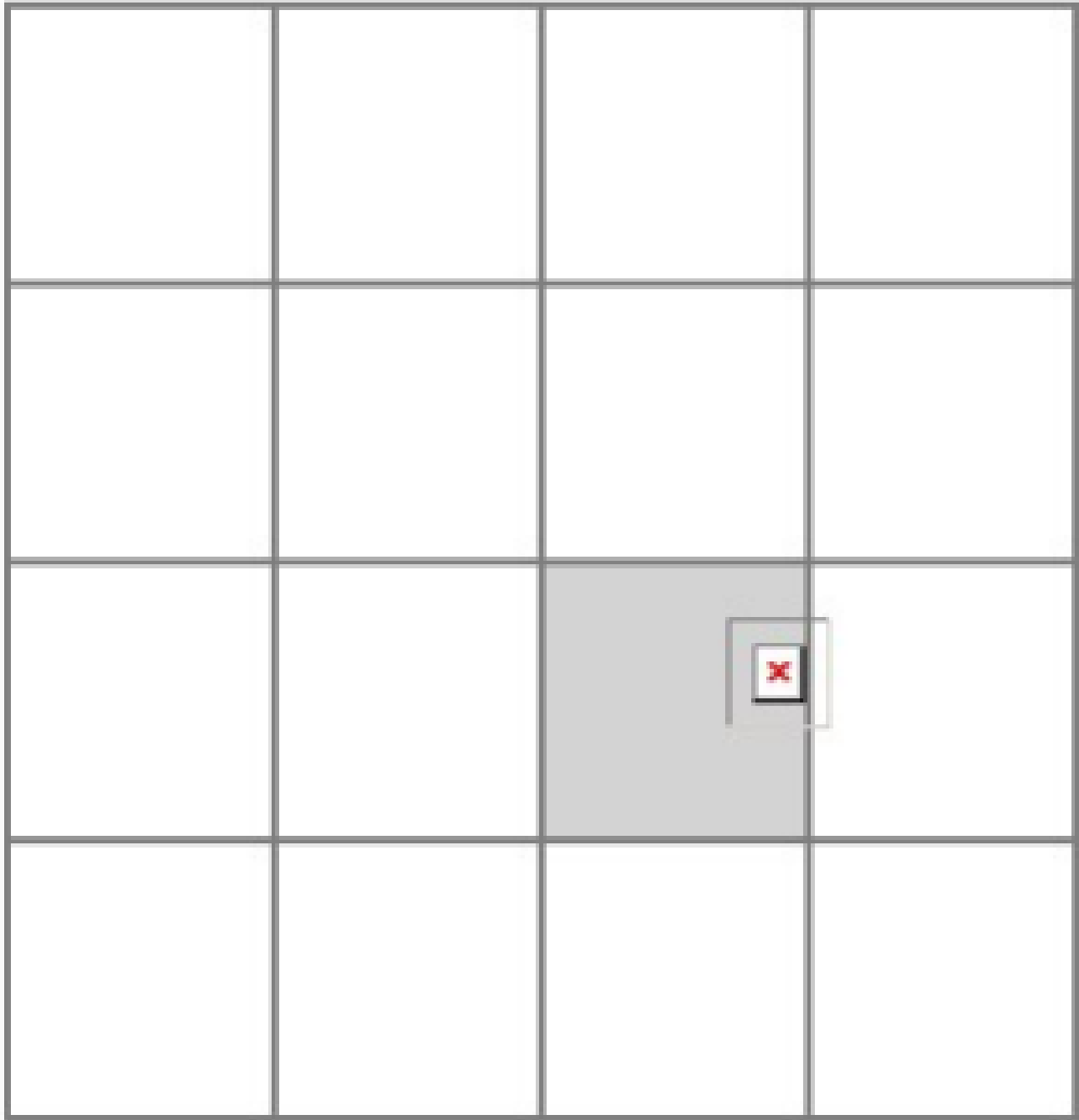
Date of Survey: 06/23/2005

Certificate Number: 12641

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.

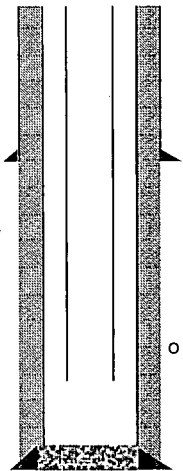
Not anticipating much gas to be produced from this zone. Will produce gas to battery and sell if quantities permit.

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	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

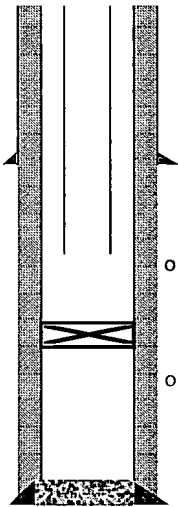
CASING DETAILS						
PURPOSE	SIZE	WEIGHT	GRADE	SET DEPTH	TOP OF CEMENT	NOTES
SURFACE	13-3/8"	41#	J-55	313	Surface	17-1/2" hole, 250 sxs cmt
INTERMEDIATE	8-5/8"	24#	J-55	910	Surface	12-1/4" hole, 466 sxs cmt
PRODUCTION	5-1/2"	15.5#	J-55	4,557	Surface	7-7/8" hole, 1455 sxs
LINER						

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	



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

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

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				3,094.00			

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	

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

Pit Plan – Dove State #1

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

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

Southeastern New Mexico Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____ 850	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____ 1092	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____ 1628	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____ 2028	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____ 2392	T. Simpson _____	T. Gallup _____	T. Ignacio Otzte _____
T. Glorieta _____ 3880	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Delaware Sand _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Bone Springs _____	T. Entrada _____	T. _____
T. Abo _____	T. _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn _____	T. _____	T. Permain _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn "A" _____	T. _____

No. 1, from to
No. 2, from to
No. 3, from to
No. 4, from to

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet.....
 No. 2, from to feet.....
 No. 3, from to feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology

From	To	Thickness in Feet	Lithology

Released to Imaging: 10/1/2024 8:36:25 AM

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: ROVER OPERATING, LLC 2024 W. 15th St. Plano, TX 75075	OGRID: 371484
	Action Number: 383577
	Action Type: [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