

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 246145

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

1. Operator Name and Address ROCKCLIFF OPERATING NEW MEXICO LLC 1301 McKinney Houston, TX 77010		2. OGRID Number 371115
4. Property Code 320512		3. API Number 30-005-29216
5. Property Name BUTTON MESA UNIT		6. Well No. 002H

7. Surface Location

UL - Lot N	Section 15	Township 08S	Range 32E	Lot Idn N	Feet From 120	N/S Line S	Feet From 2180	E/W Line W	County Chaves
---------------	---------------	-----------------	--------------	--------------	------------------	---------------	-------------------	---------------	------------------

8. Proposed Bottom Hole Location

UL - Lot D	Section 15	Township 08S	Range 32E	Lot Idn D	Feet From 330	N/S Line N	Feet From 1300	E/W Line W	County Chaves
---------------	---------------	-----------------	--------------	--------------	------------------	---------------	-------------------	---------------	------------------

9. Pool Information

CHAVEROO;SAN ANDRES	12049
---------------------	-------

Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 4386
16. Multiple N	17. Proposed Depth 9600	18. Formation San Andres	19. Contractor	20. Spud Date 1/31/2018
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	8.625	32	1750	1050	0
Prod	7.875	5.5	23	9600	1600	0

Casing/Cement Program: Additional Comments

--

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	2000	2000	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 Michal A Weesner	Approved By: Paul Kautz
Title: Operations Analyst	Title: Geologist
Email Address: mweesner@rockcliffenergy.com	Approved Date: 1/18/2018 Expiration Date: 1/18/2020
Date: 1/17/2018 Phone: 713-351-0535	Conditions of Approval Attached

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-005-		² Pool Code 12049		³ Pool Name CHAVAROO;SAN ANDRES	
⁴ Property Code 316875		⁵ Property Name BUTTON MESA UNIT			⁶ Well Number 2H
⁷ OGRID No. 371115		⁸ Operator Name ROCKCLIFF OPERATING NEW MEXICO LLC			⁹ Elevation 4386'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	15	8 SOUTH	32 EAST, N.M.P.M.		120'	SOUTH	2180'	WEST	CHAVES

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	15	8 SOUTH	32 EAST, N.M.P.M.		330'	NORTH	1300'	WEST	CHAVES

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code U	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>PROPOSED LAST TAKE POINT / BOTTOM HOLE LOCATION</p> <p>X= 704,345 NAD 27 Y= 956,030 LAT. 33.626259 LONG. 103.662034</p> <p>X= 745,522 NAD83 Y= 956,095 LAT. 33.626356 LONG. 103.662546</p>	<p>¹⁷ 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 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>1-16-2018 Signature <u>Brian Wood</u> Date Printed Name <u>brian@permitswest.com</u> E-mail Address <u>(505) 466-8120</u></p>
<p>CORNER COORDINATES TABLE (NAD 27)</p> <p>A - Y=956359.62, X=703044.88 B - Y=956359.62, X=704362.73 C - Y=951079.62, X=703044.86 D - Y=951079.62, X=704362.73</p>		<p>PROPOSED FIRST TAKE POINT</p> <p>X= 704,345 NAD 27 Y= 951,530 LAT. 33.613892 LONG. 103.662130</p> <p>X= 745,522 NAD83 Y= 951,595 LAT. 33.613990 LONG. 103.662642</p>	
<p>Buttons MESA UNIT 2H WELL</p> <p>X= 705,225 NAD 27 Y= 951,200 LAT. 33.612970 LONG. 103.659246</p> <p>X= 746,402 NAD83 Y= 951,265 LAT. 33.613068 LONG. 103.659759</p> <p>ELEVATION +4386' NAVD 88</p>			
<p>¹⁸ 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>Date of Survey <u>1-16-2018</u> Signature and Seal of Professional Surveyor: <u>Robert L. Lastrapes</u> Certificate Number <u>23006</u></p>			

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 APD Comments

Permit 246145

PERMIT COMMENTS

Operator Name and Address: ROCKCLIFF OPERATING NEW MEXICO LLC [371115] 1301 McKinney Houston, TX 77010		API Number: 30-005-29216
		Well: BUTTON MESA UNIT #002H

Created By	Comment	Comment Date
pkautz	REJECTED Well locations must be 10 feet off any government subdivision of a section.	12/22/2017
pkautz	REJECTED Well locations must be 10 feet off any government subdivision of a section.	12/22/2017
ksharp	Gas Capture Plan must be submitted to Paul Kautz for completion of approval process	1/17/2018
pkautz	GCP Received 01/18/2018	1/18/2018

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 APD Conditions

Permit 246145

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: ROCKCLIFF OPERATING NEW MEXICO LLC [371115] 1301 McKinney Houston, TX 77010	API Number: 30-005-29216
	Well: BUTTON MESA UNIT #002H

OCD Reviewer	Condition
pkautz	Will require a directional survey with the C-104
pkautz	Will require a administrative order for non-standard location prior to placing the well on production.
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	Stage Tool - 1) Must notify OCD Hobbs Office prior to running Stage Tool at 575-370-3186 2) If using Stage Tool on Surface casing, Stage Tool must be set greater than 350' from surface and a minimum of 200 feet above surface shoe. 3) When using a Stage Tool on Intermediate or Production Casing Stage must be a minimum of 50 feet below previous casing shoe.