

**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 **NM OIL CONSERVATION**

ARTESIA DISTRICT

Form C-101  
Revised July 18, 2013

## Energy Minerals and Natural Resources

FEB 8 1 2017

## Oil Conservation Division

☐ AMENDED REPORT

1220 South St. Francis Dr.

RECEIVED

Santa Fe, NM 87505

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

Operator Name and Address Rockcliff Operating New Mexico LLC 1301 McKinney, Suite 1300 Houston TX 77010 (713) 351-0500		UGRID Number 371115
Property Code 316160		API Number 30-015-22320
Property Name South Culebra Bluff Unit		Well No. 1

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
G	23	23S	28E		1980	N	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

**9. Pool Information**

Pool Name	Pool Code
SWD; Devonian	96101

**Additional Well Information**

<sup>11</sup> Work Type D	<sup>12</sup> Well Type S	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type P	<sup>15</sup> Ground Level Elevation 2995'
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth 15000'	<sup>18</sup> Formation Devonian	<sup>19</sup> Contractor to be determined	<sup>20</sup> Spud Date upon C-108 approval
Depth to Ground water 12' in C 01102		Distance from nearest fresh water well 1344' south of C 01102		Distance to nearest surface water ≈150' S of irrigation ditch

☒ 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
Surface	17.5"	13.375"	48	418'	500	GL (circ. 160 sx)
Intermed.	12.25"	9.625"	36 & 40	6355'	2705	≤40'
Production	8.75"	7"	23 & 26	11745'	1405	5500' (CBL)
Liner	6.125"	4.5"	11.6	14000'	320	11000'

**Casing/Cement Program: Additional Comments**

Will complete open (6.125") hole 14000' - 15000'

**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
annular & rams	5000 psi	5000 psi	to be determined

<sup>23</sup> 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 ☐ and/or 19.15.14.9 (B) NMAC ☐, if applicable.

Signature:

*Brian Wood*

Printed name: Brian Wood

Title: Consultant

E-mail Address: brian@permitswest.com

Date: 2-18-17

Phone: 505 466-8120

## OIL CONSERVATION DIVISION

Approved By:

*Karen Sharp*

Title:

Staff Mgr.

Approved Date: 3-14-17

Expiration Date: 3-14-19

Conditions of Approval Attached

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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

X AMENDED REPORT  
(change from  
Atoka gas well)

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 30-015-22320	2 96101	3 SWD; Devonian
4 316160	5 South Culebra Bluff Unit	6 1
7 371115	8 Rockcliff Operating New Mexico LLC	9 2995'

10 Surface Location

G	23	23 S	28 E	Lot Idn	1980	North	1650	East	Eddy County
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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
12 Dedicated Acres	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>1980'</p> <p>1650'</p>	<p><b>17 OPERATOR CERTIFICATION</b></p> <p>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.</p> <p><i>Brian Wood</i> 2-17-17</p> <p>Signature Date</p> <p>Brian Wood</p> <p>Printed Name</p> <p>brian@permitswest.com</p> <p>E-mail Address</p> <p>(505) 466-8120</p>
	<p><b>18 SURVEYOR CERTIFICATION</b></p> <p>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.</p> <p>9-26-77</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p> <p>Original survey by John West attached</p> <p>Certificate Number</p>

STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES  
OIL CONSERVATION DIVISION

PERMIT CONDITIONS OF APPROVAL

Operator Name Rockcliff Operating NM LLC  
API Number 30-015-22320  
Well Name and Number Sp. Culebra Bluff Unit #1

- ☐ Will require a Directional Survey and "As Drilled" C-102 with the C-104
- ☐ Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string.
- ☐ If cement does not circulate to surface, must run temperature survey or other log to determine top of cement.
- ☐ NSL approval required prior to sale of product
- ☐ NSP approval required for requested acreage dedication
- ☒ Initial injection cannot commence until all regulatory requirements have been met and drilling and completion data conforms to approved SWD order