

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

HOBBS OCD  
SEP 01 2016  
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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

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

|  |  |                            |
|--|--|----------------------------|
| Operator Name and Address<br>Rockcliff Operating New Mexico LLC<br>1301 McKinney, Suite 1300<br>Houston TX 77010<br>(713) 351-0500 |  | UGRID Number<br>371115     |
| Property Code<br>316772  |  | API Number<br>30-005-29214 |
| Property Name<br>McCloy State SWD STATE  |  | Well No.<br>1              |

7. Surface Location

| UL - Lot | Section | Township | Range | Lot Idn | Feet from | N/S Line | Feet From | E/W Line | County |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| N        | 15      | 8S       | 32E   |         | 220       | S        | 2080      | W        | Chaves |

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<br>SWD; Devonian-Silurian | Pool Code<br>97869 |
|-------------------------------------|--------------------|

Additional Well Information

|  |   |  |                                    |  |
|--|---|--|------------------------------------|--|
| 11. Work Type<br>N                       | 12. Well Type<br>S                          | 13. Cable/Rotary<br>R  | 14. Lease Type<br>S                | 15. Ground Level Elevation<br>4387'                            |
| 16. Multiple<br>N                        | 17. Proposed Depth<br>TD:11400' PBTD:11330' | 18. Formation<br>Montoya   | 19. Contractor<br>to be determined | 20. Spud Date<br>upon C-108 approval                           |
| Depth to Ground water<br>70' in RA 12225 |   | Distance from nearest fresh water well<br>3800' E of Sweetwater Well (not in SEO data) |                                    | Distance to nearest surface water<br>≈3/4 mile SW of sink hole |

☒ 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               | 500'          | 305               | GL            |
| Intermed.  | 12.25"    | 9.625"      | 40               | 4800'         | 1670              | GL            |
| Production | 8.75"     | 7"          | 26               | 7500'         | 1517 sx & DV tool | GL            |
| Production | 8.75"     | 7"          | 32               | 10990'        | @ 7900'           |               |

Casing/Cement Program: Additional Comments

|  |
|--|
| Will complete open (5.875") hole 10990' - 11330' |
|--|

22. Proposed Blowout Prevention Program

| Type           | Working Pressure | Test Pressure | Manufacturer     |
|----------------|------------------|---------------|------------------|
| annular & rams | 5000 psi         | 5000 psi      | 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 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: 8-28-16

Phone: 505 466-8120

OIL CONSERVATION DIVISION

Approved By: *[Signature]*

Title:

Petroleum Engineer

Approved Date: 09/01/16

Expiration Date: 09/01/18

Conditions of Approval Attached

See Attached  
Conditions of Approval