

**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 **MAR 17 2017**

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

AMENDED REPORT  
RECEIVED (convert oil well to SWD)

**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 30-015-23339
Property Name South Culebra Bluff Unit		Well No. 6

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
E	24	23S	28E		1980	N	660	W	Eddy

**\* Proposed Bottom Hole Location**

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

**\* Pool Information**

Pool Name SWD; Cherry Canyon	Pool Code 97003
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**Additional Well Information**

<sup>11</sup> Work Type P	<sup>12</sup> Well Type S	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type P	<sup>15</sup> Ground Level Elevation 2986'
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth PBD = 4730'	<sup>18</sup> Formation Cherry Canyon	<sup>19</sup> Contractor to be determined	<sup>20</sup> Spud Date upon C-108 approval
Depth to Ground water 130' in C 00500	Distance from nearest fresh water well 482' NW of C 00500		Distance to nearest surface water ≈390' N of irrigation canal	

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	0' - 485'	600	Circ 35 sx to GL
Production	9.5"	7.625"	26.4	0' - 7006'	3055	3920' per CBL
Liner	6.5"	4.5"	11.6	6801' - 9498'	450	TOL

**Casing/Cement Program: Additional Comments**

Will set CIBP @ 4750', add 20' cmt atop CIBP to 4730', and perf Cherry Canyon from 4290' to 4695'

**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
annular & rams	3000 psi	3000 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: 3-13-17

Phone: 505 466-8120

OIL CONSERVATION DIVISION

Approved By:

*Raymond M. Rodary*

Title: Geologist

Approved Date: 3-17-2017

Expiration Date: 3-17-2019

Conditions of Approval Attached

COA - C108 APPROVAL

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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

NM OIL CONSERVATION  
ARTESIA DISTRICT

MAR 17 2017

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

X AMENDED REPORT  
(change from Brushy  
Canyon oil well)

WELL LOCATION AND ACREAGE DEDICATION PLAT

1	30-015-23339	2	97003	3	SWD; Cherry Canyon
4	316160	5	South Culebra Bluff Unit	6	4
7	371115	8	Rockcliff Operating New Mexico LLC	9	2986'

10 Surface Location

E	24	23 S	28 E	Lot Idn	1980	North	660	West	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>16</p>	<p>17 OPERATOR CERTIFICATION</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>      3-13-17 Signature      Date</p> <p>Brian Wood</p> <p>Printed Name      brian@permitswest.com</p> <p>E-mail Address      (505) 466-8120</p>		
	<p>18 SURVEYOR CERTIFICATION</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>4-2-80</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>		

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION

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Form O-100  
Superseded C-128  
Effective 10-65

AT MAY 21 1980

All distances must be from the outer boundaries of the Section

Delta Drilling Co.		South Culebra Bluffs		O.C.D. ARTESIA OFFICE	6
E	24	23 South	28 East	Eddy	
1980	feet from the North	line and	660	feet from the West	line
2986.7	Bone Springs	and	South Culebra (Bone Springs)		Dedicated Acreage: 80

N.M. OIL CONSERVATION  
ARTESIA DISTRICT  
MAR 17 2017

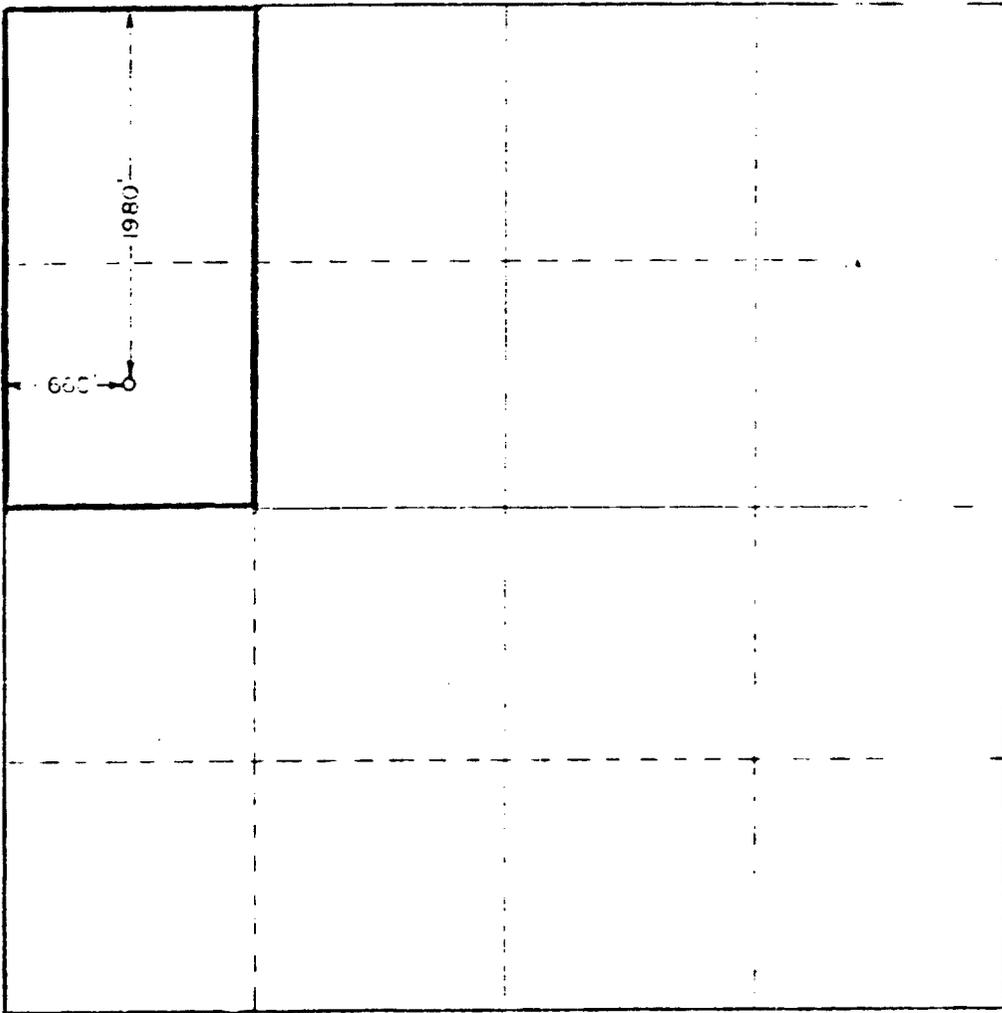
RECEIVED

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty)
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes  No If answer is "yes," type of consolidation Unitization

If answer is "no," list the owners and tract descriptions which have not already been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating all such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

*Mike Larremore*

Mike Larremore  
Field Project Manager

Delta Drilling Company

5-19-80

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 knowledge and belief.

April 2, 1980

*John W. West*

Certificate No. JOHN W. WEST 676  
PATRICK A. ROMERO 6668  
Ronald J. Eidson 3239