

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

Form C-101
Revised July 18, 2013

Energy Minerals and Natural Resources

NM OIL CONSERVATION

ARTESIA DISTRICT

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

☒ AMENDED REPORT
(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		OGRID Number 371115
Property Code 376160		API Number 30-015-22931
Property Name South Culebra Bluff Unit		Well No. 4

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
A	23	23S	28E		660	N	560	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; Cherry Canyon	97003

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
P	S	R	P	2987'
16. Multiple	17. Proposed Depth	18. Formation	19. Contractor	20. Spud Date
N	PBTD = 4690'	Cherry Canyon	to be determined	upon C-108 approval
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water
16' in C 01102		1426' E of C 01102		≈150' E 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' - 440'	550	Circ 125 sx to GL
Production	12.25"	7.625"	26.4	0' - 6180'	6200	700' per TS
Liner	6.5"	4.5"	10.5	5795' - 9800'	475	150' above TOL

Casing/Cement Program: Additional Comments

Will set CIBP @ 4725', add 35' cmt atop CIBP to 4690', and perf Cherry Canyon from 4650' to 4240'

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
annular & rams	3000 psi	3000 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:

Printed name: Brian Wood

Title: Consultant

E-mail Address: brian@permitswest.com

Date: 3-4-17

Phone: 505 466-8120

OIL CONSERVATION DIVISION

Approved By:

Title:

Approved Date: 3-6-2017

Expiration Date: 3-6-2019

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

X AMENDED REPORT
(change from Brushy
Canyon oil well)

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 30-015-22931	2 97003	3 SWD; Cherry Canyon
4 316160	5 South Culebra Bluff Unit	6 4
7 371115	8 Rockcliff Operating New Mexico LLC	9 2987'

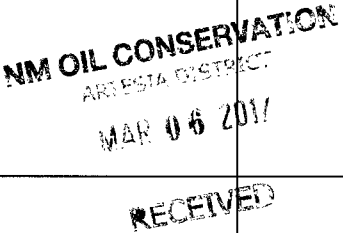
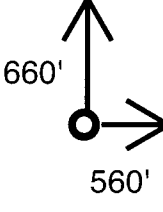
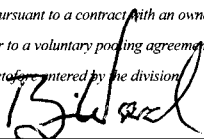
10 Surface Location

A	23	23 S	28 E	Lot 1dn	660	North	560	East	Eddy County
---	----	------	------	---------	-----	-------	-----	------	-------------

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 1dn	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.

16 		17 OPERATOR CERTIFICATION 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.
		Signature  Date 3-4-17 Printed Name Brian Wood E-mail Address brian@permitswest.com (505) 466-8120
		18 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.
		Date of Survey 5-21-79 Signature and Seal of Professional Surveyor: Original survey by John West attached Certificate Number

N MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form No. 1
Supersedes 1-128
Effective 1-1-75

All distances must be from the outer boundaries of the Section.

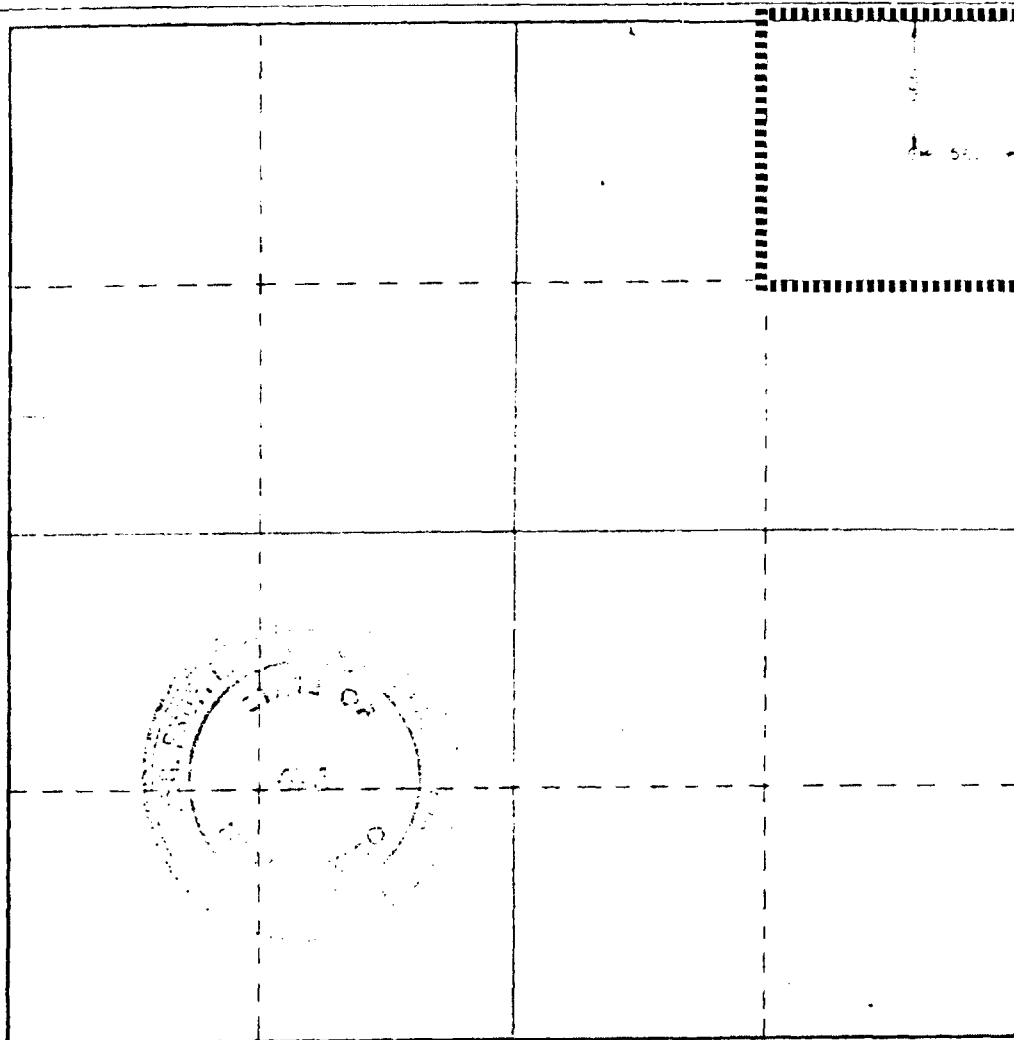
Owner Delta Drilling Co.		Section South Culebra Bluff		Area 5
Section A	Section 23	Section 24 South	Section 28 East	Section Eddy
Acreage Dedication of Acreage				
Section 600	Section North	Section 560	Section East	Section 40
Section 2907.1	Section Bone Springs	Section Wildcat	Section 40	Section 40

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. 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 actually 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, forced-pooling, or otherwise) or until a non-standard unit, eliminating 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.

Name Ron Brown

Position Field Project Mgr.

Company Delta Drilling Company

Date 5/23/79

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.

Date Surveyed May 21, 1979

Registered Professional Engineer and/or Land Surveyor

Ronald J. Eidson

Certificate No. John W. West 676
Ronald J. Eidson 3239