

**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 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**

<sup>1</sup> Operator Name and Address CML Exploration, LLC P.O. Box 890 Snyder, Texas 79550		<sup>2</sup> OGRID Number 256512
		<sup>3</sup> API Number 30-025-37381
<sup>4</sup> Property Code <del>301763</del> <b>303996</b>	<sup>5</sup> Property Name NORTH TWINBERRY 5 STATE	<sup>6</sup> Well No. 1

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
P	5	18-S	34-E		720	S	1100	E	LEA

**8. Proposed Bottom Hole Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
P	5	18-S	34-E		720	S	1100	E	LEA

**9. Pool Information**

Pool Name	Pool Code
WC-025 G-08 S183405P;WOLFCAMP	98349

**Additional Well Information**

<sup>11</sup> Work Type P	<sup>12</sup> Well Type O	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type S	<sup>15</sup> Ground Level Elevation 4059
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth 6,500	<sup>18</sup> Formation Wolfcamp	<sup>19</sup> Contractor HT WELL SERV.	<sup>20</sup> Spud Date N/A
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**

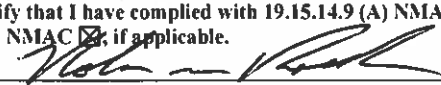

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	444	500	0
Intl	12.25	9.625	40	4813	1750	0
Prod	8.75	5.5	17	13767	1300	8400

**Casing/Cement Program: Additional Comments**

5/2" CIBP @ 13,250' + 35' cement, 5/2" CIBP @ 12,000' + 35' cement. Perforate and test (11,280 - 84') & (11,295 - 99')

**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	5000	Shaffer

<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 <input type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> , if applicable. Signature:  Printed name: Nolan Von Roeder Title: Engineer E-mail Address: vonroedern@cmlexp.com Date: 3/3/20 Phone: 325-574-6295	<b>OIL CONSERVATION DIVISION</b>	
	Approved By:  Title: Approved Date: <b>11/06/2020</b> Expiration Date: <b>11/06/2022</b> Conditions of Approval Attached	

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
**District II**  
1301 W. Grand Avenue, Artesia, NM 88210  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
**District IV**  
1220 S. St. Francis Dr., Santa Fe, NM 87505

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 July 16, 2010  
Submit one copy to appropriate  
District Office

AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number 30-025-37381	<sup>2</sup> Pool Code 98349	<sup>3</sup> Pool Name WC-025 G-08 S183405P; WOLFCAMP
<sup>4</sup> Property Code <del>34949</del> 303996	<sup>5</sup> Property Name North Twinberry 5 State	
<sup>7</sup> OGRID No. 256512	<sup>8</sup> Operator Name CML EXPLORATION, LLC	<sup>6</sup> Well Number 1  <sup>9</sup> Elevation 4059

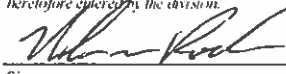
<sup>10</sup> Surface Location

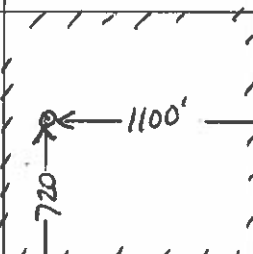
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	5	18S	34E	P	720	S	1100	E	LEA

<sup>11</sup> 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
<sup>12</sup> Dedicated Acres 40	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code		<sup>15</sup> 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><b><sup>17</sup> OPERATOR CERTIFICATION</b></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 undivided 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> 05/02/2020</p> <p>Signature Date</p> <p>Nolan Von Roeder Printed Name</p> <p>vonroeder@cmlxp.com E-mail Address</p>
										<p><b><sup>18</sup> SURVEYOR CERTIFICATION</b></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</p> <p>Signature and Seal of Professional Surveyor</p>
										<p>Certificate Number</p>



CML EXPLORATION, LLC

Updated : 2/27/2020

RKB 4078'  
GL 4059'

Lease & Well No.: N. Twinberry "5" State # 1

Well Category:  
Area: New Mexico  
Subarea: Buckeye  
Legal Description: API #30-025-37381  
P, 720' FSL, 1100' FEL, Sec 5, T-18-S, R-34-E  
Lea County, NM

Spudded: 09/27/2005  
TD: 11/29/2005  
Completed: 02/09/2006

Stimulation: 1/26/06 Lower Morrow - 2000 gals of 7%  
Claysafe H. 35,000 gals Hybor Gel  
+ 64,000 lbs 30/50 Bauxite  
1/29/06 Upper Morrow - 2500 gals of 7%  
Claysafe, 128,000 gals Slickwater  
+ 49,500 lbs 20/40 Bauxite

444'

17 1/2" hole  
13 3/8" 48# J55  
set @ 444'  
500 sx cement

4813'

12 1/4" hole  
9 5/8" 40# J-55 & N80  
set @ 4813'  
1750 sx cement  
TOC = surface

Sqz'd hole @ 5077' w/ 400 sx  
Tight spot there

5 1/2" TOC = 8,400' CBL

PRESSURE DATA

1/24/06 4 day PBU = 5681 psi Lower zone  
3/10/06 Flowing BHP = 1347 psi  
3/10/06 Production log shows 18.8% of  
gas out of upper & 81.2% out of lower zone  
10/24/08 161 Hr PBU = 3307 psi

Wolfcamp Perfs >> Proposed  
11,280 - 84' 2spf  
11,295 - 99' 2 spf

CIBP @ 12,000' + 35' Cement >> Proposed

Morrow Perfs

CIBP @ 13,250' + 35' Cement >> Proposed

13,337 - 42' 3 spf  
13,346 - 50' 3 spf  
13,354 - 59' 3 spf

13,650 - 65' 3 spf

5 1/2" 17# P110 @ 13,767'  
Cmt'd w/ 1300 sks

PBTD: 13,684'  
TD: 13,770'