

OCD-HOBBS

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No 1004-0137  
Expires: March 31, 2007

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.  
LC 59152(b)

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE – Other instructions on page 2.**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

CML EXPLORATION, LLC

3a. Address

P O BOX 890  
SNYDER, TX 79550

3b. Phone No. (include area code)

325-573-1938

7. If Unit of CA/Agreement, Name and/or No.

34942

8. Well Name and No.

PADDY 24 FEDERAL NO. 1

9. API Well No.

30-025-37378

10. Field and Pool or Exploratory Area

MALJAMAR; PADDOCK, EAST

97417

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

600' FNL & 400' FEL  
SEC 24, T17S, R32E

11. Country or Parish, State

LEA, NM

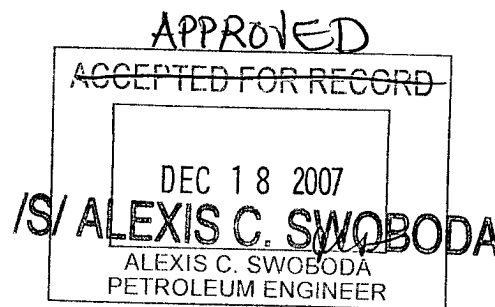
12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

ATTACHED WATER PRODUCTION & DISPOSAL INFORMATION.

SWD 834



14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)

Nolan von Roeder

Title Engineer

Signature

Date 11/28/2007

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

OC FIELD REPRESENTATIVE II/STAFF MANAGER

Title

Date

JAN 10 2008

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

GW

## WATER PRODUCTION & DISPOSAL INFORMATION

**In order to process your disposal request, the following information must be completed:**

1. Names(s) of all formation(s) producing water on the lease.

Paddock

2. Amount of water produced from all formations in barrels per day.

20

3. A Current water analysis of produced water from all zones showing at least the total dissolved solids, ph, and the concentrations of chlorides and sulfates.

4. How water is stored on the lease.

500 bbl fiberglass tank

5. How water is moved to the disposal facility.

Trucked

6. Identify the Disposal Facility by:

A. Facility Operator Name DKD, LLC

B. Name of facility of well name & number Watson 6 No. 1

C. Type of facility of well (WDW)(WIW), etc. SWD

D. Location by  $\frac{1}{4}$ ,  $\frac{1}{4}$ , Section, Township and Range N, 6, 16S, 36E

7. Attach a copy of the State issued permit for the Disposal Facility.

Submit all of the above required information to this office, 414 West Taylor, Hobbs, NM 88240, on a Sundry Notice Form 3160-5, 1 Original and 5 copies, within the required time frame. (This form may be used as an attachment to the Sundry Notice.) Call (505) 393-3612 if you need to further discuss this matter.

# Pro-Kem, Inc.

## WATER ANALYSIS REPORT

### SAMPLE

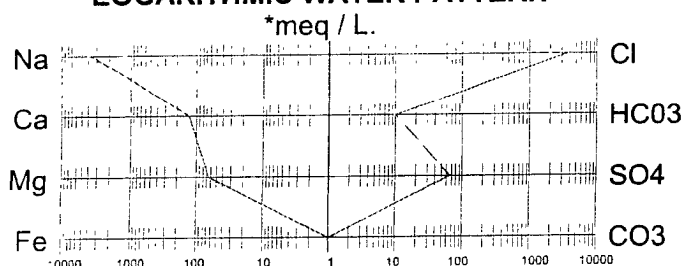
Oil Co. : **Patterson Petroleum**  
 Lease : **Pady 24 Fed.**  
 Well No.: **#1**  
 Location:  
 Attention:

Date Sampled : **14-November-2007**  
 Date Analyzed: **15-November-2007**  
 Lab ID Number: **Nov1507.003- 1**  
 Salesperson :  
 File Name : **Nov1507.003**

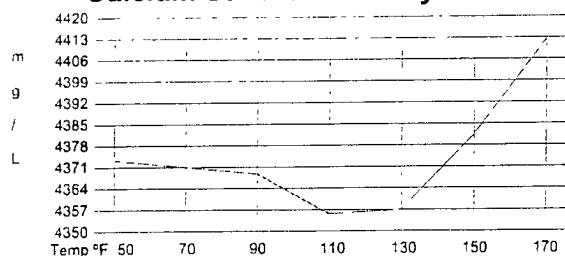
### ANALYSIS

1.	Ph		<b>6.700</b>			
2.	Specific Gravity 60/60 F.		<b>1.157</b>			
3.	CAC03 Saturation Index	@ 80F @140F	<b>0.801</b> <b>1.971</b>	<b>Moderate</b> <b>Severe</b>		
<b>Dissolved Gasses</b>			<b>MG/L.</b>	<b>EQ. WT.</b>	<b>*MEQ/L</b>	
4.	Hydrogen Sulfide		<b>0</b>			
5.	Carbon Dioxide		<b>130</b>			
6.	Dissolved Oxygen		<b>Not Determined</b>			
<b>Cations</b>						
7.	Calcium (Ca++)		<b>2,501</b>	/ 20.1 =		<b>124.43</b>
8.	Magnesium (Mg++)		<b>759</b>	/ 12.2 =		<b>62.21</b>
9.	Sodium (Na+) (Calculated)		<b>78,418</b>	/ 23.0 =		<b>3,409.48</b>
10.	Barium (Ba++)		<b>Not Determined</b>			
<b>Anions</b>						
11.	Hydroxyl (OH-)		<b>0</b>	/ 17.0 =		<b>0.00</b>
12.	Carbonate (CO3=)		<b>0</b>	/ 30.0 =		<b>0.00</b>
13.	Bicarbonate (HCO3-)		<b>592</b>	/ 61.1 =		<b>9.69</b>
14.	Sulfate (SO4=)		<b>3,050</b>	/ 48.8 =		<b>62.50</b>
15.	Chloride (Cl-)		<b>124,972</b>	/ 35.5 =		<b>3,520.34</b>
16.	Total Dissolved Solids		<b>210,292</b>			
17.	Total Iron (Fe)		<b>0.50</b>	/ 18.2 =		<b>0.03</b>
18.	Manganese (Mn++)		<b>Not Determined</b>			
19.	Total Hardness as CaCO3		<b>9,368</b>			
20.	Resistivity @ 75 F. (Calculated)			<b>0.001</b> Ohm · meters		

### LOGARITHMIC WATER PATTERN



### Calcium Sulfate Solubility Profile



### PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT.	=	mg/L.
Ca(HCO3)2	<b>9.69</b>		81.04		<b>785</b>
CaSO4	<b>62.50</b>		68.07		<b>4,254</b>
CaCl2	<b>52.24</b>		55.50		<b>2,899</b>
Mg(HCO3)2	<b>0.00</b>		73.17		<b>0</b>
MgSO4	<b>0.00</b>		60.19		<b>0</b>
MgCl2	<b>62.21</b>		47.62		<b>2,963</b>
NaHCO3	<b>0.00</b>		84.00		<b>0</b>
NaSO4	<b>0.00</b>		71.03		<b>0</b>
NaCl	<b>3,405.89</b>		58.46		<b>199,108</b>

\* milliequivalents per Liter

Kevin Byrne, Analyst