

Submit 1 Copy To Appropriate District  
Office  
District I - (575) 393-6161  
1625 N. French Dr., Hobbs, NM 88240  
District II - (575) 748-1283  
811 S. First St., Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV - (505) 476-3460  
1220 S. St. Francis Dr., Santa Fe, NM  
87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
Revised July 18, 2013

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO. 30-025-42511
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. 303997
7. Lease Name or Unit Agreement Name Paddy 13 State
8. Well Number 2
9. OGRID Number 256512
10. Pool name or Wildcat WC-025 G-03 S173318N; Yeso [97727]

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator  
CML Exploration, LLC

3. Address of Operator  
P.O. Box 890  
Snyder, TX 79549

4. Well Location  
Unit Letter O : 330 feet from the South line and 1650 feet from the East line  
Section 13 Township 17S Range 32E NMPM County Lea

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
4097' GR

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☐  
CLOSED-LOOP SYSTEM ☐  
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐  
OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Attached to this form you will find the complete P&A procedure & wellbore diagrams for the above mentioned well. This procedure details our recommended approach to squeezing the San Andres voids and channeling.

**See Attached  
Conditions of Approval**

Spud Date:

Rig Release Date:

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

SIGNATURE [Signature] TITLE ENGINEER DATE 10/10/2018

Type or print name Jordan Owens E-mail address: owensj@cmlexp.com PHONE: 325-573-0750

**For State Use Only**

APPROVED BY: [Signature] TITLE P.E.S. DATE 11/26/2018

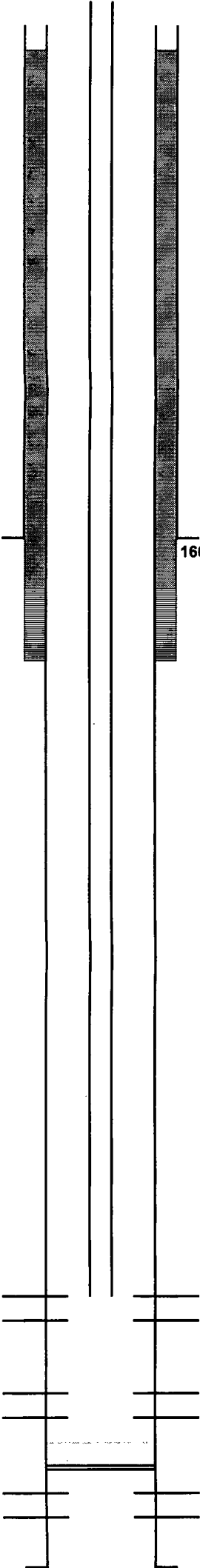
Conditions of Approval (if any):

## Paddy 13 State #2 (30-025-42511) P&A Procedure

1. POOH & LD all rods & pump. POOH with tubing, LD tubing anchor. Tally tubing. Spot & RU flowback tank.
2. Record pressure reading on 8 5/8" - 5 1/2" casing annulus. RU choke and flow down annulus to flowback tank. Monitor flow rate & pressure. Leave annulus open to tank.
3. RIH with tubing and tag PBTD @ 6,665'. LD 1 jt and circulate 9.5 #/gal mud. POOH with tubing.
4. RU wireline & set CIBP @ 5,800'. Dump bail 5 sx cement on top of plug.
5. Squeeze cement channels above San Andres voids\*
  - a. Perforate @ (4,020' - 4,022') 2 spf. Record pressure on wireline packoff.
  - b. Flow down 5 1/2" casing to tank and monitor flow. If casing will not flow down in 5 minutes, close valve. Record pressure.
  - c. RU pump truck and establish pump-in rate and pressure. RD pump truck.
  - d. RIH with wireline and set cement retainer @ 3,870'.
  - e. RIH w/ tbg & retainer stinger. Prior to opening retainer, RU cementing valve & hoses to cement pump truck.
  - f. Establish pump-in rate and pressure.
  - g. Pump 50 sx of thixotropic cement (Class C w/ 10% gypsum, 2% CaCl)
  - h. Pump 2 bbls fresh water spacer
  - i. Pump 20 bbls 10% CaCl water
  - j. Pump 2 bbls fresh water spacer
  - k. Pump 500 gals 50% sodium silicate
  - l. Pump 2 bbls fresh water spacer
  - m. Pump 50 sx of thixotropic cement (Class C w/ 10% gypsum, 2% CaCl)
  - n. Displace cement to 20' above perforations (4,000') or to 1,500 psi squeeze pressure. Sting out of retainer.
  - o. Shut well in for 48 hrs and monitor 9 5/8" - 5 1/2" annulus for pressure indicating failure to squeeze channels.
  - p. If squeeze unsuccessful, perforate and squeeze up hole using the above method with recommended volumes from cement engineers. Get OCD approval before proceeding. Continue until zonal isolation achieved
  - q. Spot 25 sx of Class C on top of cement retainer @ (3,637' - 3,920')
6. Perforate & Squeeze 40 sx of Class C (2,150' - 2,250') Base of Salt
7. Perforate & Squeeze 35 sx of Class C (1,554' - 1,654') Surface Casing Shoe
8. Perforate & Squeeze 35 sx of Class C (1,100' - 1,200') Top of Salt
9. Perforate & Squeeze 35 sx of Class C (400' - 500') Base of Fresh Water
10. Perforate & Squeeze 25 sx of Class C (0' - 60'), circulate
11. RDMOPU. Cut off well head, weld on cap and dry hole marker. Remove anchors, trash and flowline. Haul off caliche from location and road. Replace with top soil.

— STING INTO C.R,  
PRESSURE TEST  
PERF @ 4020'

\*Squeeze cement volumes and pumping procedure designed by Basic Energy Services cementing engineers as their recommendation to effectively squeeze off the channeling and voids in the San Andres.



RKB 4109'  
GL 4097'

Lease & Well No.: **Paddy 13 State # 2**  
  
Well Category:  
Area: **New Mexico**  
Subarea: **Paddock**  
Legal Description: **API # 30-025-42511**  
**330' FSL, 1650' FEL, Sec. 13, T-17-S, R-32-E**  
**Lea County, NM**  
  
Spudded: **4/29/2015**  
TD: **5/9/2015**  
Completed: **10/7/2015**

Stimulation: 6/23/15 L Blinebry - 3000 gals 15% HCL  
6/25/15 L Paddock - 2000 gals 15% HCL  
7/1/15 U Paddock - 3000 gals 15% HCL  
10/1/15 Paddock - 64k gals of 12# gel & 57.5k #  
16/30 Ottawa sand & 5k # of 16/30 resin coated

12 1/4" hole  
9 5/8" 36# J-55  
set @ 1604'  
875 sx cement  
TOC = surface'

Bradenhead Sqz'd w/ 800 sx class C neat  
5 1/2" Original TOC = 1729' CBL  
Cmt stringers (1729'-2260')

PRESSURE DATA  
None

\*\* Cement voids 4004 - 4040'  
4170 - 4320' & 4332 - 4356'

Production Tbg  
183 jts 2 3/8" 4.7# N-80 tbg  
1- 5 1/2" x 2 3/8" TAC  
2- jts 2 3/8" 4.7# N-80 tbg  
**1- 2 3/8" SN @ 5808'**  
1- 2 3/8" x 4' perf sub  
1- jt mud anchor bullplugged

Rod Detail  
86- 7/8" steel rods  
144- 3/4" steel rods  
9- 7/8" steel rods  
1- 7/8" x 2' sub w/ guides  
1- Back off tool  
1- Shear tool  
1- No tap tool  
1- 2 3/8" x 1 1/2" x 20' pump  
1- 1" x 6' sand screen w/ extension

Paddock Perfs  
(5806-14') 2 spf  
(5817-23') 2 spf  
  
(5946 - 51') 4 spf

Blinebry Perfs  
(6757 - 6892') 1 spf scattered 67 holes

**CIBP @ ± 6700'**  
**+ 35' of cement**

8-3/4" Hole  
5 1/2" 17#- N-80 @ 6995'  
Cmt'd w/ 1900 sks

PBTd: 6925'  
TD: 7000'

RKB 4109'

GL 4097'

Lease &amp; Well No.:

Paddy 13 State # 2

**Perf & Sqz 25 sx cmt  
(0'-60') PROPOSED**

Well Category:

Area:

New Mexico

Subarea:

Paddock

Legal Description:

API # 30-025-42511

**Perf & Sqz 35 sx cmt  
(400'-500') PROPOSED**

330' FSL, 1650' FEL, Sec. 13, T-17-S, R-32-E

Lea County, NM

Spudded:

4/29/2015

TD:

5/9/2015

Completed:

10/7/2015

Stimulation: 6/23/15 L Blinebry - 3000 gals 15% HCL

6/25/15 L Paddock - 2000 gals 15% HCL

7/1/15 U Paddock - 3000 gals 15% HCL

10/1/15 Paddock - 64k gals of 12# gel &amp; 57.5k #

16/30 Ottawa sand &amp; 5k # of 16/30 resin coated

**Perf & Sqz 35 sx cmt (1,100'-1,200')  
PROPOSED**

12 1/4" hole

9 5/8" 36# J-55

set @ 1604'

875 sx cement

TOC = surface'

**1604' Perf & Sqz 35 sx cmt (1,554'-1,654') PROPOSE****Perf & Sqz 40 sx cmt (2,150'-2,250') PROPOSED**

Bradenhead Sqz'd w/ 800 sx class C neat

5 1/2" Original TOC = 1729' CBL

Cmt stringers (1729'-2260')

**Spot 25 sx class C on CIRC (3637'-3870') PROPOSED****Perf & Sqz w/ CIRC @ 3920' w/ 500 gals Sodium Silicate & 100 sx Thixotropic cement**

\*\* Cement voids 4004 - 4040'

4170 - 4320' &amp; 4332 - 4356'

**Production Tbg**

183 jts 2 3/8" 4.7# N-80 tbg

1- 5 1/2" x 2 3/8" TAC

2- jts 2 3/8" 4.7# N-80 tbg

1- 2 3/8" SN @ 5808'

1- 2 3/8" x 4' perf sub

1- jt mud anchor bullplugged

**CIBP @ 5800' + 5 sx cmt PROPOSED****Paddock Perfs**

(5806-14') 2 spf

(5817-23') 2 spf

(5946 - 51') 4 spf

**CIBP @ ± 6700'+ 35' of cement****Blinebry Perfs**

(6757 - 6892') 1 spf scattered 67 holes

8-3/4" Hole

5 1/2" 17#- N-80 @ 6995'

Cmt'd w/ 1900 sks

PBTD: 6925'

TD: 7000'

## GENERAL CONDITIONS OF APPROVAL:

- 1) Insure all bradenheads have been exposed, identified, and valves are operational prior to rigging up on well.
- 2) Contact the appropriate NMOCD District Office no later than 24 hours prior to moving in and rigging up.
- 3) A copy of the approved C103 intent to P&A should be distributed to the onsite company and plugging representatives. Approved procedures are good for a period of one year from approved date, unless otherwise specified on the C103 intent. Approvals past this date will require the submission and approval of a new C103 intent.
- 4) A company representative is required to be present to witness all operations including setting CIBP's, circulation of mud laden fluids, perforating, squeezing or spotting cement plugs, tags, or any other operations approved on the C103 intent to P&A. Company representative should contact the NMOCD and report all operations.
- 5) Any changes that may be required during plugging operations should be approved by the NMOCD before proceeding.
- 6) A closed loop system is to be used for all plugging operations. Contents of the steel pits to be hauled to a NMOCD permitted disposal facility.
- 7) Mud laden fluids must be placed between all cement plugs mixed at 25 sacks of salt gel per 100 barrels of brine.
- 8) All cement plugs will be 100' or 25 sacks cement, whichever is greater. Class 'C' cement will be used above 7500' and Class 'H' below 7500'.