

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

HOBBS OCD
 NOV 21 2018
 RECEIVED

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG AND ABANDON TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-025-42511
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator CML Exploration, LLC		6. State Oil & Gas Lease No. 303997
3. Address of Operator P.O. Box 890 Snyder, TX 79549		7. Lease Name or Unit Agreement Name Paddy 13 State
4. Well Location Unit Letter <u>O</u> : <u>330</u> feet from the <u>South</u> line and <u>1650</u> feet from the <u>East</u> line Section <u>13</u> Township <u>17S</u> Range <u>32E</u> NMPM County <u>Lea</u>		8. Well Number <u>2</u> 9. OGRID Number <u>256512</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4097' GR		10. Pool name or Wildcat WC-025 G-03 S173318N; Yeso [97727]

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input checked="" type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

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  TITLE ENGINEER DATE 10/10/2018

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

For State Use Only

APPROVED BY:  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'

1604'

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

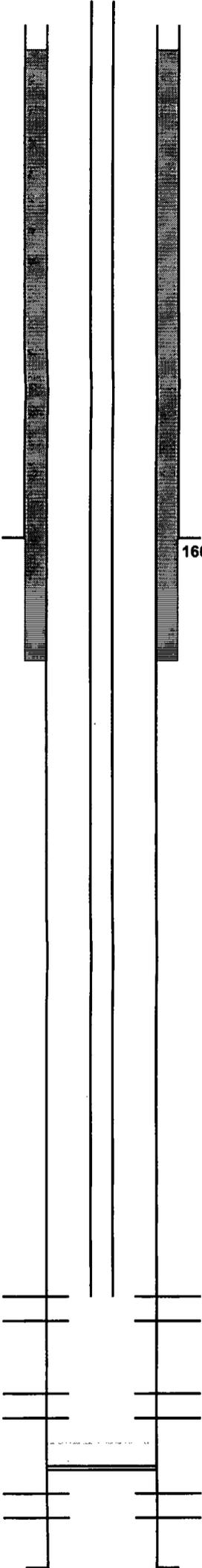
Blinebry Perfs

(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 & 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
330' FSL, 1650' FEL, Sec. 13, T-17-S, R-32-E
Lea County, NM**

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

Spudded: **4/29/2015**
TD: **5/9/2015**
Completed: **10/7/2015**

**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'

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

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 CICR (3637'-3870') PROPOSED

Perf & Sqz w/ CICR @ 3920' w/ 500 gals Sodium Silicate & 100 sx Thixotropic cement

** 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

CIBP @ 5800' + 5 sx cmt PROPOSED

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

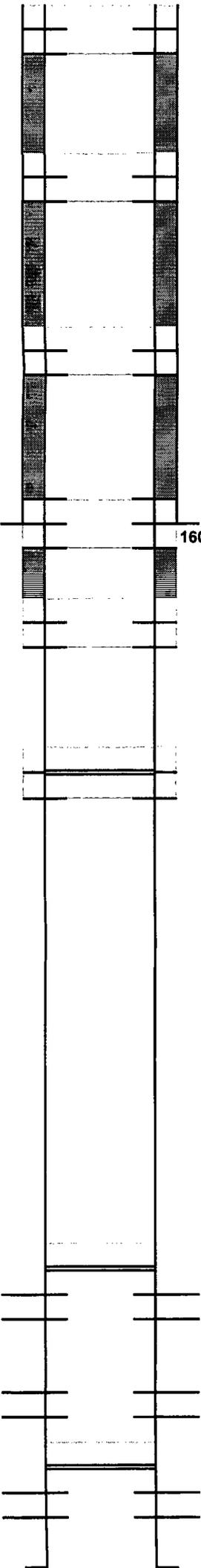
(5946 - 51') 4 spf

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'.