

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103

October 13, 2009

RECEIVED

NOV 25 2009

HOBBSOCD

CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.

30-025-39492

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

303999

7. Lease Name or Unit Agreement Name

PADDY 19 STATE

8. Well Number 5

9. OGRID Number

256512

10. Pool name or Wildcat

WILDCAT G-03 S173318N; YESO

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 79550

4. Well Location

Unit Letter L : 2310 feet from the South line and 940 feet from the West line

Section 19 Township 17S Range 33E NMPM County Lea

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

4079' 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 ☐

SUBSEQUENT REPORT OF:

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

OTHER: ☐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.

SEE ATTACHED DAILY COMPLETION REPORT

Spud Date:

08/18/09

Rig Release Date:

09/08/09

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

SIGNATURE

TITLE Area Engineer

DATE

Type or print name Nolan von Roeder

E-mail address: vonroedern@cmlexp.com

PHONE: 325-573-1938

For State Use Only

APPROVED BY:

TITLE

PETROLEUM ENGINEER

DATE

DEC 03 2009

Conditions of Approval (if any):

CML EXPLORATION, LLC
P.O. DRAWER 890
SNYDER, TX 79550
325/573-1938

PADDY 19 STATE NO. 5
Sec. 19, T-17-S, R-33-E
Lea County, New Mexico
Property Code #303999 – API #30-025-39492

DAILY COMPLETION REPORT

- 10-07-09 MIRUPU. NUBOP. Rigged up wireline truck. Ran in the hole with GR/CBL/CCL to PBTD @7040'. Logged to top of cement @3250'. Ran in the hole with 3- 3/8" perf. gun and shot lower Blinbry @(6901-6906), (6890-6895), (6873-6878), (6860-6865), (6846-6850), (6817-6830), (6800-6805) & (6784-6793) 1 spf 90° phasing. Rigged down wireline truck. Picked up packer & new 2-3/8" tubing. Ran in the hole to 6909' & SWIFN.
- 10-08-09 Rigged up acid truck & spot 200 gals 15% HCL NEFE across perfs from 6909'. Moved and set packer @6654'. Pressured up on casing to 500 psi and held. Broke formation down with 3380 psi. Treated with 2300 gals 15% HCL NEFE. Avg Pressure = 4700 psi @4.5 bpm. Had good ball action. Balled out perfs, surged balls off. Continued acid (5 bbls after ball out) & flushed. ISIP = 2980 psi, 5 min = 2598 psi, 10 min = 2554 psi, 15 min = 2523 psi. Rigged down acid pump. Flowed back to test tank. Recovered 4 bbls from flow back. Began swabbing. Swabbed 64 bbls to test tank in 11 runs. Swabbed dry. Waited 1 hr and made another run, had 1500' of entry. Oil cut 40% on the last 2 runs. Recovered 107 bbls of fluid. Load from acid job was 115 bbls. SWIFN.
- 10-09-09 SITP = 300 psi. Blew tubing down. Fluid level @4000' from the surface. On the 1st run pulled 1200', 100% oil. Made 2nd run fluid @5500', 5% oil 3rd run @6000', oil cut 20%. Recovered 14 bbls. Shut well in for the week end.
- 10/12/09 SITP = 350 psi. Fluid level @3500' from the surface on the first run. Pulled 2000' of fluid on the run, recovered 4 bbls of oil on top. 2nd run – 90% water. Pulled out of the hole & laid down tubing & packer. NDBOP. Flanged up wellhead. RDMOPU. Waiting on frac.
- 10-19-09 Rigged up Guardian stage tool casing saver. Rigged up Frac Tech equipment.

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DAILY COMPLETION REPORT

10-20-09 Frac Lower Blinbry w/ 103,000 gals 20# XL gel, 77,400 lbs 16/30 TG sand & 22,000 lbs 16/30 Super LC sand staged from 0.5 to 3 ppg. Break down 4814 psi. Treated w/Avg rate = 60 bpm, Max rate = 61 bpm, Avg psi = 4586 psi, Max psi = 5043 psi. ISIP = 3082 psi. Rigged up wireline truck & lubricator. Set 5½" flow thru frac plug @6770'. Perforated middle Blinbry (6745 – 54'), (6736 – 41'), (6717 – 28') & (6692 – 6704') 2 spf, 120 ° phasing, 74 holes. Frac stage 2 w/2500 gals 15% HCl acid, 123,000 gals 20# XL gel, 91,100 lbs 16/30 TG sand & 30,600 lbs 16/30 Super LC sand staged from 0.5 to 3 ppg. Avg rate = 66 bpm, Max rate = 67.8 bpm, Avg psi = 4665 psi, Max psi = 5143 psi. ISIP = 3152 psi. Set second frac plug @6500'. Perforated Upper Blinbry (6374 – 79'), (6341 – 46'), (6314 – 18'), (6284 – 89'), (6267 – 72') & (6253 – 58') 2 spf, 120° phasing, 58 holes. Frac Stage 3 w/2500 gals 15 % HCL acid, 108,000 gals 20 # XL gel, 61,600 lbs 16/30 TG sand & 24,000 lbs 16/30 Super LC from 0.5 to 3 ppg. Avg Rate = 66 bpm, Max Rate = 66.8 bpm, Avg psi = 4300 psi, Max psi = 4650 psi. ISIP = 3211 psi. 5 min = 2900 psi, 10 min = 2835 psi, 15 min = 2795 psi. SWIFN. Rigged down all equipment & moved to Paddy 18 St # 2.

10-21-09 SITP 1000 psi. Rigged up flow back equipment to test tank. Began flowing well on 20/64" choke. Pressure @800psi. Recovered 144 bbls of slick water in the first hour. Had a small amount of sand with bottoms up. Pressure dropped to 600 psi after first hour. Opened choke up to 24/64", pressure dropped to 400 psi. After flowing 4 hours pressure dropped to 200 psi, total fluid was 597 bbls. Opened choke up to 32/64", pressure dropped to 140 psi. Flowed 1 hr and then opened choke to 32/64", pressure dropped to 80 psi. Continued flowing. Had a trace of oil after recovering 700 bbls of slick water. Opened choke up full, pressure @50psi. Continued flowing well overnight.

10/22/09 At 8 a.m. had 0 psi on casing with a weak gas blow. Well flowed 2 bbls of fluid in the last hour, oil cut 2%. Recovered a total of 1139 bbls in 24 hrs. Load from frac job was 8900 bbls. Shut well in. Rigged down flow back equipment and Nipple down frac valve. Flanged well head up. Hooked line up from casing valve to the test tank. Left well open with weak gas blow. Wait on pulling unit for drill out.

10-26-09 MIRUPU. NUBOP. SWIFN

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DAILY COMPLETION REPORT

- 10-27-09 Picked up 4-3/4" drill bit & 6 – 3 1/2" drill collars. Picked up 2-3/8" tubing. Ran in the hole to 1st plug @6502' (tubing strap). Pumped 30 bbls fresh water & broke circulation. Circulated 10 bbls of free oil to the pit. Drilled out composite plug, did not see any sand. Circulated clean. Trip in with tubing to 6750', drilled out sand and plug @6770'. Circulated clean, ran in with tubing to 6780' and stacked out. Drilled out the remaining plug and sand. Circulated clean. Lost 120 bbls of water in formation while drilling out sand and plugs. Ran in hole with tubing to PBTD @7050' (tubing strap). Circulated well clean. Tripped out of hole with tubing, laid down drill collars and bit. SWIFN.
- 10-28-09 Ran in the hole with production tubing. NDBOP. Set TAC and flanged up well head. Picked up new pump and rods, ran in the hole and spaced out pump. Shut well in. Waiting on pumping unit.

TUBING DETAIL

- 193 – jts 2-3/8" tubing
- 1 – 2-3/8" 5 1/2' TAC
- 2 – 2-3/8" tubing
- 1 – 2-3/8" seat nipple @6205'
- 1 – 2-3/8" perf sub
- 1 – 2-3/8" tubing mud anchor with bull plug

ROD DETAIL

- 1 – 7/8" x 4' sub
- 139 – 7/8" steel rods
- 98 – 3/4" steel rods
- 9 – 7/8" steel rods
- 1 – 7/8" x 4' sub with guides
- 1 – Tap tool
- 1 – Back-off tool
- 1 – 2-3/8" x 1-1/2" x 20' pump
- 1 – Sand filter