

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.

30-025-43431

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

316818

7. Lease Name or Unit Agreement Name  
TECH 16 STATE

8. Well Number 1

9. OGRID Number 256512

10. Pool name or Wildcat

VACUUM, BLINEBRY, NORTHEAST

WC-025-003-5179318N/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 A : 330 feet from the NORTH line and 330 feet from the EAST line

Section 16 Township 17S Range 33E NMPM County LEA

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

4194' 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.

SEE ATTACHED COMPLETION REPORT

Spud Date:

10/29/2016

Rig Release Date:

11/11/2016

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

SIGNATURE Jordan Owens TITLE Engineer DATE 04/10/2017

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

For State Use Only

APPROVED BY: [Signature] TITLE Petroleum Engineer DATE 04/24/17

Conditions of Approval (if any):

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

**TECH 16 STATE NO. 1**  
Sec. 16, T-17-S, R-33-E  
Lea County, New Mexico  
Property Code #316818 – API #30-025-43431

DAILY COMPLETION REPORT

- 01/23/17 MIRUPU. Rigged up wireline truck & logged GR/CBL/CCL from PBTD to 5900'. Top of cement @90' from the surface. Perforated Blinbry with select fire guns 1 SPF 0.42" holes @6775', 6776', 6780', 6782, 6784', 6786', 6793', 6794', 6808', 6810', 6812', 6814', 6816', 6824', 6826', 6832', 6834', 6836', 6838', 6848', 6850', 6852', 6860', 6860', 6862', 6864', 6866', 6868', 6870', 6872', 6876', 6877', 6882', 6890', 6895', 6911', 6914', 6918, 6919', 6920', 6921', 6922', 6938' & 6939' (43 holes). Ran in the hole with used 2-7/8" tubing & 5-1/2" x 2-7/8" packer to 6720'. Shut well in for the night.
- 01/24/17 Continued in the hole with tubing & packer to 6956'. Rigged up acid pump truck & broke circulation with fresh water. Spotted 200 gals of 15% HCL across new perforations. Moved & set packer @6597'. Pressured up on casing to 500 psi & held during acid job. Treated well with remaining 3800' of 15% HCL NEFE & 75 ball sealers. Broke formation down @3000 psi. Established injection rate of 4.2 BPM @2650 psi. Treated 5.1 BPM @3400 psi. Had good ball action. Balled out @6200 psi. Surged off balls. Flushed with 50 bbls of fresh water. ISIP = 2750 psi, down to 2715 psi in 15 minutes. Rigged down acid pump truck & began flowing back to test tank. Load from acid job was 190 bbls. Flowed 115 bbls of water to test tank. Began swabbing. Recovered 45 bbls of fluid after 9 runs & dried well up. Total load recovered was 160 bbls. Oil cut on last run was 25%. Shut well in for the night.
- 01/25/17 SITP = 150 psi. FL = 4000' from the surface on the 1st swab run. Pulled 1200' of free oil. Pulled 600' of free oil & 600' of oil & water mix (30% oil/70% water) on the 2<sup>nd</sup> swab run. Continued swabbing. Dried well up after 4<sup>th</sup> run. Waited one hour between runs. Averaged 400' of fluid entry per hour, oil cut 40%. Recovered 28 bbls of fluid. Shut well in for the night.
- 01/25/17 SITP = 100 psi. FL = 5500' from the surface. Pulled 900' of free oil. 2<sup>nd</sup> swab run had scattered fluid, pulled 400' of oil/water mix (50% oil & 50% water). Released packer, pulled out of the hole, laid down tubing & packer. NDBOP. Flanged up wellhead. Wait on frac. RDMOPU.



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**DAILY COMPLETION REPORT**  
**FRAC JOB**

- 02/16/17 Rigged up Elite Well Services frac crew. Tested lines to 7400 psi. SICP = 170 psi. Pumped Stage 1 down 5-1/2" casing into perfs (6775' – 6939') w/323,800 gals slickwater, 129,138 lbs of 100 mesh sand staged from 0.5 to 2.0 ppg, 74,420 lbs of 40/70 white sand staged from 0.5 to 2.0 ppg & 48,132 lbs of 40/70 resin coated sand staged from 1.5 to 2.0 ppg. Avg. rate = 95 BPM and Max. rate = 101 BPM, Avg. pressure = 5316 psi & Max. pressure = 5725 psi. Flushed to bottom with slickwater. Shut down 15 mins. ISIP = 3661 psi, 15 min = 3394 psi. FG = 0.92 psi/ft. Spotted 1000 gals of 15% HCL acid & 123 bbls slickwater. Stage 1 load water = 7711 bbls. Rigged up wireline. Ran in the hole w/5-1/2" flow through composite plug & perf guns. Set composite plug @6680'. Perforated Paddock (6104 – 6324') with 3-1/8" casing gun, 53 holes. SICP = 1909 psi. Pumped 2<sup>nd</sup> Stage w/3,000 gals of 15% HCL acid followed by 806,000 gals slickwater, 366,662 lbs of 100 mesh sand staged from 0.5 to 2.0 ppg, 237,581 lbs of 40/70 white sand staged from 0.5 to 2.0 ppg & 143,968 lbs of 40/70 resin coated sand staged from 1.5 to 2.0 ppg. Avg. rate = 101 BPM & Max. rate = 104 BPM, Avg. pressure = 5839 psi & Max. pressure = 6103 psi. Flushed to bottom with slickwater. SD 15 minutes. ISIP = 4175 psi, 15 min = 3598 psi. FG = 1.10 psi/ft. Stage 2 load water = 19,190 Bbls. Total Load to recover = 26,901 bbls.
- 02/17/17 SICP = 3100 psi. Began flowing back to test tank. Flowed 1083 bbls back in 9 hrs. Left well flowing overnight on 16/64" choke @2600 psi.
- 02/18/17 Flowing casing pressure = 2100 psi on 16/64" choke. Made 1273 bbls overnight (12 hrs). At 7:30 a.m. changed choke to 20/64". Left well flowing.
- 02/19/17 7:00 a.m. Made 2648 bbls. Flowing on 20/64" choke @1050 psi. Total load recovered = 5004 bbls. Continued flowing.
- 02/20/17 Flowing casing pressure = 420 psi on 20/64" choke. Made 2355 bbls in the last 24 hrs. Total load recovered = 7359 bbls. Continued flowing.
- 02/21/17 Flowing casing pressure = 140 psi on 20/64" choke. Changed choke to 23/64" at 7:00 p.m. 02/20. Recovered 1317 bbls in the last 24 hours. Removed choke, now flowing open to frac tanks. Total load recovered = 8,676 bbls.

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DAILY COMPLETION REPORT

- 02/22/17 Well flowing to the test tank, 0 psi on casing. Made 1094 bbls in the last 24 hours. MIRUPU. Flowed to test tank 2 hours, made 23 BPH. 2<sup>nd</sup> hour made 14 bbls. ND frac valve. NUBOP. Picked up 4-3/4" bit & 6 – 3-1/2" DCs. Picked up 2-7/8" tubing from rack. Tagged up @6617', drilled through bridge. Lost returns. Regained returns after losing 20 bbls in the pit. Washed down to plug @6680'. Drilled out plug & circulated clean. Ran in the hole with bit to 7340' & tagged. Pulled up to 5800' & shut down. Left tubing open to the frac tanks.
- 02/23/17 Flowing to test tank overnight, made 485 bbls in 12 hours. Began swabbing. Recovered 480 bbls of fluid in 8 hours. Fluid level @500' from the surface. Averaged 2% oil cut. Left well open to test tank.
- 02/24/17 0 psi on tubing & casing. Ran in the hole with tubing & tagged sand @7340'. Pulled out of the hole with tubing. Laid down drill collar & bit. Rigged down & released reverse rig. Picked up production assembly. Ran in the hole with 2-7/8" tubing. NDBOP, set TAC & flanged up wellhead. Shut well in, will run rods Monday.

**TUBING DETAIL**

184 – jts 2-7/8" N80 6.50# tubing  
1 – 5-1/2" x 2-7/8" TAC (50K)  
2 – jts 2-7/8" N80 6.50# tubing  
1 – 2-7/8" seat nipple @6056'  
1 – 2-7/8" x 4' perf sub  
1 – jt 2-7/8" mud anchor w/bull plug

**End of tubing @6094'**

- 02/27/17 SITP = ±5 psi. Picked up new pump & rods. Ran in the hole & spaced out pump. Stacked out on stuffing box. Shut well in. RDMOPU. Wait on pumping unit.

**ROD DETAIL**

1 – 1" x 6' fiberglass pony rod  
79 – 1" fiberglass rods (new)  
111 – 7/8" steel rods (new)  
12 – 1-1/2" K-bars  
1 – 7/8" stabilizer sub  
1 – 26K shear tool  
1 – 2-7/8" x 1-1/2" x 24' pump  
1 – 1-1/4" x 20' gas anchor