

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

HOBBS OOD

JUN 01 2017

RECEIVED

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

WELL API NO.	30-025-43559
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	
6. State Oil & Gas Lease No.	317377
7. Lease Name or Unit Agreement Name	RAIDER 9 STATE
8. Well Number	1
9. OGRID Number	256512
10. Pool name or Wildcat	MALJAMAR; CISCO
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4194' GR	

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 K: 1890 feet from the SOUTH line and 2310 feet from the WEST line
Section 9 Township 17S Range 33E NMPM County LEA

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 DAILY COMPLETION REPORT

Spud Date:

03/02/2017

Rig Release Date:

03/23/2017

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 05/30/2017

Type or print name JORDAN OWENS E-mail address: owensj@cmlexp.com PHONE: 325-573-0750
For State Use Only

APPROVED BY: [Signature] TITLE Petroleum Engineer DATE 06/02/17
Conditions of Approval (if any):

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

RAIDER 9 STATE NO. 1

United Drilling Rig #41
Sec. 9, T-17-S, R-33-E
Lea County, New Mexico
Property Code #317377 – API #30-025-43559

DAILY COMPLETION REPORT

- 04/05/17 MIRUPU, set pipe racks, unloaded 344 jts of 2-7/8" 6.5#/ft L80 tubing & NUBOP. Ran in the hole with 4-3/4" bit, 6 – 3-1/2" drill collars & new tubing from the rack. Rigged up reverse rig & drilled out DV tool at 6482'. Circulated clean. Tested casing good to 1500 psi. Continued in the hole to 11,404'. Circulated well with 260 bbls of fresh water. Rigged down reverse rig. Pulled out of the hole with 6500' of tubing & shut well in for the night.
- 04/06/17 Pulled out of the hole with tubing, laid down drill collars & bit. Rigged up wireline truck & ran GR/CBL/CCL from PBTD @11,795' to 5,700'. Estimated top of cement at 3,100'. Perforated Lower Cisco (11,182-86'), (11,190-92'), (11,197-208), (11,212-14'), (11,217-22'), (11,225-28'), (11,230-36'), (11,239-43'), (11,246-48'), (11,252-58') & (11,262-76') w/3-1/8" casing gun 1 spf. Rigged down wireline truck. Picked up 5-1/2" 10K packer & ran in the hole with tubing to 11,286'. Rigged up acid pump. Broke circulation & spotted 200 gals of 15% HCL across perforations. Moved & set packer at 10,997'. Pressured up on casing & packer to 1000 psi. Treated with remaining 3800 gals of 15% HCL NEFE & 100 ball sealers. Formation broke down at 5140 psi. Average rate & pressure = 4.1 BPM at 5100 psi. Had good ball action, had increase to 5900 psi & broke back to 5200 psi. ISIP = 4468 psi down to 4384 psi in 15 minutes. Rigged down acid pump. Shut well in for the night. Load from acid job is 235 bbls.
- 04/07/17 SITP = 4200 psi. Flowed well down to the test tank. Flowed back 35 bbls of water. Rigged up swab & began swabbing. After recovering 130 bbls of water the well dried up. Waited one hour between run. Recovered a total of 135 bbls of water. Shut well in for the night.
- 04/08/17 SITP = 50 psi. FL = 9000' from the surface. Pulled 1200' of fluid, 400' of free oil & 800' of water. Second run pulled 800' of water. Rigged down swab & shut well in. Recovered 12 bbls water. Total water recovered from acid job = 147 bbls.
- 04/10/17 SITP = 100 psi. FL = 8400' from the surface. Pulled 1200' of fluid, 600' of free oil & 600' of water. Rigged down swab. Released packer & pulled out of the hole with tubing. Laid down packer. NDBOP & NDWH. NU 10K wellhead & 10K frac valve. Shut well in. Wait on frac.

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DAILY COMPLETION REPORT

FRAC JOB

- 04/12/17 RU Elite Well Services frac crew. Tested lines to 9200 psi. Pumped 1 Stage down 5½” casing into perfs (11,182 – 11,276’) w/ 424,000 gals Slickwater, 125,000 lbs of 100 mesh sand staged from 0.25 to 2.0 ppg, 100,000 lbs of 40/70 white sand staged from 0.25 to 1.5 ppg and 79,400 lbs of 40/70 resin coated sand staged from 1.75 to 2.0 ppg. Avg. rate = 83 BPM and Max. rate = 87 BPM, Avg. pressure = 7084 psi and Max. pressure = 7308 psi. Flushed to bottom with slickwater. SD 15 mins. ISIP = 5846 psi, 15 min = 5629 psi. FG = 0.95 psi/ft. Load water = 10,087 Bbls. SWIFN. RD all frac and water transfer equipment.
- 04/13/17 SICP = 5120 psi. Opened well on 15/64” choke. Pressure gradually dropped throughout the day with a flow rate of 100 – 120 BPH.
- 04/14/17 CP = 2900 psi on 15/64” choke. Flowed back 1912 Bbls in 20 hours. 8,175 Bbls load to recover. By 11:40 a.m. pressure had dropped to 2300 psi @ 63 BPH w/ fair amount of gas in the fluid. Opened to a 17/64” choke and pressure dropped to 150 psi in 2 hours. Rate still @ 65 BPH with 1 – 2% oil cut and heavy amount of sand in samples. Recovered 600 Bbls in 8 hrs.
- 04/15/17 CP = 0 psi on 17/64” choke. Flowed back 1057 Bbls in last 24 hours. 7,118 Bbls load to recover. Still flowing @ 13 BPH w/ a trace of oil and gas. Left well open.
- 04/16/17 CP = 0 psi on 17/64” choke. Flowed back 90 Bbls fluid in last 24 hours. 7,028 Bbls of load to recover. Flowing very little fluid. Left well open.
- 04/18/17 CP = 0 psi, flowing intermittently @ ± 4 BPH . Flowed back 656 Bbls fluid in last 48 hours. 6,372 bbls of load to recover. Oil cut was up to 10% & gassing good. Have recovered a total of 100 BO during flowback. Pumped 20 bbls brine water down the casing @700 psi. Bled off pressure& un-capped frac tree. RIH w/5½” RBP on 5 stands of tubing. Set RBP @ 330’ & released. Topped off casing with brine water. ND frac valve& tree. ND 10K wellhead & install 7-1/16” 5K tubing head. NU BOP. RIH w/tubing & unset RBP. Bleed off pressure into vacuum truck. POOH & LD RBP. RIH w/2-7/8” notched collar, seat nipple & 2-7/8” tubing to 10,943’. Kept well killed with brine water while going in the hole. Shut in tubing but left casing open to frac tank overnight.

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DAILY COMPLETION REPORT

04/19/17 SITP = 400 psi, casing flowing intermittently. Killed tubing with 20 bbls of brine. Picked up tubing & ran in the hole with notched collar to 11,506'. Did not tag any sand. Pulled out of the hole & laid down 16 jts of tubing. End of tubing @10,986'. Waited on wellhead stripper rubber. Installed stripper rubber in wellhead. NDBOP, flanged up wellhead & shut casing in. Rigged up & began swabbing tubing. Recovered 60 bbls of fluid. Had $\pm 20\%$ oil on the first few runs, 100% water at the end of the day. Fluid level @1700' from the surface. Left tubing open to the frac tanks overnight. RDMOPU. Will rig up swab unit in the morning.

TUBING DETAIL

337 – jts 2-7/8" 6.5# L80 tubing
1 – 2-7/8" seat nipple
1 – 2-7/8" notched collar @10,986'

04/20/17 TP = 30 psi, CP = 600 psi. Flowed 66 bbls overnight. Oil cut = 10%. Flowed another 9 bbls to the tank & died. Casing pressure dropped to 525 psi. Left tubing open to tanks. Casing pressure built to 650 psi by 4:00 p.m. Swab rig broke down & didn't show up.

04/21/17 TP = 0 psi (dead), CP = 750 psi. Flowed 55 bbls fluid overnight. MIRUPU. Began swabbing. Swabbed 180 bbls in 6 hours. Last fluid level @3000' from the surface, average oil cut 7%. Casing pressure dropped to 400 psi. Left tubing open to test tanks over the weekend. 6088 bbls of load water to recover.

04/24/17 SICP = 1200 psi. FL = 400' from the surface. Pulled 1200' of fluid, 100' free oil, 1,100' water. Continued swabbing. Average oil cut = 10%. Last fluid level 5000' from the surface. Recovered 240 bbls of fluid. Casing pressure dropped to 450 psi. Bled pressure off casing. Left tubing & casing open to the test tanks overnight

04/25/17 Tubing & casing dead. Pulled out of the hole with tubing. Started in the hole with production assembly. Ran 1500' of tubing & shut down due to high wind. Shut tubing in, left casing open to the frac tank.

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DAILY COMPLETION REPORT

04/26/17 Continued running in the hole with tubing. NDBOP, Set TAC & flanged up wellhead. Picked up new 1-1/4" x 30' pump. Picked up new 7/8" & 1" steel rods. Waited on fiberglass rods. Ran in the hole with new 1.25" fiberglass rods. Spaced out pump. Stacked rods out on stuffing box.

EDC : \$ 79,800
CUM: \$ 432,890

TUBING DETAIL

335 – jts 2-7/8" L80 6.50# tubing
1 – 5-1/2" x 2-7/8" TAC (50K) @10,921'
2 – jts 2-7/8" L80 6.50# tubing
1 – 2-3/8" SN w/x-overs @10,988'
1 – jt 2-7/8" L80 6.50# tubing
End of tubing @11,023'

ROD DETAIL

158 – 1.25" fiberglass rods
100 – 1" steel "D" rods\
90 – 7/8" steel "D" rods
10 – 1-1/2" K-bars
1 – 7/8" stabilizer
1 – 26K shear tool
1 – 2-3/8" x 1-1/4" x 30' pump
1 – 1" x 20' gas anchor

04/27/17 RDMOPU. Wait on pumping unit.

RAIDER 9 STATE NO. 1
Completion Report (continued)

- 05/16/17 MIRUPU. Pulled out of the hole with rods & pump. NDWH, NUBOP & pulled out of the hole with tubing. Shut well in for the night.
- 05/17/17 Rigged up wireline truck. Set 10K composite plug at 11,110'. Ran 3-1/8" perforating gun & perforated upper Cisco (10,963-69'), (10,955-61'), (10,915-28') & (10,907-11') 2 spf. Rigged down wireline truck. Ran in the hole with 5-1/2" Arrowset I 10K packer to 11,027'. Rigged up pump truck & pumped 280 bbls of fresh water down casing, did not load the hole. Set packer at 11,027'. Tested composite plug to 1000 psi, bled off to vacuum in 40 minutes. Plug appears to be leaking. Released packer, ran in & tagged bridgeplug at 11,110'. Moved & reset packer at 10,764'. Rigged up pump truck & loaded casing with 11 bbls of fresh water. Pressured up on casing & packer to 1000 psi. Packer tested good, bridgeplug is leaking. Released packer & pulled out of the hole with 40 stands of tubing. Shut well in for the night.
- 05/18/17 Continued pulling out of the hole with tubing & packer. Packer looked good. Rigged up wireline truck, ran in the hole & set 2nd bridgeplug at 11,080' & rigged down. Ran in the hole with same packer & tubing. Set packer at 11,027'. Pressured up on tubing to 1000 psi, leaked off to 400 psi in 5 minutes. Released packer & dropped a standing valve. Pressured up to 1200 psi & held (tubing good). Rigged down pump truck. Pulled out of the hole with 240 jts of tubing & shut well in for the night.
- 05/19/17 Finished pulling out of the hole with tubing & packer. Packer looked good. Ran in the hole with another packer & set at 11,027'. Rigged up pump truck & pressured up on tubing to 1000 psi, had a fast leak off. Moved & re-set at 10,994', pressured up to 1000 psi, had a slower leak off. Moved & reset at 10,975', pressured up to 1000 psi, had an even slower leak off. Moved & reset at 11,075', pressured up to 1000 psi & held. Released packer. Moved up to 10,982'. Rigged up acid pump truck. Spotted 200 gals of 15% HCL NEFE across new perforations. Moved & set packer at 10,701', pressured up on casing to 1000 psi & held. Treated well with remaining 4000 gals acid & 80 ball sealers. Formation broke at 5300 psi. Average rate & pressure = 3 BPM @5800 psi. Packer began leaking during acid job. Pressure built to 2000 psi on casing. Began bleeding pressure off casing to test tank. ISIP = 5080 psi, bled down to 1812 psi in 15 minutes. Bled tubing & casing down to test tank. Released packer. Rigged up acid pump, reverse circulated casing & tubing with 200 bbls of fresh water. Recovered 13 bbls of acid from the casing. Calculated 3600 gals of acid pumped in formation. Rigged down acid pump, re-set packer & shut well in for the night. Load to recover = 220 bbls.
- 05/20/17 SITP - 0 psi, fluid level 4000' from the surface. Continued swabbing 220 bbl load back. Swabbed 45 bbls of water back & started cutting oil. Swabbed a total of 170 bbls in 10 hrs, oil cut 40%. Had scattered fluid from surface to the seat nipple. Shut well in for 72 hour build up.

RAIDER 9 STATE NO. 1
Completion Report (continued)

- 05/21/17 SITP = 600 psi.
- 05/23/17 Rigged up slick wireline truck, ran gauges for bottom hole pressure & rigged down. Surface pressure = 900 psi, fluid level @6500' & BHP = 2486 psi.
- 05/24/17 SITP = 900 psi. Flowed tubing down to test tank. Recovered 36 bbls of fluid. Rigged up pump truck, loaded tubing with 50 bbls of fresh water & rigged down. Released packer, pulled out of the hole with tubing. Laid down packer, picked up production assembly. Ran in the hole with tubing. NDBOP, set TAC & flanged up wellhead. Shut well in for the night.
- 05/25/17 Picked up new 1-1/4" pump & ran in hole with same rods. Spaced out pump & hung back on, had good pump action. RDMOPU. Well pumped up within one hour.

TUBING DETAIL

333 – jts 2-7/8" L80 6.50# tubing
1 – 5-1/2" x 2-7/8" TAC 50 K shear
4 – jts 2-7/8" L80 6.50# tubing
1 – 2-3/8" seat nipple w/x-overs @10,988'
1 – jt 2-7/8" mud anchor
End of tubing @11,023'

ROD DETAIL

158 – 1.25' fiberglass rods
100 – 1" steel "D" rods
90 – 7/8" steel "D" rods
10 – 1-1/2" K-bars
1 – 7/8" stabilizer
1 – 26K shear tool
1 – 2-3/8" x 1-1/4" x 30' pump
1 – 1" x 20' gas anchor

- 05/26/17 Pumped 39 BO, 223 BW in 19 hours.