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District I - (575) 393-6161
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District II - (575) 748-1283
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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

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.)		WELL API NO. 30-025-41626
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. 38112
3. Address of Operator P.O. BOX 890 SNYDER, TX 79550		7. Lease Name or Unit Agreement Name ABENAKI 10 STATE
4. Well Location Unit Letter <u>P</u> : <u>730</u> feet from the <u>South</u> line and <u>680</u> feet from the <u>East</u> line Section <u>10</u> Township <u>17-S</u> Range <u>33-E</u> NMPM County <u>Lea</u>		8. Well Number 2
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4151' GR		9. OGRID Number 256512
		10. Pool name or Wildcat SANMAL; PENN

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 type="checkbox"/>	REMEDIAL WORK <input checked="" 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.

SEE ATTACHED COMPLETION REPORT

Spud Date:

03/02/2014

Rig Release Date:

04/05/2014

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

SIGNATURE Nolan von Roeder TITLE Engineer DATE 09/02/2014

Type or print name Nolan von Roeder E-mail address: vonroedern@cml-exp.com PHONE: 25/573-0750

For State Use Only

APPROVED BY: [Signature] TITLE Petroleum Engineer DATE 09/15/14
Conditions of Approval (if any):

SEP 17 2014

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

ABENAKI 10 STATE NO. 2

Sec. 10, T-17-S, R-33-E
Lea County, New Mexico
Property Code #38112 – API #30-025-41626

DAILY COMPLETION REPORT

- 04/23/14 MIRUPU. NUBOP. Set pipe racks. Shut well in for the night.
- 04/24/14 Picked up 4-3/4" bit, 6 – 3-1/2" drill collars & new 2-7/8" N80 tubing. Ran in the hole & drilled out DV tool @6405'. Circulated clean & pressure tested good to 1500 psi. Continued in the hole & tagged cement @12,288'. Shut well in for the night.
- 04/25/14 Drilled cement from 12,288' to 12,475' (plug was @12,340'), circulated clean & shut well in for the night.
- 04/26/14 Continued drilling cement from 12,475' to 12,975'. Circulated clean & shut well in for the night.
- 04/28/14 Circulated well with 320 bbls of 4% KCL water. Tripped & laid down drill collars. Shut well in for the night.
- 04/29/14 Rigged up wireline truck & ran GR/CBL/CCL. PBTD @12,964', top of cement @4,350'. Ran 3-1/8" perforating gun & perforated (12,892' – 12,900') 4 SPF. Rigged down wireline truck. Ran in the hole with Arrowset 1 10K packer & 2-7/8" tubing to 12,910'. Shut well in for the night. DV tool @6,406'.
- 04/30/14 SITP = 400 psi. SICP = 1200 psi. Bled tubing pressure down & bled casing down to the test tank. Continued flowing water & gas out of the casing. Ran in the hole with 2 joints of tubing to 12,915'. Rigged up acid pump truck & spotted 200 gallons of 10% HCL across perforations. Well continued flowing water & gas up the casing after spotting acid. Moved packer up to 12,723' & reversed 25 bbls of 4% KCL water. Set packer & NDBOP. Flanged up well. Pressured up on casing & packer to 500 psi & held during acid job. Treated well with remaining 1800 gallons of 10% HCL with claysafe additives. Dropped 50 balls evenly spaced. Treated @3.25 BPM @6200 psi, did not have any ball action. ISIP = 5600 psi, down to 5458 psi in 15 minutes. Rigged down acid pump truck. Flowed 20 bbls of water down to the test tank & began swabbing 160 bbl load back. Recovered 70 bbls of water, no gas. Last swab run fluid was @8000' from the surface. Shut well in for the night.
- 05/01/14 SITP = 50 psi, fluid level @7000' from the surface. Continue swabbing load back. Made 4 swab runs. Swabbed dry. Shut well in for the night.
- 05/02/14 SITP = 450 psi. Bled gas down to test tank. 1st fluid level @10,600' from the surface, all water. Waited 2 hours & made another run. Had 100' of fluid entry – all water. Loaded tubing with 60 bbls of 4% KCL water. NDWH, released packer & NUBOP. Tripped out of the hole with tubing.

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DAILY COMPLETION REPORT

- 05/05/14 Rigged up wireline truck. Ran in the hole with 3-1/8" perforating gun & perforated Canyon Shale (12,193' – 12,200') 4 SPF 90° phasing. Ran in the hole with CIBP, set @12,881' & dumped 35' of cement on top of plug. Rigged down wireline truck. Ran in the hole with Arrowset 1 10K packer to 11,885'. Shut well in for the night.
- 05/06/14 Continued in the hole with tubing to 12,220'. Broke circulation with 50 bbls 4% KCL water. Set packer & pressure tested plug good to 2000 psi. Released packer & spotted 200 gallons of 10% HCL acid across perforations. Moved & set packer @11,911'. Pressured up on casing & packer to 500 psi. Broke formation down @6350 psi @1 BPM. Increased rate to 3.5 BPM @6400 psi. Treated Canyon Shale with remaining 1800 gallons of 10% HCL with claysafe additives & 40 ball sealers. Average rate 3.5 BPM @6650 psi, had some ball action. Decreased rate to 3 BPM & pressure @6610 psi. ISIP = 5400 psi. Bled down to 5240 psi in 15 minutes. Flowed pressure down to the test tank & began swabbing 180 bbl load back. Recovered 60 bbls of water, no oil or gas. Fluid level @6000' from the surface. Shut well in for the night.
- 05/07/14 SITP = 350 psi, bled down to test tank. Made swab run, fluid level @4800' from the surface. Pulled 400' of free oil & 800' of water. Continue swabbing. Dry after 4 runs. Had 250' of entry in 1 hour, 5% oil cut. Recovered 30 bbls of fluid. Shut well in for the night.
- 05/08/14 SITP = 700 psi, fluid level @11,400'. Pulled 600' of fluid, 80% oil. Continue swabbing. Made 8 runs & recovered 15 bbls fluid. Had 150' entry per hour with a final oil cut of 20%. Load remaining = 75 bbls. Shut well in for the night.
- 05/09/14 SITP = 700 psi, fluid level @11,800'. Pulled 150' of fluid, 90% oil. Loaded tubing with 60 bbls of 4% KCL water. Tripped out of the hole with tubing & packer. Shut well in.
- 05/10/14 Rigged up wireline truck & perforated Canyon Shale (12,365' – 12,374') & (12,254' – 12,261'). Picked up 5-1/2" PPI tools & tripped in the hole with tubing. Rigged up wireline truck & ran in the hole with 1-11/16" GR/CCL, spotted PPI tool depth. Will isolate & acidize perforations (12,365' – 12,374') in the morning. Rigged down wireline truck & shut well in for the night.
- 05/10/14 Rigged up wireline truck & perforated Canyon Shale (12,365' – 12,374') & (12,254' – 12,261'). Picked up 5-1/2" PPI tools & tripped in the hole with tubing. Rigged up wireline truck & ran in the hole with 1-11/16" GR/CCL, spotted PPI tool depth. Will isolate & acidize perforations (12,365' – 12,374') in the morning. Rigged down wireline truck & shut well in for the night.

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DAILY COMPLETION REPORT

- 05/10/14 Rigged up wireline truck & perforated Canyon Shale (12,365' – 12,374') & (12,254' – 12,261'). Picked up 5-1/2" PPI tools & tripped in the hole with tubing. Rigged up wireline truck & ran in the hole with 1-11/16" GR/CCL, spotted PPI tool depth. Will isolate & acidize perforations (12,365' – 12,374') in the morning. Rigged down wireline truck & shut well in for the night.
- 05/13/14 Set packers at 12,352' & 12,387'. Opened by-pass. Rigged up acid pump & spotted 2000 gallons of 10% HCL w/claysafe additives. Formation broke down @5850 psi. Broke back to 5540 psi @1.7 BPM. Increased rate to 4.6 BPM @6250 psi. After pumping 750 gallons into the formation, communicated to upper perforations. Reversed acid back into tubing. Moved tools up to 12,240' & 12,275', set tools & attempted to treat (12,254' to 12,261'). Perforations are communicated to the perforations @(12,193' – 12,200'). Reversed acid back up into tubing, moved & set tools @12,186' & 12,221'. Treated with remaining 2750 gallons of acid. Treated @4.3 BPM @7000 psi. ISIP = 6000 psi, 15 min = 5603 psi. Shut well in for the night.
- 05/14/14 SITP = 5000 psi. Flowed pressure off to the test tank. Released PPI tools & began pulling out of the hole with tubing. Pulled 50K over string weight. After 8 stands worked tools free & continued out of the hole. Laid down tools. Picked up 5-1/2" x 2-7/8" Arrowset packer & tripped back in the hole with tubing. Set packer @12,106', NDBOP & flanged up wellhead. Shut well in for the night.

TUBING DETAIL

371 – jts 2-7/8" N80 tubing
1 – Arrowset 1 10K packer @12,106'

- 05/15/14 SITP = 4700 psi.
- 05/15/14 SITP = 4700 psi. Bled down to the test tank & flowed 4 bbls water and died. Began swabbing with fluid level at surface. Had 10% oil cut on 2nd run. Made 8 more runs & swabbed down to SN @12,106'. Waited 1 hour between runs for 3 more runs. Oil cut was a trace. Recovered 80 bbls load for the day. Shut well in for the night.
- 05/16/14 TP = 700 psi. 1st fluid level = 10,500'. Pulled 1400' of fluid with 70% oil cut. Shut well in to wait on frac date. RDMOPU.
- 06/16/14 Set 17 frac tanks & filled with 8300 bbls of fresh water. MIRUPU. SITP = 4200 psi. Bled gas down to test tank. Recovered 2 bbls of oil. Rigged up swab, had fluid @11,000' from the surface. Pulled 1000' of free oil. Loaded tubing with 68 bbls of 4% KCL water. NDWH, NUBOP, released packer & tripped out of the hole. Laid down packer. NDBOP, NU 5K frac valve.

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DAILY COMPLETION REPORT

06/17/14 Rigged up Oil States isolation tool. Will frac in the morning.

06/18/14 RU ProPetro frac equipment. Attempted to frac perms (12,193 – 12,374') down the 5½" casing w/1,500 gals of 15% HCL acid, 146,350 gals of slickwater, 9,500 lbs of 100 mesh sand & 48,000 lbs of 30/50 ProStar sand. SICP = 417 psi. Broke down @7 BPM & 6835 psi. Due to high treating pressures the job was reduced to 97,100 gals of slickwater & 4,000 lbs of 100 mesh sand in 4 – 0.25 ppg stages. Treated with Average rate = 22 bpm, Max rate = 44 bpm, Avg psi = 8189 psi, Max psi = 8613 psi. ISIP = 6383 psi, 5 min = 6303 psi, 15 min = 6240 psi. Displaced w/1,000 gals 15% acid & slickwater. Stage 1 load = 2372 Bbls. RU wireline. Ran in the hole & set a 5½" flow through composite @12,120'. Perforated (11,867 – 72'), (11,895 – 905') & (12,006 – 25') w/3-1/8" guns, 2 spf, 68 holes. RD WL.
Frac 2nd Stage w/ additional 2500 gals 15% HCL acid, 153,900 gals of slickwater, 15,300 lbs of 100 mesh sand & 47,380 lbs of 30/50 ProStar resin coated sand. Staged sand from 0.25 ppg to 1.25 ppg. Broke down @5 BPM and 6076 psi. Increased rate to designed 75 BPM throughout job. Average rate = 74 bpm, Max rate = 77 bpm, Avg psi = 7190 psi, Max psi = 7632 psi. ISIP = 6714 psi, 5 min = 6180 psi, 10 min = 6139 psi, 15 min = 6112 psi. 2nd Stage load = 3714 Bbls.
Total Load = 6086 Bbls. SWIFN & RD frac equipment @10:00 p.m. CST.

06/19/14 SICP = 5600 psi. Hooked up flowback manifold & lines to casing isolation tool. 9:30 a.m. opened well on a 18/64" adjustable choke flowing at a rate of 360 bbls/hr and CP = 4700 psi. Reduced to 16/64" choke & flowed at 225 bbls/hr. After 3 hours CP was down to 4200 psi. Shut well in & removed casing saver tree in 1¼ hrs. SICP = 5200 psi. Opened back up on 16/64" positive choke & continue flowing for the rest of the day. At 5:00 p.m. – CP = 3200 psi, flowing 148 bbls/hr on an 18/64" choke. Recovered 1070 bbls of load.

06/20/14 7:00 a.m. FCP = 120 psi, 18/64" choke, flowing 18 bbls/hr. Recovered 1770 bbls of load. Have a trace to 2% oil cut. Removed choke and continue flowing to the frac tanks. Flowing with 0 psi on casing, rate 10 to 13 bbls/hr. Left open to frac tanks overnight.

06/21/14 9:00 a.m. FCP = 0 psi. Recovered 152 bbls of load overnight, oil cut 3 to 5%. Rate 6 to 8 bbls/hr. Continued flowing to frac tanks

06/22/14 9:00 a.m. FCP = 0 psi. Recovered 96 bbls of load overnight, 20% oil cut at the surface. Rate 3 to 4 bbls/hr. Left open to frac tanks overnight

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DAILY COMPLETION REPORT

- 06/23/14 7:00 a.m.. Casing is dead (no flow). Recovered 20 bbls of load overnight. Total load recovered = 2038 bbls. Rigged up vacuum truck on casing valve. ND frac valve. NUBOP. Started in the hole with 4-3/4" bit & 6 -3-1/2" drill collars. Well began flowing, pumped brine water down tubing to kill well & continued in the hole to the composite plug @12,120'. Drilled composite plug & circulated clean, did not see any sand. Continued in the hole with tubing to plug back TD @12,846', circulated clean & started out of the hole with tubing. Pulled up to 9500' & shut well in for the night.
- 06/24/14 Continued out of the hole with tubing, laid down drill collars & bit. Tripped in the hole with packer & tubing. Set packer @11,708'. Began swabbing load back. Recovered 62 bbls of water. Fluid level @5000' from the surface. Shut well in for the night. Total load recovered = 2100 bbls.
- 06/25/15 7:00 a.m. SITP = 800 psi. Open up to test tank & flowed 14 bbls of oil. Initial fluid level @3000'. Began swabbing, recovered 125 bbls of fluid in 9 hrs. Fluid level remained @9000' from the surface on the last swab runs of the day. Oil cut 15% to 20% with a large amount of gas. Shut well in for the night. Total load recovered = 2225 bbls.
- 06/26/14 SITP = 800 psi. Blew well down to half pit, no fluid recovery. Swabbed first run w/fluid level @4500'. Had 1500' free oil. Made a total of 10 runs, swabbed dry after 8 runs. Waited 1 hour between the last 2 runs, oil cut was 10% . Shut well in for the weekend. Will do a dip in Monday morning to check the bottom hole pressure. Recovered 40 bbls of fluid today. Total load recovered = 2265 bbls.
- 06/30/14 SITP = 2332 psi. Rigged up Precision Pressure Data & ran gauges for bottom hole pressure. Left well shut in. Waiting on pumping unit.
- 07/08/14 Started moving in & setting a new Weatherford Maximizer 640-365-144 pumping unit & concrete base.
- 07/09/14 Finished setting unit, put in 120" stroke length.
- 07/10/14 MIRUPU. SITP = 4200 psi. Opened well up to test tank. Made 2 swab runs. Scattered fluid from 1500', 100% free oil on the 1st run. Had water on the tail of the 2nd run. Loaded tubing with 50 bbls of fresh water. NDWH, NUBOP, released packer & tripped out of the hole with tubing. Picked up production assembly & tripped in the hole. NDBOP, set TAC & NUWH. Shut well in for the night.

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DAILY COMPLETION REPORT

07/11/14 TP = 750 psi. Blew down pressure, picked up pump, ran rods & hung on. Shut down waiting on electricity.

TUBING DETAIL

340 – jts 2-7/8" N80 tubing (new)

1 – TAC

1 – 2-7/8" x 2-3/8" XO

2 – jts 2-7/8" N80 tubing (new)

1 – 2-7/8" x 2-3/8" XO

1 – seat nipple @11,152'

1 – perf sub

1 – jt 2-7/8" mud jt

ROD DETAIL

1 – 1" x 4' sub

1 – 1" x 6' sub

1 – 1" x 8' sub

104 – 1" steel HS rods (new)

148 – 7/8" steel HS rods (new)

180 – 3/4" steel HS rods (new)

9 – 1" steel HS rods (new)

1 – 7/8" x 4' sub w/guides

1 – shear tool

1 – No tap tool

1 – 2-3/8" x 1-1/2" x 24' pump

1 – 20' gas anchor

07/12/14 RDMOPU.

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DAILY COMPLETION REPORT
CISCO

- 08/18/14 MIRUPU. Pump was stuck, backed off rods at the pump. Pulled out of the hole with rods. NDWH, NUBOP, released TAC & tripped out of the hole with tubing. Shut well in for the night.
- 08/19/14 Rigged up wireline truck & set composite bridgeplug @11,780'. Ran in the hole with 3-1/8" perforating gun & perforated Cisco Lime (11,030-36') & (11,044-50') 4 SPF. Rigged down wireline truck & picked up 5 1/2" 10K packer. Tripped in hole with tubing & packer to 11,089'. Rigged up pump truck, circulated tubing & casing with 240 bbls of 4% KCL water. Set packer @11,089'. Pressure tested composite plug to 2000 psi. Released packer & shut well in for the night.
- 08/20/14 Rigged up pump truck, broke circulation. Spotted 200 gals of 15% HCL NeFe from 11,098' to 10,898'. Moved & set packer @10,780'. Pressured up on casing & packer to 500 psi & held. Treated well with remaining 2800 gals of 15% HCL NeFe w/70 bio-ball sealers. Began pumping into formation 1.5 BPM @800 psi. Started on acid & increased rate to 2.7 BPM, pressured up 6500 psi. Broke back to 1600 psi with acid on formation. Increased rate to 5.1 BPM, pressure increased from 1600 psi to 3500 psi at the end of the job. ISIP = 2600 psi, 5 min = 1000 psi, 10 min = 500 psi, 15 min = 130 psi. Began swabbing 200 bbl load back. Recovered 86 bbls of fluid, oil cut 25% with a large amount of gas. Fluid level @4500' from the surface. Shut well in for the night.
- 08/21/14 SITP = 350 psi. FL @4500', 1200' of free oil on the 1st run. Continued swabbing. Recovered 51 bbls & well began flowing. Installed adjustable choke & turned into tank battery. Flowing with choke full open, 100 psi on tubing. Made 55 bbls of oil & 25 bbls of water in 5 hours. Continue flowing overnight.
- 08/22/14 Well was dead when crew arrived on location. Made 35 bbls of oil overnight. Made a swab run, fluid level was at 3500' from the surface. Pulled 1200' of fluid, had a trace of water at the end of the run. Kicked off flowing, making a large amount of gas. Made 35 bbls of oil & 4 bbls of water in 6 hrs. Shut well in for the weekend. Will run a Static Bottom Hole Pressure Survey Monday morning.

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DAILY COMPLETION REPORT (CISCO)

- 08/25/14 SITP = 880 psi. Rigged up slick wireline truck, ran gauges for BHP & rigged down. BHP = 1734 psi. Bled gas off to the flowback tank. Killed tubing with 50 bbls of brine water. Released packer & tripped out of the hole with tubing. Laid down packer. Shut well in for the night.
- 08/26/14 Ran in the hole with production assembly, NDBOP, set TAC & flanged up wellhead. Ran in the hole with rebuilt pump & rods. Spaced out pump. Hung back on. Put well back on production.

TUBING DETAIL

335 – jts 2-7/8" N80 tubing
1 – 5-1/2" x 2-7/8" TAC @10,910'
5 – jts 2-7/8" N80 tubing
1 – 2-7/8" x 2-3/8" XO
1 – 2-3/8" seat nipple @11,072'
1 – 2-7/8" x 2-3/8" XO
1 – 2-7/8" perf sub
1 – jt 2-7/8" mud jt

ROD DETAIL

1 – 1" x 6' sub
104 – 1" steel HS rods
148 – 7/8" steel HS rods
180 – 3/4" steel HS rods
9 – 1" steel HS rods
1 – 7/8" x 4' sub w/guides
1 – Shear tool
1 – No tap tool
1 – 2-3/8" x 1-1/2" x 24' pump
1 – 20' gas anchor

08/27/14 RDMOPU.