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

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

Form C-103
Revised July 18, 2013

WELL API NO. 30-005-20041

5. Indicate Type of Lease STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

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.)

7. Lease Name or Unit Agreement Name: Cato San Andres Unit

1. Type of Well: Oil Well ☒ Gas Well ☐ Other

8. Well Number 121

2. Name of Operator: Cano Petro of New Mexico, Inc.

9. OGRID Number: 330485

3. Address of Operator: 801 Cherry Street Suite 3200 Unit 25 Fort Worth, TX 76102

10. Pool name or Wildcat: Cato; San Andres

4. Well Location
Unit Letter P 660 feet from the S line and 660 feet from the E line
Section 16 Township 08S Range 30E NMPM County Chaves

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 3650

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☒
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☐						
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 documents below.

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: Ethan Wakefield TITLE: Authorized Representative DATE 8/27/24

Type or print name: Ethan Wakefield E-mail address: e.wakefield@dwsrigs.com PHONE: 405-343-7736

For State Use Only

APPROVED BY: TITLE DATE

Conditions of Approval (if any):

Cano Petro Inc./NMOCD OWP

Plug And Abandonment End Of Well Report

Cato San Andres Unit #121

660' FSL & 660' FEL, Section 16, T8S, R30E

Chaves County, NM / API 30-005-20041

Work Summary:

2/19/21 Made NMOCD P&A operations notifications at 12:00 PM MST.

2/20/21 MOL and R/U P&A rig. Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. Leveled out location for P&A rig. P/U and M/U bit and bit sub. P/U 1 joint of tubing and tagged up at 15'. P/U drill collars and R/U power swivel to prepare to work through obstruction at 15'. Shut-in well for the day.

2/21/21 Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. P/U and M/U bit and bit sub. P/U drill collars, and R/U power swivel. TIH to 15' and started drilling. Drilled down to 20' and tagged up solid. Made another foot of progress down to 21'. At 21' returns started to look like rusty metal returns indicating compromised surface casing. Cedar fiber and rubber pieces were also found in returns. At this time circulation also started coming from Bradenhead indicating communication from production to surface casing. L/D drill collars and bit. Shut-in well for the day. Wait on orders from NMOCD.

2/22/21 Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. L/D drill collars, and R/D power swivel. P/U and M/U mule shoe sub. Attempted to get past tight spot at 21' but was unsable to get any deeper. TOOH and L/D mule shoe sub. Shut-in well for the day.

2/24/21 Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. P/U and M/U mill, and 1 drill collar. R/U power

swivel. TIH and tagged up at 21'. Milled on casing down to 26.5'. Milled 1' every hour and a half. Returns showed metal shavings indicating casing being milled on. Circulated wellbore clean. Shut-in well for the day.

2/25/21 Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. P/U and M/U mill. TIH to 26.5'. Started milling and made 1.5' of progress in 3.5 hours. POOH to check mill. Mill was worn on both sides. TIH and continued to drill, used wench to pull down and assist power swivel. Continued to make slow progress down to 31'. TOOH to inspect mill. Wear marks indicated mill was drilling on 2-3/8" tubing. Kerry Fortner requested to attempt to fish or latch onto tubing. R/D power swivel. Shut-in well for the day.

2/26/21 Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. R/D power swivel. N/D BOP. R/D P&A rig. Shut-in well for the day. Prepped rig to be moved Monday morning(3/1/21).

3/8/21 Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. MOL and R/U P&A rig. N/U BOP and function tested. P/U and M/U 10' overshot, and 1 joint of tubing. Latched onto fish top and attempted to pull fish free by pulling to 30,000 lbs. Unable to free fish. RIH inside tubing with sandline and tagged up at 230'. POOH. Attempted to back off tubing, tubing indicated it was backing off at overshot. Torqued pipe back up to the right. While torquing tubing string to the right pipe came free with full string weight. TOOH and L/D fishing tools and tubing string. TOOH with 115 joints of 2-3/8" plastic lined tubing, 2-3/8" collar cross over with left handed thread which indicated tubing came free right above packer left in the wellbore at 3,471'. P/U 4 ½" casing scraper and round tripped above top perforation at 3,383'. L/D casing scraper. Shut-in well for the day.

3/9/21 Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. P/U CR, TIH and set at 3,370'. Stung out of CR and circulated the wellbore with 40 bbls of fresh water. R/U cementing services. Pumped plug #1 from 3,370'-3,009' to cover the San Andres perforations and formation top. WOC 4 hours. TOOH with tubing. R/U wireline services. Ran CBL from 2000'-surface. CBL results were sent to NMOCD for review. TIH and tagged plug #1 top at 3,014'. Circulated wellbore with 9.5 ppg mud spacer from 3,014'-1,600'. R/U wireline services. RIH and perforated squeeze holes at 1,595'. P/U and M/U packer. TIH and set packer at 983' with EOT at 1,014'. Successfully established injection rate below packer of 1.2 bpm at 600 psi. Released packer and PUH. Set packer at 573' with an EOT depth of 604'. R/U cementing services. Established injection rate

of 1.2 bpm at 400 psi. Pumped plug #2, after pumping 90 sx of cement cement started coming out of casing. Shut-in casing. Continued pumping at 1.2 bpm at 400 psi and blew a hole in the wellhead. Displaced cement to 900'. Attempted to release packer but was unable to turn to the right. Turned to the right and unscrewed above the packer. TOOH and pulled 15,000-20,000 lbs to get tubing free. TOOH with 18 joints of tubing. 4 ½" packer and 1 joint of tail pipe was left in the wellbore. Shut-in well for the day.

3/10/21 Checked well pressures: Tubing: N/A, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH and tagged fish top at 526'. TOOH with tubing. R/U wireline services. RIH and perforated squeeze holes at 460'. R/U cementing services. Successfully circulated cement out of production casing. Shut-in casing and attempted to get circulation out of Bradenhead but never could establish circulation. Stopped pumping cement after pumping 250 sx. Reversed out with 13 bbls of fresh water. WOC 4 hours. TIH and tagged surface plug at 516'. Water was trickling out of casing. Successfully established circulation out of casing with 15 bbls of fresh water. Attempted to get circulation established out of Bradenhead but was unsuccessful. Established an injection rate of 1.2 bpm at 400 psi. Kerry Fortner approved to pump a cedar fiber plug to stop lost circulation. TOOH with tubing. Pumped 20 bbl cedar fiber plug. Shut-in well for the day.

3/11/21 Checked well pressures: Tubing: 0 psi, Casing: 400 psi, Bradenhead: 0 psi. Bled down well. Water was trickling out of production casing. Attempted to establish circulation down casing and back around and out Bradenhead at surface but was unsuccessful. Kerry Fortner requested pumping 50 sx of cement and displace to perforations at 460'. R/U cementing services. Pumped 50 sx Class C cement and displaced into perforations at 460'. Shut-in wellbore and left it under 400 psi to squeeze cement. WOC 4 hours. After 4 hours pressure on wellbore had dissipated to 250 psi and water was trickling out of wellbore. Kerry Fortner requested setting a CR around TOC in annulus and pumping 50 sx of cement below CR and then perforate at 210' and circulate cement around surface. P/U 4 ½" casing scraper and round tripped to 460'. P/U CR, TIH and set at 223'. Stung out of CR and circulated wellbore with 1 bbl of fresh water. Stung into CR and established an injection rate of 1.2 bpm at 800 psi. R/U cementing services. Squeezed 50 sx of cement below CR at 223'. Stung out of CR and TOOH with tubing. R/U wireline services. RIH and perforated squeeze holes at 210'. R/U cementing services. Successfully established circulation down 4 ½" production casing through perforations at 210' and back around and out Bradenhead valve at surface. Successfully circulated cement down 4 ½" production casing through perforations at 210' and back around and

out Bradenhead valve at surface. WOC overnight. Shut-in well for the day.

3/12/21 Checked well pressures: Tubing: N/A, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. P/U 1 joint of tubing and tagged surface plug top inside 4 ½" production casing at 10'. N/D BOP. R/D P&A rig. Used backhoe to dig out wellhead. Performed wellhead cut-off. Cement was 4' down in 8-5/8" surface casing. Installed P&A marker and plate per NMOCD standards. Photographed the P&A marker in place and recorded its location via GPS coordinates. Material Left on location: 115 joints of 2-3/8" plastic lined tubing, wellhead.

Plug Summary:

Plug #1: (San Andres Perforations and Formation Top 3,370'-3,014', 25 Sacks Class C Cement)

Mixed 25 sx Class C cement and spotted a balanced plug to cover the San Andres perforations and formation top.

Plug #2:(Yates/Rustler Formation Tops 1,595'-900', 90 Sacks Class C Cement(Squeezed 42 sx))

RIH and perforated squeeze holes at 1,595'. P/U and M/U packer. TIH and set packer at 983' with EOT at 1,014'. Successfully established injection rate below packer at 1.2 bpm at 600 psi. Released packer and PUH. Set packer at 573' with an EOT depth of 604'. R/U cementing services. Established injection rate of 1.2 bpm at 400 psi. Pumped plug #2, after pumping 90 sx of cement cement started coming out of casing. Shut-in casing. Continued pumping at 1.2 bpm at 400 psi and blew a hole in the wellhead. Displaced cement to 900'.

Plug #3: (Surface Casing Shoe 526'-Surface, 424 Sacks Class C Cement(Circulated 74 Sacks))

TIH and tagged fish top at 526'. TOOH with tubing. R/U wireline services. RIH and perforated squeeze holes at 460'. R/U cementing services. Successfully circulated cement out of production casing. Shut-in casing and attempted to get circulation out of Bradenhead but never could establish circulation. Stopped pumping cement after pumping 250 sx. Reversed out with 13 bbls of fresh water. WOC 4 hours. TIH and tagged surface plug at 516'. Water was trickling out of casing. Successfully established circulation out of casing with 15 bbls of fresh water. Attempted to get circulation established out of Bradenhead but was unsuccessful. Established an injection rate of 1.2 bpm at 400 psi. Kerry Fortner approved to pump a cedar fiber plug to

stop lost circulation. TOOH with tubing. Pumped 20 bbl cedar fiber plug. Water was trickling out of production casing. Attempted to establish circulation down casing and back around and out Bradenhead at surface but was unsuccessful. Kerry Fortner requested pumping 50 sx of cement and displace to perforations at 460'. R/U cementing services. Pumped 50 sx Class C cement and displaced into perforations at 460'. Shut-in wellbore and left it under 400 psi to squeeze cement. WOC 4 hours. After 4 hours pressure on wellbore had dissipated to 250 psi and water was trickling out of wellbore. Kerry Fortner requested setting a CR around TOC in annulus and pumping 50 sx of cement below CR and then perforate at 210' and circulate cement around surface. P/U 4 ½" casing scraper and round tripped to 460'. P/U CR, TIH and set at 223'. Stung out of CR and circulated wellbore with 1 bbl of fresh water. Stung into CR and established an injection rate of 1.2 bpm at 800 psi. R/U cementing services. Squeezed 50 sx of cement below CR at 223'. Stung out of CR and TOOH with tubing. R/U wireline services. RIH and perforated squeeze holes at 210'. R/U cementing services. Successfully established circulation down 4 ½" production casing through perforations at 210' and back around and out Bradenhead valve at surface. Successfully circulated cement down 4 ½" production casing through perforations at 210' and back around and out Bradenhead valve at surface. WOC overnight. P/U 1 joint of tubing and tagged surface plug top inside 4 ½" production casing at 10'. N/D BOP. R/D P&A rig. Used backhoe to dig out wellhead. Performed wellhead cut-off. Cement was 4' down in 8-5/8" surface casing. Installed P&A marker and plate per NMOCD standards. Photographed the P&A marker in place and recorded its location via GPS coordinates.

Wellbore Diagram

Cato San Andres Unit #121
API #: 30-005-20041
Chaves County, New Mexico

Plug 3

526 feet - Surface

526 feet plug

424 sacks of Class C Cement

74 sacks circulated

Plug 2

1595 feet - 900 feet

695 feet plug

90 sacks of Class C Cement

42 sacks squeezed

Plug 1

3370 feet - 3014 feet

356 feet plug

25 sacks of Class C Cement

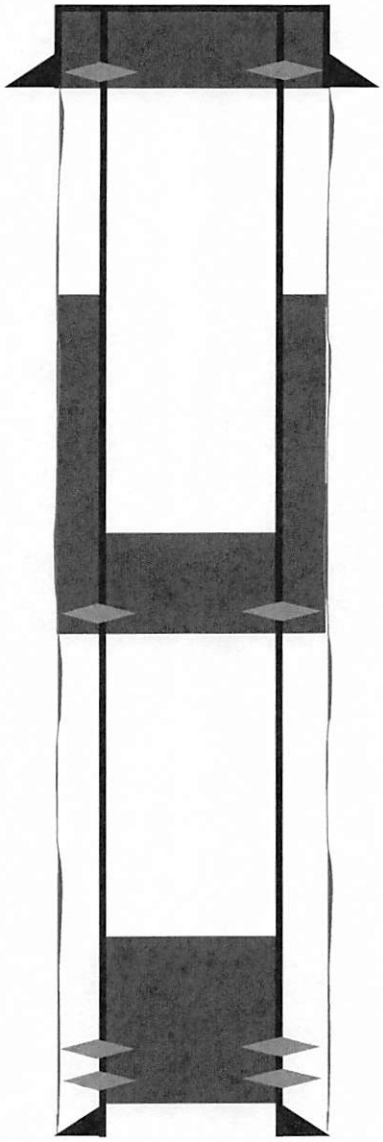
Surface Casing

8.625" 20# @ 454 ft

Formation

Rustler - 1072 ft

Yates - 1545 ft



Production Casing

4.5" 9.5# @ 3598 ft


Verizon LTE
1:49 PM
47%
0
30
60
90
120
150
180
210
240
270
300
330
N
E
S
W
267
1° N
33°36'52" N 103°52'43" W
Elida, NM
4150 ft Elevation

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State of New Mexico
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 378489

CONDITIONS

Operator: CANO PETRO OF NEW MEXICO, INC. 801 Cherry Street Fort Worth, TX 76102	OGRID: 248802
	Action Number: 378489
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
loren.diede	None	8/28/2024