

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

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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 <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		WELL API NO. 30-005-20023
2. Name of Operator Cano Petro of New Mexico, Inc.		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
3. Address of Operator 801 Cherry Street Suite 3200 Unit 25 Fort Worth, TX 76102		6. State Oil & Gas Lease No.
4. Well Location Unit Letter <u>F</u> 1980 feet from the <u>N</u> line and 1980 feet from the <u>W</u> line Section <u>16</u> Township <u>08S</u> Range <u>30E</u> NMPM County <u>Chaves</u>		7. Lease Name or Unit Agreement Name Cato San Andres Unit
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4121		8. Well Number <u>95</u>
		9. OGRID Number 248802
		10. Pool name or Wildcat Cato; San Andres

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 documentation.

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 8/22/24

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 \_\_\_\_\_

## **Cano Petro Inc./NMOCD OWP**

### **Plug And Abandonment End Of Well Report**

#### **Cato San Andres Unit #95**

1980' FNL & 1980' FWL, Section 16, T8S, R30E

Chaves County, NM / API 30-005-20023

#### **Work Summary:**

- 4/7/21** Made NMOCD P&A operations notifications at 9:00 AM MST.
- 4/8/21** MOL and R/U P&A rig. Checked well pressures: Tubing: N/A, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. P/U casing scraper. TIH to 567' where casing scraper tagged up. TOOH with casing scraper. P/U mule shoe sub. TIH and tagged up at 581'. R/U power swivel. Attempted to establish circulation with 100 bbls of fresh water but was unsuccessful. NMOCD approved pumping a cedar fiber plug to stop lost circulation. Pumped a 20 bbl cedar fiber plug to stop lost circulation. TOOH with mule shoe sub. Shut-in well for the day.
- 4/9/21** Checked well pressures: Tubing: N/A, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. P/U mule shoe sub. TIH and encountered a tag point at 567'. R/U power swivel. Circulated down wellbore to 1,380'. While circulating down wellbore circulation back to surface was intermittent. Pumped a total of 160 bbls of fresh water. TOOH and L/D mule shoe sub. Shut-in well for the day.
- 4/12/21** Checked well pressures: Tubing: N/A, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. P/U mule shoe sub. TIH to 1,380' where a tag point was encountered. P/U power swivel. Circulated down wellbore with 40 bbls of fresh water to a depth of 2,680'. Pumped an additional 40 bbls at 2,680' but could not establish circulation. Kerry Fortner approved setting a balanced plug at 2,680' to cover the San Andres perforations and formation top. R/U cementing services. Pumped plug #1 from 2,680'-1,667' to cover the San Andres

perforations and formation top. TOOH and L/D mule shoe sub. WOC overnight. Shut-in well for the day.

- 4/13/21** Checked well pressures: Tubing: N/A, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. P/U tagging sub. TIH and tagged plug #1 top at 2,448'. Kerry Fortner requested to continue spotting balanced plugs on top of plug #1 top. R/U cementing services. Re-pumped plug #1 from 2,448'-1,435' to cover the San Andres perforations and formation top. TOOH and L/D tagging sub. WOC 4 hours. P/U tagging sub. TIH and tagged plug #1 top at 2,000'. R/U cementing services. Re-pumped plug #1 from 2,000'-987' to cover the Yates and Rustler formation tops. TOOH and L/D tagging sub. WOC overnight. Shut-in well for the day.
- 4/14/21** Checked well pressures: Tubing: N/A, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. P/U tagging sub. TIH and tagged plug #1 top at 1,920'. Kerry Fortner requested to continue spotting balanced plugs on top of plug #1 top. R/U cementing services. Re-pumped plug #1 from 1,920'-907' to cover the Yates and Rustler formation tops. TOOH and L/D tagging sub. WOC 4 hours. TIH and tagged plug #1 top at 1,870'. R/U cementing services. Re-pumped plug #1 from 1,870'-857' to cover the Yates and Rustler formation tops. TOOH and L/D tagging sub. WOC overnight. Shut-in well for the day.
- 4/15/21** Checked well pressures: Tubing: N/A, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. P/U tagging sub. TIH and tagged plug #1 top at 1,800'. NMOCD requested to PUH and spot a balanced plug at 1,621'. L/D tubing to 1,621'. R/U cementing services. Pumped plug #2 from 1,621'-608' to cover the Yates and Rustler formation tops. Circulation was not established during the pumping of plug #2. TOOH and L/D tagging sub. WOC 4 hours. TIH and tagged plug #2 top at 1,580'. Kerry Fortner requested to continue to re-pump plug #2. R/U cementing services. Re-pumped plug #2 from 1,580'-567' to cover the Yates and Rustler formation tops. Circulation was not established during the pumping of plug #2. TOOH and L/D tagging sub. WOC overnight. Shut-in well for the day.
- 4/16/21** Checked well pressures: Tubing: N/A, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. P/U tagging sub. TIH and tagged plug #2 top at 1,462'. NMOCD requested to PUH and spot a balanced plug at 1,083'. L/D tubing to EOT depth of 1,083'. R/U cementing services. Pumped plug #3 from 1,083'-70' to cover the Rustler formation top. TOOH and L/D tagging sub. WOC 4 hours. P/U tagging sub. TIH and attempted to tag plug #3 top but never tagged up. Kerry Fortner requested to re-pump plug #3. R/U cementing services. Re-pumped plug #3 from 1,083'-70' to cover the Rustler formation top. During

the pumping of plug #3 circulation was never established. TOOH and L/D tagging sub. WOC overnight. Shut-in well for the day.

**4/19/21** Checked well pressures: Tubing: N/A, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. P/U tagging sub. TIH and tagged plug #3 top at 603'. Attempted to load tubing and establish circulation with 50 bbls of fresh water but was unsuccessful. R/U cementing services. Hooked pump up to Bradenhead and pumped 20 bbls of fresh water to establish circulation but was unsuccessful. Kerry Fortner requested pumping casing capacity of 4 ½" production casing which was 42 sx of cement. R/U cementing services. Pumped surface plug from 603'-surface to cover the surface casing shoe but never circulated cement back to surface. TOOH and L/D tagging sub. WOC overnight. Shut-in well for the day.

**4/20/21** Checked well pressures: Tubing: N/A, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. P/U tagging sub. TIH and tagged surface plug at 571'. Successfully established circulation down tubing and back to surface in production casing with 10 bbls of fresh water. Shut-in casing and established circulation down tubing around backside of casing and back around and out Bradenhead valve at surface with 10 bbls of fresh water. Kerry Fortner approved circulating cement around at surface without perforating. R/U cementing services. Successfully circulated cement down tubing and back to surface in production casing. Once Bradenhead valve was opened circulation was slowly lost and 188 sx of cement was pumped without circulation back to Bradenhead. Production casing was opened back up and was on a vacuum. TOOH and L/D tagging sub. WOC 6 hours. P/U tagging sub. TIH and tagged surface plug at 316'. Loaded production casing and successfully pressure tested production casing to 800 psi. TOOH and L/D tagging sub. Kerry Fortner requested to perforate and establish circulation out of Bradenhead. Shut-in well for the day.

**4/21/21** Checked well pressures: Tubing: N/A, Casing: 0 psi, Bradenhead: 0 psi. R/U wireline services. RIH and perforated squeeze holes at 316'. R/U cementing services. Successfully established circulation down 4 ½" production casing through perforations at 316' and back around and out Bradenhead valve at surface. Successfully circulated cement down 4 ½" production casing through perforations at 316' and back around and out Bradenhead valve at surface. N/D BOP. Dug-out wellhead with backhoe. Performed wellhead cut-off. Cement was 1' down in both strings of casing. Installed P&A marker and plate per NMOC regulations. Photographed the P&A marker in place and recorded its location via GPS coordinates. Backfilled P&A marker. R/D and MOL.

**Plug Summary:****Plug #1:(San Andres Perforations and Formation Top 2,680'-1,800', 350 Sacks Class C Cement(Re-pumped 280 sx))**

Mixed 350 sx Class C cement and spotted a balanced plug to cover the San Andres perforations and formation top. Plug #1 was re-pumped 4 times based on cement falling out into formation.

**Plug #2:(Yates Formation Top 1,621'-1,462', 140 Sacks Class C Cement(Re-pumped 70 sx))**

Mixed 140 sx Class C cement and spotted a balanced plug to cover the Yates formation top. Plug #2 was re-pumped once based on cement falling out into formation.

**Plug #3: (Rustler Formation Top and Surface Casing Shoe 1,083'-Surface, 467 Sacks Class C Cement)**

NMOCD requested to PUH and spot a balanced plug at 1,083'. L/D tubing to EOT depth of 1,083'. R/U cementing services. Pumped plug #3 from 1,083'-70' to cover the Rustler formation top. TOOH and L/D tagging sub. WOC 4 hours. P/U tagging sub. TIH and attempted to tag plug #3 top but never tagged up. Kerry Fortner requested to re-pump plug #3. R/U cementing services. Re-pumped plug #3 from 1,083'-70' to cover the Rustler formation top. During the pumping of plug #3 circulation was never established. TOOH and L/D tagging sub. WOC overnight. P/U tagging sub. TIH and tagged plug #3 top at 603'. Attempted to load tubing and establish circulation with 50 bbls of fresh water but was unsuccessful. R/U cementing services. Hooked pump up to Bradenhead and pumped 20 bbls of fresh water to establish circulation but was unsuccessful. Kerry Fortner requested pumping casing capacity of 4 ½" production casing which was 42 sx of cement. R/U cementing services. Pumped surface plug from 603'-surface to cover the surface casing shoe but never circulated cement back to surface. TOOH and L/D tagging sub. WOC overnight. P/U tagging sub. TIH and tagged surface plug at 571'. Successfully established circulation down tubing and back to surface in production casing with 10 bbls of fresh water. Shut-in casing and established circulation down tubing around backside of casing and back around and out Bradenhead valve at surface with 10 bbls of fresh water. Kerry Fortner approved circulating cement around at surface without perforating. R/U cementing services. Successfully circulated cement down tubing and back to surface in production



casing. Once Bradenhead valve was opened circulation was slowly lost and 188 sx of cement was pumped without circulation back to Bradenhead. Production casing was opened back up and was on a vacuum. TOOH and L/D tagging sub. WOC 6 hours. P/U tagging sub. TIH and tagged surface plug at 316'. Loaded production casing and successfully pressure tested production casing to 800 psi. TOOH and L/D tagging sub. Kerry Fortner requested to perforate and establish circulation out of Bradenhead. RIH and perforated squeeze holes at 316'. R/U cementing services. Successfully established circulation down 4 ½" production casing through perforations at 316' and back around and out Bradenhead valve at surface. Successfully circulated cement down 4 ½" production casing through perforations at 316' and back around and out Bradenhead valve at surface. N/D BOP. Dug-out wellhead with backhoe. Performed wellhead cut-off. Cement was 1' down in both strings of casing. Installed P&A marker and plate per NMOCD regulations. Photographed the P&A marker in place and recorded its location via GPS coordinates. Backfilled P&A marker. R/D and MOL.

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## Wellbore Diagram

Cato San Andres Unit #095

API #: 30-005-20023

Chaves County, New Mexico

### Plug 3

1083 feet - Surface  
1083 feet plug  
467 sacks of Class C Cement

### Plug 2

1621 feet - 1462 feet  
159 feet plug  
140 sacks of Class C Cement  
70 sacks re-pumped

### Plug 1

2680 feet - 1800 feet  
880 feet plug  
350 sacks of Class C Cement  
280 sacks re-pumped

### Surface Casing

8.625" 20# @ 455 ft

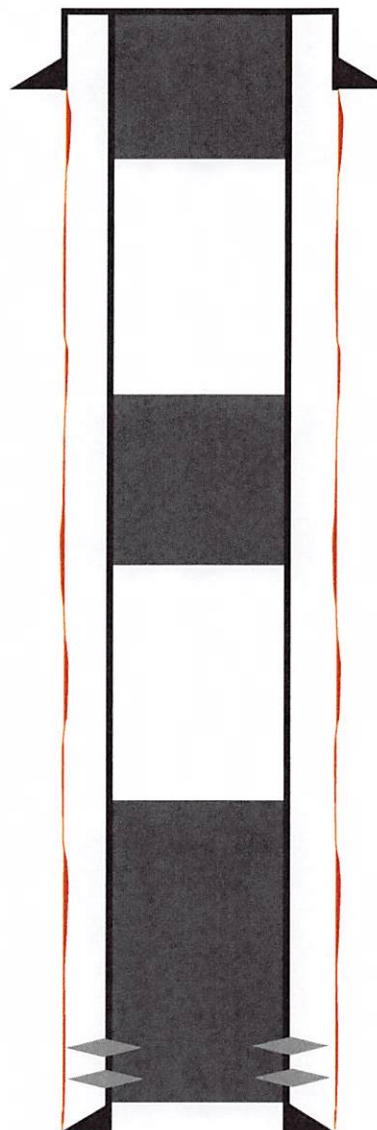
### Formation

Rustler - 1072 ft

Yates - 1545 ft

### Production Casing

4.5" 9.5# @ 3506 ft















60° NE

33°48'41" N 103°51'23" W

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State of New Mexico  
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CONDITIONS  
  
Action 401364

CONDITIONS

Operator: CANO PETRO OF NEW MEXICO, INC. 801 Cherry Street Fort Worth, TX 76102	OGRID: 248802
	Action Number: 401364
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
loren.diede	None	11/12/2024