

Submit 1 Copy To Appropriate District Office

District I - (575) 393-6161

1625 N. French Dr., Hobbs, NM 88240

District II - (575) 748-1283

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1220 S. St. Francis Dr., Santa Fe, NM

87505

State of New Mexico  
Energy, Minerals and Natural ResourcesOIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-103

Revised July 18, 2013

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. 30-005-20028
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 Cano Petro of New Mexico, Inc.		6. State Oil & Gas Lease No.
3. Address of Operator 801 Cherry Street Suite 3200 Unit 25 Fort Worth, TX 76102		7. Lease Name or Unit Agreement Name Cato San Andres Unit
4. Well Location Unit Letter <u>M</u> <u>660</u> feet from the <u>S</u> line and <u>660</u> feet from the <u>W</u> line Section <u>9</u> Township <u>08S</u> Range <u>30E</u> NMPM County Chaves		8. Well Number <u>64</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) N/A		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.

Please see attached report.

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 WakefieldTITLE: Authorized RepresentativeDATE 9/12/24Type or print name: Ethan WakefieldE-mail address: e.wakefield@dwsrigs.comPHONE: 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 #64**

660' FSL & 660' FWL, Section 9, T8S, R30E

Chaves County, NM / API 30-005-20028

#### **Work Summary:**

- 10/25/21** Made NMOCD P&A operations notifications at 9:00 AM MST.
- 10/26/21** MOL and R/U P&A rig. Prepped location with backhoe. Checked well pressures: Tubing: 0 psi, Casing: 300 psi, Bradenhead: 80 psi. Bled down well. Removed horse's head in preparation to pull rods. L/D polish rod, 6'-7/8" pony rod, 28- 7/8" sucker rods, 110- 3/4" sucker rods and sucker rod pump. N/D wellhead, N/U BOP and function tested. Shut-in well for the day.
- 10/27/21** Checked well pressures: Tubing: 0 psi, Casing: 300 psi, Bradenhead: 80 psi. Bled down well. L/D 103 joints of 2-3/8" tubing, seating nipple, 4' perforated sub, 1 joint of tubing with bull plug. P/U 4 1/2" casing scraper and work string and tallied in the wellbore to a depth of 3,201'. TOOH with casing scraper. While TOOH driveline on P&A rig broke. Shut down and repaired driveline. Shut-in well for the day.
- 10/28/21** Checked well pressures: Tubing: 0 psi, Casing: 300 psi, Bradenhead: 40 psi. Bled down well. TOOH with casing scraper. P/U CR, TIH and set at 3,126'. Stung out of CR and circulated wellbore with 52 bbls of fresh water. R/U cementing services. Pressure tested 4 1/2" production casing to 500 psi in which it successfully held pressure. Pumped plug #1 from 3,126'-2,806' to cover the San Andres perforations and formation top. TOOH with tubing. R/U wireline services. RIH to run CBL but computer on logging truck broke down. WOC overnight. Shut-in well for the day.

- 10/29/21** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. R/U wireline services. RIH and ran CBL from 2,729' to surface. CBL results were sent to NMOCD office for review. TIH with tubing to 2,806'. Spotted 9.5 ppg mud spacer from 2,806'-1,595'. L/D 70 joints of tubing. TOOH with remaining tubing. R/U wireline services. RIH and perforated squeeze holes at 1,595'. Successfully established injection rate of 1.3 bpm at 380 psi into perforations at 1,595'. TIH with packer and set with an EOT depth of 872'. R/U cementing services. Pumped plug #2 from 1,595'-872' to cover the Yates and Rustler formation tops. TOOH with remaining tubing. WOC over the weekend. Shut-in well for the day.
- 11/1/21** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 20 psi. Bled down well. TIH and tagged plug #2 top at 1,131'. Circulated wellbore clean with fresh water. R/U cementing services. Re-pumped plug #2 from 1,131'-732' to cover the Yates and Rustler formation tops. WOC 4 hours. Loaded Bradenhead with 13.5 bbls of fresh water and attempted to pressure test but it failed to hold pressure. TIH and tagged plug #2 top at 751'. Spotted 9.5 ppg mud spacer from 751'-587'. TOOH with work string. Shut-in well for the day.
- 11/2/21** Checked well pressures: Tubing: N/A, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. R/U wireline services. RIH and perforated squeeze holes at 587'. Attempted to establish circulation down 4 ½" production casing through perforations at 587' and back around and out Bradenhead valve at surface but was unsuccessful. RIH and perforated squeeze holes at 517'. R/U cementing services. Successfully established circulation down 4 ½" production casing through perforations at 517' and back around and out Bradenhead valve at surface. Successfully circulated cement down 4 ½" production casing through perforations at 517' and back around and out Bradenhead valve at surface. N/D BOP. Dug out wellhead with backhoe. Performed wellhead cut-off. Cement was at surface in both 4 ½" production casing and 8-5/8" surface casing annulus. Installed subsurface P&A marker per NMOCD regulations. Photographed the P&A marker in place and recorded its location via GPS coordinates. Back filled P&A marker. R/D and MOL.

**Plug Summary:****Plug #1:(San Andres Perforations and Formation Top 3,126'-2,806', 25 Sacks Type III Cement)**

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

**Plug #2:(Yates and Rustler Formation Tops 1,595'-751', 175 Sacks Type III Cement(Squeezed 100 sx, Re-pumped 25 sx))**

RIH and perforated squeeze holes at 1,595'. Successfully established injection rate of 1.3 bpm at 380 psi into perforations at 1,595'. TIH with packer and set with an EOT depth of 872'. R/U cementing services. Pumped plug #2 from 1,595'-872' to cover the Yates and Rustler formation tops. TOOH with remaining tubing. WOC over the weekend. TIH and tagged plug #2 top at 1,131'. Circulated wellbore clean with fresh water. R/U cementing services. Re-pumped plug #2 from 1,131'-732' to cover the Yates and Rustler formation tops. WOC 4 hours. TIH and tagged plug #2 top at 751'.

**Plug #3: (Surface Casing Shoe 587'-Surface, 157 Sacks Type III Cement)**

RIH and perforated squeeze holes at 587'. Attempted to establish circulation down 4 ½" production casing through perforations at 587' and back around and out Bradenhead valve at surface but was unsuccessful. RIH and perforated squeeze holes at 517'. R/U cementing services. Successfully established circulation down 4 ½" production casing through perforations at 517' and back around and out Bradenhead valve at surface. Successfully circulated cement down 4 ½" production casing through perforations at 517' and back around and out Bradenhead valve at surface. N/D BOP. Dug out wellhead with backhoe. Performed wellhead cut-off. Cement was at surface in both 4 ½" production casing and 8-5/8" surface casing annulus. Installed subsurface P&A marker per NMOCD regulations. Photographed the P&A marker in place and recorded its location via GPS coordinates. Back filled P&A marker. R/D and MOL.

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## Wellbore Diagram

Cato San Andres Unit #64  
API #: 30-005-20028  
Chaves County, New Mexico

### Plug 3

587 feet - Surface  
587 feet plug  
157 sacks of Type III Cement

### Plug 2

1595 feet - 751 feet  
844 feet plug  
175 sacks of Type III Cement  
100 sacks squeezed  
25 sacks re-pumped

### Plug 1

3126 feet - 2806 feet  
320 feet plug  
25 sacks of Type III Cement

### Perforations

3176 ft - 3211 ft  
3237 ft - 3290 ft

### Surface Casing

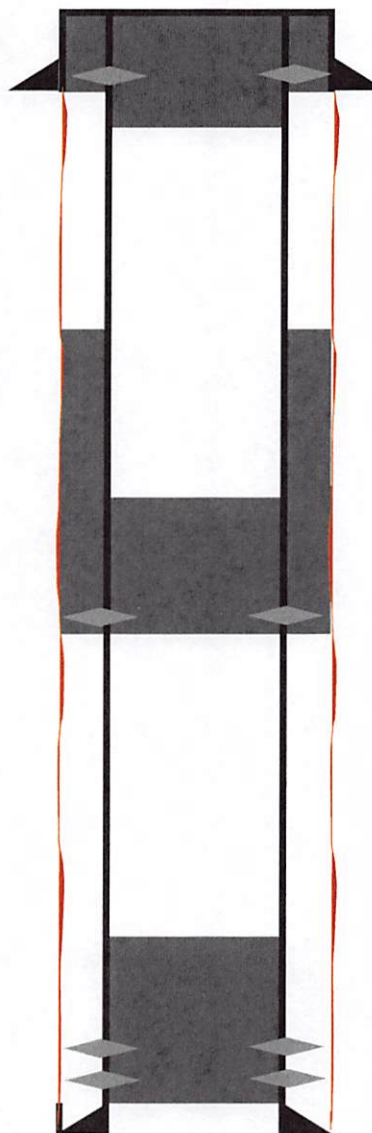
8.625" 20# @ 537 ft

### Formation

Anhy - 1170 ft  
Yates - 1478 ft  
San Andres - 2480 ft

### Production Casing

4.5" 9.5# @ 3444 ft



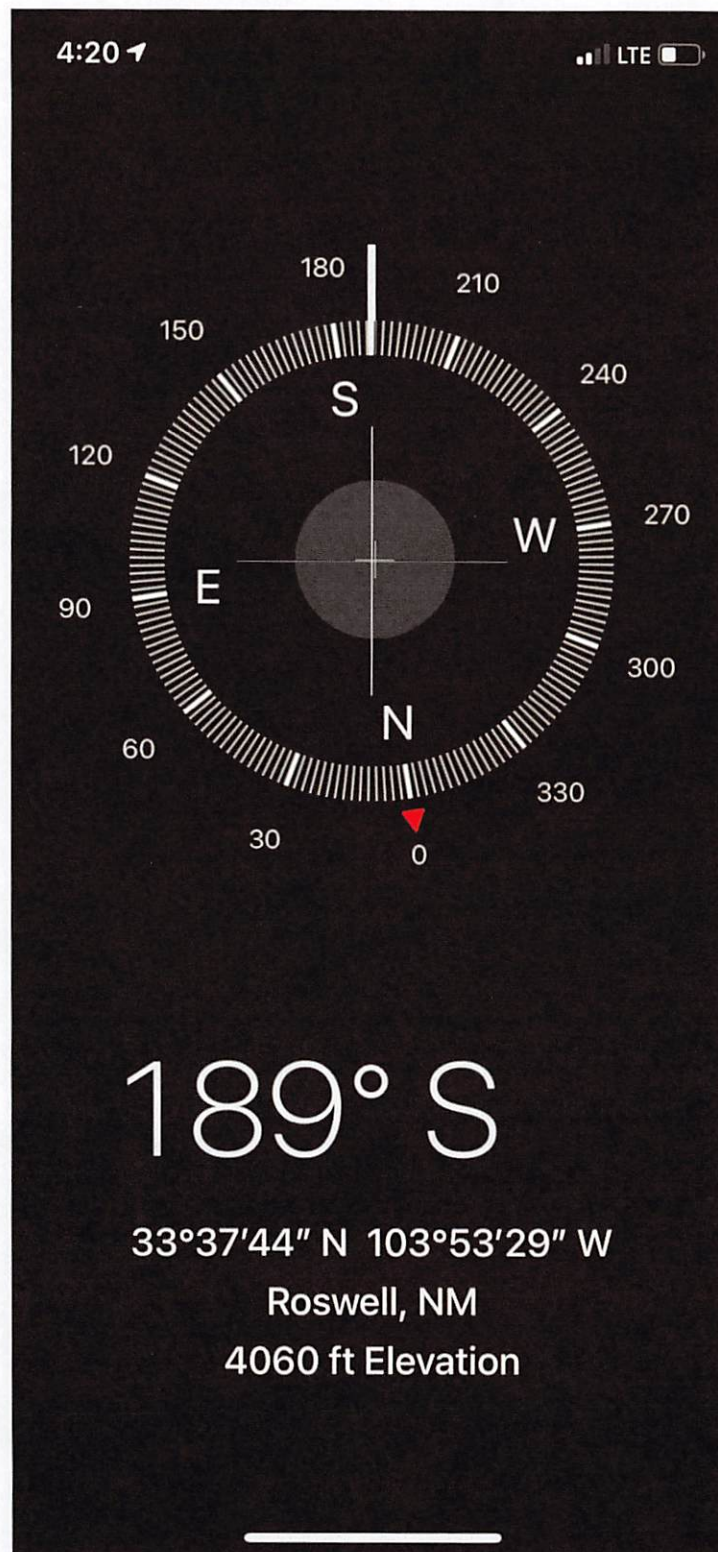














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**Santa Fe, NM 87505**

CONDITIONS

Action 383894

CONDITIONS

Operator: CANO PETRO OF NEW MEXICO, INC. 801 Cherry Street Fort Worth, TX 76102	OGRID: 248802
	Action Number: 383894
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
samuel.romero	Operator must submit a C-103Q within one year from plugging date in order for OCD to perform a site inspection.	10/2/2024