

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

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.)		WELL API NO. 30-005-10578
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>J</u> 1980 feet from the <u>S</u> line and 1980 feet from the <u>E</u> line Section <u>10</u> Township <u>08S</u> Range <u>30E</u> NMPM County Chaves		8. Well Number <u>047</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4092		9. OGRID Number 330485
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:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input 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 checked="" 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.

NMOCD plugged well according to attached EOW report and plugged WBD.

Accepted for record – NMOCD  
 JRH 05/03/2023

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 Drake McCulloch TITLE Authorized Representative DATE 5/16/22

Type or print name Drake McCulloch E-mail address: [drake@dwsrigs.com](mailto:drake@dwsrigs.com) PHONE: 505 320 1180

**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 #047**

1980' FSL & 1980' FEL, Section 10, T8S, R30E

Chaves County, NM / API 30-005-10578

#### **Work Summary:**

- 5/11/22** Made NMOCD P&A operations notifications at 9:00 AM MST.
- 5/12/22** MOL and R/U P&A rig. Prepped location with backhoe. Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. Removed horse's head in preparation to pull rods. Worked stuck sucker rod pump free. L/D polish rod, 136- 3/4" sucker rods, and sucker rod pump. N/D wellhead, N/U BOP and function tested. Worked stuck tubing free. L/D 103 joints of 2-3/8" tubing. Secured and shut-in well for the day.
- 5/13/22** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. P/U 4 1/2" casing scraper and work string and tagged up at a depth of 3,259'. No more progress could be made down wellbore. TOOH. P/U 4 1/2" CR, TIH and attempted to set at 3,259' but could not get CR to set. TOOH and L/D CR. P/U 4 1/2" CR, TIH and set at 3,259'. Stung out of CR. R/U cementing services. Circulated wellbore clean with 35 bbls of fresh water. Attempted to pressure test production casing to 500 psi in which it failed to hold pressure. Pumped plug #1 from 3,259'-2,891' to cover the San Andres perforations and formation top. TOOH. WOC overnight. Secured and shut-in well for the day.
- 5/14/22** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. R/U wireline services. Ran CBL from top of plug #1 at approximately 2,891' to surface. CBL results were sent to NMOCD office for review. TIH and tagged plug #1 top at 2,834'. R/U cementing services. Attempted to pressure test production casing to



500 psi in which it failed to hold pressure. Spotted 9.5 ppg mud spacer from 2,834'-1,595'. L/D tubing up to next plug depth. R/U cementing services. Pumped plug #2 from 1,595'-900' to cover the Yates and Rustler formation tops. L/D tubing up to next plug depth. TOOH with remaining tubing. WOC 4 hours. TIH but never tagged cement. WOC an additional 2 hours. TIH but never tagged cement. R/U cementing services. Re-pumped plug #2 from 1,595'-800' to cover the Yates and Rustler formation tops. TOOH. WOC overnight. Secured and shut-in well for the day.

**5/15/22** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH and tagged plug #2 top at 780'. R/U cementing services. Spotted 9.5 ppg mud spacer from 780'-503'. L/D tubing to surface. R/U wireline services. RIH and perforated squeeze holes at 503'. R/U cementing services. Successfully established circulation down 4 ½" production casing through perforations at 503' and back around and out Bradenhead valve at surface with 6 bbls of fresh water. Successfully circulated cement down 4 ½" production casing through perforations at 503' and back around and out Bradenhead valve at surface. N/D BOP, N/U wellhead. R/D and MOL. Secured and shut-in well for the day.

**5/16/22** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. Dug-out wellhead with backhoe. Performed wellhead cut-off. Ran weighted tally tape down both 8-5/8" surface casing annulus and 4 ½" production casing and tagged cement 80' down in both strings of casing. Ran ¾" poly pipe down both strings of casing. R/U cementing services. Topped-off both strings of casing with 27 sx of cement. 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 3,259'-2,834', 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'-780', 97 Sacks Type III Cement(Re-pumped 50 sx))**

Mixed 97 sx Type III cement and spotted a balanced plug to cover the Yates and Rustler formation tops. Re-pumped 50 sx Type III.

##### **Plug #3: (Surface Casing Shoe 503'-Surface, 77 Sacks Type III Cement(27 sx for Top-off))**

RIH and perforated squeeze holes at 503'. R/U cementing services. Successfully established circulation down 4 ½" production casing through perforations at 503' and back around and out Bradenhead valve at surface with 6 bbls of fresh water. Successfully circulated cement down 4 ½" production casing through perforations at 503' and back around and out Bradenhead valve at surface. N/D BOP, N/U wellhead. R/D and MOL. Dug-out wellhead with backhoe. Performed wellhead cut-off. Ran weighted tally tape down both 8-5/8" surface casing annulus and 4 ½" production casing and tagged cement 80' down in both strings of casing. Ran ¾" poly pipe down both strings of casing. R/U cementing services. Topped-off both strings of casing with 27 sx of cement. 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.





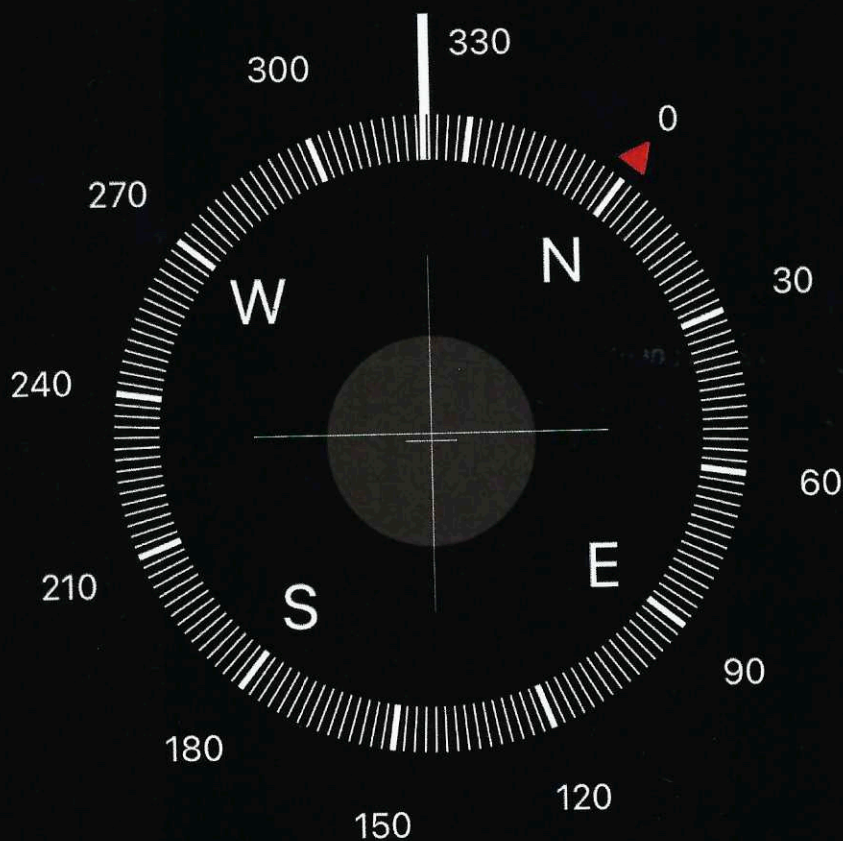






4:59

LTE



321° NW

33°37'57" N 103°51'55" W

Elida, NM

4090 ft Elevation

## End of Well Wellbore Diagram

Cato San Andres Unit #047

API #: 30-005-10578

Chaves County, New Mexico

### Plug 3

503 feet - Surface

503 feet plug

77 sacks of Type III Cement

27 sacks Type III Top off

### Plug 2

1595 feet - 780 feet

815 feet plug

97 sacks of Type III Cement

Rep pumped 50 sacks of Type III  
Cement

### Plug 1

3259 feet - 2834 feet

425 feet plug

25 sacks of Type III Cement

### Surface Casing

8.625" 24# @ 453 ft

### Formation

Rustler - 1072 ft

Yates - 1545

San Andres - 3286 ft

Retainer @ 3259 feet

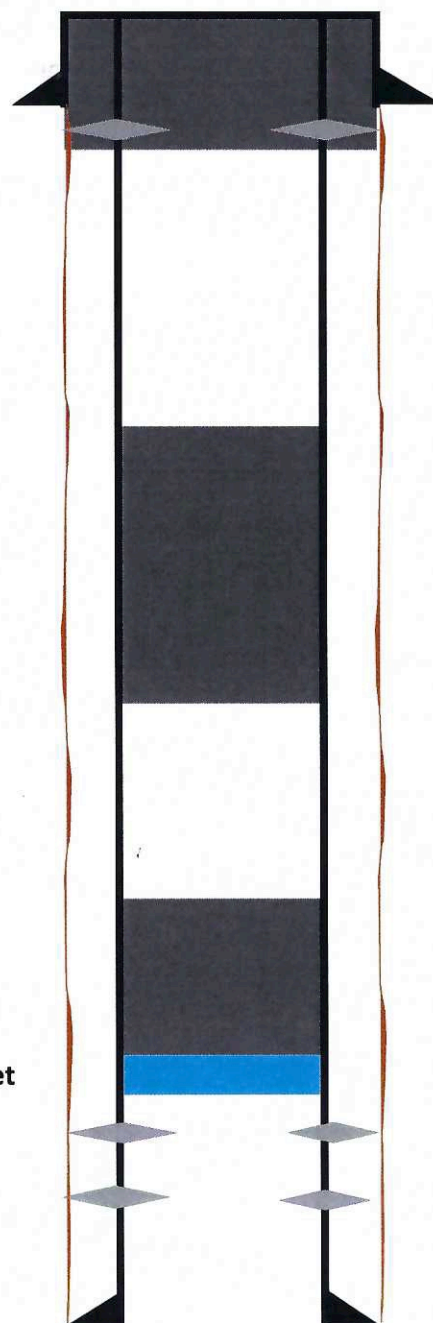
### Perforations

3336 feet -3362 feet

3400 feet - 3440 feet

### Production Casing

4.5" 9.5# @ 3480 ft





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Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

CONDITIONS

Action 109153

CONDITIONS

Operator: J.A. Drake Well Service Inc. 607 W Pinon Farmington, NM 87401	OGRID: 330485
	Action Number: 109153
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
john.harrison	None	5/3/2023