

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

WELL API NO. 30-005-20170
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Cato San Andres Unit
8. Well Number 031
9. OGRID Number 248802
10. Pool name or Wildcat Cato; San Andres
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4077

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.)

1. Type of Well: Oil Well  Gas Well  Other

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

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

4. Well Location  
Unit Letter F \_\_\_\_\_ 1980 \_\_\_\_\_ feet from the \_\_\_\_\_ N \_\_\_\_\_ line and \_\_\_\_\_ 1980 \_\_\_\_\_ feet from the \_\_\_\_\_ W \_\_\_\_\_ line  
Section 10 \_\_\_\_\_ Township 08S \_\_\_\_\_ Range 30E \_\_\_\_\_ NMPM County Chaves

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

NOTICE OF INTENTION TO:

- PERFORM REMEDIAL WORK
- TEMPORARILY ABANDON
- PULL OR ALTER CASING
- DOWNHOLE COMMINGLE
- CLOSED-LOOP SYSTEM
- OTHER:
- PLUG AND ABANDON
- CHANGE PLANS
- MULTIPLE COMPL

SUBSEQUENT REPORT OF:

- REMEDIAL WORK
- COMMENCE DRILLING OPNS.
- CASING/CEMENT JOB
- OTHER:
- ALTERING CASING
- P AND A

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.

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 9/16/24

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 #031**

1980' FNL & 1980' FWL, Section 10, T8S, R30E

Chaves County, NM / API 30-005-20170

#### **Work Summary:**

- 4/17/22** Made NMOCD P&A operations notifications at 9:00 AM MST.
- 4/18/22** 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. Worked stuck rod string. L/D polish rod and 63 3/4" sucker rod. The 64<sup>th</sup> rod was wax worn and parted. N/D wellhead, N/U BOP and function tested. Worked stuck tubing. L/D 100 joints of 2-3/8" tubing and rods, the last joint of tubing had a collar on it. Tallied 2-3/8" workstring. Secured and shut-in well for the day.
- 4/19/22** 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 1,591'. TOO. N/D BOP. P/U 4 1/2" packer and set at 33'. Filled production casing with fresh water. Cut-off wellhead. Welded on Bradenhead flange. N/U BOP. Un-set packer and TOO. Successfully filled wellbore to surface with 23 bbls of fresh water. P/U 4 1/2" packer, TIH and set at 1,400'. Attempted to establish injection rate below packer at 1,400' but was unsuccessful. Water started circulating out of casing. Un-set packer and TOO. Secured and shut-in well for the day.
- 4/20/22** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. P/U packer, TIH and set at 960'. Attempted to establish injection rate below packer at 960' with 2 bbls of fresh water but wellbore immediately pressured up. Pumped fresh water down production casing and water started circulating out of

- Bradenhead. Un-set packer and TOOH. Waited on NMOCD to start cementing operations. Secured and shut-in well for the day. Prepped next locations with backhoe.
- 4/21/22** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. Rig crew prepped next few locations to P&A while waiting on approval to start cementing operations. Cleaned up oil spill on Cato #006 tank battery. Secured and shut-in well for the day.
- 4/26/22** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. R/U wireline services. RIH and perforated squeeze holes at 1,590'. P/U 4 ½" packer, TIH and set at 960'. Attempted to establish injection rate into perforations at 1,590' but was unsuccessful. Un-set packer and TOOH. R/U wireline services. RIH and perforated squeeze holes at 1,100'. P/U 4 ½" packer, TIH and set at 960'. Attempted to establish injection rate into perforations at 1,100' but was unsuccessful. Un-set packer and TOOH. P/U cementing sub, TIH to 1,591'. R/U cementing services. Pumped plug #1 from 1,591'-900' to cover the San Andres perforations and formation top, Yates and Rustler formation tops. L/D tubing up to next plug depth. TOOH with remaining tubing. WOC 4 hours. TIH and tagged plug #1 top at 1,308'. R/U cementing services. Re-pumped plug #1 from 1,308'-900' to cover the Rustler formation top. L/D tubing up to next plug depth. TOOH with remaining tubing. WOC overnight. Secured and shut-in well for the day.
- 4/27/22** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH and tagged plug #1 top at 950'. R/U cementing services. Spotted 9.5 ppg mud spacer from 950'-346'. R/U wireline services. RIH and perforated squeeze holes at 346'. R/U cementing services. Successfully established circulation down production casing through perforations at 346' and back around and out Bradenhead valve at surface with 10 bbls of fresh water. Successfully circulated cement down production casing through perforations at 346' and back around and out Bradenhead valve at surface. N/D BOP, N/U wellhead. R/D and MOL.
- 5/2/22** 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 the 8-5/8" surface casing annulus and 4 ½" production casing. Tagged cement 80' down in 8-5/8" surface casing annulus and 35' down in the 4 ½" production casing. Ran ¾" poly pipe down both casing strings. R/U cementing services. Topped-off well with 19 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, Yates and Rustler Formation Tops 1,591'-950', 74 Sacks Type III Cement(Re-pumped 28 sx))**

Pumped plug #1 from 1,591'-900' to cover the San Andres perforations and formation top, Yates and Rustler formation tops. L/D tubing up to next plug depth. TOOH with remaining tubing. WOC 4 hours. TIH and tagged plug #1 top at 1,308'. R/U cementing services. Re-pumped plug #1 from 1,308'-900' to cover the Rustler formation top. L/D tubing up to next plug depth. TOOH with remaining tubing. WOC overnight. TIH and tagged plug #1 top at 950'.

**Plug #2: (Surface Casing Shoe 346'-Surface, 127 Sacks Type III Cement(19 sx for Top-Off))**

RIH and perforated squeeze holes at 346'. R/U cementing services. Successfully established circulation down production casing through perforations at 346' and back around and out Bradenhead valve at surface with 10 bbls of fresh water. Successfully circulated cement down production casing through perforations at 346' and back around and out Bradenhead valve at surface. N/D BOP, N/U wellhead. Dug out wellhead with backhoe. Performed wellhead cut-off. Ran weighted tally tape down both the 8-5/8" surface casing annulus and 4 1/2" production casing. Tagged cement 80' down in 8-5/8" surface casing annulus and 35' down in the 4 1/2" production casing. Ran 3/4" poly pipe down both casing strings. R/U cementing services. Topped-off well with 19 sx of cement. Installed subsurface P&A marker per NMOCDC 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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## End of Well Wellbore Diagram

Cato San Andres Unit #031  
API #: 30-005-20170  
Chaves County, New Mexico

### Plug 2

346 feet - Surface  
346 feet plug  
127 sacks of Type III Cement  
19 sacks for Top off

### Plug 1

1591 feet - 950 feet  
641 feet plug  
74 sacks of Type III Cement  
Repumped 28 sks of type III

### Surface Casing

8.625" 24# @ 296 ft

### Formation

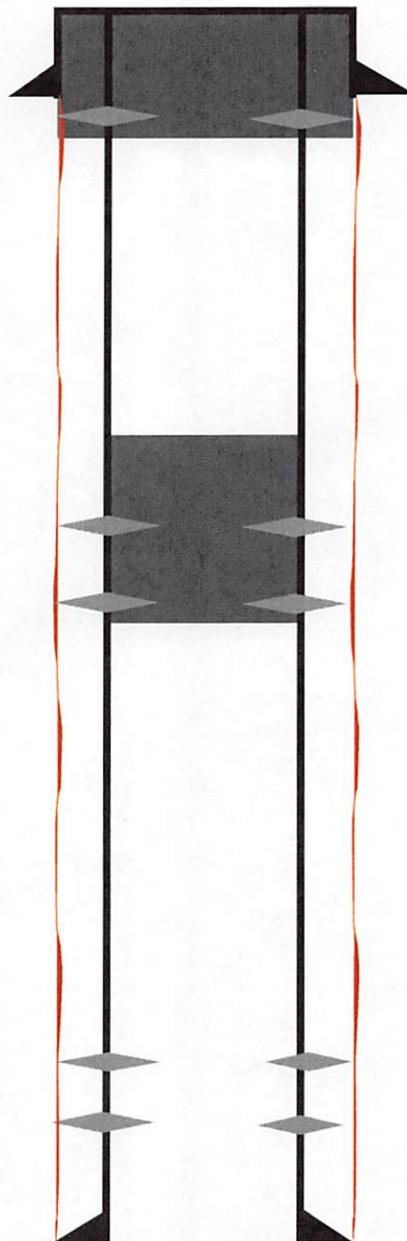
Rustler - 1072 feet  
Yates - 1545 feet  
San Andres - 3230 ft

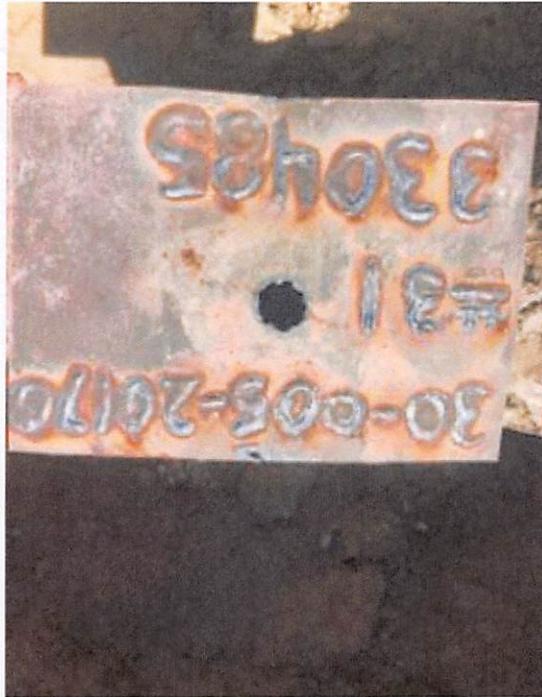
### Perforations

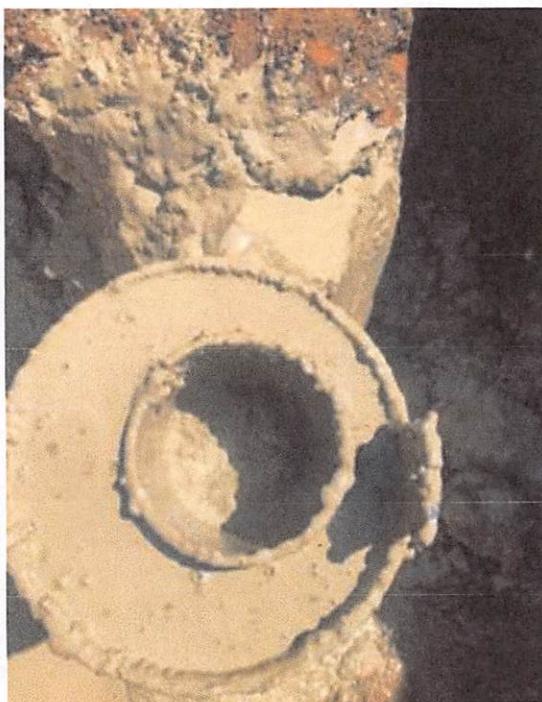
3280 feet - 3286 feet  
3296 feet - 3304 feet  
3308 feet - 3320 feet  
3354 feet - 3381 feet  
3385 feet - 3390 feet

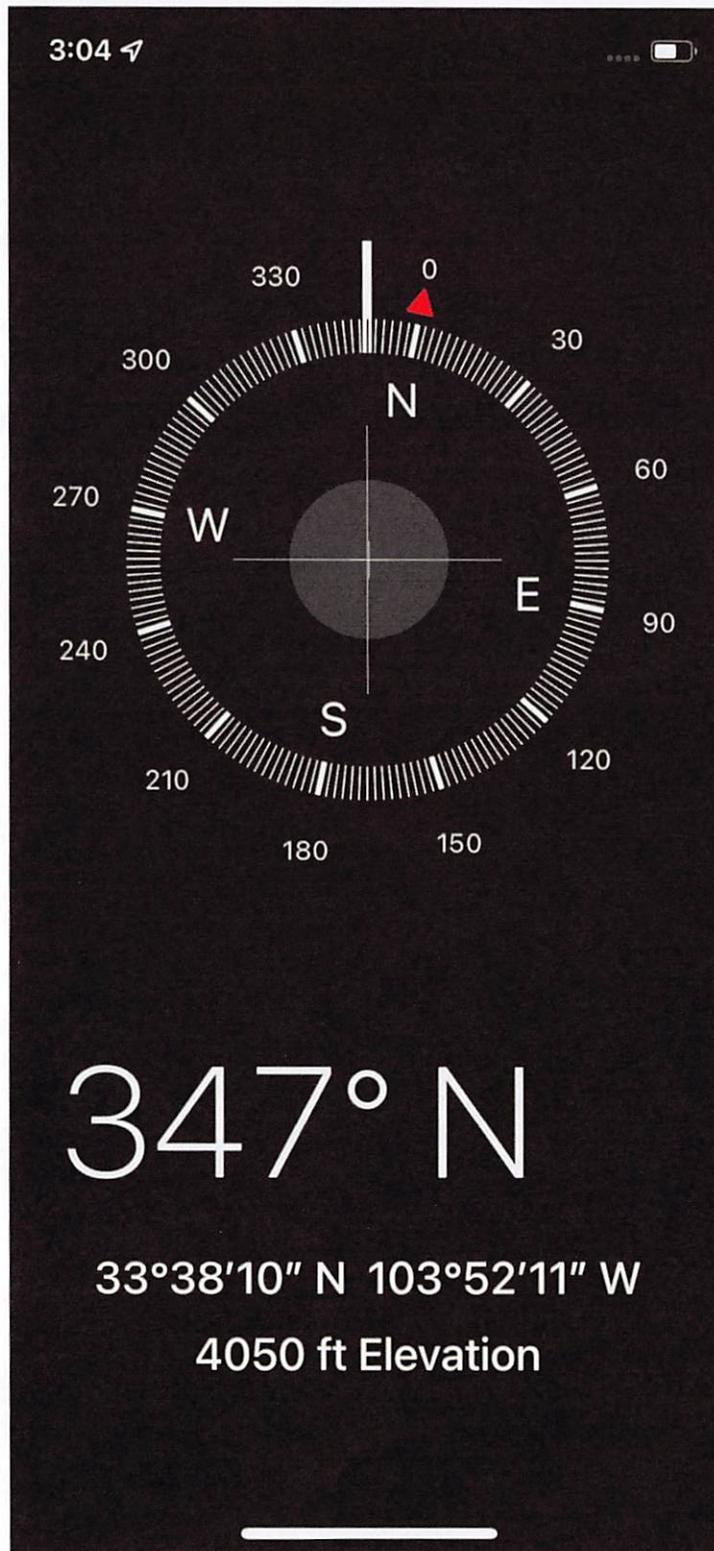
### Production Casing

4.5" 9.5# @ 3453 ft









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**Santa Fe, NM 87505**

CONDITIONS

Action 383880

**CONDITIONS**

Operator: CANO PETRO OF NEW MEXICO, INC. 801 Cherry Street Fort Worth, TX 76102	OGRID: 248802
	Action Number: 383880
	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