

Office  
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1625 N. French Dr., Hobbs, NM 88240  
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1000 Rio Brazos Rd., Aztec, NM 87410  
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1220 S. St. Francis Dr., Santa Fe, NM  
87505

State of New Mexico  
Energy, Minerals and Natural Resources

Revised July 18, 2013

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

WELL API NO. 30-005-20034
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 122
9. OGRID Number 330485
10. Pool name or Wildcat Cato; San Andres
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4123

**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 O 660 feet from the S line and 1980 feet from the E line  
Section 16 Township 08S Range 30E NMPM County Chaves

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

<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
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"/>	<b>P AND A</b> <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	PNR <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 plans to plug this well in accordance with the attached procedure and any agreed modifications thereto.

ESTIMATED START DATE 1/25/21

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 1/21/20

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

**For State Use Only**

APPROVED BY: Kerry Fortner TITLE Compliance Officer A DATE 7/8/21  
Conditions of Approval (if any)

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

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

#### **Cato San Andres Unit #122**

660' FSL & 1980' FEL, Section 16, T8S, R30E

Chaves County, NM / API 30-005-20034

#### **Work Summary:**

- 2/4/21** Made NMOCD P&A operations notifications at 9:00 AM MST.
- 2/4/21** MOL and R/U P&A rig. Checked well pressures: Tubing: N/A, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. N/U stripping head. M/U bit and casing scraper. P/U work string and tallied in the wellbore to a depth of 3,355'. TOO H and stood back work string in derrick. Shut-in well for the day.
- 2/5/21** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. N/U BOP and function tested. P/U CR, TIH and set at 3,299'. Circulated wellbore with 65 bbls of fresh water without establishing circulation. TOO H to inspect pipe for fluid level. Fluid level was found to be at 150'. TIH to CR at 3,299'. Circulated wellbore with 12 additional bbls of fresh water. TOO H with tubing. R/U wireline services. Ran CBL from CR at 3,299' to surface. CBL results were sent to NMOCD for review. TIH with tubing to CR at 3,299'. R/U cementing services. Pumped plug #1 from 3,299'-2,938' to cover the San Andres perforations and formation top. L/D 13 joints of tubing and stood the remaining tubing back in derrick. WOC overnight. Shut-in well for the day.
- 2/6/21** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH and tagged plug #1 top at 2,889'. Spotted 21 bbls of 9.5 ppg mud spacer. TOO H with tubing. P/U packer, TIH and set at 891'. Pressure tested wellbore from 891' to CR at 3,299' in which wellbore successfully held pressure. TOO H with tubing and packer. R/U wireline services. RIH and perforated squeeze holes at

1,595'. TIH with packer and set at 891' with EOT at 954'. Attempted to establish injection rate into perforations at 1,595' but was unsuccessful. TOOH and WOO. Shut-in well for the day.

**2/8/21** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH with tubing to 1,661'. R/U cementing services. Pumped plug #2 from 1,661'-1,330' to cover the Yates formation top and perforations at 1,595'. WOC 4 hours. TIH and tagged plug #2 top at 1,337'. TOOH with tubing. R/U wireline services. RIH and perforated squeeze holes at 1,122'. P/U packer, TIH and set at 891'. Attempted to establish injection rate into perforations at 1,122' but was unsuccessful. TOOH with tubing. TIH open ended to 1,337'. Topped-off combination plug #2 from 1,337'-900' to cover the Rustler formation top and perforations at 1,122'. WOC overnight. R/U wireline services. RIH and perforated squeeze holes at 501'. Shut-in well for the day.

**2/9/21** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH and tagged plug #2 top at 890'. Spotted 9.5 ppg mud spacer from 890'-500'. L/D 90 joints of tubing. R/U cementing services. Successfully established circulation with 38 bbls of fresh water (wellbore capacity 8 bbls) down tubing to perforations at 501' and back around and out Bradenhead valve at surface. Successfully circulated cement down tubing to perforations at 501' and back around and out Bradenhead valve at surface. N/D BOP and R/D P&A rig. Wellhead was left shut-in overnight to WOC. Wellhead to be cut-off 2/10/21.

**2/10/21** Checked well pressures: Tubing: N/A, Casing: 0 psi, Bradenhead: 0 psi. Performed wellhead cut-off. Cement was at surface in 8-5/8" surface casing and 4 1/2" production casing. Installed P&A marker and plate per NMOCD regulations. Photographed the P&A marker in place and recorded its location via GPS coordinates. R/D and MOL.

#### **Plug Summary:**

##### **Plug #1: (San Andres Perforations and Formation Top 3,299'-2,889', 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 1,661'-890', 56 Sacks Class C Cement)**

R/U wireline services. RIH and perforated squeeze holes at 1,595'. TIH with packer and set at 891' with EOT at 954'. Attempted to establish injection rate into perforations at 1,595' but was unsuccessful. TIH with tubing to 1,661'. R/U cementing services. Pumped plug #2 from 1,661'-1,330' to cover the Yates formation top and perforations at 1,595'. WOC 4 hours. TIH and tagged plug #2 top at 1,337'. R/U wireline services. RIH and perforated squeeze holes at 1,122'. P/U packer, TIH and set at 891'. Attempted to establish injection rate into perforations at 1,122' but was unsuccessful. TIH open ended to 1,337'. Topped-off combination plug #2 from 1,337'-900' to cover the Rustler formation top and perforations at 1,122'. WOC overnight. TIH and tagged plug #2 top at 890'.

**Plug #3: (Surface Casing Shoe 501'-Surface, 203 Sacks Class C Cement)**

RIH and perforated squeeze holes at 501'. R/U cementing services. Successfully established circulation with 38 bbls of fresh water (wellbore capacity 8 bbls) down tubing to perforations at 501' and back around and out Bradenhead valve at surface. Successfully circulated cement down tubing to perforations at 501' and back around and out Bradenhead valve at surface. N/D BOP and R/D P&A rig. Wellhead was left shut-in overnight to WOC. Performed wellhead cut-off. Cement was at surface in 8-5/8" surface casing and 4 1/2" production casing. Installed P&A marker and plate per NMOCD regulations. Photographed the P&A marker in place and recorded its location via GPS coordinates.

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## Wellbore Diagram

Cato San Andres Unit #122

API #: 30-005-20034

Chaves County, New Mexico

### Plug 3

501 feet - Surface

501 feet plug

203 sacks of Class C Cement

### Plug 2

1661 feet - 890 feet

771 feet plug

56 sacks of Class C Cement

### Plug 1

3299 feet - 2889 feet

410 feet plug

25 sacks of Class C Cement

### Surface Casing

8.625" 20# @ 451 ft

### Formation

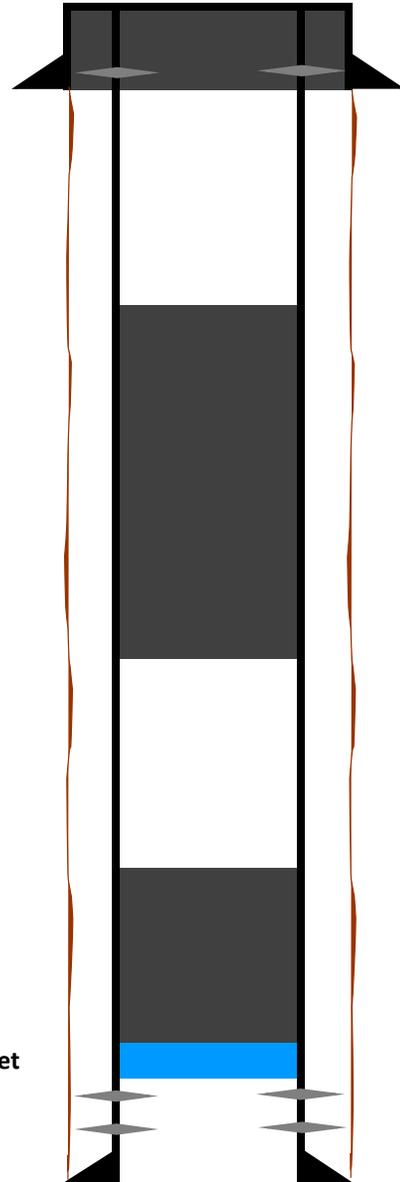
Rustler - 1072 ft

Yates - 1545 ft

Retainer @ 3299 feet

### Production Casing

4.5" 9.5# @ 3550 ft



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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 20703

**CONDITIONS**

Operator: J.A. Drake Well Service Inc. 607 W Pinon Farmington, NM 87401	OGRID: 330485
	Action Number: 20703
	Action Type: [C-103] Sub. Plugging (C-103P)

**CONDITIONS**

Created By	Condition	Condition Date
kfortner	None	7/8/2021