

Submit One Copy To Appropriate District Office  
 District I  
 1625 N. French Dr., Hobbs, NM 88240  
 District II  
 811 S. First St., Artesia, NM 88210  
 District III  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV  
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
 Energy, Minerals and Natural Resources

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

Form C-103

Revised November 3, 2011

<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. 30-005-20236
1. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator Cano Petro on NM. INC		6. State Oil & Gas Lease No.
3. Address of Operator 801 Cherry Street Unit 25 Suite 3200 Fort Worth, Texas 76102		7. Lease Name or Unit Agreement Name Cato San Andres
4. Well Location Unit Letter <u>B</u> : <u>660</u> feet from the <u>N</u> line and <u>1650</u> feet from the <u>E</u> line Section <u>17</u> Township <u>08S</u> Range <u>30E</u> NMPM County <u>Chaves</u>		8. Well Number <u>068</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.)		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

<b>NOTICE OF INTENTION TO:</b> PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/>		<b>SUBSEQUENT REPORT OF:</b> REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input checked="" type="checkbox"/> CASING/CEMENT JOB <input type="checkbox"/>	
OTHER: <input type="checkbox"/>		<input checked="" type="checkbox"/> Location is ready for OCD inspection after P&A	

- ☒ All pits have been remediated in compliance with OCD rules and the terms of the Operator's pit permit and closure plan.  
☒ Rat hole and cellar have been filled and leveled. Cathodic protection holes have been properly abandoned.  
☒ A steel marker at least 4" in diameter and at least 4' above ground level has been set in concrete. It shows the

**OPERATOR NAME, LEASE NAME, WELL NUMBER, API NUMBER, QUARTER/QUARTER LOCATION OR UNIT LETTER, SECTION, TOWNSHIP, AND RANGE. All INFORMATION HAS BEEN WELDED OR PERMANENTLY STAMPED ON THE MARKER'S SURFACE.**

- ☐ The location has been leveled as nearly as possible to original ground contour and has been cleared of all junk, trash, flow lines and other production equipment.  
☐ Anchors, dead men, tie downs and risers have been cut off at least two feet below ground level.  
☐ If this is a one-well lease or last remaining well on lease, the battery and pit location(s) have been remediated in compliance with OCD rules and the terms of the Operator's pit permit and closure plan. All flow lines, production equipment and junk have been removed from lease and well location.  
☐ All metal bolts and other materials have been removed. Portable bases have been removed. (Poured onsite concrete bases do not have to be removed.)  
☐ All other environmental concerns have been addressed as per OCD rules.  
☐ Pipelines and flow lines have been abandoned in accordance with 19.15.35.10 NMAC. All fluids have been removed from non-retrieved flow lines and pipelines.  
☐ If this is a one-well lease or last remaining well on lease: all electrical service poles and lines have been removed from lease and well location, except for utility's distribution infrastructure.

When all work has been completed, return this form to the appropriate District office to schedule an inspection.

SIGNATURE Ethan Wakefield TITLE Authorized Representative DATE 6/19/23  
 TYPE OR PRINT NAME Ethan Wakefield E-MAIL: e.wakefield@dwsrigs.com PHONE (405) 343-7736  
 For State Use Only

## **Cano Petro**

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

#### **Cato San Andres #068**

660' FNL & 1650' FEL, Section 17, 08S, 30E

Chaves County, NM / API 30-005-20236

#### **Work Summary:**

- 5/26/23** Made BLM and NMOCD P&A operations notifications at 9:00 AM MST.
- 5/27/23** Worked in the Twin Lakes field to prepare to move to Cato San Andres #068. Cleaned up all equipment and tubing. Moved equipment to the staging area in preparation to move on to Cato San Andres #068.
- 5/28/23** Arrived at the staging area and held safety meeting. Finished building road to location. Moved all equipment onto location. Rigged up all equipment. L/D 120 3/4" rods, 11 7/8" rods, and an 8' 3/4" pup pump. Shut down and secured well for the day.
- 5/29/23** Arrived on location and held a safety meeting. N/U BOP. Started pulling tubing. L/D 102 joints, a 6' pup and an 8' pup. P/U 4.5" casing scraper. TIH to 3321'. TOOH. P/U 4.5" CR. TIH and set at 3296'. R/U cementing services. Attempted to circulate hole but could not establish circulation. Shut down and secured the well for the night.
- 5/30/23** Arrived on location and held safety meeting. Checked well pressures. Tubing: 0 psi, Casing: 0 psi Bradenhead: 0 psi. Bleed down well. TIH and tag CR at 3296'. R/U cementing services. Pumped plug #1 from 3296' to 2937'. TOOH and WOC. TIH and tagged plug #1 at 3296'. R/U cementing services. Continued pumping plug #1 with added LCM from 3296' to 2973'. TOOH. WOC. TIH and tagged plug #1 at 3296'. R/U cementing services. Pumped 25 bbls of high viscosity mud with 30% LCM. Let mud sit overnight. Shut in and secured well.

- 5/31/23** Arrived on location and held safety meeting. Checked well pressures. Tubing: 0 psi, Casing: 0 psi Bradenhead: 0 psi. Bleed down well. TIH and tagged CR at 3296'. R/U cementing services. Continued pumping plug #1 from 3296' to 2973'. TOOH. WOC. TIH and tagged plug #1 at 2946'. Circulated hole. Attempted to pressure test casing but was unsuccessful. TOOH. Wait on wireline. Wireline was unable to R/U due to bad weather. Shut in and secured well for the day.
- 6/1/23** Unable to get to location due to poor road conditions and mud.
- 6/6/23** Arrived on location and held safety meeting. Checked well pressures. Tubing: 0 psi, Casing: 0 psi Bradenhead: 0 psi. Bleed down well. R/U wireline services. Logged well. R/D wireline. TIH to 2946'. R/U cementing services. Pumped mud/gel spacer from 2946' to 2074'. R/D cementers. L/D 27 joints and TOOH. R/U wireline services. RIH and perforated at 2074'. POOH. R/D wireline. P/U 4.5" packer. TIH and set packer at 1638', EOT at 1773'. R/U cementing services. Successfully established an injection rate. Pumped 15 bbls. Pumped plug #2 from 2074' to approximately 1751'. R/D cementers. Unset packer and TOOH. WOC 4 hours. TIH and tagged TOC at 1604'. TOOH 300'. Secured and shut in well for the day.
- 6/7/23** Arrived on location and held safety meeting. Checked well pressures. Tubing: 0 psi, Casing: 0 psi Bradenhead: 0 psi. Bleed down well. TIH to 1607'. R/U cementing services. Pumped mud/gel spacer from 1607' to 1450'. R/D cementers. L/D 5 joints and TOOH. R/U wireline. RIH and perforated at 1450'. POOH. R/D wireline. P/U packer. TIH and set packer at 757', EOT at 852'. R/U cementers. Successfully established an injection rate. Pumped plug #3 from 852' to 1450'. R/D cementers. Unset packer and TOOH. WOC 4 hours. TIH and tagged plug #3 at 1104'. R/U cementing services. Continued pumping plug #3 from 1104' to 890'. R/D cementers. L/D 8 joints and TOOH. WOC overnight. Shut in and secured well.
- 6/8/23** Arrived on location and held safety meeting. Checked well pressures. Tubing: 0 psi, Casing: 0 psi Bradenhead: 0 psi. Bleed down well. TIH and tagged plug #3 at 825'. R/U cementing services. Pumped mud/gel spacer from 825' to 344'. R/D cementers. L/D 15 joints and TOOH. P/U packer. TIH and set at 284'. Successfully pressure tested casing above packer. Unset packer and TOOH. L/D packer. R/U wireline services. RIH and perforated at 344'. POOH. R/D wireline. R/U cementing services. Successfully circulated water down 4.5" casing, into perforations at 344' and out BH valve at surface. Pumped plug #4 down 4.5" casing, into perforations at 344' and out BH valve at surface, but lost circulation. Flushed casing to perforations at 344'. R/D cementers. WOC. TIH and tagged TOC at 410'. Attempted to circulate water out BH valve, but casing pressured up. Attempted to



pump water down BH valve but was unsuccessful. R/U cementing services. Continued pumping plug #4 from 410' to surface. R/D cementers. L/D tubing, R/D floor, ND BOP, NU WH, RD unit. Prepared to MOL.

**6/15/23** Arrived on location and held safety meeting. Used backhoe to safely expose wellhead. Set up welding unit on location. Performed wellhead cutoff. Removed old wellhead. Tagged cement at 25' inside and 20' outside. Filled casing to surface with 8 sacks. Welder attached marker per NMOCD regulations.

**Plug Summary:**

**Plug #1: (San Andres Perforations, 3,296'-2,946', 75 Sacks Type I/II Cement)**

P/U 4.5" CR. TIH and set at 3296'. R/U cementing services. Attempted to circulate hole but could not establish circulation. TIH and tag CR at 3296'. R/U cementing services. Pumped plug #1 from 3296' to 2937'. TOOH and WOC. TIH and tagged plug #1 at 3296'. R/U cementing services. Continued pumping plug #1 with added LCM from 3296' to 2973'. TOOH. WOC. TIH and tagged plug #1 at 3296'. R/U cementing services. Pumped 25 bbls of high viscosity mud with 30% LCM. Let mud sit overnight. TIH and tagged CR at 3296'. R/U cementing services. Continued pumping plug #1 from 3296' to 2973'. TOOH. WOC. TIH and tagged plug #1 at 2946'.

**Plug #2: (San Andres Formation Top 2,074 -1,604', 92 Sacks Type I/II Cement)**

R/U wireline services. RIH and perforated at 2074'. POOH. R/D wireline. P/U 4.5" packer. TIH and set packer at 1638', EOT at 1773'. R/U cementing services. Successfully established an injection rate. Pumped 15 bbls. Pumped plug #2 from 2074' to approximately 1751' with 92 sx (26 sx in 4.5", 66 sx outside). R/D cementers. Unset packer and TOOH. WOC 4 hours. TIH and tagged TOC at 1604'.

**Plug #3: (Yates and Anhy Formation Top, 1450' to 825', 189 Sacks Type I/II Cement)**

R/U wireline. RIH and perforated at 1450'. POOH. R/D wireline. P/U packer. TIH and set packer at 757', EOT at 852'. R/U cementers. Successfully established an injection rate. Pumped plug #3 from 852' to 1450'. R/D cementers. Unset packer and TOOH. WOC 4 hours. TIH and tagged plug #3 at 1104'. R/U cementing services. Continued pumping plug #3 from 1104' to 890'. Plug totaled 189 sx (69 sx in 4.5", 120 outside). TOOH. WOC. TIH and tagged plug #3 at 825'.

**Plug #4: (Surface Casing Shoe, 344' to Surface', 295 Sacks Type I/II Cement (8 sx for top off))**

R/U wireline services. RIH and perforated at 344'. POOH. R/D wireline. R/U cementing services. Successfully circulated water down 4.5" casing, into perforations at 344' and out BH valve at surface. Pumped plug #4 down 4.5" casing, into perforations at 344' and out BH valve at surface, but lost circulation. Flushed casing to perforations at 344'. R/D cementers. WOC. TIH and tagged TOC at 410'. Attempted to circulate water out BH valve, but casing pressured up. Attempted to pump water down BH valve but was unsuccessful. R/U cementing services. Continued pumping plug #4 from 410' to surface. Used backhoe to safely expose wellhead. Set up welding unit on location. Performed wellhead cutoff. Removed old wellhead. Tagged cement at 25' inside and 20' outside. Filled casing to surface with 8 sacks. Welder attached marker per NMOCD regulations.

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## Completed Wellbore Diagram

Cano Petro Of New Mexico  
Cato San Andres #068  
API: 30-005-20236  
Chaves County, New Mexico

### Surface Casing

8.625" 20# @ 294 ft  
OH: 12.25"

### Plug 4

344 feet - Surface  
344 foot plug  
295 Sacks of Type I/II Cement

### Plug 3

1450 feet - 825 feet  
625 foot plug  
189 Sacks of Type I/II Cement

### Plug 2

2074 feet - 1604 feet  
470 foot plug  
92 Sacks of Type I/II Cement

### Plug 1

3296 feet - 2946 feet  
350 foot plug  
75 sacks of Type I/II Cement

### Perforations

3346 feet - 3360 feet

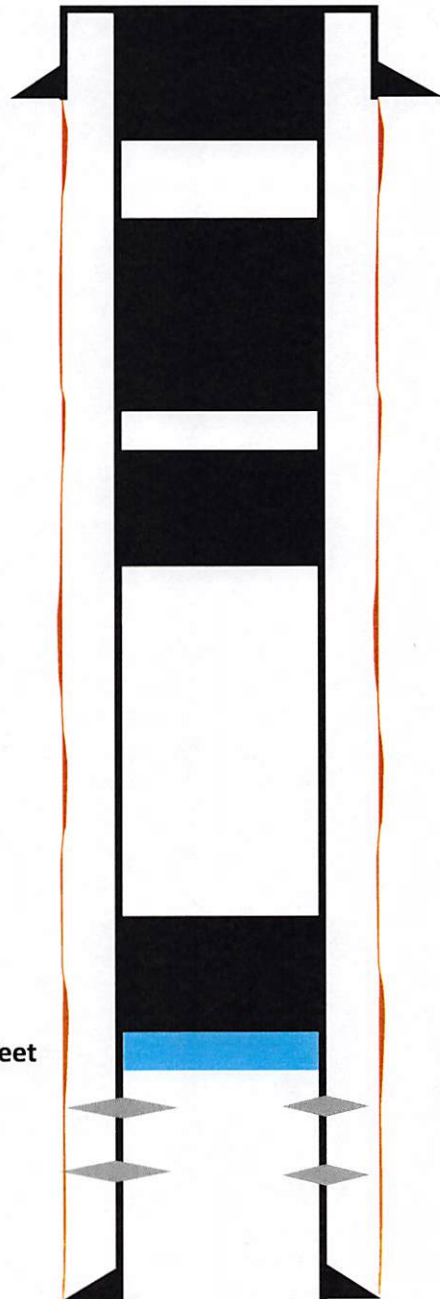
### Formation

Anhy - 990'  
Yates - 1400'  
San Andres - 2024'

Retainer @ 3296 feet

### Production Casing

4.5" 9.5# @ 3450 feet  
OH: 7.875"





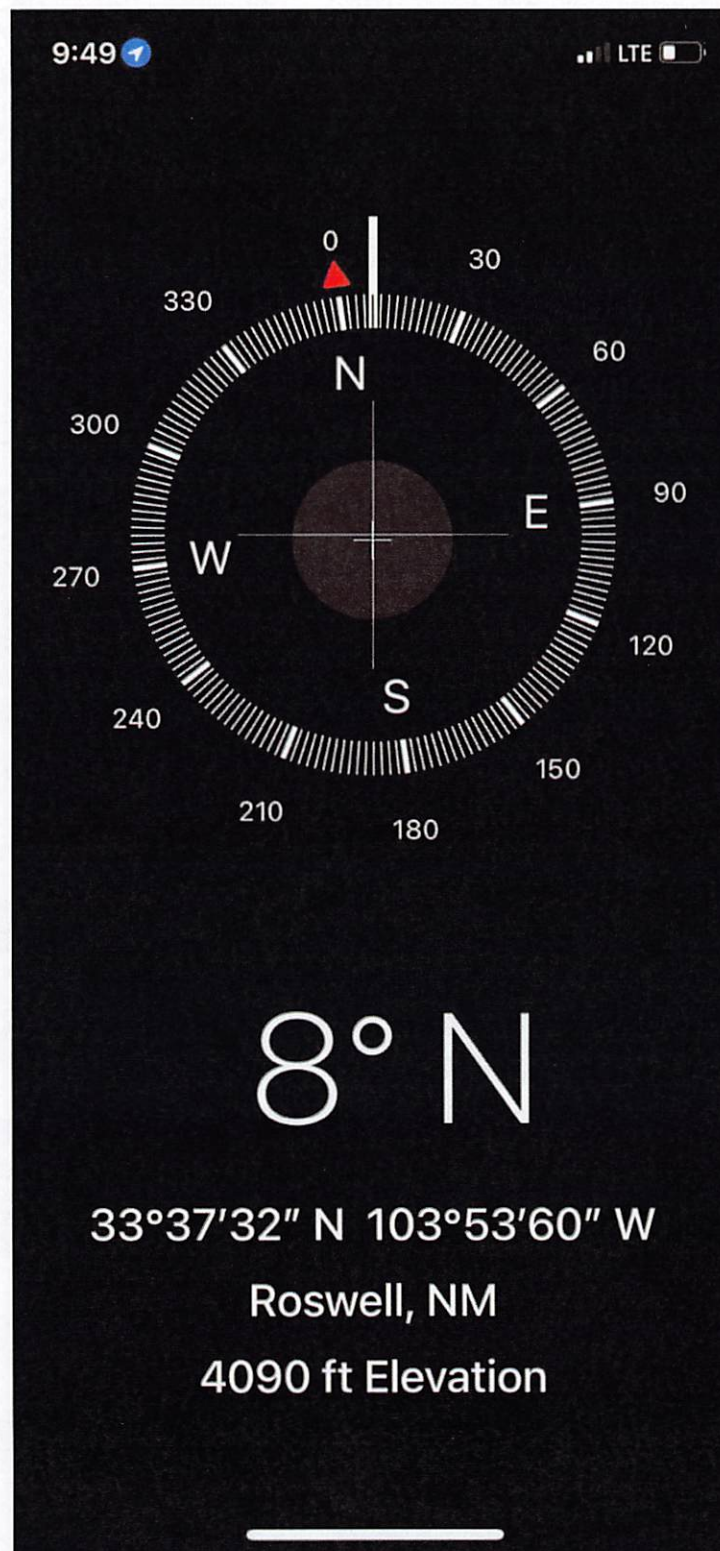
















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**State of New Mexico**  
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**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS  
  
Action 242303

CONDITIONS

Operator: J.A. Drake Well Service Inc. 607 W Pinon Farmington, NM 87401	OGRID: 330485
	Action Number: 242303
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
john.harrison	None	7/20/2023