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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 Resources

Form C-103
Revised July 18, 2013

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

WELL API NO. 30-005-20042
5. Indicate Type of Lease STATE [X] FEE [ ]
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Cato San Andres Unit
8. Well Number 123
9. OGRID Number 330485
10. Pool name or Wildcat Cato; San Andres
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4113

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 [X] 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 N 660 feet from the S line and 1980 feet from the W line
Section 16 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 [ ] 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 [X]
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.

See attached documents.

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 8/20/24

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

Conditions of Approval (if any):

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

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

#### **Cato San Andres Unit #123**

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

Chaves County, NM / API 30-005-20042

#### **Work Summary:**

- 2/26/21** Made NMOCD P&A operations notifications at 12:00 PM MST.
- 3/1/21** MOL and R/U P&A rig. Checked well pressures: Tubing: N/A, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. Leveled out location for P&A rig. N/U BOP and function tested. P/U and M/U mill, drill collars, and work string to a depth of 85' where BHA tagged up. P/U and R/U power swivel. Milled for 30 minutes and broke through tight spot at 85'. Returns at the pit indicated formation was being drilled. TIH with 5 joints to 221' where another tag point was encountered. TOO H and L/D mill. Shut-in well for the day.
- 3/2/21** Checked well pressures: Tubing: N/A, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. P/U and M/U 3-7/8" cone bit, 2 drill collars, and 40 joints of tubing to a depth of 1,277'. At 1,277' a gas pocket was circulated out with 10 bbls of fresh water. Attempted to make progress down hole but tagged up at 1,277'. R/U power swivel. Drilled down 15' and broke through obstruction. P/U 39 additional joints of tubing to a depth of 2,288' where another obstruction was tagged. R/U power swivel. Drilled another 5' and broke through. P/U 20 additional joints of tubing to a depth of 2,976' where another obstruction was tagged. R/U power swivel. Drilled down to 3,008'. Attempted to circulate wellbore clean for an hour. Returns at the pit indicated similar reddish rock formation seen near casing shoe. TOO H with tubing. While TOO H tubing and drilling BHA got stuck at 564'. R/U power swivel. Attempted to pump down casing while working stuck pipe but surface casing pressured up to 900 psi. Successfully pumped down tubing at a rate of 1 bpm at 400 psi.

Unable to work pipe free. R/D power swivel. R/U TIW valve on tubing. Pressured up casing to 900 psi. Pressured up tubing to 400 psi. Shut-in well for the day.

- 3/3/21** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. R/U power swivel. Loaded casing with 1 bbl of fresh water. Successfully established an injection rate down backside at 1.4 bpm at 400 psi but couldn't establish circulation out of tubing. Attempted to work stuck pipe free but was unsuccessful. Successfully established injection rate down tubing at 2.4 bpm at 200 psi and circulation started coming out of casing. R/U well servicing pump to tubing and cement pump to casing. Pumped down tubing and casing at the same time at a rate of 2.4 bpm at 400 psi. Attempted to work stuck pipe free but was unsuccessful. NMOCD approved pumping cement down tubing to accommodate wellbore volume from top perforation depth at 3,325'-600' with 100% excess. R/U cementing services. Pumped plug #1 from 3,325'-600' to cover the San Andres perforations and formation top, Yates and Rustler formation tops. WOC overnight. Shut-in well for the day.
- 3/4/21** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. R/U wireline services. RIH and jet cut tubing at 450' leaving 2 drill collars, and a joint and a half of tubing in wellbore. TOOH and L/D tubing. TIH with tubing to 450'. Kerry Fortner approved pumping surface plug from TOF at 450' to surface. R/U cementing services. Successfully established circulation down tubing around backside of surface casing and back around and out Bradenhead valve at surface. Successfully circulated cement down tubing around backside of surface casing and back around and out Bradenhead valve at surface. L/D remaining tubing. WOC overnight. Dug-out wellhead to be cut-off. Shut-in well for the day.
- 3/5/21** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. Opened up well and had a trickle of water at surface. Cement was at surface in surface casing and production casing. N/D BOP. WOC over the weekend before cutting off wellhead. Shut-in well for the day.
- 3/8/21** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. Cement was at surface in both casing strings. There was a pin sized hole in the 4 ½" production casing tricking water. Gilbert Cordero requested that cement in 4 ½" production casing be drilled out to 400' where a CR will be set to stop water flow. N/U BOP and function tested. R/U power swivel. P/U and M/U bit, bit sub, and one drill collar. Started drilling cement. Drilled cement down to 155'. TOOH. Shut-in well for the day.

- 3/9/21** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. When well was bled down there was still a trickle of water coming from the production casing. P/U casing scraper and round tripped to a depth of 150'. P/U and M/U packer, TIH and set at 125'. Observed casing and it was still trickling water. Moved packer up to 62' and set. Observed well and water was still trickling out of production casing. Set packer at 25' and observed well. Water started trickling out of tubing not casing confirming casing leak is from 62'-25'. Gilbert Cordero approved setting CR at 25' and squeezing cement below CR at 25'. P/U and M/U packer, set packer at 25' and attempted to get an injection rate below packer but wellbore pressured up to 1000 psi. PUH and set packer at 20'. Attempted to get injection rate below packer but had the same result. Pressure tested casing above packer to 500 psi and successfully held pressure. NMOCD requested running a CBL from 155' to surface. R/U wireline services. Ran CBL from 155' to surface. CBL results were sent to NMOCD for review. CBL indicated a small hole in casing between 32'-28'. RIH and perforated squeeze holes at 30'. Attempted to get injection rate into perforations at 30' but wellbore pressured up. NMOCD approved filling production casing with cement and leaving the wellbore under pressure overnight to squeeze cement into perforations. N/D BOP. TIH to 155'. R/U cementing services. Pumped 14 sx of cement and filled up production casing from 155'-surface. Left wellbore under 1000 psi of pressure to squeeze cement into perforations. WOC overnight. Shut-in well for the day.
- 3/12/21** Checked well pressures: Tubing: N/A, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. Used backhoe to dig out wellhead. Performed wellhead cut-off. Cement was at surface in all strings of casing. Installed P&A marker and plate per NMOCD standards. Photographed the P&A marker in place and recorded its location via GPS coordinates. Material Left on location: wellhead.

### **Plug Summary:**

#### **Plug #1: (San Andres Perforations and Formation Top, Yates and Rustler Formation Tops 3,325'-600', 368 Sacks Class C Cement)**

NMOCD approved pumping cement down tubing to accommodate wellbore volume from top perforation depth at 3,325'-600' with 100% excess. R/U cementing services. Pumped plug #1 from 3,325'-600' to cover the San Andres perforations and formation top, Yates and Rustler formation tops. WOC overnight.

#### **Plug #2: (Surface Casing Shoe 450'-Surface, 154 Sacks Class C Cement(Re-Pumped 14 Sacks))**

Kerry Fortner approved pumping surface plug from TOF at 450' to surface. R/U cementing services. Successfully established circulation down tubing around backside of surface casing and back around and out Bradenhead valve at surface. Successfully circulated cement down tubing around backside of surface casing and back around and out Bradenhead valve at surface. L/D remaining tubing. WOC overnight. Cement was at surface in both casing strings. There was a pin sized hole in the 4 ½" production casing tricking water. Gilbert Cordero requested that cement in 4 ½" production casing be drilled out to 400'. Where a CR will be set to stop water flow. N/U BOP and function tested. R/U power swivel. P/U and M/U bit, bit sub, and one drill collar. Started drilling cement. Drilled cement down to 155'. TOOH. Shut-in well for the day. When well was bled down there was still a trickle of water coming from the production casing. P/U casing scraper and round tripped to a depth of 150'. P/U and M/U packer, TIH and set at 125'. Observed casing and it was still trickling water. Moved packer up to 62' and set. Observed well and water was still trickling out of production casing. Set packer at 25' and observed well. Water started trickling out of tubing not casing confirming casing leak is from 62'-25'. Gilbert Cordero approved setting CR at 25' and squeezing cement below CR at 25'. P/U and M/U packer, set packer at 25' and attempted to get an injection rate below packer but wellbore pressured up to 1000 psi. PUH and set packer at 20'. Attempted to get injection rate below packer but had the same result. Pressure tested casing above packer to 500 psi and successfully held pressure. NMOCD requested running a CBL from 155' to surface. R/U wireline services. Ran CBL from 155' to surface. CBL results were sent to NMOCD for review. CBL indicated a small hole in casing between 32'-28'. RIH and perforated squeeze holes at 30'. Attempted to get injection rate into perforations at 30' but wellbore pressured up. NMOCD approved filling production casing with cement and leaving the wellbore under pressure overnight to squeeze cement into perforations. N/D BOP. TIH to 155'. R/U cementing services. Pumped 14 sx of cement and filled up production casing from 155'-surface. Left wellbore under 1000 psi of pressure to squeeze cement into perforations. WOC overnight. Used backhoe to dig out wellhead. Performed wellhead cut-off. Cement was at surface in all strings of casing. Installed P&A marker and plate per NMOCD standards. Photographed the P&A marker in place and recorded its location via GPS coordinates.

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## Wellbore Diagram

Cato San Andres Unit #123  
API #: 30-005-20042  
Chaves County, New Mexico

### Plug 2

450 feet - Surface  
450 feet plug  
154 sacks of Class C Cement  
14 sacks re-pumped

### Plug 1

3325 feet - 600 feet  
2725 feet plug  
368 sacks of Class C Cement

### Surface Casing

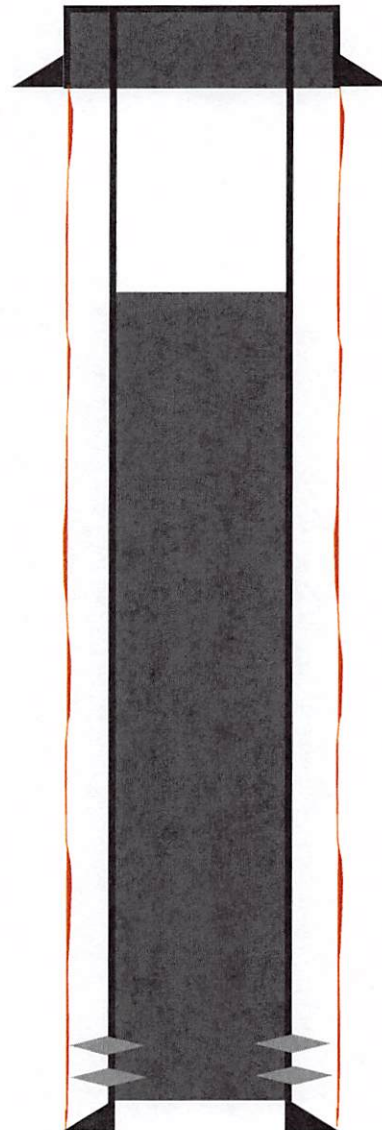
8.625" 20# @ 452 ft

### Formation

Rustler - 1072 ft  
Yates - 1545 ft

### Production Casing

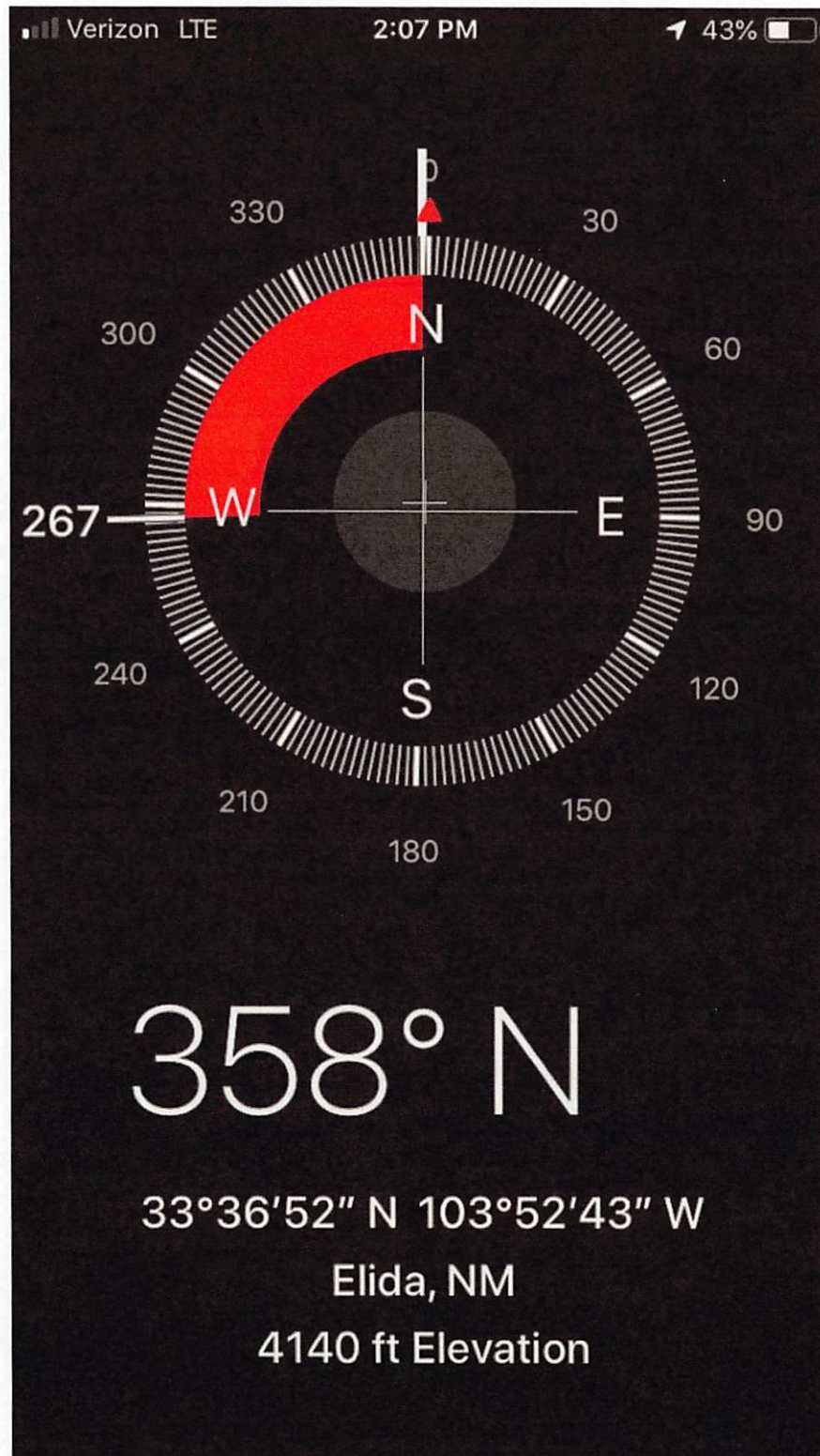
4.5" 9.5# @ 3520 ft











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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 378487

**CONDITIONS**

Operator: CANO PETRO OF NEW MEXICO, INC. 801 Cherry Street Fort Worth, TX 76102	OGRID: 248802
	Action Number: 378487
	Action Type: [C-103] Sub. Plugging (C-103P)

**CONDITIONS**

Created By	Condition	Condition Date
loren.diede	None	8/28/2024