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 87505

State of New Mexico  
 Energy, Minerals and Natural Resources

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. 30-005-10522
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>E</u> <u>1980</u> feet from the <u>N</u> line and <u>660</u> feet from the <u>W</u> line Section <u>10</u> Township <u>08S</u> Range <u>30E</u> NMPM County <u>Chaves</u>		8. Well Number <u>032</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4071		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.

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 5/4/22

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):

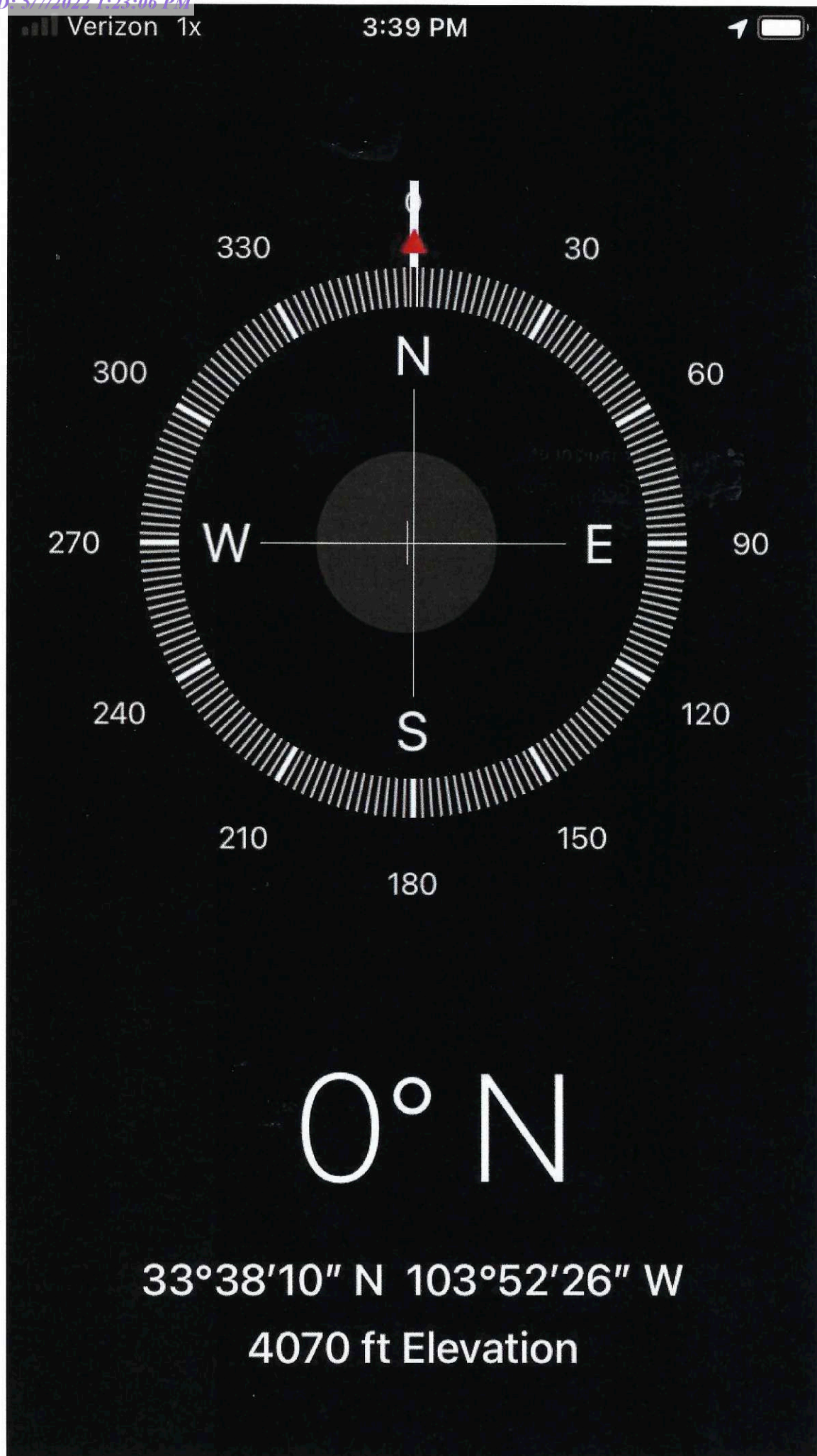












## **Cano Petro Inc./NMOCD OWP**

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

#### **Cato San Andres Unit #032**

1980' FNL & 660' FWL, Section 10, T8S, R30E

Chaves County, NM / API 30-005-10522

#### **Work Summary:**

- 4/19/22** Made NMOCD P&A operations notifications at 9:00 AM MST.
- 4/20/22** Prepped location with backhoe. MOL and R/U P&A rig. Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Secured and shut-in well for the day.
- 4/21/22** 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 133 – ¾" sucker rods, and sucker rod pump. N/D wellhead, N/U BOP and function tested. Worked stuck tubing. Attempted to release tubing anchor but was unsuccessful. Waited on orders from NMOCD on how to proceed. 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 through 2-3/8" tubing with gauge ring to a depth of 3,280'. RIH and jet cut tubing at 3,220'. L/D 103 joints of 2-3/8" tubing. P/U casing scraper and work string and round tripped above fish top to a depth of 3,215'. Worked through tight spots at 50' and 60' TIH and TOOH. NMOCD requested to TIH with mule shoe sub to spot cement. TIH with mule shoe sub to 3,211'. R/U cementing services. Circulated wellbore clean with 60 bbls of fresh water. Pumped plug #1 from 3,211'-2,837' to cover the San Andres perforations and 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. R/U wireline services. RIH to run CBL and tagged up at 490'. Wireline could not make any further progress down wellbore. Attempted to pressure test production casing to 500 psi in which it failed to hold pressure. TIH and tagged plug #1 top at 2,847'. Spotted 9.5 ppg mud spacer from 2,847'-1,595'. L/D tubing up to next plug depth. R/U cementing services. Pumped plug #2 from 1,595'-920' to cover the Yates and Rustler formation tops. L/D tubing up to next plug depth. TOOH with remaining tubing. WOC 4 hours. R/U wireline services. RIH and tagged up at 490'. NMOCD requested to perforate at 485' and attempt to circulate cement to surface. R/U wireline services. RIH and perforated squeeze holes at 485'. Attempted to establish circulation down production casing through perforations at 485' and back around and out Bradenhead valve at surface but was unsuccessful. TIH to tag plug #2 top but tagged up at 464'. Worked tubing but could not make any further progress down wellbore. TOOH with tubing. Secured and shut-in well for the day.
- 4/28/22** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. R/U cementing services. Attempted to establish circulation down production casing through perforations at 485' and back around and out Bradenhead valve at surface but was unsuccessful. Pumped cement down production casing through perforations at 485' in an attempt to circulate to surface. Pumped 136 sx of cement without circulating back to surface. WOC 4 hours. R/U cementing services. Successfully established injection rate into perforations at 485'. Pumped cement down production casing and into perforations at 485'. When pumping cement slips on 4 1/2" production casing started to move. Displaced water to perforations at 485'. Secured and shut-in well for the day.
- 4/29/22** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH and tagged plug #3 top at 467'. Attempted to pressure test production casing in which it failed to hold pressure. L/D work string to surface. R/U wireline services. RIH and perforated squeeze holes at 465'. Attempted to establish injection rate into perforations at 465' but was unsuccessful. RIH and perforated squeeze holes at 408'. Attempted to establish injection rate into perforations at 408' but was unsuccessful. RIH and perforated squeeze holes at 200'. Successfully established circulation down production casing through perforations at 200' and back around and out Bradenhead valve at surface. TIH to 467'. R/U cementing services. Pumped surface plug from 467' to perforations at 200' and successfully circulated cement through perforations at 200' and back around and out Bradenhead valve at surface. N/D BOP, N/U wellhead. Secured and shut-in well for the day.

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. Cement was at surface in 8-5/8" surface casing annulus. Ran weighted tally tape down 4 1/2" production casing and tagged cement 20' down. Ran 3/4" poly pipe down 4 1/2" production casing. R/U cementing services. Topped-off well with 6 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 3,211'-2,847', 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'-920', 45 Sacks Type III Cement)**

Mixed 45 sx Type III cement and spotted a balanced plug to cover the Yates and Rustler formation tops.

**Plug #3: (Surface Casing Shoe 485'-Surface, 246 Sacks Type III Cement(6 sx for Top-off))**

RIH and tagged up at 490'. NMOCD requested to perforate at 485' and attempt to circulate cement to surface. R/U wireline services. RIH and perforated squeeze holes at 485'. Attempted to establish circulation down production casing through perforations at 485' and back around and out Bradenhead valve at surface but was unsuccessful. TIH to tag plug #2 top but tagged up at 464'. Worked tubing but could not make any further progress down wellbore. TOO H with tubing. R/U cementing services. Attempted to establish circulation down production casing through perforations at 485' and back around and out Bradenhead valve at surface but was unsuccessful. Pumped cement down production casing through perforations at 485' in an attempt to circulate to surface. Pumped 136 sx of cement without circulating back to surface. WOC 4 hours. R/U cementing services. Successfully established injection rate into perforations at 485'. Pumped cement down production casing and into perforations at 485'. When pumping cement slips on 4 1/2" production casing started to move. Displaced water to perforations at 485'. TIH and tagged plug #3 top at 467'. Attempted to pressure test production casing in which it failed to hold pressure. L/D work string to surface. R/U wireline services. RIH and perforated squeeze holes at 465'. Attempted to establish injection rate into perforations at 465'.



but was unsuccessful. RIH and perforated squeeze holes at 408'. Attempted to establish injection rate into perforations at 408' but was unsuccessful. RIH and perforated squeeze holes at 200'. Successfully established circulation down production casing through perforations at 200' and back around and out Bradenhead valve at surface. TIH to 467'. R/U cementing services. Pumped surface plug from 467' to perforations at 200' and successfully circulated cement through perforations at 200' and back around and out Bradenhead valve at surface. N/D BOP, N/U wellhead. Dug out wellhead with backhoe. Performed wellhead cut-off. Cement was at surface in 8-5/8" surface casing annulus. Ran weighted tally tape down 4 1/2" production casing and tagged cement 20' down. Ran 3/4" poly pipe down 4 1/2" production casing. R/U cementing services. Topped-off well with 6 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.



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## End of Well Wellbore Diagram

Cato San Andres Unit #032

API #: 30-005-10522

Chaves County, New Mexico

### Plug 3

485 feet - Surface

485 feet plug

246 sacks of Type III Cement

6 sks of Type III Top off

### Plug 2

1595 feet - 920 feet

675 feet plug

45 sacks of Type III Cement

### Plug 1

3211 feet - 2847 feet

364 feet plug

25 sacks of Type III Cement

### Perforations

✓ 3261 feet - 3288 feet

3331 feet - 3336 feet

3342 feet - 3346 feet

3353 feet - 3380 feet

### Surface Casing

8.625" 24# @ 458 ft

### Formation

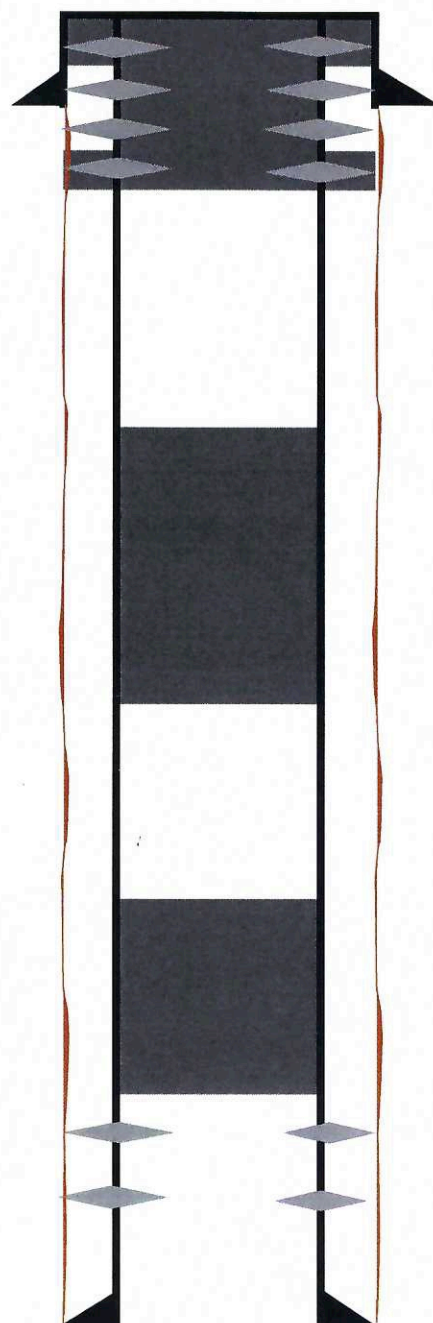
Rustler - 1072 ft

Yates - 1545 ft

San Andres - 3211 ft

### Production Casing

4.5" 9.5# @ 3410 ft



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CONDITIONS  
  
Action 105041

CONDITIONS

Operator: J.A. Drake Well Service Inc. 607 W Pinon Farmington, NM 87401	OGRID: 330485
	Action Number: 105041
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

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