

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

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

Form C-103  
 Revised July 18, 2013

<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. 30-005-27984
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 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>  M  </u> <u>  1205  </u> feet from the <u>  S  </u> line and <u>  1312  </u> feet from the <u>  W  </u> line Section <u>  11  </u> Township <u>  08S  </u> Range <u>  30E  </u> NMPM County <u>  Chaves  </u>		8. Well Number <u>  545  </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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input checked="" 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 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 plans to plug this well in accordance with the attached procedure and any agreed modifications there to.

**APPROVED**

Spud Date:

Rig Release Date:

Notify OCD 24 hrs. prior to any work done

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 3/14/23  
 Type or print name Ethan Wakefield E-mail address: [e.wakefield@dwsrigns.com](mailto:e.wakefield@dwsrigns.com) PHONE: 405 343 7736  
**For State Use Only**

APPROVED BY: [Signature] TITLE Petroleum Specialist DATE 4/21/23  
 Conditions of Approval (if any):

## **Cano Petro**

### **Plug And Abandonment Procedure**

#### **Cato San Andres #545**

**1205' FSL & 1312' FWL, Section 11, 8S, 30E**

**Chaves County, NM / API 30-005-27984**

1. Hold pre-job safety meeting. Comply with all NMOCD, BLM safety and environmental regulations. Test rig anchors prior to moving in rig if not rigged to base beam.
2. Check casing, tubing, and Bradenhead pressures.
3. Remove existing piping on casing valve. RU blow lines from casing valves and begin blowing down casing pressure. Kill well as necessary. Ensure well is dead or on a vacuum.
4. ND wellhead and NU BOP. Function test BOP.
5. P/U 5-1/2" bit or casing scraper on 2-3/8" work string and round trip as deep as possible above top perforation at 3,440'.
6. P/U 5-1/2" CR, TIH and set CR at +/- 3,390'. Pressure test tubing to 1000 psi. Sting out of CR. Load hole, and pressure test casing to 800 psi. If casing does not test, then spot or tag subsequent plugs as appropriate. POOH w/ tubing.
7. RU wireline and run CBL with 500 psi on casing from CR at 3,390' to surface to identify TOC. Adjust plugs as necessary for new TOC. Email log copy to

Brandon Powell at [Brandon.powell@state.nm.us](mailto:Brandon.powell@state.nm.us) upon completions of logging operations.

8. Rig up to pump cement down tubing. Pump water to establish rate down tubing.
9. Circulate wellbore with 9.5 ppg salt gel.

**NOTE: All Plugs Include 100% excess outside casing and 50% Excess inside casing**

10. Plug 1 (**San Andres Perforations and formation top 3,390'-2,650', 73 Sacks Type I/II Cement**)

Mix 73 sx Type I/II cement and spot a balanced plug inside casing to cover the San Andres perforations and formation top.

11. Plug 2 (**Grayburg Formation Top 2,390'-2,170', 25 Sacks Type I/II Cement**)

Mix 25 sx Type I/II cement and spot a balanced plug inside casing to cover the Grayburg formation top.

12. Plug 3 (**Seven Rivers, Yates, and Tansill formation Tops 1,761'-1,373', 44 Sacks Type I/II Cement**)

Mix 44 sx Type I/II cement and spot a balanced plug inside casing to cover the Seven Rivers, Yates, and Tansill formation tops.

13. Plug 4 (**Rustler formation Top 1,177'-957', 25 Sacks Type I/II Cement**)

Mix 25 sx Type I/II cement and spot a balanced plug inside casing to cover the Rustler formation top.

14. Plug 5 (**Surface Casing Shoe, 556'-Surface, 169 Sacks Type I/II Cement**)

Attempt to pressure test the bradenhead annulus to 300 psi; note the volume to load. If BH annulus holds pressure, then establish circulation out casing

valve with water. Mix approximately 169 sx cement and spot a balanced plug from 556' to surface, circulate good cement out of casing valve. TOH and LD tubing. Shut well in and WOC. If BH annulus does not test, then perforate at the appropriate depth and attempt to circulate cement to surface filling the casing from 556' and the annulus from the squeeze holes to surface. Shut in well and WOC.

15. ND cementing valves and cut off wellhead. Fill annuli with cement as necessary. Install P&A marker to comply with regulations. Record GPS coordinate for P&A marker on tower report. Photograph P&A marker in place. RD, MOL and restore location per BLM stipulations.

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## Existing Wellbore Diagram

Cano Petro Of New Mexico  
Cato San Andres #545  
API: 30-005-27984  
Chaves County, New Mexico

### Surface Casing

8.625" 24# @ 506 ft  
OH: 12.25"

### Formation

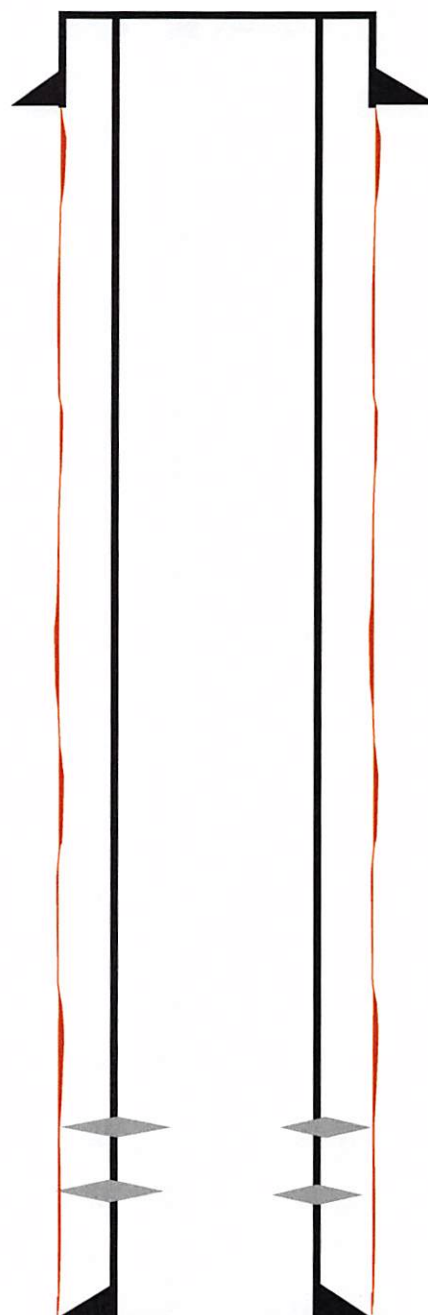
Rustler - 1127'  
Transill - 1473'  
Yates - 1615'  
Seven Rivers - 1711'  
Grayburg - 2340'  
San Andres - 2750'

### Perforations

3440 feet - 3628 feet

### Production Casing

5.5" 15.5# @ 3989 feet  
OH: 7.875"





## Proposed Wellbore Diagram

Cano Petro Of New Mexico  
Cato San Andres #545  
API: 30-005-27984  
Chaves County, New Mexico

### Plug 5

556 feet - surface  
556 foot plug  
169 Sacks of Type I/II Cement

### Plug 4

1177 feet - 957 feet  
220 foot plug  
25 Sacks of Type I/II Cement

### Plug 3

1761 feet - 1373 feet  
388 foot plug  
44 Sacks of Type I/II Cement

### Plug 2

2390 feet - 2170 feet  
220 foot plug  
25 Sacks of Type I/II Cement

### Plug 1

3390 feet - 2650 feet  
640 foot plug  
73 sacks of Type I/II Cement

### Perforations

3440 feet - 3628 feet

### Surface Casing

8.625" 24# @ 506 ft  
OH: 12.25"

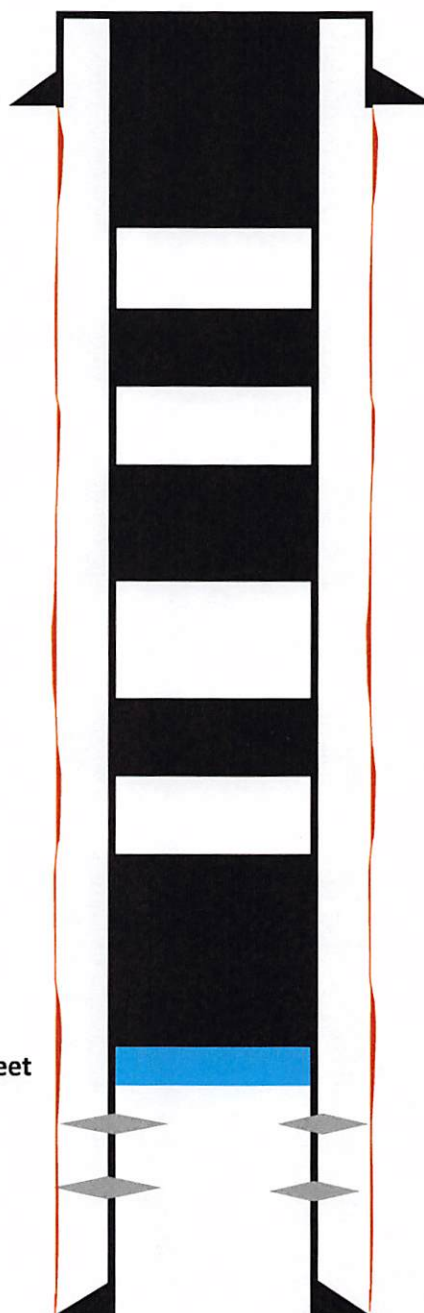
### Formation

Rustler - 1127'  
Tansill - 1473'  
Yates - 1615'  
Seven Rivers - 1711'  
Grayburg - 2340'  
San Andres - 2750'

Retainer @ 3390 feet

### Production Casing

5.5" 15.5# @ 3989 feet  
OH: 7.875"



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**Santa Fe, NM 87505**

CONDITIONS

Action 203635

CONDITIONS

Operator: J.A. Drake Well Service Inc. 607 W Pinon Farmington, NM 87401	OGRID: 330485
	Action Number: 203635
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
john.harrison	None	4/21/2023