

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

Form C-103
 Revised July 18, 2013

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

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.)		WELL API NO. 30-005-27983
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>I</u> <u>2538</u> feet from the <u>S</u> line and <u>1296</u> feet from the <u>E</u> line Section <u>11</u> Township <u>08S</u> Range <u>30E</u> NMPM County <u>Chaves</u>		8. Well Number <u>535</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:

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 ☐
 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.

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 3/16/23

Type or print name Ethan Wakefield

E-mail address: 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 #535

2538' FSL & 1296' FEL, Section 11, 8S, 30E

Chaves County, NM / API 30-005-27983

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 3,498'.
6. P/U 5-1/2" CR, TIH and set CR at +/- 3,448'. 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 3,448' to surface to identify TOC. Adjust plugs as necessary for new TOC. Email log copy to

Brandon Powell at 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 (Perforations 3,448'-3,228', 25 Sacks Type I/II Cement)

Mix 25 sx Type I/II cement and spot a balanced plug inside casing to cover the San Andres perforations.

11. Plug 2 (San Andres formation top 2,838'-2,618', 25 Sacks Type I/II Cement)

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

12. Plug 3 (Grayburg Formation Top 2,432'-2,212', 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.

13. Plug 4 (Seven rivers and Tansill formation Tops 1,737'-1,400', 39 Sacks Type I/II Cement)

Mix 39 sx Type I/II cement and spot a balanced plug inside casing to cover the Seven Rivers and Tansill formation tops.

14. Plug 5 (Rustler formation Top 1,165'-945', 25 Sacks Type I/II Cement)

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

15. Plug (Surface Casing Shoe, 570'-Surface, 173 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 173 sx cement and spot a balanced plug from 570' 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 570' and the annulus from the squeeze holes to surface. Shut in well and WOC.

16. 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.

Existing Wellbore Diagram

Cano Petro Of New Mexico

Cato San Andres #535

API: 30-005-27983

Chaves County, New Mexico

Surface Casing

8.625" 24# @ 520 ft

OH: 12.25"

Formation

Rustler - 1118 feet

Tansill - 1500 feet

Seven Rivers - 1687 feet

Grayburg - 2382 feet

San Andres - 2788 feet

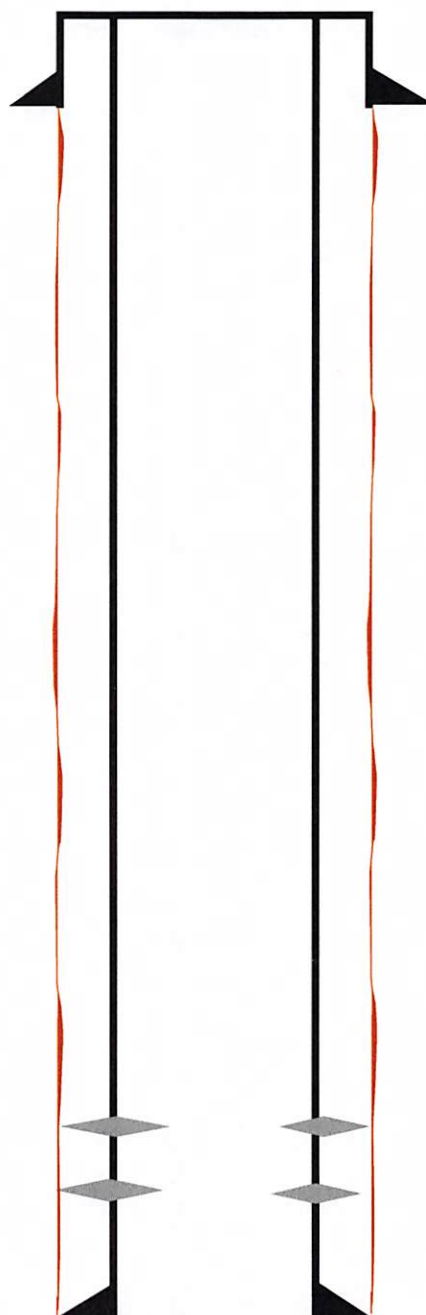
Perforations

3498 feet - 3680 feet

Production Casing

5.5" 15.5# @ 4020 feet

OH: 7.875"



Proposed Wellbore Diagram

Cano Petro Of New Mexico
Cato San Andres #535
API: 30-005-27983
Chaves County, New Mexico

Plug 6

570 feet - surface
570 foot plug
173 Sacks of Type I/II Cement

Plug 5

1165 feet - 945 feet
220 foot plug
25 Sacks of Type I/II Cement

Plug 4

1737 feet - 1400 feet
337 foot plug
39 Sacks of Type I/II Cement

Plug 3

2432 feet - 2212 feet
220 foot plug
25 Sacks of Type I/II Cement

Plug 2

2838 feet - 2618 feet
220 foot plug
25 sacks of Type I/II Cement

Plug 1

3448 feet - 3228 feet
220 foot plug
25 sacks of Type I/II Cement

Perforations

3498 feet - 3680 feet

Surface Casing

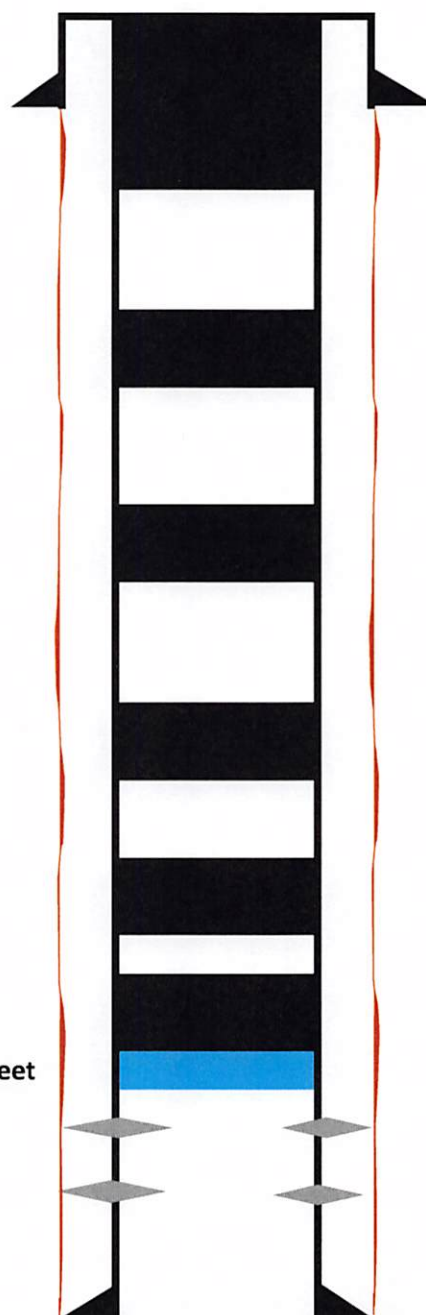
8.625" 24# @ 520ft
OH: 12.25"

Formation

Rustler - 1118 feet
Tansill - 1500 feet
Seven Rivers - 1687 feet
Grayburg - 2382 feet
San Andres - 2788 feet

Retainer @ 3448 feet

Production Casing
5.5" 15.5# @ 4020 feet
OH: 7.875"



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Phone:(505) 476-3470 Fax:(505) 476-3462

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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 203643

CONDITIONS

Operator: J.A. Drake Well Service Inc. 607 W Pinon Farmington, NM 87401	OGRID: 330485
	Action Number: 203643
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

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