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

WELL API NO. 30-005-27986

5. Indicate Type of Lease STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

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.)

7. Lease Name or Unit Agreement Name: Cato San Andres

1. Type of Well: Oil Well ☒ Gas Well ☐ Other

8. Well Number 544

2. Name of Operator: Cano Petro on NM. INC

9. OGRID Number 248802

3. Address of Operator: 801 Cherry Street Unit 25 Suite 3200 Fort Worth, Texas 76102

10. Pool name or Wildcat: Cato; San Andres

4. Well Location
Unit Letter M 1307 feet from the S line and 10 feet from the W line
Section 11 Township 08S Range 30E NMPM County Chaves

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☒	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☐						
OTHER:	☐			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

Notify OCD 24 hrs. prior to any work done

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 [signature] TITLE Authorized Representative DATE 3/14/23

Type or print name Ethan Wakefield E-mail address: e.wakefield@dwsrigs.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 #544

1307' FSL & 10' FWL, Section 11, 8S, 30E

Chaves County, NM / API 30-005-27986

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 3,410'.

6. P/U 5-1/2" CR, TIH and set CR at +/- 3,360'. 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 3,360' 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 **(San Andres Perforations 3,360'-3,140', 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 2,750'-2,530', 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 2,348'-2,128', 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, Yates, and Tansill formation Tops 1,692'-1,358', 38 Sacks Type I/II Cement)**

    Mix 38 sx Type I/II cement and spot a balanced plug inside casing to cover the Seven Rivers, Yates, and Tansill formation tops.

14. Plug 5 **(Rustler formation Top 1,180'-960', 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.

15. Plug 6 **(Surface Casing Shoe, 577'-Surface, 175 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 175 sx cement and spot a balanced plug from 577' 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 577' 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

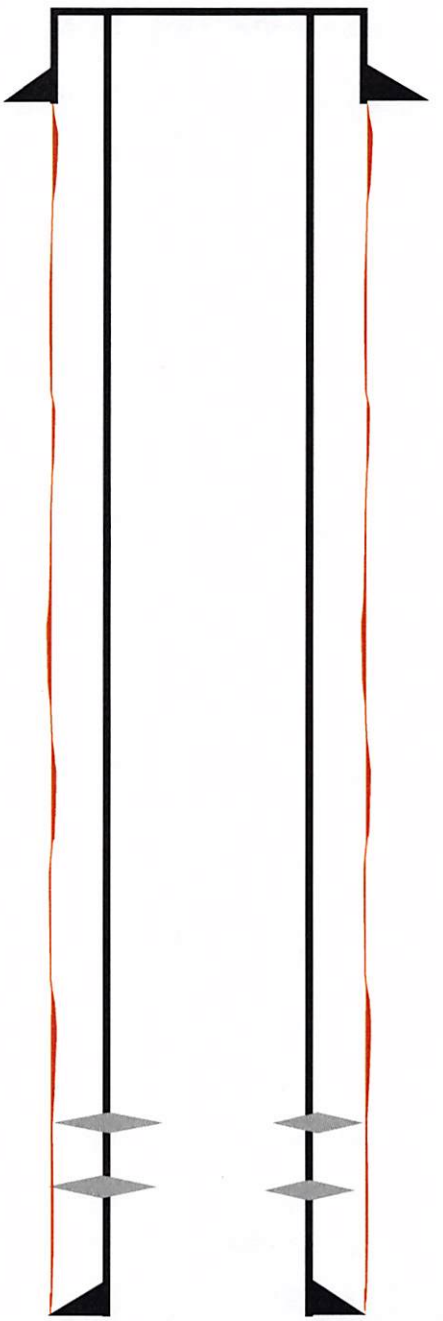
Cano Petro Of New Mexico
Cato San Andres #544
API: 30-005-27986
Chaves County, New Mexico

Surface Casing

8.625" 24# @ 527 ft
OH: 12.25"

Formation

Rustler - 1130'
Tansill - 1458'
Yates - 1548'
Seven Rivers - 1642'
Grayburg - 2298'
San Andres - 2700'



Perforations

3410 feet - 3586 feet

Production Casing

5.5" 15.5# @ 3940 feet
OH: 7.875"

Proposed Wellbore Diagram

Cano Petro Of New Mexico
Cato San Andres #544
API: 30-005-27986
Chaves County, New Mexico

Plug 6
577 feet - surface
577 foot plug
175 Sacks of Type I/II Cement

Plug 5
1180 feet - 960 feet
220 foot plug
25 Sacks of Type I/II Cement

Plug 4
1692 feet - 1358 feet
334 foot plug
38 Sacks of Type I/II Cement

Plug 3
2348 feet - 2128 feet
220 foot plug
25 Sacks of Type I/II Cement

Plug 2
2750 feet - 2530 feet
220 foot plug
25 sacks of Type I/II Cement

Plug 1
3360 feet - 3140 feet
220 foot plug
25 sacks of Type I/II Cement

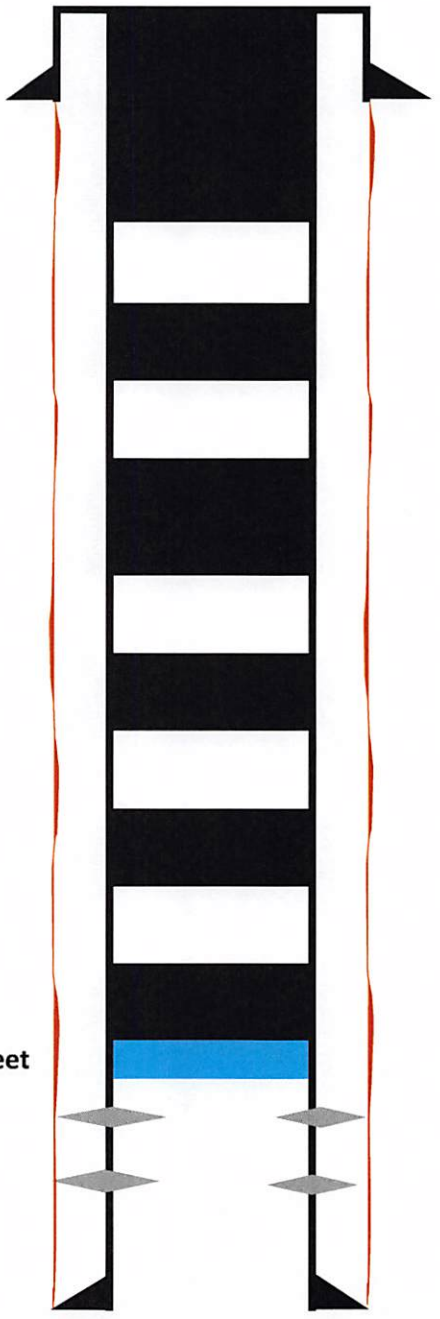
Perforations
3410 feet - 3586 feet

Surface Casing
8.625" 24# @ 527 ft
OH: 12.25"

Formation
Rustler - 1130'
Tansill - 1458'
Yates - 1548'
Seven Rivers - 1642'
Grayburg - 2298'
San Andres - 2700'

Retainer @ 3360 feet

Production Casing
5.5" 15.5# @ 3940 feet
OH: 7.875"



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Santa Fe, NM 87505

CONDITIONS

Action 203639

CONDITIONS

Operator: J.A. Drake Well Service Inc. 607 W Pinon Farmington, NM 87401	OGRID: 330485
	Action Number: 203639
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

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