

Submit a 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. 30-005-27985
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>K</u> 1980 feet from the <u>S</u> line and 1930 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>533</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 _____ TITLE Authorized Representative _____ DATE 3/14/23

Type or print name Ethan Wakefield _____ E-mail address: e.wakefield@dwsrigns.com _____ PHONE: 405 343 7736

For State Use Only

APPROVED BY:  TITLE _____ DATE _____
 Conditions of Approval (if any): _____

Cano Petro

Plug And Abandonment Procedure

Cato San Andres #533

1980' FSL & 1930' FWL, Section 11, 8S, 30E

Chaves County, NM / API 30-005-27985

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 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 3,390'-3,170', 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 2,800'-2,580', 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 (**Queen Formation Top 2,396'-2,176', 25 Sacks Type I/II Cement**)

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

13. Plug 4 (**Seven Rivers and Yates formation Tops 1,793'-1,439', 41 Sacks Type I/II Cement**)

Mix 41 sx Type I/II cement and spot a balanced plug inside casing to cover the Seven Rivers and Yates formation tops.

14. Plug 5 (**Salt formation Top 1,157'-937', 25 Sacks Type I/II Cement**)

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

15. Plug 6 (Surface Casing Shoe, 575'-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 575' 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 575' 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 #533
API: 30-005-27985
Chaves County, New Mexico

Surface Casing

8.625" 24# @ 525 ft
OH: 12.25"

Formation

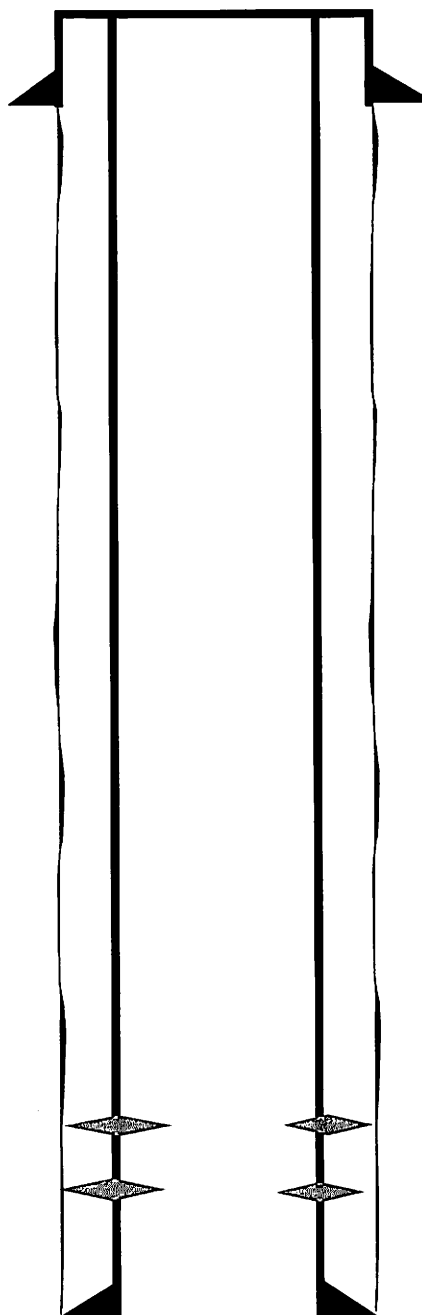
Salt - 1107'
Yates - 1539'
Seven Rivers - 1743'
Queen - 2246'
San Andres - 2750'

Perforations

3440 feet - 3634 feet

Production Casing

5.5" 15.5# @ 4005 feet
OH: 7.875"



Proposed Wellbore Diagram

Cano Petro Of New Mexico
Cato San Andres #533
API: 30-005-27985
Chaves County, New Mexico

Plug 6

575 feet - surface
575 foot plug
175 Sacks of Type I/II Cement

Plug 5

1157 feet - 937 feet
220 foot plug
25 Sacks of Type I/II Cement

Plug 4

1793 feet - 1439 feet
354 foot plug
41 Sacks of Type I/II Cement

Plug 3

2396 feet - 2176 feet
256 foot plug
25 Sacks of Type I/II Cement

Plug 2

2800 feet - 2580 feet
220 foot plug
25 sacks of Type I/II Cement

Plug 1

3390 feet - 3170 feet
220 foot plug
25 sacks of Type I/II Cement

Perforations

3440 feet - 3634 feet

Surface Casing

8.625" 24# @ 525 ft
OH: 12.25"

Formation

Salt - 1107'
Yates - 1539'
Seven Rivers - 1743'
Queen - 2246'
San Andres - 2750'

Retainer @ 3390 feet

Production Casing

5.5" 15.5# @ 4005 feet
OH: 7.875"



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CONDITIONS

Action 203645

CONDITIONS

Operator: J.A. Drake Well Service Inc. 607 W Pinon Farmington, NM 87401	OGRID: 330485
	Action Number: 203645
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

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