

Submit One Copy To Appropriate District
Office

District I

1625 N. French Dr., Hobbs, NM 88240

District II

811 S. First St., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

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 November 3, 2011

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. 30-005-20010
1. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		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>1980</u> feet from the <u>S</u> line and <u>660</u> feet from the <u>E</u> line Section <u>17</u> Township <u>08S</u> Range <u>30E</u> NMPM <u> </u> County <u>Chaves</u>		8. Well Number <u>101</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 ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
 COMMENCE DRILLING OPNS. ☐ P AND A ☒
 CASING/CEMENT JOB ☐

OTHER: ☐

☒ Location is ready for OCD inspection after P&A

- ☒ All pits have been remediated in compliance with OCD rules and the terms of the Operator's pit permit and closure plan.
☒ Rat hole and cellar have been filled and leveled. Cathodic protection holes have been properly abandoned.
☒ A steel marker at least 4" in diameter and at least 4' above ground level has been set in concrete. It shows the

**OPERATOR NAME, LEASE NAME, WELL NUMBER, API NUMBER, QUARTER/QUARTER LOCATION OR
 UNIT LETTER, SECTION, TOWNSHIP, AND RANGE. ALL INFORMATION HAS BEEN WELDED OR
 PERMANENTLY STAMPED ON THE MARKER'S SURFACE.**

- ☐ The location has been leveled as nearly as possible to original ground contour and has been cleared of all junk, trash, flow lines and other production equipment.
☐ Anchors, dead men, tie downs and risers have been cut off at least two feet below ground level.
☐ If this is a one-well lease or last remaining well on lease, the battery and pit location(s) have been remediated in compliance with OCD rules and the terms of the Operator's pit permit and closure plan. All flow lines, production equipment and junk have been removed from lease and well location.
☐ All metal bolts and other materials have been removed. Portable bases have been removed. (Poured onsite concrete bases do not have to be removed.)
☐ All other environmental concerns have been addressed as per OCD rules.
☐ Pipelines and flow lines have been abandoned in accordance with 19.15.35.10 NMAC. All fluids have been removed from non-retrieved flow lines and pipelines.
☐ If this is a one-well lease or last remaining well on lease: all electrical service poles and lines have been removed from lease and well location, except for utility's distribution infrastructure.

When all work has been completed, return this form to the appropriate District office to schedule an inspection.

SIGNATURE Ethan Wakefield TITLE Authorized Representative

DATE 6/30/23

TYPE OR PRINT NAME Ethan Wakefield

E-MAIL: e.wakefield@dwsrign.com

PHONE (405) 343-7736

For State Use Only

APPROVED BY: John Harrison
 Released to Imaging: 7/20/2023 3:36:47 PM

TITLE Petroleum Specialist

DATE 7/19/23

Cano Petro

Plug And Abandonment End Of Well Report

Cato San Andres #101

1980' FSL & 660' FEL, Section 17, 08S, 30E

Chaves County, NM / API 30-005-20010

Work Summary:

- 6/13/23** Made BLM and NMOCD P&A operations notifications at 9:00 AM MST.
- 6/14/23** Arrived on location. Held safety meeting on CSA #100. Moved to CAS #101. Prepared location using backhoe. Spot in equipment and unit. Removed horses head. Worked stuck rod string. L/D polished rod, and 20 - 7/8" stick rods. Shut in and secured well and equipment.
- 6/15/23** Arrived on location and held safety meeting. Checked well pressures. Tubing: 0 psi, Casing: 0 psi Bradenhead: 0 psi. Continued to L/D rods. L/D 105 - 3/4" stick rods and rod pump. ND WH. Wellhead was broken on casing. Waited on welder. Welded WH back onto casing. NU BOP, RU floor. Work tubing string. L/D 100 - 2 3/8" joints, tubing anchor, SN, bull plug, and perforated sub. Secured and shut in well.
- 6/20/23** Arrived on location and held safety meeting. Checked well pressures. Tubing: 0 psi, Casing: 0 psi Bradenhead: 0 psi. Bleed down well. P/U casing scraper. TIH with scraper to 3240'. TOOH. P/U CR. TIH and set CR at 3230'. Attempted to pressure test casing, but test failed. TOOH. R/U wireline services. TIH and logged well. POOH. TIH with tubing. R/U cementing services. Pumped plug #1 from 3230' to 2460'. WOC overnight.
- 6/21/23** Arrived on location and held safety meeting. Checked well pressures. Tubing: 0 psi, Casing: 0 psi Bradenhead: 0 psi. Bleed down well. TIH and tagged plug #1 at 2450'. R/U cementing services. Pumped mud/gel spacer from 2450' to 2150'. Attempted to pressure teste

casing but was unsuccessful. TOOH. R/U wireline services. RIH and perforated at 2150'. P/U packer. TIH to 1729'. Attempted to set packer but packer would not set. TOOH. P/U new packer. TIH to 1729' and set packer. Unable to establish an injection rate, casing pressured up to 500 psi. TOOH. L/D packer. TIH to 2214'. R/U cementing services. Pumped plug #2 from 2214' to 1827' with 31 sx. TOOH. WOC overnight.

6/22/23 Arrived on location and held safety meeting. Checked well pressures. Tubing: 0 psi, Casing: 0 psi Bradenhead: 0 psi. Bleed down well. TIH and tag plug #2 at 1780'. Attempted to pressure test casing but test failed. R/U cementing services. Pumped mud/gel spacer from 1780' to 1480'. TOOH. R/U wireline services. RIH and perforated at 1480'. P/U packer. TIH and set packer at 1057. Attempted to establish an injection rate but casing pressured up. TOOH. L/D packer. TIH to 1530'. R/U cementing services. Pumped plug #3 from 1530' to 1157'. TOOH. WOC 4 hours. TIH and tag plug #3 at 1100'. Attempted to pressure test casing but test failed. R/U cementing services. Pumped mud/gel spacer from 1100' to 1040'. TOOH. R/U wireline services. RIH and perforated at 1040'. POOH. P/U packer. TIH and set packer. Again, was unable to establish an injection rate into perforations. TOOH. L/D packer. TIH to 1092'. R/U cementing services. Pumped plug #4 from 1092' to 717'. TOOH. WOC overnight. Shut in and secured well.

6/23/23 Arrived on location and held safety meeting. Checked well pressures. Tubing: 0 psi, Casing: 0 psi Bradenhead: 0 psi. Bleed down well. TIH and tagged plug #4 at 1046'. R/U cementing services. Continued pumping plug #4 from 1046' to 717'. TOOH. WOC. TIH and tag at 710'. Attempted to pressure test casing, but test failed. TOOH. R/U wireline services. RIH and perforated at 505'. POOH. P/U packer. TIH and set at 492'. Successfully pressure tested casing above packer. TOOH. L/D packer. Pumped cement down 4.5" casing into perforations. Lost circulation and displaced into perforations. WOC overnight.

6/24/23 Arrived on location and held safety meeting. Checked well pressures. Tubing: 0 psi, Casing: 0 psi Bradenhead: 0 psi. Bleed down well. R/U cementing services to BH valve. BH valve pressured up instantly. TIH and tagged plug 5 at 363'. R/U cementing services. Continued pumping plug #5 from 363' to surface. R/D all equipment and prepare to MOL.

6/29/23 Arrived on location and held safety meeting. Used backhoe to safely expose wellhead. Set up welding unit on location. Performed wellhead cutoff. Removed old wellhead. Tagged cement at 25' inside,

cement was to surface outside. Filled casing to surface with 3 sacks. Welder attached marker per NMOCD regulations.

Plug Summary:

Plug #1: (San Andres Perforations and Formation Top, 3,230'-2,450', 60 Sacks Type I/II Cement)

P/U CR. TIH and set CR at 3230'. Attempted to pressure test casing, but test failed. TOOH. R/U wireline services. TIH and logged well. POOH. TIH with tubing. R/U cementing services. Pumped plug #1 from 3230' to 2460'. TIH and tagged plug #1 at 2450'.

Plug #2: (Queen Formation Top 2,214 -1,780', 31 Sacks Type I/II Cement)

R/U wireline services. RIH and perforated at 2150'. P/U packer. TIH to 1729'. Attempted to set packer but packer would not set. TOOH. P/U new packer. TIH to 1729' and set packer. Unable to establish an injection rate, casing pressured up to 500 psi. TOOH. L/D packer. TIH to 2214'. R/U cementing services. Pumped plug #2 from 2214' to 1827' with 31 sx. TOOH. WOC overnight. . TIH and tag plug #2 at 1780'.

Plug #3: (Yates Formation Top 1,560 -1,100', 30 Sacks Type I/II Cement)

R/U wireline services. RIH and perforated at 1480'. P/U packer. TIH and set packer at 1057. Attempted to establish an injection rate but casing pressured up. TOOH. L/D packer. TIH to 1530'. R/U cementing services. Pumped plug #3 from 1530' to 1157'. TOOH. WOC 4 hours. TIH and tag plug #3 at 1100'.

Plug #4: (Anhy Formation Top, 1,092' to 710', 54 Sacks Type I/II Cement)

R/U wireline services. RIH and perforated at 1040'. POOH. P/U packer. TIH and set packer. Was unable to establish an injection rate into perforations. TOOH. L/D packer. TIH to 1092'. R/U cementing services. Pumped plug #4 from 1092' to 717'. TOOH. WOC overnight. TIH and tagged plug #4 at 1046'. R/U cementing services. Continued pumping plug #4 from 1046' to 717'. TOOH. WOC. TIH and tag at 710'.

Plug #5: (Surface Casing Shoe, 505' to Surface', 232 Sacks Type I/II Cement (3 sx for top off))

R/U wireline services. RIH and perforated at 505'. POOH. P/U packer. TIH and set at 492'. Successfully pressure tested casing

above packer. T00H. L/D packer. Pumped cement down 4.5" casing into perforations. Lost circulation and displaced into perforations. WOC overnight. R/U cementing services. BH valve pressured up instantly. TIH and tagged plug 5 at 363'. R/U cementing services. Continued pumping plug #5 from 363' to surface. Performed wellhead cutoff. Removed old wellhead. Tagged cement at 25' inside, cement was to surface outside. Filled casing to surface with 3 sacks. Welder attached marker per NMOCD regulations.

Completed Wellbore Diagram

Cano Petro Of New Mexico
Cato San Andres #101
API: 30-005-20010
Chaves County, New Mexico

Surface Casing

8.625" 24# @ 455 ft
OH: 12.25"

Plug 5

505 feet - Surface
505 foot plug
232 Sacks of Type I/II Cement

Plug 4

1092 feet - 710 feet
382 foot plug
54 Sacks of Type I/II Cement

Plug 3

1560 feet - 1100 feet
460 foot plug
30 Sacks of Type I/II Cement

Plug 2

2214 feet - 1780 feet
434 foot plug
31 Sacks of Type I/II Cement

Plug 1

3230 feet - 2450 feet
780 foot plug
60 sacks of Type I/II Cement

Formation

Anhy - 990'
Yates - 1430'
Queen - 2100'
San Andres - 2560'

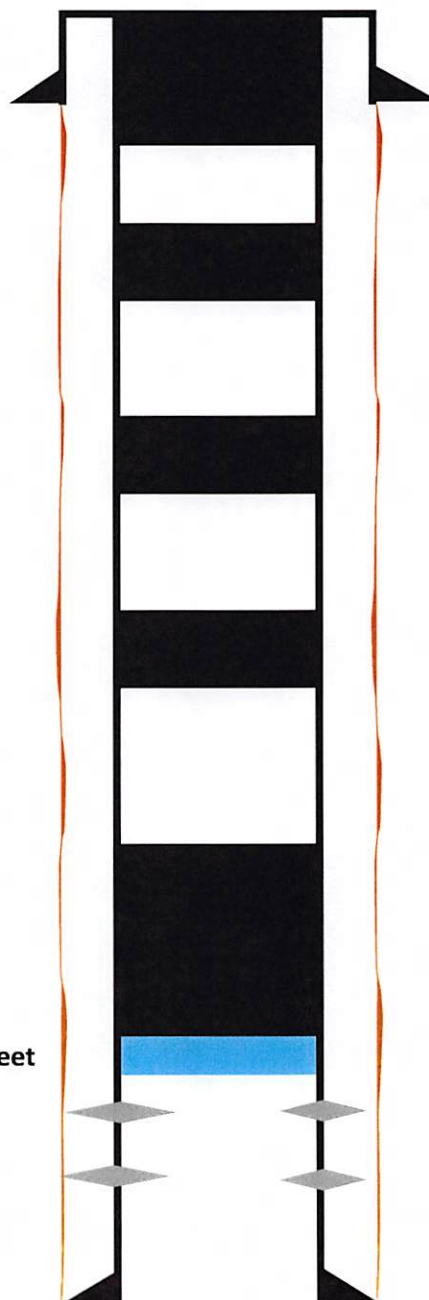
Retainer @ 3230 feet

Perforations

3273 feet - 3461 feet

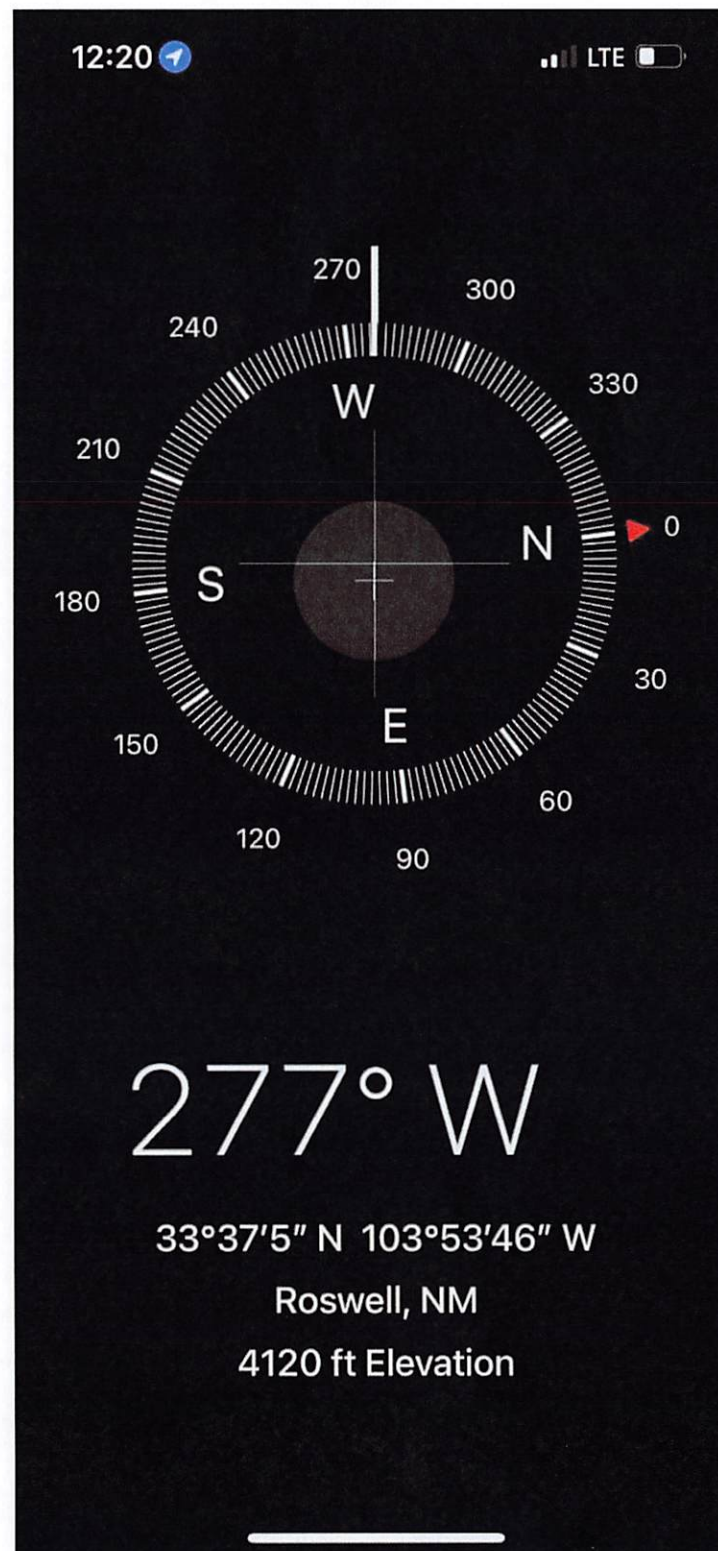
Production Casing

4.5" 9.5# @ 3488 feet
OH: 7.875"











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

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 242306

CONDITIONS

Operator: J.A. Drake Well Service Inc. 607 W Pinon Farmington, NM 87401	OGRID: 330485
	Action Number: 242306
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
john.harrison	None	7/20/2023