

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

WELL API NO. 30-005-20088
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Cato San Andres Unit
8. Well Number 090
9. OGRID Number 330485
10. Pool name or Wildcat Cato; San Andres

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.)

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

2. Name of Operator
Cano Petro of New Mexico, Inc.

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

4. Well Location

Unit Letter F 1980 feet from the N line and 1980 feet from the W line
Section 15 Township 08S Range 30E NMPM County Chaves

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
4090

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 plugged well according to attached EOW report and plugged WBD.

Spud Date:

Rig Release Date:

Accepted for record – NMOCD

JRH 05/03/2023

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Drake McCulloch

TITLE Authorized Representative DATE 6/6/22

Type or print name Drake McCulloch E-mail address: drake@dwsrigns.com

PHONE: 505 320 1180

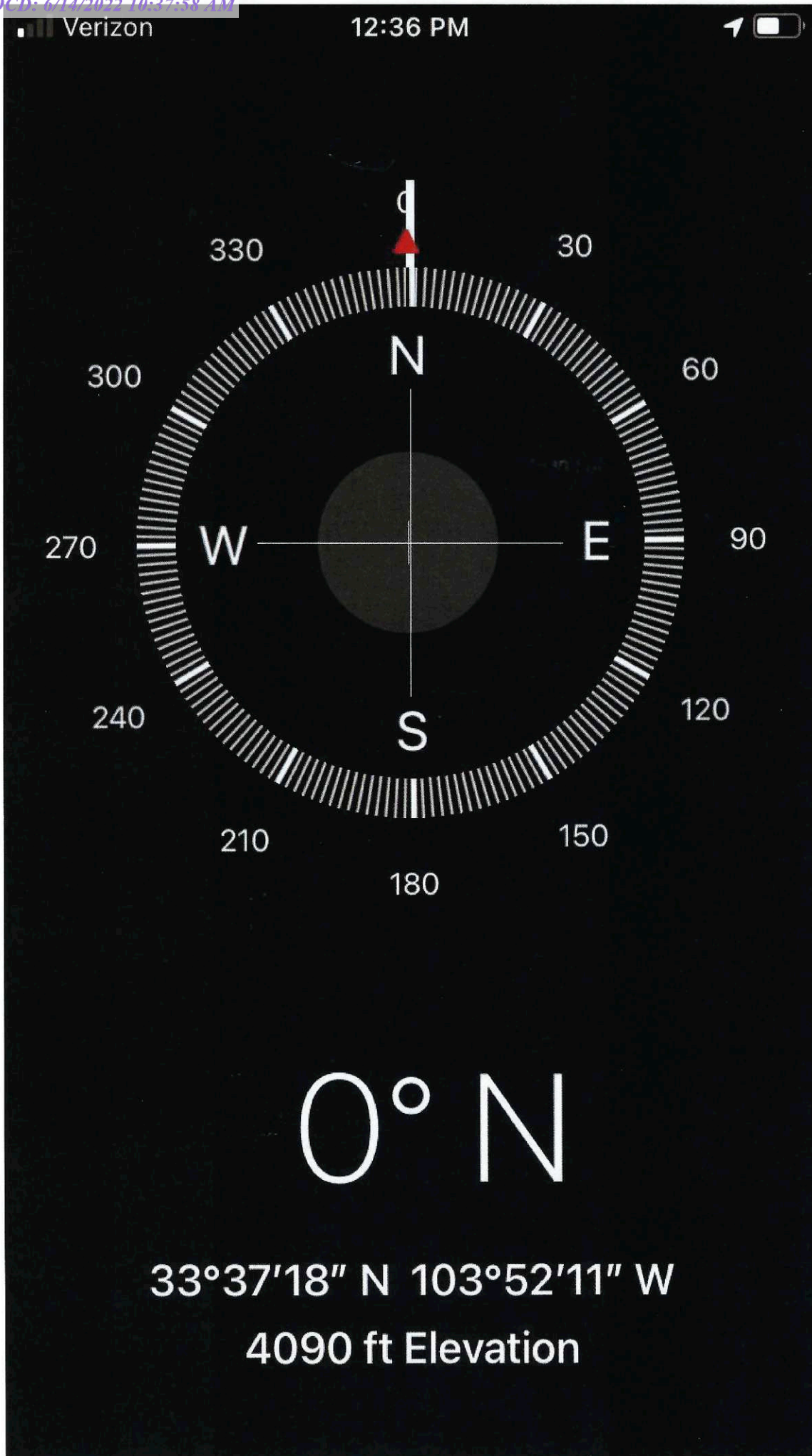
For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):







Cano Petro Inc./NMOCD OWP

Plug And Abandonment End Of Well Report

Cato San Andres Unit #090

1980' FNL & 1980' FWL, Section 15, T8S, R30E

Chaves County, NM / API 30-005-20088

Work Summary:

- 5/27/22** Made NMOCD P&A operations notifications at 9:00 AM MST.
- 5/30/22** MOL and R/U P&A rig. Prepped location with backhoe. Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. Removed horse's head in preparation to pull rods. Worked stuck sucker rod pump free. L/D polish rod, 127- 3/4" sucker rods, 12- 3/4" guided rods and sucker rod pump. N/D wellhead, N/U BOP and function tested. Worked stuck tubing free. L/D 93 joints of 2-3/8" tubing. Secured and shut-in well for the day.
- 5/31/22** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. P/U 4 1/2" casing scraper and work string and TIH to a depth of 3,308' where casing scraper tagged up. TOOH. P/U 4 1/2" CR, TIH and set at 3,283'. Stung out of CR. R/U cementing services. Circulated wellbore clean with 60 bbls of fresh water. Pumped plug #1 from 3,283'-2,909' to cover the San Andres perforations and formation top. TOOH. WOC 4 hours. Attempted to pressure test 4 1/2" production casing but it failed to hold pressure. TIH and tagged plug #1 top at 3,006'. R/U cementing services. Re-pumped plug #1 from 3,006'-2,853'. TOOH. WOC overnight. Secured and shut-in well for the day.
- 6/1/22** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. R/U wireline services. Ran CBL from top of plug #1 at approximately 2,853' to surface. CBL results were sent to NMOCD office for review. Attempted to pressure test 4 1/2" production casing to 500 psi in which it failed to hold pressure. TIH

and tagged plug #1 top at 2,851'. Spotted 9.5 ppg mud spacer from 2,851'-1,595'. TOOH. R/U wireline services. RIH and perforated squeeze holes at 1,595'. P/U packer, TIH and set at 837' with an EOT depth of 900'. Attempted to establish injection rate through packer at 837' and into perforations at 1,595' but was unsuccessful. R/U wireline services. RIH and perforated squeeze holes at 1,540'. Attempted to establish injection rate into perforations at 1,540' but was unsuccessful. TOOH. L/D packer. TIH to 1,655'. R/U cementing services. Pumped plug #2 from 1,655'-1,110' to cover the Yates formation top and perforations at 1,595' and 1,540'. TOOH. WOC overnight. Secured and shut-in well for the day.

6/2/22

Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH and tagged plug #2 top at 1,306'. R/U cementing services. Pressure tested 4 ½" production casing to 700 psi in which it successfully held pressure. TOOH. R/U wireline services. RIH and perforated squeeze holes at 1,000'. Attempted to establish injection rate into perforations at 1,000' but was unsuccessful. TIH to 1,306'. R/U cementing services. Re-pumped plug #2 from 1,306'-900' to cover the Rustler formation top and perforations at 1,000'. Spotted 9.5 ppg mud spacer from 900'-300'. L/D tubing to surface. R/U wireline services. RIH and perforated squeeze holes at 300'. R/U cementing services. Attempted to establish circulation down 4 ½" production casing through perforations at 300' and back around and out Bradenhead valve at surface but was unsuccessful. R/U wireline services. RIH and perforated squeeze holes at 200'. R/U cementing services. Successfully established circulation down 4 ½" production casing through perforations at 200' and back around and out Bradenhead valve at surface. TIH to 350'. R/U cementing services. Successfully circulated cement from 350'-200' and circulated cement through perforations at 200' and back around and out Bradenhead valve at surface. Filled 4 ½" production casing from 350'-surface. N/D BOP, N/U wellhead. R/D and MOL.

6/6/22

Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. Dug-out wellhead with backhoe. Performed wellhead cut-off. Ran weighted tally tape down both 8-5/8" surface casing annulus and 4 ½" production casing and tagged cement 158' down in 8-5/8" surface casing annulus and 42' down in 4 ½" production casing. Ran ¾" poly pipe down both strings of casing. R/U cementing services. Topped-off both strings of casing with 25 sx of cement. Installed subsurface P&A marker per NMOCD regulations. Photographed the P&A marker in place and recorded its location via GPS coordinates. Back filled P&A marker. R/D and MOL.

Plug Summary:**Plug #1:(San Andres Perforations and Formation Top 3,283'-2,851', 35 Sacks Type III Cement(Re-pumped 10 sx))**

Mixed 35 sx Type III cement and spotted a balanced plug to cover the San Andres perforations and formation top. Re-pumped 10 sx Type III.

Plug #2:(Yates and Rustler Formation Tops 1,655'-900', 63 Sacks Type III Cement)

RIH and perforated squeeze holes at 1,595'. P/U packer, TIH and set at 837' with an EOT depth of 900'. Attempted to establish injection rate through packer at 837' and into perforations at 1,595' but was unsuccessful. R/U wireline services. RIH and perforated squeeze holes at 1,540'. Attempted to establish injection rate into perforations at 1,540' but was unsuccessful. TOOH. L/D packer. TIH to 1,655'. R/U cementing services. Pumped plug #2 from 1,655'-1,110' to cover the Yates formation top and perforations at 1,595' and 1,540'. TOOH. WOC overnight. TIH and tagged plug #2 top at 1,306'. R/U cementing services. Pressure tested 4 ½" production casing to 700 psi in which it successfully held pressure. TOOH. R/U wireline services. RIH and perforated squeeze holes at 1,000'. Attempted to establish injection rate into perforations at 1,000' but was unsuccessful. TIH to 1,306'. R/U cementing services. Re-pumped plug #2 from 1,306'-900' to cover the Rustler formation top and perforations at 1,000'.

Plug #3: (Surface Casing Shoe 350'-Surface, 145 Sacks Type III Cement(25 sx for Top-off))

RIH and perforated squeeze holes at 300'. R/U cementing services. Attempted to establish circulation down 4 ½" production casing through perforations at 300' and back around and out Bradenhead valve at surface but was unsuccessful. R/U wireline services. RIH and perforated squeeze holes at 200'. R/U cementing services. Successfully established circulation down 4 ½" production casing through perforations at 200' and back around and out Bradenhead valve at surface. TIH to 350'. R/U cementing services. Successfully circulated cement from 350'-200' and circulated cement through perforations at 200' and back around and out Bradenhead valve at surface. Filled 4 ½" production casing from 350'-surface. N/D BOP, N/U wellhead. R/D and MOL. Dug-out wellhead with backhoe. Performed wellhead cut-off. Ran weighted tally tape down both 8-5/8" surface casing annulus and 4 ½" production casing and tagged cement 158' down in 8-5/8" surface casing annulus and 42' down in

4 ½" production casing. Ran ¾" poly pipe down both strings of casing. R/U cementing services. Topped-off both strings of casing with 25 sx of cement. Installed subsurface P&A marker per NMOCD regulations. Photographed the P&A marker in place and recorded its location via GPS coordinates. Back filled P&A marker. R/D and MOL.

End of Well Wellbore Diagram

Cato San Andres Unit #090

API #: 30-005-20088

Chaves County, New Mexico

Plug 3

350 feet - Surface
350 foot plug
145 sacks of Type III Cement
25 sks Top Off Type III Cement

Plug 2

1655 feet - 900 feet
755 foot plug
63 sacks of Type III Cement

Plug 1

3283 feet - 2851 feet
432 foot plug
35 sacks of Type III Cement
Re-pumped 10 sks Type III Cement

Perforations

3364 feet - 3369 feet
3394 feet - 3405 feet
3430 feet - 3446 feet
3455 feet - 3480 feet

Surface Casing

8.625" 24# @ 250 ft

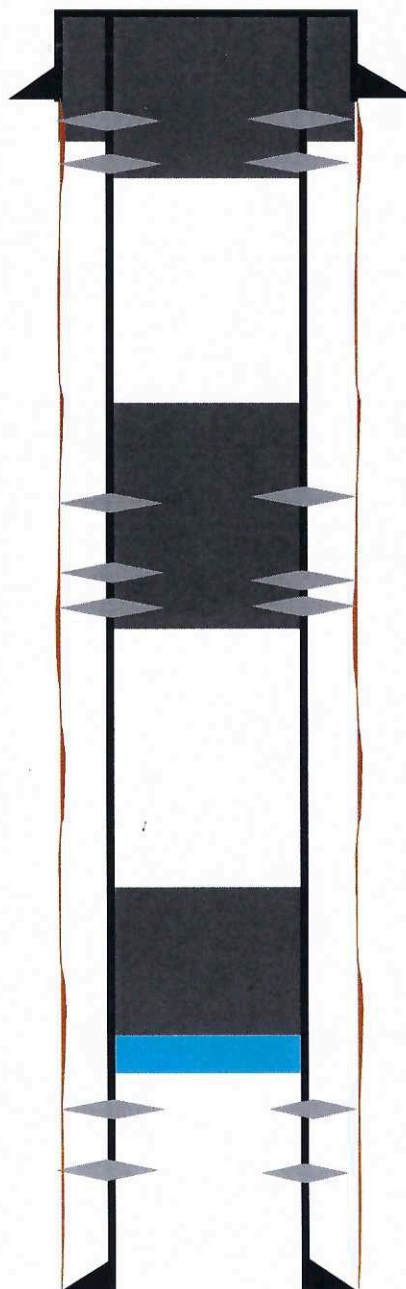
Formation

Rustler - 1072 ft
Yates - 1545 ft
San Andres - 3314 ft

Retainer @ 3283 ft

Production Casing

4.5" 9.5# @ 3531 ft



District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
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 116840

CONDITIONS

Operator: J.A. Drake Well Service Inc. 607 W Pinon Farmington, NM 87401	OGRID: 330485
	Action Number: 116840
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
john.harrison	None	5/3/2023