

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. 30-005-20034	
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	122
9. OGRID Number	330485
10. Pool name or Wildcat Cato; San Andres	
4. Well Location Unit Letter <u>O</u> <u>660</u> feet from the <u>S</u> line and <u>1980</u> feet from the <u>E</u> line Section <u>16</u> Township <u>08S</u> Range <u>30E</u> NMPM County <u>Chaves</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4123	

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 ☐ PNR
 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 thereto.

ESTIMATED START DATE 1/25/21

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 Drake McCulloch TITLE Authorized Representative DATE 1/21/20

Type or print name Drake McCulloch E-mail address: drake@dwsrigns.com PHONE: 505 320 1180

For State Use Only

APPROVED BY: Kerry Fortner TITLE Compliance Officer A DATE 7/8/21

Conditions of Approval (if any)

Cano Petro Inc./NMOCD OWP

Plug And Abandonment End Of Well Report

Cato San Andres Unit #122

660' FSL & 1980' FEL, Section 16, T8S, R30E

Chaves County, NM / API 30-005-20034

Work Summary:

- 2/4/21** Made NMOCD P&A operations notifications at 9:00 AM MST.
- 2/4/21** MOL and R/U P&A rig. Checked well pressures: Tubing: N/A, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. N/U stripping head. M/U bit and casing scraper. P/U work string and tallied in the wellbore to a depth of 3,355'. TOOH and stood back work string in derrick. Shut-in well for the day.
- 2/5/21** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. N/U BOP and function tested. P/U CR, TIH and set at 3,299'. Circulated wellbore with 65 bbls of fresh water without establishing circulation. TOOH to inspect pipe for fluid level. Fluid level was found to be at 150'. TIH to CR at 3,299'. Circulated wellbore with 12 additional bbls of fresh water. TOOH with tubing. R/U wireline services. Ran CBL from CR at 3,299' to surface. CBL results were sent to NMOCD for review. TIH with tubing to CR at 3,299'. R/U cementing services. Pumped plug #1 from 3,299'-2,938' to cover the San Andres perforations and formation top. L/D 13 joints of tubing and stood the remaining tubing back in derrick. WOC overnight. Shut-in well for the day.
- 2/6/21** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH and tagged plug #1 top at 2,889'. Spotted 21 bbls of 9.5 ppg mud spacer. TOOH with tubing. P/U packer, TIH and set at 891'. Pressure tested wellbore from 891' to CR at 3,299' in which wellbore successfully held pressure. TOOH with tubing and packer. R/U wireline services. RIH and perforated squeeze holes at

1,595'. TIH with packer and set at 891' with EOT at 954'. Attempted to establish injection rate into perforations at 1,595' but was unsuccessful. TOOH and WOO. Shut-in well for the day.

2/8/21 Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH with tubing to 1,661'. R/U cementing services. Pumped plug #2 from 1,661'-1,330' to cover the Yates formation top and perforations at 1,595'. WOC 4 hours. TIH and tagged plug #2 top at 1,337'. TOOH with tubing. R/U wireline services. RIH and perforated squeeze holes at 1,122'. P/U packer, TIH and set at 891'. Attempted to establish injection rate into perforations at 1,122' but was unsuccessful. TOOH with tubing. TIH open ended to 1,337'. Topped-off combination plug #2 from 1,337'-900' to cover the Rustler formation top and perforations at 1,122'. WOC overnight. R/U wireline services. RIH and perforated squeeze holes at 501'. Shut-in well for the day.

2/9/21 Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH and tagged plug #2 top at 890'. Spotted 9.5 ppg mud spacer from 890'-500'. L/D 90 joints of tubing. R/U cementing services. Successfully established circulation with 38 bbls of fresh water (wellbore capacity 8 bbls) down tubing to perforations at 501' and back around and out Bradenhead valve at surface. Successfully circulated cement down tubing to perforations at 501' and back around and out Bradenhead valve at surface. N/D BOP and R/D P&A rig. Wellhead was left shut-in overnight to WOC. Wellhead to be cut-off 2/10/21.

2/10/21 Checked well pressures: Tubing: N/A, Casing: 0 psi, Bradenhead: 0 psi. Performed wellhead cut-off. Cement was at surface in 8-5/8" surface casing and 4 1/2" production casing. Installed P&A marker and plate per NMOCD regulations. Photographed the P&A marker in place and recorded its location via GPS coordinates. R/D and MOL.

Plug Summary:

Plug #1: (San Andres Perforations and Formation Top 3,299'-2,889', 25 Sacks Class C Cement)

Mixed 25 sx Class C cement and spotted a balanced plug to cover the San Andres perforations and formation top.

Plug #2: (Yates/Rustler Formation Tops 1,661'-890', 56 Sacks Class C Cement)

R/U wireline services. RIH and perforated squeeze holes at 1,595'. TIH with packer and set at 891' with EOT at 954'. Attempted to establish injection rate into perforations at 1,595' but was unsuccessful. TIH with tubing to 1,661'. R/U cementing services. Pumped plug #2 from 1,661'-1,330' to cover the Yates formation top and perforations at 1,595'. WOC 4 hours. TIH and tagged plug #2 top at 1,337'. R/U wireline services. RIH and perforated squeeze holes at 1,122'. P/U packer, TIH and set at 891'. Attempted to establish injection rate into perforations at 1,122' but was unsuccessful. TIH open ended to 1,337'. Topped-off combination plug #2 from 1,337'-900' to cover the Rustler formation top and perforations at 1,122'. WOC overnight. TIH and tagged plug #2 top at 890'.

Plug #3: (Surface Casing Shoe 501'-Surface, 203 Sacks Class C Cement)

RIH and perforated squeeze holes at 501'. R/U cementing services. Successfully established circulation with 38 bbls of fresh water (wellbore capacity 8 bbls) down tubing to perforations at 501' and back around and out Bradenhead valve at surface. Successfully circulated cement down tubing to perforations at 501' and back around and out Bradenhead valve at surface. N/D BOP and R/D P&A rig. Wellhead was left shut-in overnight to WOC. Performed wellhead cut-off. Cement was at surface in 8-5/8" surface casing and 4 1/2" production casing. Installed P&A marker and plate per NMOCD regulations. Photographed the P&A marker in place and recorded its location via GPS coordinates.

Wellbore Diagram

Cato San Andres Unit #122

API #: 30-005-20034

Chaves County, New Mexico

Plug 3

501 feet - Surface

501 feet plug

203 sacks of Class C Cement

Plug 2

1661 feet - 890 feet

771 feet plug

56 sacks of Class C Cement

Plug 1

3299 feet - 2889 feet

410 feet plug

25 sacks of Class C Cement

Surface Casing

8.625" 20# @ 451 ft

Formation

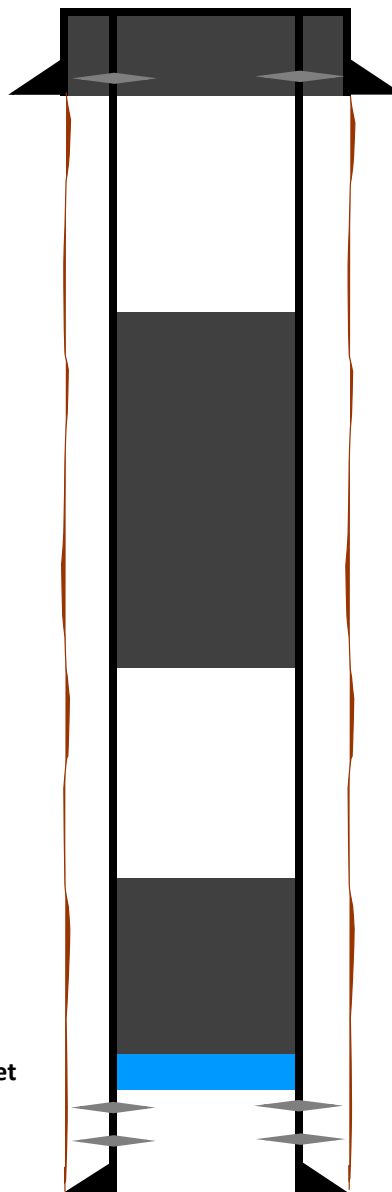
Rustler - 1072 ft

Yates - 1545 ft

Retainer @ 3299 feet

Production Casing

4.5" 9.5# @ 3550 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 20703

CONDITIONS

Operator: J.A. Drake Well Service Inc. 607 W Pinon Farmington, NM 87401	OGRID: 330485
	Action Number: 20703
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
kfortner	None	7/8/2021