

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

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. 30-005-20161
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 of New Mexico, Inc.		6. State Oil & Gas Lease No.
3. Address of Operator 801 Cherry Street Suite 3200 Unit 25 Fort Worth, TX 76102		7. Lease Name or Unit Agreement Name Cato San Andres Unit
4. Well Location Unit Letter ___ M ___ 660 ___ feet from the ___ S ___ line and ___ 660 ___ feet from the ___ W ___ line Section 4 Township 08S Range 30E NMPM County Chaves		8. Well Number 10
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4049		9. OGRID Number 330485
		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 ☐
 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.

WELL PLUGGED 4/8/22

Spud Date:

Rig Release Date:

Approved for plugging of well bore only. Liability under bond is retained pending Location cleanup & receipt of C-103Q (Subsequent Report of Well Plugging) which may be found at OCD Web Page, OCD Permitting @ www.emnrd.state.nm.us

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

SIGNATURE

TITLE Authorized Representative

DATE 4/12/22

Type or print name Drake McCulloch

E-mail address: drake@dwsrigns.com

PHONE: 505 320 1180

For State Use Only

APPROVED BY:

Conditions of Approval (if any):

Accepted for record – NMOCD gc 12/1/2022

DATE

Cano Petro Inc./NMOCD OWP

Plug And Abandonment End Of Well Report

Cato San Andres Unit #10

660' FSL & 660' FWL, Section 4, T8S, R30E

Chaves County, NM / API 30-005-20161

Work Summary:

- 4/5/22** Made NMOCD P&A operations notifications at 9:00 AM MST.
- 4/6/22** 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, 19 - 7/8" sucker rods, 106- 3/4" sucker rods, and sucker rod pump. N/D wellhead, N/U BOP and function tested. Worked stuck tubing. L/D 93 joints of 2-3/8" tubing, seating nipple, and 1 perforated joint of 2-3/8" tubing with bull plug. P/U casing scraper and round tripped above top perforation to a depth of 3,137'. Secured and shut-in well for the day.
- 4/7/22** Checked well pressures: Tubing: 0 psi, Casing: 150 psi, Bradenhead: 0 psi. Bled down well. P/U 4 1/2" CR, TIH and set at 3,042'. Stung out of CR. R/U cementing services. Circulated wellbore clean with 40 bbls of fresh water. Pumped plug #1 from 3,042'-2,674' to cover the San Andres perforations and formation top. WOC 4 hours. L/D tubing up to next plug depth. TOOH with remaining tubing. R/U wireline services. Ran CBL from top of plug #1 at approximately 2,674' to surface. CBL results were sent to NMOCD office for review. TIH and tagged plug #1 top at 2,696'. R/U cementing services. Attempted to pressure test production casing to 500 psi in which it failed to hold pressure. Spotted 9.5 ppg mud spacer from 2,696'-1,595'. L/D tubing up to next plug depth. TOOH with remaining tubing. R/U wireline services. RIH and perforated squeeze holes at 1,590'. P/U packer, TIH and set at 1,072'. Attempted to establish injection rate into perforations at 1,590' but was unsuccessful. Un-set packer and

TOOH. TIH to 1,650'. R/U cementing services. Pumped plug #2 from 1,650'-1,200' to cover the Yates formation top. TOOH with tubing. WOC overnight. Secured and shut-in well for the day.

4/8/22 Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH and tagged plug #2 top at 1,322'. TOOH. R/U wireline services. RIH and perforated squeeze holes at 1,270'. P/U packer, TIH and set at 1,072'. Attempted to establish injection rate into perforations at 1,270' but was unsuccessful. Un-set packer and TOOH. L/D packer. TIH to 1,322'. R/U cementing services. Pumped plug #2 from 1,322'-930' to cover the Rustler formation top. L/D tubing up to next plug depth. TOOH with remaining tubing. WOC 4 hours. TIH and tagged plug #2 top at 903'. R/U cementing services. Spotted 9.5 ppg mud spacer from 903'-367'. TOOH. R/U wireline services. RIH and perforated squeeze holes at 367'. R/U cementing services. Successfully established circulation down 4 ½" production casing through perforations at 367' and back around and out Bradenhead valve at surface with 10 bbls of fresh water. Successfully circulated cement down 4 ½" production casing through perforations at 367' and back around and out Bradenhead valve at surface. N/D BOP, N/U wellhead. R/D equipment. WOC over the weekend. Secured and shut-in well for the day.

4/11/22 Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. Dug out wellhead with backhoe. Performed wellhead cut-off. Cement was at surface in 8-5/8" surface casing annulus. Ran weighted tally tape down 4 ½" production casing and tagged cement 30' down. R/U cementing services. Ran ¾" poly pipe down 4 ½" production casing and topped-off well 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 3,042'-2,696', 25 Sacks Type III Cement)

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

Plug #2:(Yates and Rustler Formation Tops 1,650'-903', 55 Sacks Type III Cement)

RIH and perforated squeeze holes at 1,590'. P/U packer, TIH and set at 1,072'. Attempted to establish injection rate into perforations at 1,590' but was unsuccessful. Un-set packer and TOOH. TIH to 1,650'. R/U cementing services. Pumped plug #2 from 1,650'-1,200' to cover

the Yates formation top. TOOH with tubing. WOC overnight. TIH and tagged plug #2 top at 1,322'. TOOH. R/U wireline services. RIH and perforated squeeze holes at 1,270'. P/U packer, TIH and set at 1,072'. Attempted to establish injection rate into perforations at 1,270' but was unsuccessful. Un-set packer and TOOH. L/D packer. TIH to 1,322'. R/U cementing services. Pumped plug #2 from 1,322'-930' to cover the Rustler formation top. L/D tubing up to next plug depth. TOOH with remaining tubing. WOC 4 hours. TIH and tagged plug #2 top at 903'.

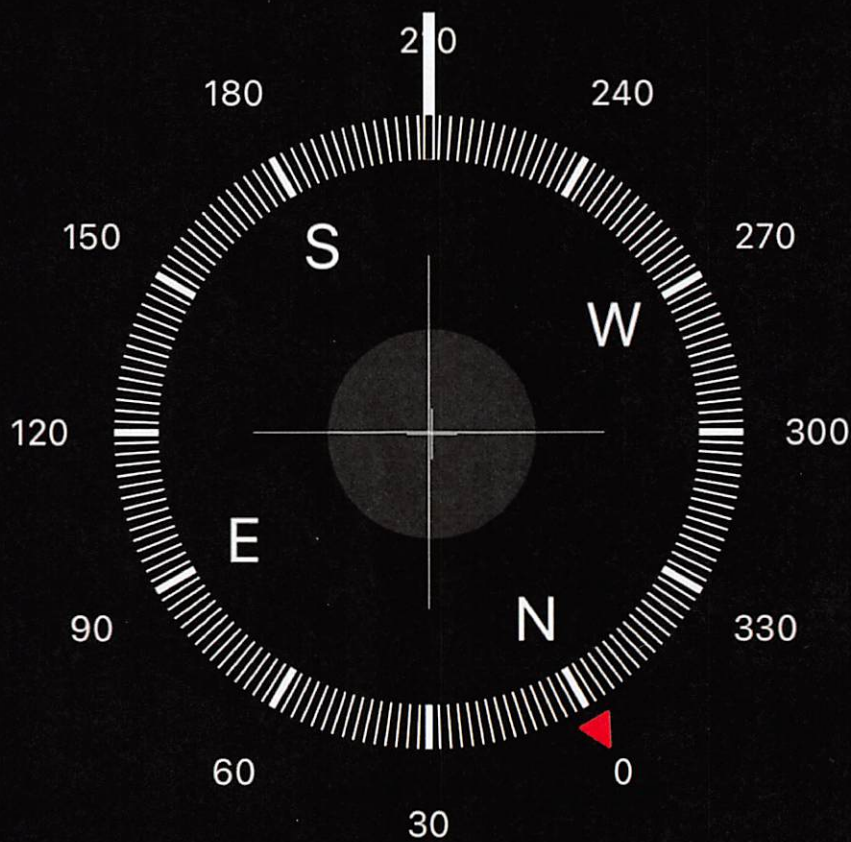
Plug #3: (Surface Casing Shoe 367'-Surface, 158 Sacks Type III Cement(25 sx for Top-off))

RIH and perforated squeeze holes at 367'. R/U cementing services. Successfully established circulation down 4 ½" production casing through perforations at 367' and back around and out Bradenhead valve at surface with 10 bbls of fresh water. Successfully circulated cement down 4 ½" production casing through perforations at 367' and back around and out Bradenhead valve at surface. N/D BOP, N/U wellhead. R/D equipment. WOC over the weekend. Dug out wellhead with backhoe. Performed wellhead cut-off. Cement was at surface in 8-5/8" surface casing annulus. Ran weighted tally tape down 4 ½" production casing and tagged cement 30' down. R/U cementing services. Ran ¾" poly pipe down 4 ½" production casing and topped-off well with 25 sx of cement. Installed subsurface P&A marker per NMOC regulations. Photographed the P&A marker in place and recorded its location via GPS coordinates. Back filled P&A marker. R/D and MOL.





3:20



209° SW

33°38'36" N 103°53'28" W

4050 ft Elevation

Wellbore Diagram

Cato San Andres Unit #010

API #: 30-005-20161

Chaves County, New Mexico

Plug 3

367 feet - Surface

367 feet plug

158 sacks of Type III Cement

25 sacks of cement for top off

Plug 2

1650 feet - 903 feet

747 feet plug

55 sacks of Type III Cement

Plug 1

3042 feet - 2696 feet

346 feet plug

25 sacks of Type III Cement

Surface Casing

8.625" 24# @ 317 ft

Formation

Anhy - 1100 ft

Yates - 1510 ft

San Andres - 2630 ft

Retainer @ 3042 feet

Perforations

3100 ft - 3140 ft

3172 ft - 3200 ft

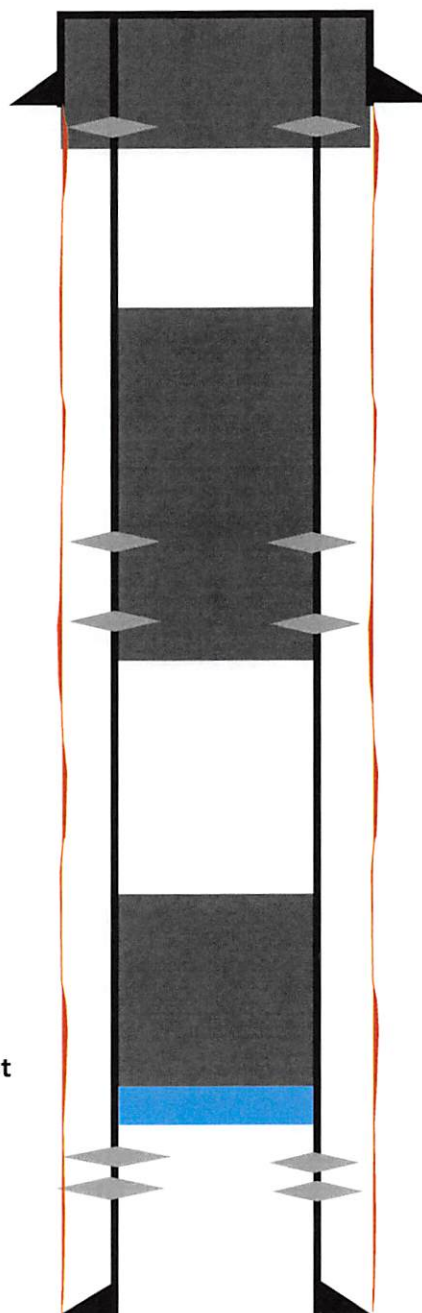
3255 ft - 3273 ft

3278 ft - 3280 ft

3283 ft - 3289 ft

Production Casing

4.5" 9.5# @ 3387 ft



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CONDITIONS

Action 97998

CONDITIONS

Operator: J.A. Drake Well Service Inc. 607 W Pinon Farmington, NM 87401	OGRID: 330485
	Action Number: 97998
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
gcordero	None	12/1/2022