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 1220 S. St. Francis Dr., Santa Fe, NM
 87505

Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

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. 30-005-20130
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 <u>L</u> <u>1650</u> feet from the <u>S</u> line and <u>660</u> feet from the <u>W</u> line Section <u>10</u> Township <u>08S</u> Range <u>30E</u> NMPM County Chaves		8. Well Number <u>045</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4069		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:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input 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 checked="" 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 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 5/11/22

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 #045

1650' FSL & 660' FWL, Section 10, T8S, R30E

Chaves County, NM / API 30-005-20130

Work Summary:

- 4/29/22** Made NMOCD P&A operations notifications at 9:00 AM MST.
- 5/2/22** 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. N/D wellhead, N/U BOP and function tested. P/U casing scraper and work string and TIH to a depth of 1,902' where casing scraper tagged up. TOOH. P/U mule shoe sub, TIH and tagged up at 1,902'. Attempted to work mule shoe sub deeper into wellbore but couldn't make any further progress. TOOH. Secured and shut-in well for the day.
- 5/3/22** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH with mule shoe sub and tagged up at 1,902'. R/U cementing services. Attempted to establish circulation in wellbore with fresh water but was unsuccessful. Worked tubing string but could not make any further progress past 1,902'. NMOCD requested to P/U packer and squeeze enough cement below packer to account for wellbore volume down to top perforation. P/U 4 ½" packer, TIH and set at 1,757' with an EOT depth of 1,793'. R/U cementing services. Established injection rate below packer with 15 bbls of fresh water. Pumped cement through packer down to top perforation at 3,270'. Circulation was observed coming out of 4 ½" production casing at surface while pumping cement. Shut down and pumped fresh water down tubing to EOT depth at 1,793'. Packer was difficult to un-set. TOOH. Packer indicated parted casing by marks observed. WOC overnight. Secured and shut-in well for the day.

- 5/4/22** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH and tagged plug #1 top at 1,780'. R/U cementing services. Circulated wellbore with 15 bbls of fresh water. Attempted to pressure test production casing to 300 psi in which it failed to hold pressure. Re-pumped plug #1 from 1,780'-1,406'. TOOH. WOC 4 hours. TIH and tagged at previous tag point at 1,780'. R/U cementing services. Re-pumped plug #1 from 1,780'-1,179'. TOOH. WOC 4 hours. TIH and tagged plug #1 top at 1,140'. R/U cementing services. Re-pumped plug #1 from 1,140'-766' to cover the Rustler formation top. TOOH. WOC overnight. Secured and shut-in well for the day.
- 5/5/22** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH and tagged plug #1 top at 968'. R/U cementing services. Attempted to pressure test production casing to 300 psi in which it failed to hold pressure. Spotted 9.5 ppg mud spacer from 968'-370'. L/D tubing up to next plug depth. TOOH with remaining tubing. R/U wireline services. RIH and perforated squeeze holes at 370'. P/U 4 1/2" packer, TIH and set at 350'. Attempted to establish circulation down tubing through perforations at 370' and back around and out Bradenhead valve at surface but was unsuccessful. Waited on orders from NMOCD. R/U cementing services. Attempted to circulate cement down production casing through perforations at 370' and back around and out Bradenhead valve at surface but was unsuccessful. Pumped fresh water down to perforations at 370'. WOC 4 hours. R/U cementing services. Attempted to pressure test production casing in which it failed to hold pressure. Re-pumped surface plug without establishing circulation. WOC overnight. Secured and shut-in well for the day.
- 5/6/22** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. R/U cementing services. Pressure tested production casing to 300 psi in which it successfully held pressure. TIH and tagged plug #2 top at 359'. L/D tubing to surface. R/U wireline services. RIH and perforated squeeze holes at 300'. Attempted to establish circulation down production casing through perforations at 300' and back around and out Bradenhead valve at surface but was unsuccessful. RIH and perforated squeeze holes at 200'. Attempted to establish circulation down production casing through perforations at 200' and back around and out Bradenhead valve at surface but was unsuccessful. Successfully established circulation by pumping down Bradenhead valve at surface through perforations at 200' and back around and out production casing valve at surface. TIH to 359'. R/U cementing services. Pumped cement from 359'-200' and circulated cement out both the

Bradenhead and casing valves at surface. N/D BOP, N/U wellhead. WOC over the weekend. Secured and shut-in well for the day.

5/9/22 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 both the 8-5/8" surface casing annulus and 4 1/2" production casing. 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, Yates and Rustler Formation Tops 3,270'-968', 177 Sacks Type III Cement (Re-pumped 89 sx))

P/U 4 1/2" packer, TIH and set at 1,757' with an EOT depth of 1,793'. R/U cementing services. Established injection rate below packer with 15 bbls of fresh water. Pumped cement through packer down to top perforation at 3,270'. Circulation was observed coming out of 4 1/2" production casing at surface while pumping cement. Shut down and pumped fresh water down tubing to EOT depth at 1,793'. Packer was difficult to un-set. TOOH. Packer indicated parted casing by marks observed. WOC overnight. TIH and tagged plug #1 top at 1,780'. R/U cementing services. Circulated wellbore with 15 bbls of fresh water. Attempted to pressure test production casing to 300 psi in which it failed to hold pressure. Re-pumped plug #1 from 1,780'-1,406'. TOOH. WOC 4 hours. TIH and tagged at previous tag point at 1,780'. R/U cementing services. Re-pumped plug #1 from 1,780'-1,179'. TOOH. WOC 4 hours. TIH and tagged plug #1 top at 1,140'. R/U cementing services. Re-pumped plug #1 from 1,140'-766' to cover the Rustler formation top. TOOH. WOC overnight. TIH and tagged plug #1 top at 968'.

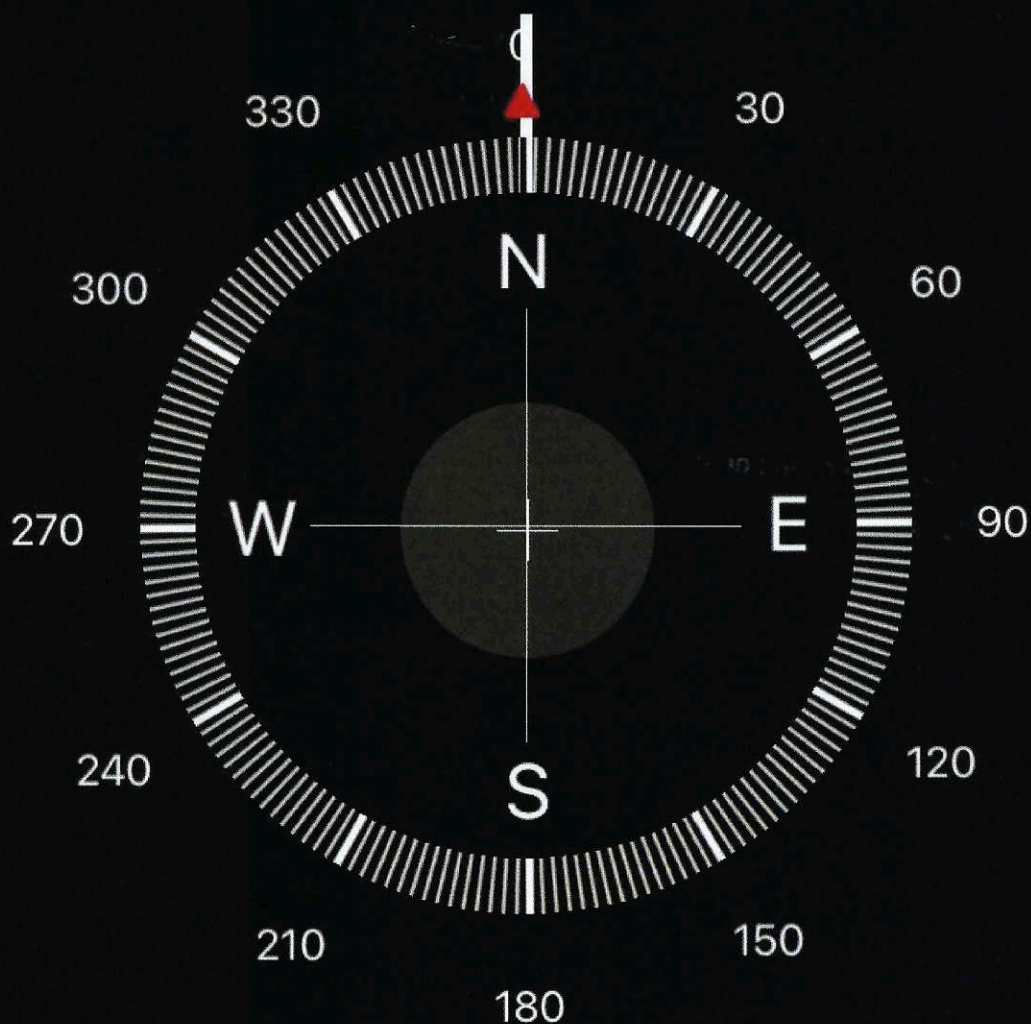
Plug #2: (Surface Casing Shoe 370'-Surface, 290 Sacks Type III Cement)

RIH and perforated squeeze holes at 370'. P/U 4 1/2" packer, TIH and set at 350'. Attempted to establish circulation down tubing through perforations at 370' and back around and out Bradenhead valve at surface but was unsuccessful. Waited on orders from NMOCD. R/U cementing services. Attempted to circulate cement down production casing through perforations at 370' and back around and out Bradenhead valve at surface but was unsuccessful. Pumped fresh water down to perforations at 370'. WOC 4 hours. R/U cementing services. Attempted to pressure test production casing in which it

failed to hold pressure. Re-pumped surface plug without establishing circulation. WOC overnight. R/U cementing services. Pressure tested production casing to 300 psi in which it successfully held pressure. TIH and tagged plug #2 top at 359'. L/D tubing to surface. R/U wireline services. RIH and perforated squeeze holes at 300'. Attempted to establish circulation down production casing through perforations at 300' and back around and out Bradenhead valve at surface but was unsuccessful. RIH and perforated squeeze holes at 200'. Attempted to establish circulation down production casing through perforations at 200' and back around and out Bradenhead valve at surface but was unsuccessful. Successfully established circulation by pumping down Bradenhead valve at surface through perforations at 200' and back around and out production casing valve at surface. TIH to 359'. R/U cementing services. Pumped cement from 359'-200' and circulated cement out both the Bradenhead and casing valves at surface. N/D BOP, N/U wellhead. WOC over the weekend. Dug out wellhead with backhoe. Performed wellhead cut-off. Cement was at surface in both the 8-5/8" surface casing annulus and 4 1/2" production casing. 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.







0° N

33°37'54" N 103°52'27" W

Elida, NM

4060 ft Elevation

End of Well Wellbore Diagram

Cato San Andres Unit #045

API #: 30-005-20130

Chaves County, New Mexico

Plug 2

370 feet - Surface

370 feet plug

290 sacks of Type III Cement

Plug 2

3270 feet - 968 feet

2302 feet plug

177 sacks of Type III Cement

Repumped 89 sacks of Type III
Cement

Surface Casing

8.625" 24# @ 320 ft

Formation

Rustler - 1072 ft

Yates - 1545 ft

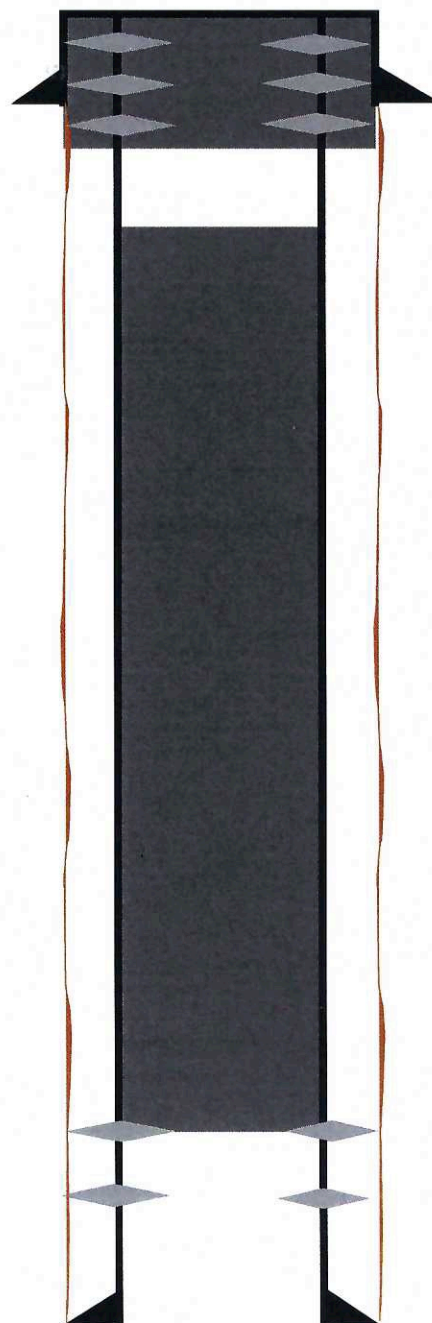
San Andres - 3220 ft

Perforations

3270 feet - 3308 feet

Production Casing

4.5" 9.5# @ 3445 ft



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State of New Mexico
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CONDITIONS

Action 109154

CONDITIONS

Operator: J.A. Drake Well Service Inc. 607 W Pinon Farmington, NM 87401	OGRID: 330485
	Action Number: 109154
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

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