

Form 3160-5
(June 2015)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
***Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.***

SUBMIT IN TRIPLICATE - Other instructions on page 2		7. If Unit of CA/Agreement, Name and/or No.
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. CATO SAN ANDRES UNIT #083
2. Name of Operator Cano Petro of NM. INC		9. API Well No. 30-005-20144
3a. Address 801 Cherry Street Unit 25 Suite 3200 Fort Worth, Texas 76102	3b. Phone No. (include area code)	10. Field and Pool or Exploratory Area CATO;SAN ANDRES
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) E-13-08S-30E 1980 FNL 660 FWL		11. Country or Parish, State Chaves

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other	
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon		
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Please see attached documentation of plugging.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)	Title
Signature	Date

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by JENNIFER SANCHEZ Digitally signed by JENNIFER SANCHEZ Date: 2024.11.04 08:26:54 -07'00'	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

CANO PETRO OF NEW MEXICO, INC

Plug And Abandonment End Of Well Report

CATO SAN ANDRES UNIT #083

1980' FNL & 660' FWL, Section 13, 08S, 30E

Chaves County, NM / API 30-005-20144

Work Summary:

- 10/23/24** Made BLM and NMOCD P&A operations notifications at 9:00 AM MST.
- 10/24/24** Moved P&A rig and equipment. Fixed multiple bad spots on road with backhoe. Arrived on location and held a safety meeting. Completed spiral gas check. Cleared and leveled location with backhoe.
- 10/25/24** Arrived on location. Held safety meeting. Completed spiral gas check. Checked well pressures (all 0 psi). Dug cellar with backhoe. Worked on location with backhoe. Spotted rig and equipment. R/U unit. R/U cementing services. Attempted to pump mandatory 40 bbl well kill into the production casing. Pumped 8 bbls of fresh water and the BH valve nipple began to leak. Called welder to repair leak. NU BOP. Function test BOP. R/U floor. Spotted tubing trailer and pit. Shut in and secured well.
- 10/26/24** Arrived on location. Held safety meeting. Completed spiral gas check. Checked well pressures (all 0 psi). Found a crack under the surface collar in the 4.5" casing. R/D floor. ND BOP. Weld 4.5" bell nipple onto casing. NU BOP. P/U 4.5" scraper. Round tripped to 3437'. L/D 4 joints and TOOH. P/U 4.5" CIBP. TIH and set at 3438'. Sting out of CIBP. R/U cementing services. Circulated hole with 51 bbls of fresh water. TOOH. Shut in and secured well. Used backhoe to fix road.
- 10/27/24** Arrived on location. Held safety meeting. Completed spiral gas check. Checked well pressures (all 0 psi). R/U wireline services. RIH and logged well. R/D wireline services. TIH to 3438'. R/U cementing services. Pumped plug #1 from 3438' to 3119'. R/D cementing

services. L/D 10 joints and TOO H. WOC 4 hours. TIH and tagged plug #1 at 3117'. TOO H. Shut in and secured well.

10/28/24 Arrived on location. Held safety meeting. Completed spiral gas check. Checked well pressures (all 0 psi). TIH to 3117'. R/U cementing services. Pumped mud spacer from 3117' to 2900'. R/D cementers. L/D 9 joints. R/U cementing services. Pumped 5 bbls of fresh water. Pumped plug #2 from 2900' to 2340'. R/D cementing services. L/D 17 joints. Reverse circulated with 12 bbls fresh water at 2335'. TOO H. WOC 4 hours. TIH and tagged plug #2 at 2320'. R/U cementing services. Pumped mud spacer from 2320' to 1730'. L/D 18 joints and TOO H. R/U wireline services. RIH and perforated at 1730'. POOH. R/D wireline. Shut in and secured well.

10/29/24 Arrived on location. Held safety meeting. Completed spiral gas check. Checked well pressures (all 0 psi). P/U 4.5" packer. TIH and set packer at 1637' with EOT at 1702'. R/U cementing services. Attempted to establish and injection rate into perforations at 1730' (1.7 bbl/min at 750 psi, pumped 7.5 bbls). Shut in pressure at 170 psi. Wait on orders from BLM. Unset packer and TOO H. L/D packer. TIH to 1790'. R/U cementing services. Pumped plug #3 from 1790' to 1471' at 11:55 AM. R/D cementing services. L/D 10 joints and TOO H. Shut down due to high winds. Shut in and secured well. WOC overnight.

10/30/24 Arrived on location. Held safety meeting. Completed spiral gas check. Checked well pressures (all 0 psi). TIH and tagged plug #3 at 1528'. Attempted to pressure test casing but was unsuccessful (1.6 bbl/min at 80 psi). R/U wireline services. RIH and perforated at 1498'. POOH. R/D wireline services. P/U packer. TIH and set packer, EOT at 1057'. R/U cementing services. Established an injection rate (2 bbls/min at 200 psi). Squeezed plug #4 from 1498' to 1102' at 1:00 PM. R/D cementers. Unset packer and TOO H. WOC 4 hours. TIH and tagged plug #4 at 1103'. R/U cementing services. Pumped mud spacer from 1103' to 382'. L/D 22 joints and TOO H. Shut in and secured well.

10/31/24 Arrived on location. Held safety meeting. Completed spiral gas check. Checked well pressures (all 0 psi). R/U wireline services. RIH and perforated at 382'. POOH. R/D wireline. TIH to 385'. Establish circulation into perforations and out BH. At 8:00 AM pumped plug #5 from 385' into perforations and out BH at surface, shut BH valve and continued pumping in the 4.5" casing to surface (130 sx in annulus, 30 sx in 4.5"). TOO H. WOC. ND BOP. R/D floor and all equipment. R/D unit. Dig cellar with backhoe. R/U welder on location. Cut off well head. Tagged at 7' in the annulus, and at 5' in

the 4.5" casing. Topped off with 13 sx. Installed a below ground marker per all local regulations. MOL.

Plug Summary:

Plug #1: Perforations, 3,438'-3,117', 25 Sacks Type I/II Cement

P/U 4.5" CIBP. TIH and set at 3438'. Sting out of CIBP. R/U cementing services. Circulated hole with 51 bbls of fresh water. TOOH. Logged well. TIH to 3438'. R/U cementing services. Pumped plug #1 from 3438' to 3119'. R/D cementing services. L/D 10 joints and TOOH. WOC 4 hours. TIH and tagged plug #1 at 3117'.

Plug #2: San Andres and Queen Formation Tops, 2,900'-2,320', 43 Sacks Type I/II Cement

R/U cementing services. Pumped 5 bbls of fresh water. Pumped plug #2 from 2900' to 2340'. R/D cementing services. L/D 17 joints. Reverse circulated with 12 bbls fresh water at 2335'. TOOH. WOC 4 hours. TIH and tagged plug #2 at 2320'.

Plug #3: Yates Formation Top, 1,790'-1,528', 25 Sacks Type I/II Cement

R/U wireline services. RIH and perforated at 1730'. POOH. R/D wireline. P/U 4.5" packer. TIH and set packer at 1637' with EOT at 1702'. R/U cementing services. Attempted to establish and injection rate into perforations at 1730' (1.7 bbl/min at 750 psi, pumped 7.5 bbls). Shut in pressure at 170 psi. Wait on orders from BLM. Unset packer and TOOH. L/D packer. TIH to 1790'. R/U cementing services. Pumped plug #3 from 1790' to 1471'. R/D cementing services. L/D 10 joints and TOOH. WOC. TIH and tagged plug #3 at 1528'.

Plug #4: Salt and Rustler Formation Tops, 1,498'-1,103', 107 Sacks Type I/II Cement (Inside/Outside)

R/U wireline services. RIH and perforated at 1498'. POOH. R/D wireline services. P/U packer. TIH and set packer, EOT at 1057'. R/U cementing services. Established an injection rate (2 bbls/min at 200 psi). Squeezed plug #4 from 1498' to 1102'. R/D cementers. Unset packer and TOOH. WOC 4 hours. TIH and tagged plug #4 at 1103'.

**Plug #5: Surface Casing Shoe, 385'-Surface, 173 Sacks Type I/II
Cement (Inside/Outside) (13 Sacks for Top Off)**

R/U wireline services. RIH and perforated at 382'. POOH. R/D wireline. TIH to 385'. Establish circulation into perforations and out BH. Pumped plug #5 from 385' into perforations and out BH at surface, shut BH valve and continued pumping in the 4.5" casing to surface (130 sx in annulus, 30 sx in 4.5"). TOOH. WOC. ND BOP. R/D floor and all equipment. R/D unit. Dig cellar with backhoe. R/U welder on location. Cut off well head. Tagged at 7' in the annulus, and at 5' in the 4.5" casing. Topped off with 13 sx. Installed a below ground marker per all local regulations. MOL.

Completed Wellbore Diagram

CANO PETRO OF NEW MEXICO, INC.

CATO SAN ANDRES UNIT #083

API: 30-005-20144

Chaves County, New Mexico

LPCH: YES

Surface Casing

8.625" 20# @ 332 ft

OH: 12.5'

Cemented w/ 200 SX

Estimated Formations

Rustler - 1202 feet

Salt - 1260 feet

Yates - 1680 feet

Queen - 2440 feet

San Andres - 2850 feet

Plug 5

385 feet - surface

385 foot plug

173 Sacks of Type I/II Cement

Plug 4

1498 feet - 1103

392 foot plug

107 Sacks of Type I/II Cement

Plug 3

1790 feet - 1528 feet

262 foot plug

25 Sacks of Type I/II Cement

Plug 2

2900 feet - 2320 feet

580 foot plug

43 Sacks of Type I/II Cement

Plug 1

3438 feet - 3117 feet

321 foot plug

25 sacks of Type I/II Cement

Production Casing

4.5" 9.5# @ 3608 feet

OH: 7.875"

Cemented w/ 200 SX

Perforations

3538 feet - 3572 feet

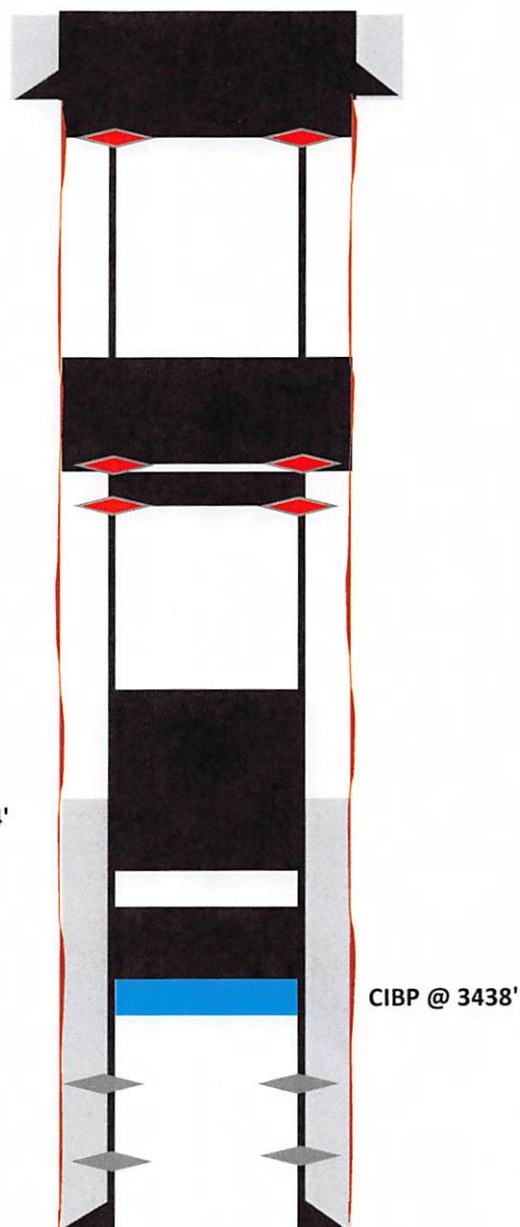




Figure 1: Marker



Figure 2: Top Off

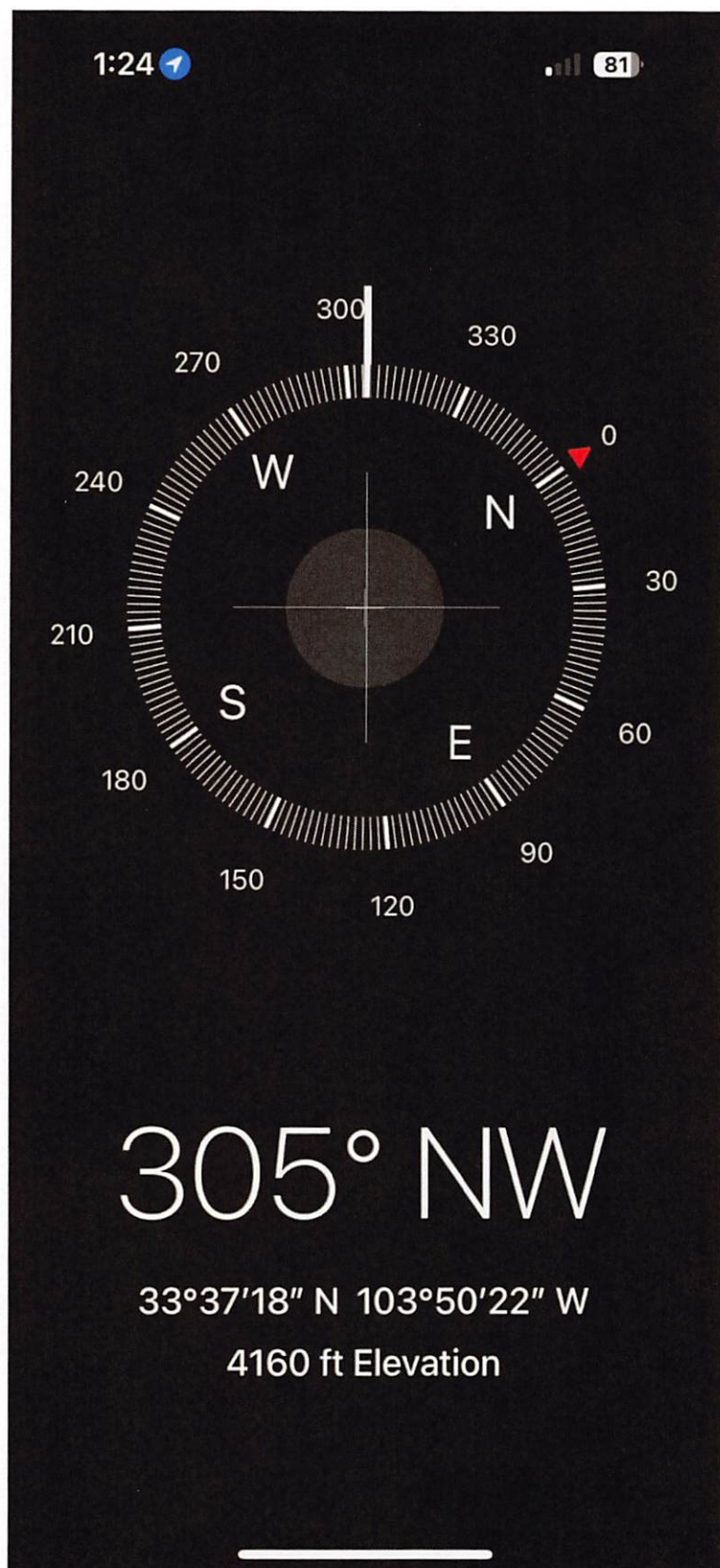


Figure 3: GPS

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 398741

CONDITIONS

Operator: CANO PETRO OF NEW MEXICO, INC. 801 Cherry Street Fort Worth, TX 76102	OGRID: 248802
	Action Number: 398741
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
loren.diede	None	11/6/2024