

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NMOCD
Hobbs

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2014

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.

5. Lease Serial No. Fee *Fee*
6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2
SEP 03 2014

1. Type of Well Oil Well Gas Well Other
2. Name of Operator *Cano Petro of New Mexico, Inc.*
3a. Address *P.O. Box 4470
Tulsa, OK 74159* 3b. Phone No. (include area code) *918-488-2113*
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Unit Letter H: 660' FWL - 1980' FWL Sec 3 - T8S - R30E

7. If Unit of CA/Agreement, Name and/or No. *NMNM82050X*
8. Well Name and No. *Cato San Andres Unit #1*
9. API Well No. *30-005-10584*
10. Field and Pool or Exploratory Area *Cate (San Andres)*
11. County or Parish, State *Chaves County, NM*

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input checked="" type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input checked="" 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 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.)

- (1) MIRU well service unit & circulating tank. Fill with fresh clean treated (bactericide) water.
- (2) POOH w/existing rods, pump. Drop standing valve to test tubing while POOH to 5000 psig, while pulling tubing recover AD-1 packer. Replace any bad joints and use as work-string. Have packer re-dressed to use for testing casing integrity.
- (3) RIH w/ notched collar on 2-3/8" work-string (WS) to clean out to PBTD of 3487".
- (4) Circulate bottoms up for 2 hrs., then POOH w/same.
- (5) RIH w/WS & 4-1/2" AD-1 type tension packer to approximately 3280' (Must be no higher than 3251'). Set packer & test backside to 500 psig for 1/2 hour to pre-test for casing integrity. Last time well was pulled in 2007 there were indicated holes from 1125' to 1981'.
- (6) If well does not have integrity then, test to find bad interval by POOH w/packer in 100' intervals to find bad casing. Make necessary repairs per discussion with Tulsa Engineering Staff. Retest w/packer at previous test spot. After well will pass pre-test, notify BLM & NMOCD to arrange witnessed test.
- (7) Perform witnessed MIT with BLM/NMOCD personnel to 500 psig for 1/2 hour.
- (8) After passing MIT then unseat packer. RIH so end of tubing (EOT) is at 3391'.
- (9) Spot 2500 gal 15% NEFE acid to EOT. POOH w/WS & packer to 2000'.
- (10) RIH w/WS & packer to 3260'. Then begin flow and swab back of load.
- (11) POOH w/WS & packer.
- (12) RIH w/1 jt 2-3/8" tubing bull-plugged as a MA, 1-4'X2-3/8" slotted sub, 2" SN & new 2-3/8" tubing. Put end of MA @ 3330'+/-.
- (13) RIH w/2' gas separator on bottom of 1.5" RHTC pump and straight 3/4" rods and pony rods to seat pump.
- (14) Long stroke pump with Unit to make sure good pump action.
- (15) RDMO well service unit and hang well on pump. Hook to flowline.

SEE ATTACHED FOR CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)
David P. Spencer
Signature *David P. Spencer*

Title *Sr. Oil & Gas Engineer*
Date *07/15/2014*

**SUBJECT TO
LIKE APPROVAL
BY NMOCD**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by *IS/ Angel Mayes* Assistant Field Manager, *Land and Minerals* Date *8/28/14*
Office *Roswell Field 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.

SEP 10 2014

Well Bore Schematic

Well: CSAU #1
Field: Cato (San Andres)

Unit Ltr: H 1980 FNL & 660 FEL
Sec 3 - T85-R30E
Chaves County, New Mexico

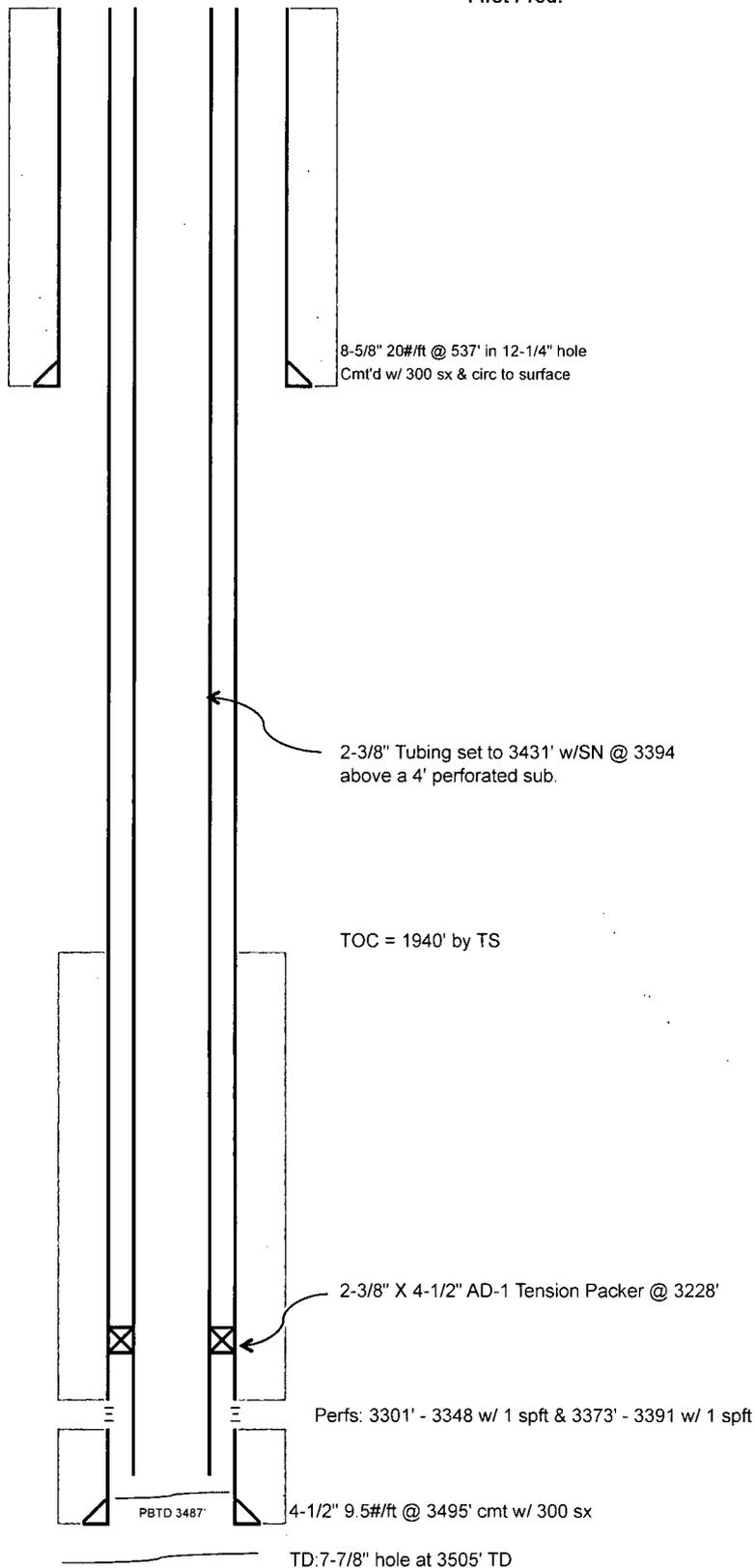
Present: XXXX
Proposed:

Original Elev: GL 4129'
KB

S U R F A C E

API Number: 30-005-10584
Spud Date: 3/9/67
Comp Date: 3/31/67
First Prod:

Lease No. or Type: Fee



Not to Scale

BUREAU OF LAND MANAGEMENT
Roswell Field Office
2909 West Second Street
Roswell, New Mexico 88201
575-627-0272

Contact the BLM Roswell Field Office at least 24 hours prior to the scheduled Casing Integrity Test. **For wells in Chaves and Roosevelt County, during office hours or after office hours call (575) 627-0205.** Engineer on call during office hours phone (575) 627-0275 or phone (after hours) call (575) 626-5749.