

# New Mexico Oil Conservation Division, District I

Form 3160-5  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

1625 N. French Drive  
Hobbs, NM 88240

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

HOBBS OCD

## 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.  
LC-068288B

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

RECEIVED

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Celero Energy II, LP

3a. Address

400 W. Illinois, Ste. 1601 Midland TX 79701

3b. Phone No. (include area code)

(432)686-1883

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

660' FSL & 660' FWL  
(M) Sec 25, T13S, R31E

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.

Rock Queen Unit #63

9. API Well No.

30-005-00859

10. Field and Pool or Exploratory Area

Caprock; Queen

11. Country or Parish, State

Chaves, NM

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"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input checked="" 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 recompleat 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 recompleat 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.)

9/23/11:- Mill & C/O to PBTD of 3088'. Circ hole clean. Ran GR/CCL/CBL from 2000' to 2935'. Unable to get to PBTD. TOC at 2240'. Ran CIL from surface to 2650'. TIH w/ tbg & 5 1/2" AD-1 pkr. Found csg leak from 2470' to 2510'. Test to 500# and lost 50# in 1 minute and 100# in 2 minutes.

9/24/11 - TOH w/ tbg & pkr. Weld on 4" Watson Packer's Duplex Shoe on btm of 4" csg. Ran 15 jts (658') of 4", 10.8#, J-55, UFJ csg (5 jts of 4" w/ Bond Coat -214' & 11 jts of 4", 10.8#, J-55 UFJ csg - 444') with 4" slip x slip collar on top jt. Ran setting tool for Duplex Shoe on tbg and screwed into Duplex Shoe. Ran liner on tbg and set liner inside of 5 1/2", 14# csg from 2433' to 3091'. Pump 25 BFW to establish rate at 2 BPM with pressure varying from 400# to 1000# back to 300#. Pump 150 sx of Class "C" cmt w/ 2% CaCl2 at 2 BPM. Displaced cmt from 1.5 to 1 BPM w/ pressure going from 400# back to 100# w/ 15.5 BFW, leaving one (1) bbl of cmt inside of 2 3/8" tbg at 2:15 P.M. Released from Duplex Shoe and TOH w/ tbg and setting tool for Duplex Shoe. WOC 4 hours, Tag cmt at 2433' at TOL. Pumped 23 BFW to circ. Hole & pumped down liner top at 1.5 BPM at 300# pressure. TOH w/ bit. Ran tbg & 5 1/2" AD-1 pkr to 2284'. Pump 5 BFW at 2 BPM & 200# pressure followed with 225 sx of "C" cmt w/ 2% CaCl2, SD, washed up & displaced cmt w/ 14.5 BFW in stages with a SD pressure of 150#, leaving 100' of cmt above TOL

\*Continued on attached sheet

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

Lisa Hunt

Title Regulatory Analyst

Signature

*Lisa Hunt*

Date 10/12/2011

*KA*

ACCEPTED FOR RECORD THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

/S/ DAVID R. GLASS

Title

ROSWELL FIELD OFFICE

Date

OCT 18 2011

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.

Title 18 U.S.C. Section 1001 and Title 49 U.S.C. Section 1212, make it a crime for any person to knowingly and willfully make any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**Accepted For Record Only! Approval Subject To Putting Well On Continuous Production And Keeping Well On Continuous Production!**

OCT 25 2011

**Rock Queen Unit #63** – C103 Continued

**9/26/11** - After WOC 37 hours, test down tbg with 500# and held 15 mins. TOH w/ tbg & pkr. TIH w/ 4 3/4" bit, 5 1/2" csg scraper w/ 4 - 3 1/8" DC's and tbg. Tag cmt at 2291'. Drill soft cmt to 2316'. From 2316' to TOL at 2431' (115'), cmt was firm. Circ hole clean. Tested TOL and csg from surface to 2431' with 575#. Lost 25# in 15 min. TOH w/ tbg and BHA. Start in hole with 3 1/4" bit and DC's.

**9/27/11** - Tag cmt at TOL at 2431'. D/O cmt inside of 4" liner from 2431' to 2442' (11'). Circ hole clean. Test csg from surface to 3088' (5 1/2" & 4" liner) to 520# and lost 20# in 15 mins. Pump 100 gal of PN-110, paraffin solvent, followed with clean 10# produced water, circ hole clean. Attempt to run GR/CCL/ CNL. Stop going at 2967'. Unable to go deeper. TOH w/ logs. Logging tools had paraffin on same.

**9/28/11** - Hot oil w/ 70 BO with PN-110 paraffin chemical in same & circ well. TOH w/ tbg and 4 3/4" O.D. bit. TIH w/ tbg and 3 1/4" bit. Ran inside of 4" liner to 3088' & hot oil w/ 70 BO w/ PN-110 paraffin chemical and circulated well. TOH w/ tbg and bit. Attempt to run 2 3/4" O.D. X 8' GR/CCL/CNL and stopped at 2867'. Unable to go deeper.

**9/29/11** - Ran GR/CCL/Neutron Log from 2000' to 3079'. Perforated 4" liner with 2" cased gun, 2 SPF, 180 degree phasing from 3048' to 3062'; 15 feet and 30 holes. TIH w/ tbg and 4" SL-4 tension pkr. Ran to 2935'. Load and place 490# pressure on annulus. Pump 3 BFW and broke down perf's w/ 511# pressure at 0.8 BPM. Pumped remainder of water at 3 BPM & 1395# pressure, followed with 1500 gal of 7 1/2% acid & 50 - 7/8", 1.3 sp.gr. Ball sealers. Flushed with 37 BFW, 20 bbls overflush. Tr. Pressures: Max = 3000#; Avg = 1300#;; Avg Rate = 4 BPM. ISIP = 570#; 5 min = 326#; 10 min = 319#; 15 min = 313#; TLTR = 95 bbls. J.C. at 6:15 P.M. n. Open well to test tank. Flow 30 BLW in 1/2 hour. Swab 1 hour and recovered 14 BLW. Total recover = 44 BLW in 1 1/2 hours. SFL = Surface; EFL = 50' from surface. Lack 51 BLW to recover.

**9/30/11** - Ran swab and stopped at 300'. Found paraffin in upper part of tubing. Cut paraffin with knife. Re-ran swab and swabbed tubing for 3 1/2 hrs. Recovered 58 BLW and formation fluid. SFL = 100' F.S.; EFL = 200' F.S. No shows. Total recovery to date = 95 BLW & 7 bbls of formation water. Release pkr, lower same and knock off ball sealers. TOH w/ tbg and packer. TIH w/ tubing open ended to 3079'. Circulate out ball sealers. Hot oiled down casing out tubing.

**10/1/11** - Tag liner top at 2420' (wireline depth). TIH w/ tbg work string & Globe Packer's 4" nickel plated AS1-X packer with 1.43" blanking plug, cap string assembly and 26' of 2 3/8" O.D. fiberglass tubing on bottom of packer with mule shoe cut on bottom of joint. Ran and set packer from 3030-39' (packer sealing rubbers at 3035') and joint of 2 3/8" fiberglass tubing from 3039' to 3065'. Release on-off tool from packer profile nipple, circ 100 bbls of FW pkr fluid.

**10/3/11** - Test annulus with 550# and held okay with tbg latched into pkr. Release retrieving head for pkr on/off tool. TOH, LD tbg WS and retrieving on/off tool and TOH, LD tbg. Latch onto pkr at 3030'. Ran modified top assembly for Cap Strings, 22 jts of 2 3/8" O.D., 4.7# 8rd EUE J-55 IPC tbg w/ TDC (683') plus 71 jts of 2 3/8" O.D., 4.7# 8rd EUE J-55 IPC tbg (2343') with 2 - 1/4" & 3/8" SS Cap Strings. Latched onto pkr profile nipple at 3030'. Space out, pulled off profile nipple & circ 15 bbls of FW pkr fluid down tbg. Latch back onto pkr profile nipple using an additional 20' of 2 3/8" tbg subs (1-12, 1-8' & 1-2' IPC, J-55 tubing subs). Set 6 points of compression on pkr. Install 7 1/16" slip type flange with nickel plating on bottom part of flange. Pumped through both the gas & liquid cap strings with FW. Top of tool at 3026'; 4" pkr from 3030' to 3039' and end of 2 3/8" fiberglass tbg at **3065'**.

**10/4/11** - Connect to flowline and well placed back on production.