

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB NO. 1004-0135
Expires July 31, 2010**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 reverse side.**

1 Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No NMLC063875A
2 Name of Operator CHESAPEAKE OPERATING INC		6. If Indian, Allottee or Tribe Name
Contact ERIN CARSON E-Mail erin.carson@chk.com		7. If Unit or CA/Agreement, Name and/or No 891000303X
3a Address OKLAHOMA CITY, OK 73154-0496	3b Phone No (include area code) Ph: 405-935-2896	8 Well Name and No PLU ROSS RANCH 21 25 30 USA 1H
4 Location of Well (Footage, Sec, T, R, M, or Survey Description) Sec 21 T25S R30E NWNW 125FNL 400FWL		9. API Well No 30-015-40580-00-X1
		10 Field and Pool, or Exploratory WILDCAT
		11 County or Parish, and State EDDY COUNTY, NM

12. CHECK 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 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 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 checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original APD
	<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 shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

CONFIDENTIAL

CHESAPEAKE REQUESTS PERMISSION TO CHANG THE CEMENT PROGRAM TO A 2 STAGE SURFACE CASING. ATTACHED IS THE UPDATED CEMENT PROGRAM

CHK PN 643901

Accepted for record
NMOCD

10/4/2012

RECEIVED

OCT 03 2012

NMOCD ARTESIA

14 I hereby certify that the foregoing is true and correct	
Electronic Submission #151571 verified by the BLM Well Information System For CHESAPEAKE OPERATING INC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 09/28/2012 (12KMS3231SE)	
Name (Printed/Typed) ERIN CARSON	Title AUTHORIZED REPRESENTATIVE
Signature (Electronic Submission)	Date 09/24/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By CHRISTOPHER WALLS	Title PETROLEUM ENGINEER	Date 10/01/2012
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 Carlsbad

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.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

ONSHORE ORDER NO. 1
 Chesapeake Operating, Inc. Agent for BOPCO
 PLU Ross Ranch 21-25-30 USA 1H
 Eddy, NM

CONFIDENTIAL -- TIGHT HOLE

DRILLING PLAN

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5. CEMENTING PROGRAM

Slurry	Type	Top	Bottom	Weight	Yield	%Excess	Sacks
<u>Surface</u>				(ppg)	(sx/cu ft)	Open Hole	
Lead	C + 4% Gel	0'	900'	13.7	1.65	250	1224
Tail	Class C	900'	1,000'	14.8	1.33	250	213
<u>Intermediate</u>							
Lead	TXI + 5% Salt	0'	3,125'	12.3	1.81	225	1233
Tail	50C/50Poz +5% Salt	3,125'	3,625'	14.2	1.37	225	313
<u>Production</u>							
Lead	35/65Poz H +8% Gel	3,125'	7,812'	12.4	2.21	75	615
Tail	50/50Poz H +2% Gel	7,812'	13,182'	14.5	1.31	75	1247

1. Final cement volumes will be determined by caliper.
2. Surface casing shall have at least one centralizer installed on each of the bottom three joints starting with the shoe joint.
3. The production casing will be cemented in a single stage
4. Production casing will have one centralizer on every other joint from TD to KOP (horizontal type) and from KOP to intermediate casing (bowspring type).

Pilot Hole Plugging Plan: No Pilot hole
