

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTAUG - 3 2009  
OCD ArtesiaFORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

RM

## 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<br><input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other                |   | 5. Lease Serial No.<br>NMNM102035                            |
| 2. Name of Operator<br>CHESAPEAKE OPERATING, INC. Contact: LINDA GOOD<br>E-Mail: linda.good@chk.com   |   | 6. If Indian, Allottee or Tribe Name                         |
| 3a. Address<br>OKLAHOMA CITY, OK 73154-0496   | 3b. Phone No. (include area code)<br>Ph: 405-935-4275 | 7. If Unit or CA/Agreement, Name and/or No                   |
| 4. Location of Well (Footage, Sec., T, R., M., or Survey Description)<br>Sec 6 T26S R30E SWSE 350FSL 1880FEL<br>32.06534 N Lat, 103.91811 W Lon |   | 8. Well Name and No.<br>PLU ROSS RANCH 6 FEDERAL 1H          |
|   |   | 9. API Well No.<br>30-015-36883-00-X1                        |
|   |   | 10. Field and Pool, or Exploratory<br>Multiple--See Attached |
|   |   | 11. County or Parish, and State<br>EDDY COUNTY, NM           |

## 12. CHECK 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 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 <input type="checkbox"/> Drilling Operations |
|   | <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.)

## REMEDIAL CEMENT WORK PREFORMED:

5/11/09 SICP=20 psi. MIRU JSI WIRELINE. TIH PERF SQUEEZE HOLES FROM 6,000? to 6,001? W/4 SPF. 4 HOLES. RD WIRELINE. TIH W/5-1/2 RBP, 5-1/2 PKR and TBG. SET RBP @ 7,363?. TEST PLUG TO 2,000 PSI 15 MIN (OK) PULL UP TO 6,730? DUMP 2 SKS SAND ON PLUG. TOOH. SET PKR @ 5,893?. SIP ON 9-5/8 = 10 PSI. OPEN 9-5/8 PUMP 85 BBLs P/W @ 3-1/2 BPM @ 900 PSI W/9-5/8 RUNNING OVER BLEED OFF TBG RELEASE PKR TOOH W/TBG AND PKR. SISD.

5/12/09 SIP=0 PSI. TIH W/5-1/2 CEMENT RETAINER AND TBG. MIRU RISING STAR. PUMP THROUGH AND SET RETAINER @ 5,870?. ESTABLISH INJECTION RATE. SQUEEZE 350 SKS CLASS C 50/50 LITE CEMENT @ 11.7 PPG W/2.45 YIELD AND 100 SKS CLASS C NET CEMENT @ 14.8 PPG W/1.32 YIELD INTO SQUEEZE PERFS @ 6,000? @ 3 BPM @ 350 PSI W/LIGHT RETURNS ON 9-5/8. STING OUT OF RETAINER. REVERSE OUT. TOOH W/TBG AND

|   |                                      |
|---|--------------------------------------|
| 14. I hereby certify that the foregoing is true and correct<br><b>Electronic Submission #71287 verified by the BLM Well Information System<br/>For CHESAPEAKE OPERATING, INC., sent to the Carlsbad<br/>Committed to AFMSS for processing by CHERYLE RYAN on 06/24/2009 (09KMS1319SE)</b> |                                      |
| Name (Printed/Typed) LINDA GOOD   | Title SR. REGULATORY COMPLIANCE SPEC |
| Signature (Electronic Submission)   | Date 06/24/2009                      |

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

|  |   |                 |
|--|---|-----------------|
| Approved By <b>ACCEPTED</b>  | MYLES KRISTOF<br>Title PETROLEUM ENGINEER | Date 07/29/2009 |
| 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 \*\***

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**Additional data for EC transaction #71287 that would not fit on the form**

**10. Field and Pool, continued**

WILDCAT

**32. Additional remarks, continued**

BHA. SI 9 HRS. MIRU JSI WIRELINE. RUN TEMP SURVEY. TIH W/TEMPERATURE TOOLS. TAG @ 5,859?. NO CEMENT DETECTED. R/D WIRELINE. SISD.

5/13/09 SICP=0 PSI. SIP ON 9-5/8 = 100 PSI. BLEED OFF. RECOVERED 6 BBLS IN ONE HR. MIRU HALLIBURTON W/L. RUN CAST-V IMAGING TOOL FROM 5,860? TO 4,860? W/ NO CEMENT DETECTED. R/D WIRELINE. SISD.

5/14/09 STP=0 PSI. MIRU HALLIBURTON WIRELINE. TIH. PERF SQUEEZE HOLES FROM 5,840? TO 5,841? W/4 SPF. 4 HOLES. R/D WIRELINE. SIP ON 9-5/8=150 PSI. BLEED OFF ANNULAR RUNNING OVER 0.10TH BPM. PUMP DOWN CSG. ESTABLISH INJECTION RATE 3-1/2 BPM @ 700 PSI W/NO CHANGE ON 9-5/8. TIH W/5-1/2 CEMENT RETAINER AND TBG TO 5,714?. SISD.

5/15/09 SIP = 0 PSI. MIRU RISING STAR. PUMP THROUGH AND SET CEMENT RETAINER @ 5,714?. SIP ON 9-5/8? = 100 PSI. BLEED OFF ANNULAR RUNNING OVER 10TH BPM. ESTABLISH INJECTION RATE SQUEEZED 350 SKS C-NET 50/50 LIGHT CEMENT W/ 0.25 PPG. LOSS CIRC MATERIAL @ 11.7 PPG W/2.45 YIELD TAILED W/100 SKS C-NET PREMIUM @ 14.8 PPG W/1.32 YIELD INTO SQUEEZE PERF @ 5,840? @ 3 BPM @ 600 PSI. STING OUT OF RETAINER. REVERSE 2 BBLS CEMENT TO PIT. R/D CEMENT PUMP. SI 5 HR. MIRU WIRELINE. TIH. RUN TEMP SURVEY. TAG @ 5,703? W/NO DETECTION OF CEMENT. R/D WIRELINE. SISD.

5/18/09 SIP=0 PSI. MIRU JSI WIRELINE. PERF SQUEEZE HOLES FROM 4,946? TO 4,946? W/4 SPF. 4 HOLES. RD WIRELINE. SIP ON 9-5/8 = 0 PSI. ESTABLISH RATE DOWN 5-1/2 W/3 BPM @ 300 PSI. HAD FULL RETURNS ON 9-5/8. TIH W/5-1/2 CEMENT RETAINER AND TBG TO 4,812?. SISD.

5/19/09 SIP = 0 PSI. MIRU RISING STAR. PUMP THROUGH AND SET RETAINER @ 4,812?. ESTABLISH CIRC ON 9-5/8 ANNULAR W/FULL RETURNS. SQUEEZE 350 SKS C-50/50 LITE @ 11.7 PPG W/ 2.45 YI ELD. TAILED W/90 SKS C-NET PREMIUM @ 14.8 PPG W/1.32 YIELD INTO SQUEEZE PERF @ 4,945? @ 3 BPM @ 400 PSI W/FULL RETURNS. STING OUT OF RETAINER. REVERSE OUT. R/D CEMENT PUMP. TOOH W/TBG AND BHA. SI 7 HRS. MIRU JSI WIRELINE. RUN TEMPERATURE SURVEY. R/D WIRELINE. SISD.

5/20/09 RUN HALLIBURTON CAST ?V IMAGING TOOL

5/21/09 SIP = 0 PSI. PU 4-5/8 BIT 3-1/2 BIT SUB (6) 3-1/2 DRILL COLLARS. TIH W/TBG TAG @ 4,812?. RU REVERSE UNIT. BREAK CIRC. DRILL RETAINER AND 2? CEMENT TO 4,814?. CIRC UP WHAT LOOKS TO BE THE NOSE CONE FROM BIT. CIRC HOLE CLEAN. PREP TO TOOH. SISD.

CONTINUED ON ATTACHMENT.

ALSO, PLEASE FIND THE ATTACHED LETTER SIGNED BY CHESAPEAKE AND BOBCO APPROVING CEMENTING WORK  
MYLES KRISTOF  
EPTED  
(CHK PN 624821)