

**RECEIVED**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Hobbs

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

JAN 18 2011  
HOBBS

**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.  
NMNM96244

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
LIVESTOCK FEDERAL 902

9. API Well No.  
30-025-36583-00-S1

10. Field and Pool, or Exploratory  
E BOOTLEG RIDGE - Red Tank  
Bone Spring

11. County or Parish, and State  
LEA COUNTY, NM

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
CHESAPEAKE OPERATING INC  
Contact: LINDA GOOD  
E-Mail: linda.good@chk.com

3a. Address  
OKLAHOMA CITY, OK 73154-0496

3b. Phone No. (include area code)  
Ph: 405-935-4275

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 9 T22S R33E SWNE 1450FNL 1950FEL 32.40945 N Lat, 103.57470 W Lon  
Unit G

**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"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Fracture Treat
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Well Integrity
	<input checked="" type="checkbox"/> Recomplete
	<input type="checkbox"/> Other
	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Plug and Abandon
	<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 shall 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 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.)

CHESAPEAKE, RESPECTFULLY, REQUESTS, PERMISSION TO RECOMPLETE THIS WELL PER THE FOLLOWING PROCEDURE:

- MIRU wireline. ND WH. NU BOP. PU 7" 29# CIBP. RIH. Set CIBP @ 11,850'. Dump bail 35' of cmt. RD wireline.
- MIRU PU & hydrotesters. PU 7" retrievable packer & 2-7/8" workstring.
- TIH to +/- 11,800' while hydrotesting to 5,000 psi. RDMO hydrotesters.
- Set packer. Load and test CIBP and backside to 1,000 psi.
- Release packer. Circulate hole with 2% KCL. Spot 125 gal of 15% NEFE HCL from 10,970' ? 10,898'.

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

PET Witness (575-393-3612)

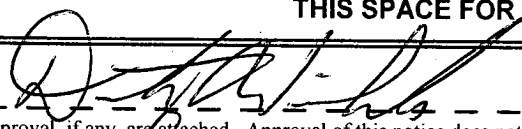
14. I hereby certify that the foregoing is true and correct.

Electronic Submission #98549 verified by the BLM Well Information System  
For CHESAPEAKE OPERATING INC, sent to the Hobbs  
Committed to AFMSS for processing by KURT SIMMONS on 12/07/2010 (11KMS0119SE)

Name (Printed/Typed) LINDA GOOD Title SR. REGULATORY COMPLIANCE SPEC

Signature (Electronic Submission) Date 12/06/2010

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By  Title \_\_\_\_\_ Date \_\_\_\_\_

Office **JAN 10 2011**  
**/s/ Dustin Winkler**

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 43 U.S.C. Section 1212, make it a crime for any person knowing and intentionally to make any statement or representation to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**Additional data for EC transaction #98549 that would not fit on the form**

**32. Additional remarks, continued**

TOH.

6. RU wireline. RIH w/4", 22.7 gram, 0.35" hole guns loaded w/2 SPF @ 120o phasing. Correlate and shoot 2nd Bone Spring (Sand). POOH. RDMO wireline.

(CHK PN 819494)

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised July 16, 2010  
Submit one copy to appropriate  
District Office

AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number 30-025-36583		<sup>2</sup> Pool Code 51687		<sup>3</sup> Pool Name Undes. Red Tank; Bone Spring, East	
<sup>4</sup> Property Code 33187		<sup>5</sup> Property Name Livestock 9 Federal			<sup>6</sup> Well Number 2
<sup>7</sup> OGRID No. 147179		<sup>8</sup> Operator Name Chesapeake Operating, Inc.			<sup>9</sup> Elevation 3619' GR

<sup>10</sup> Surface Location


UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	9	22S	33E		1450'	North	1950'	East	Lea

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

<sup>12</sup> Dedicated Acres 40	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

16		1450' ENL			
		0	1950' FEL		
					<p><b><sup>17</sup> OPERATOR CERTIFICATION</b></p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such an interest or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p> <p style="text-align: right;">  01/18/2011          Signature Date          Bryan Arrant          Printed Name          bryan.arrant@chk.com          E-mail Address       </p>
					<p><b><sup>18</sup> SURVEYOR CERTIFICATION</b></p> <p><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i></p> <p>Date of Survey Signature and Seal of Professional Surveyor:</p> <p style="text-align: center;">Please Refer to Original Plat</p> <p>Certificate Number</p>

Livestock Federal 2-9  
 Sec. 9-T22S-R33E, 1450 FNL & 1950 FEL  
 Lea County, NM  
 API #3002536583  
 CHK Prop #819494  
 AFE #305557  
 12/3/2010



Abandon Morrow & Recomplete to 2<sup>nd</sup> Bone Spring (Sand)

Well Data

Casing: 7" 29# P-110 @ 12,120'  
 Liner: 4.5" 15.1# P-110 @ 11,866' - 15,400'  
 TD: 15,400'  
 PBTD: 14,320'  
 Elevation: 3,644' KB 3,619' GL  
 WI / NRI (%): 45.00 / 38.48

Tools: 4.5" CIBP w/ cmt @ 14,320'

Proposed Perforations:

2<sup>nd</sup> Bone Spring (Sand) 10,898' - 902', 10,915' - 919', 10,946' - 950', 10,956' - 958', 10,966' - 970'

Tubular Specifications

SIZE	WEIGHT (LBS/FT)	GRADE	BURST	COLLAPSE	YIELD	DRIFT (ID/OD)	CAPACITY (FT./GAL)	CAPACITY (FT./BBU)
2-7/8"	6.5#	N-80	10570 psi	11160 psi	145K	2.347" / 3.668"	4.1135	172.76
7"	29#	P-110	11220 psi	8510 psi	797K	6.059" / 7.656"	0.6409	26.92

Procedure

- MIRU wireline. ND WH. NU BOP. PU 7" 29# CIBP. RIH. Set CIBP @ 11,850'. Dump bail 35' of cmt. RD wireline.
- MIRU PU & hydrotesters. PU 7" retrievable packer & 2-7/8" workstring.
- TIH to +/- 11,800' while hydrotesting to 5,000 psi. RDMO hydrotesters.
- Set packer. Load and test CIBP and backside to 1,000 psi.
- Release packer. Circulate hole with 2% KCL. Spot 125 gal of 15% NEFE HCL from 10,970' - 10,898'. TOH.
- RU wireline. RIH w/ 4", 22.7 gram, 0.35" hole guns loaded w/ 2 SPF @ 120° phasing. Correlate and shoot 2nd Bone Spring (Sand). POOH. RDMO wireline.

Formation	Depth	Total Ray	Perforations	Interval	SPF	Total Shots
2 <sup>nd</sup> BS (Sand)	10,896' - 904'	8'	10,898' - 902'	4'	2	8
2 <sup>nd</sup> BS (Sand)	10,914' - 919'	5'	10,915' - 918'	3'	2	6
2 <sup>nd</sup> BS (Sand)	10,944' - 952'	8'	10,946' - 950'	4'	2	8
2 <sup>nd</sup> BS (Sand)	10,956' - 958'	2'	10,956' - 958'	2'	2	4
2 <sup>nd</sup> BS (Sand)	10,963' - 974'	11'	10,966' - 970'	4'	2	8
Totals:		34'		17'		34

- TIH w/ 7" packer on 2-7/8" tbg. Set packer @ 10,885'.
- RU acid crew. Establish rate w/ 2% KCL. Treat 2nd BS (Sand) perforations w/ 2500 gal of 15% NEFE HCL @ 5-6 BPM staging 50 (7/8") balls evenly across the job. Overflush with a tbg volume. RD acid crew.
- If well is not flowing, swab back to test for hydrocarbons.
- Release packer. TOH. LD packer and 2-7/8" workstring.
- ND BOP. NU WH. RDMO PU.



BLM Schematic

LIVESTOCK FEDERAL 2-9

CONFIDENTIAL

Field: Bootleg Ridge E.  
 County: LEA  
 State: NEW MEXICO  
 Location: SEC 9, 22S-33E, 1450 FNL & 1950 FEL  
 Elevation: GL 3,619.0 KB 3,644.0  
 KB Height: 25.0

Spud Date: 4/3/2004  
 Initial Compl. Date:  
 API #: 3002536583  
 CHK Property #: 819494  
 1st Prod Date: 8/14/2004  
 PBTD: Original Hole - 14320.0  
 TD: 15,400.0

