

Office  
District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 88201

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

87505

**RECEIVED**  
**APR 06 2011**  
**HOBBSOCD**CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-025-33579
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator Chesapeake Operating, Inc.		6. State Oil & Gas Lease No.
3. Address of Operator P.O. Box 18496 Oklahoma City, OK 73154		7. Lease Name or Unit Agreement Name Ruth 20
4. Well Location Unit Letter C : 609' feet from the North line and 1650' feet from the West line Section 20 Township 16S Range 36E NMPM County Lea		8. Well Number 1
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3943' GR		9. OGRID Number 147179
		10. Pool name or Wildcat Shoe Bar; Wolfcamp, North

## 12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

## NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒  
 TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
 PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
 DOWNHOLE COMMINGLE ☐

## SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
 COMMENCE DRILLING OPNS. ☐ P AND A ☐  
 CASING/CEMENT JOB ☐

OTHER: ☐OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Work performed to re-complete this well in the Wolfcamp was uneconomical.

Please find the following:

P&A procedure, actual and proposed well bore diagram, and NMOCD's C-144(CLEZ) pit permit.

The Oil Conservation Division Must be notified  
24 hours prior to the beginning of plugging operations.

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

TITLE Sr. Regulatory Compl. Sp.

DATE 04/05/2011

Type or print name Bryan Arrant

E-mail address: bryan.arrant@chk.com

PHONE: (405)935-3782

For State Use Only

APPROVED BY:

TITLE

STATE MGR

DATE

4-7-2011

Conditions of Approval (if any):

**Chesapeake Operating, Inc.**  
**Ruth 1-20**  
**P&A Procedure**  
**Section 20-16S-36E**  
**609 FNL & 1650 FWL**  
**Lea County, New Mexico**

**March 29, 2011**

**Status:** Producing  
**Perforations:** 11,440-11,490' (Plugged Off Strawn), 10,310-10,390' (Wolfcamp)  
**TD:** 11,935'  
**PBTD:** 11,365'  
**KB/KB Height:** 3,961'/18'  
**Fluid in Well:** Production

**Casing Details**

OD (in)	Weight (lb/ft)	Grade	Depth (ft)	ID (in)	Drift (in)	Capacity (bbls/ft)	Burst (100%/80% psi)	Collapse (100%/80% psi)
5 1/2	17.0	N-80	0-11,935'	4.892	4.767	.0232	7,740/6,192	6,280/5,024
8 5/8	32.0	J-55	0-4,357'	7.921	7.796	.0609	3,930/3,144	2,530/2,024
13 3/8	48.0	H-40	0-450'	12.715	12.559	.1570	1,730/1,384	770/616

**Production Tubing Details**

OD (in)	Weight (lb/ft)	Grade	Depth (ft)	ID (in)	Drift (in)	Capacity (bbls/ft)	Burst (100%/80% psi)	Collapse (100%/80%,psi)
2 7/8	6.5	N-80	0-10,458'	2.441	2.347	.00579	10,570/8,456	11,160/8,928

**PROCEDURE:**

1. MIRU PU. Unseat pump & POOH & LD w/rods & pump. NDHW, NUBOP. Unset TAC & POOH w/tbg & BHA. Circulate hole w/9# plug mud.
2. RD PU, RU E-line with pressure control & portable mastcrane. Run gauge ring & junk basket to 10,260'. RIH w/ & set CIBP @10,260'.
3. RD E-line, RU PU. RIH w/open ended tbg & spot 25 sx cmt on CIBP / PUH to 8,297' & spot balanced cmt plug across DV Tool @8,297'-8,197'. *Circ w/MLF*
4. PUH to 4,407' & spot balanced cmt plug across int. csg shoe @4,407'-4,307'. WOC & tag.

5. POOH w/tbg & RD PU, RU E-line. RIH w/perforating guns & perf @500'. POOH w/guns & RD E-line, RU PU.
6. RIH w/tbg to 500' & sqz cmt @500'-400' across surface csg shoe. WOC & tag.
7. POOH w/tbg. RD PU, RU E-line. RIH w/perforating guns and perf @60'. POOH w/guns & RD E-line, RU PU.
8. Flange up WH and circulate cmt to surface.
9. NDBOP, cut off WH & weld on dryhole marker. RDMO. Remove all equipment and restore location.



# Proposal Schematic

RUTH 1-20

