

Submit 3 Copies To Appropriate District 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 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
May 27, 2004

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO.	30-015-34750
5. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name	IMC 21
8. Well Number	1
9. OGRID Number	147179
10. Pool name or Wildcat	Brushy Canyon; Delaware

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator  
Chesapeake Operating Inc.

3. Address of Operator  
2010 Rankin Hwy  
Midland, TX 79701

4. Well Location  
Unit Letter A : 330 feet from the North line and 660 feet from the East line  
Section 33 Township 23S Range 29E NMPM County Eddy

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
2957 Gr

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type \_\_\_\_\_ Depth to Groundwater \_\_\_\_\_ Distance from nearest fresh water well \_\_\_\_\_ Distance from nearest surface water \_\_\_\_\_

Pit Liner Thickness: \_\_\_\_\_ mil Below-Grade Tank: Volume \_\_\_\_\_ bbls; Construction Material \_\_\_\_\_

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 ☐

OTHER: Commingle Delaware/ Bone Springs ☒

SUBSEQUENT REPORT OF:

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

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 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Chesapeake, respectfully, request permission to commingle the Delaware and Bone Spring zone for this well per the attached procedure.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☒.

SIGNATURE Shay Stricklin TITLE Regulatory Tech. DATE 12/22/2006

Type or print name Shay Stricklin  
For State Use Only

E-mail address: sstricklin@chkenergy.com Telephone No. (432)687-2992

APPROVED BY: FOR RECORDS ONLY TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Conditions of Approval (if any):

DEC 28 2006

**IMC 21 – 1**  
**DELAWARE/BONE SPRING COMMINGLE PROCEDURE**  
**Eddy County, New Mexico**

**December 22, 2006**

**GENERAL INFORMATION**

Location: 330' FNL & 660' FEL, Sec 21 – T23S – R29E  
API No.: 30-015-34750

**WELL INFORMATION**

<u>String OD</u>	<u>Weight &amp; Grade</u>	<u>Depth</u>	<u>ID</u>	<u>Drift</u>	<u>Burst</u>	<u>TOC</u>
13-3/8"	48# H40 STC	0' – 345'	12.715"	12.559"	1730	0'
8-5/8"	32# J55 LTC	0' - 3000'	7.921"	7.796"	3930	0'
5-1/2"	17# L80 LTC	0' - 8115'	4.892"	4.767"	7740	2510'

Bone Springs 7684 – 7926' (OA)

Brushy Canyon (Delaware) 6244 - 51'; 6489 - 6635' (OA)

TD/PBTD: 8115'/7600'

**Procedure**

1. MIRU Service Rig and requisite equipment. Kill well as required with lease water.
2. NU BOP. POOH with pump, rods, and 2-7/8" tubing.
3. RU Foam Unit. Drill out CBP at 7600'. Circulate well clean to new PBTD 8023'. MIRU Wireline Service Unit. RU lubricator. Set a 5K CBP at 7600'. Bail 1 sx of cement on plug. Load hole with 2% KCL and pressure test to 2500#.
4. RIH w/ MA, PS, SN, TAC (at ~ 6200') and 2-7/8" tubing. Space out and land SN ~7935'. Swab to clean up.
5. RIH w/ 1-3/4" pump and a high strength tapered rod string. Run pump, 350' of 1-1/2" sinker bars, 178 – 3/4", and 125 – 7/8". Space out/seat pump. Load and test. PWOP at 8 SPM.

**Arrant, Bryan, EMNRD**

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**From:** Arrant, Bryan, EMNRD  
**Sent:** Thursday, December 28, 2006 3:18 PM  
**To:** 'sstricklin@chkenergy.com'  
**Cc:** Jones, William V., EMNRD  
**Subject:** IMC # 21/API # 30-015-34750.

Dear Shay,

We have received your application to down hole commingle the Delaware and the Bone Spring for the above noted well on a C-103 form with attachments.

Please be advised that an application to down hole commingle is reviewed and approved at the Santa Fe office. If you have not submitted an application to Santa Fe, NMOCD Rule 19.15.5.303 would be a good place to start to see what all is required.

Yours truly,

Bryan G. Arrant  
District II Geologist  
505-748-1283 ext. 103

12/28/2006