

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
OCD-ARTESIAFORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

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
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
Chesapeake Operating Inc.3a. Address
P.O. Box 11050 Midland TX 79702-80503b. Phone No. (include area code)
(432) 687-29924. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1600 FSL and 1040 FEL, Sec 1, T21S, R27E

5. Lease Serial No.

NM-17095

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Government D #12

9. API Well No.

30-015-25565

10. Field and Pool, or Exploratory Area

Avalon East; Bone Spring

11. County or Parish, State

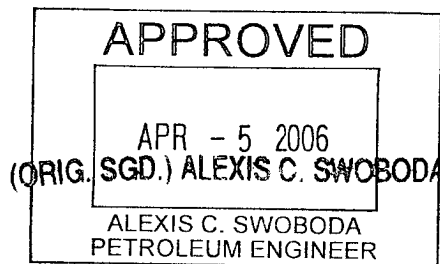
Eddy
New Mexico

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 checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<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.)

Chesapeake, respectfully, request permission to workover this well per the attached procedure.



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

Name (Printed/Typed)

Shay Stricklin

Title Production/Regulatory Asst.

Signature

Date 03/20/2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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

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.

(Instructions on page 2)

**Government D #12
Workover Procedure
Eddy County, New Mexico**

March 16, 2006

GENERAL INFORMATION

Location: 1600' FSL & 1040' FEL, Sec 1 – T21S – R27E
API No.: 30-015-25565

WELL INFORMATION

<u>String OD</u>	<u>Weight & Grade</u>	<u>Depth</u>	<u>ID</u>	<u>Drift</u>	<u>Burst</u>	<u>TOC</u>
13-3/8"	48# K55	0' – 660'	12.615"	12.459"	2730	0'
9-5/8"	47# S95	0' - 2580'	8.681"	8.525"	8150	0'
5 -1/2"	14/15.5# K55	0' - 5710'	4.950"	4.825"	4270	0'

Bone Spring perfs: 5594 – 5600'; 5603 – 18'

Proposed Delaware perfs: 5426 – 36', 2916 – 24', 2873 – 88', 2852 – 62'

TD/PBTD: 5710' / 5660'

PROCEDURE:

1. MIRU Service Rig and requisite equipment. POOH w/ pump and rods. ND wellhead and NU BOP. POOH w/ 6.5# 2-7/8" N80 tubing.
2. RU Wireline Service Co. Run gauge ring past 5550'. Set a CIBP at 5550'. Bail 2 sx of cement on plug.
3. RIH to new PBTD with open-ended tubing and circulate well clean with 2% KCL. Hydro-test tubing in hole. Pressure test casing and plug to 2500#. POOH.
4. RU lubricator and WL Service company. Run correlation log from PBTD to ~ 5000'. Correlate to attached OH porosity log.
5. Perforate the Delaware via 3-3/8" casing gun from 5426 – 36' w/ 4 SPF (41 holes), 90 degree phasing, 23 gram charge, .37" hole.
6. RIH w/ 5-1/2" packer, SN, and tubing. Swing packer at 5436'. Spot 200 gal of 15% NEFE Acid. Pull packer to 5375', reverse excess acid into tubing. Set packer. Load and test annulus to 1000#. ND BOP, NU tree. Pressure annulus to 1000#. Break down zone with an additional 1000 gal of same acid. Treat at rates approaching 4 to 5 BPM. Displace to perfs with 2% KCL. Max pressure 6000#. Launch 50 ball sealers during job. Note ISIP, 15, 10, and 5 minute pressure.
7. Swab test zone.
8. Prep to frac. Kill well with 2% KCL if required. NU frac valve. MIRU Frac Service Company. Pressure annulus to 2000#. Tie on to tubing and establish rate w/ 8,000 gal of 25# XL gel pad containing additives per frac schedule. Frac per frac schedule ramping 20/40 Ottawa from a 1/4 lb/gal scour to 5 #/gal of resin coat at tail of job. Total sand 35000 lb of 20/40, 5000 lb of resin coat. Obtain rates approaching 15 BPM, max pr 8000#. Cut resin activator in last tub of sand.

Displace to top perf with 2% KCL. Anticipated treating pressure ~4000#. RDMO
Frac Service Company.

9. Wait on frac overnight.
10. Flow back frac. ND tree, NU BOP. Release packer and POOH.
11. Set a composite BP at 5300'. Load hole and test plug to 4000# with 2% KCL.
12. RU lubricator and WL Service company. Run correlation log from 3300' to ~ 2300'. Correlate to attached OH porosity log.
13. Perforate the Delaware via 3-3/8" casing gun from 2916 – 24' (9 holes), 2873 – 88' (16 holes), and 2852 – 62' (11holes) w/ 1 SPF, 23 gram charge, .37" hole.
14. RIH w/ 5-1/2" packer, SN, and tubing. Swing packer at 2924'. Spot 200 gal of 15% NEFE Acid. Pull packer to 2800', reverse excess acid into tubing. Set packer. Test annulus to 1000#. ND BOP, NU tree. Pressure annulus to 1000#. Break down zone with an additional 1300 gal of same acid. Treat at rates approaching 4 to 5 BPM. Displace to perms with 2% KCL. Launch 45 ball sealers during job. Max pressure 6000#. Note ISIP, 15, 10, and 5 minute pressure.
15. Swab test zone.
16. Prep to frac. Kill well with 2% KCL if required. ND tree, NU BOP. Release packer. Lower through perms to clear of ball sealers. POOH w/ tubing and packer. NU frac valve and casing saver. MIRU Frac Service Company. Tie on to casing and establish rate w/ 10,000 gal of 25# XL gel pad containing additives per frac schedule. Frac per frac schedule ramping 20/40 Ottawa from a ¼ lb/gal scour to 5 #/gal of resin coat at tail of job. Total sand 66000 lb of 20/40, 15000 lb of resin coat. Obtain rates approaching 30 - 35 BPM, max pr 3400#. Cut resin activator in last tub of sand. Displace to top perf with KCL water. Anticipated treating pressure ~1200#.
17. Wait on frac overnight. Flow back frac. NU BOP, run bit and tubing and circulate out any sand as required with 2% KCL water. Drill composite plug and chase to PBTD. Clean out sand as required. POOH.
18. RIH w/ MA, PS, SN, TAC (at ~ 2800') and 2-7/8" tubing. Space out and land with SN at ~5440'.
19. ND BOP, NU wellhead. Swab well in to clean up.
20. RIH w/ 1-1/2" pump and 76 tapered Grade D rod string. Run pump, 137 – ¾", and 80 – 7/8". Space out/seat pump. Load and test. PWOP at 8 SPM.