

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**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 <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM 022584
2. Name of Operator Chesapeake Operating, Inc.		6. If Indian, Allottee or Tribe Name
3a. Address P. O. Box 18496 Oklahoma City, OK 73154-0496	3b. Phone No. (include area code) (405) 848-8000	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SW NE Sec 21-7S-26E 1980' FNL & 980' FEL		8. Well Name and No. Chaves A Federal 6
DEC 18 2003 OCD-ARTESIA		9. API Well No. 30-005-63571
		10. Field and Pool, or Exploratory Area Pecos Slope; Abo
		11. County or Parish, State Chaves

**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 Perfs
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Tubing
	<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 recompleate 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 recompleation 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.)

10/09/03 RU Weatherford Fracturing Tech., test lines to 5000#, OK, pressure up csg, pump 1000 gal NE-Fe acid into perfs 4224-98' @ 10 BPM, incr. rate to 30 BPM @2180#, pump 20,000 gal 65Q CO2 Aqua-Vis 30 foam as pad, pump 45,000 gal 65Q CO2 Aqua-Vis 30 foam carrying 150,000# 20/40 Brady Sand ramped in concentrations from 1# to 5# GAL flush w/2000 gal 15% Ne-Fe + 29 bbls Aqua-Vis 30, ISIP 930#, 5 min 852#, 10 min 812#, 15 min 795#, avg rate 29.9 BPM, avg PSI 2330#, max PSI 2599#, total load to recover 769 bbls, RU Lubricator, MU composite bridge plug on Baker 10 setting tool, RIH set plug @4160', POOH w/setting tool, pressure up csg & plug to 3000#, OK, RU RIH w/3-1/8" csg guns, correlate on depth, perf Abo "B" 4026, 4029, 4032, 4076, 4079, 4082, 4085, 4088, 4091, 4094' & 4097' @ 2 spf on 180° phasing w/23 gram chg

10/16/03 RIH w/11 jts 2-3/8" tbg, tag @4150', POOH, ck valve, 6 3-1/8" DCs, bit sub & 3 7/8" bit, RIH w/2 3/8"x8' sub, 4 1/2" Arrow Set 32A pkr, SN & 130 jts 2-3/8" tbg, set pkr @4145', load w/14 bbls 2% KCL, pressure to 3000# on CBP, OK, rise pkr, LD 5 jts 2-3/8" tbg, set pkr @3962', load backside w/30, pressure to 1000#, OK, pump 11 bbls 2% KCL, pump into formation @ 6.2 BPM, 2600#, acidize w/1500 gal 15% Ne-Fe

Cont'd next page

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

Barbara J. Bale

Title Regulatory Analyst

Signature

*Barbara J. Bale*

Date

12/15/03

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

Approved by

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

Date

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 reverse)

Chaves A Federal 6  
API 30-005-63571  
Chaves Co., NM

10/16/03 continued

formation broke back @3400#-2900# when acid hit formation @6 BPM, flush acid w/35 bbls 2% KCL, 15 BF over flush to bottom perf, SD, ISIP 560#, 5 min 360#, 10 min 330#, 15 min 320#, min PSI 2600#, max PSI 3400#, avg PSI 2900#, min rate 6 BPM, max rate 6 BPM, avg rate 6 BPM, bleed off pressure, release pressure, POOH LD 125 jts 2-3/8" tbg, SN, pkr & 8' sub, ND BOP & wellhead, NU frac valve, RD

10/23/03 RU Weatherford to frac Abo"B

test line & CO2 lines w/N2, load well w/23 BF, pump 5000 gal Aquavis 30G, pump 20,000 gal 65Q linear foam pad, frac w/45,000 gal 65Q linear foam, 150,090# 20/40 Brown sand

11/01/03 RIH w/2-3/8" notched collar, SN & 2-3/8" N-80 4.7# tubing, well flowing, kill w/10 bbls 2% KCL, ND BOP, NU wellhead, built tree, install gate & choke, SN @4219' KBM, hook up test separator