

New Mexico Oil Conservation Division, District I
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
1625 N. French Drive
Albuquerque, NM 87240

FORM 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 ☐ Other

2. Name of Operator
Chesapeake Operating, Inc.

3a. Address
P. O. Box 11050 Midland TX 79702-8050

3b. Phone No. (include area code)
(432) 687-2992

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1800' FNL & 1650' FEL, Section 5, T21S, R32E

5. Lease Serial No.

NMNM 04229C

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Little Eddy Unit #7

9. API Well No.

30-025-32602

10. Field and Pool, or Exploratory Area
Hat Mesa, Delaware

11. County or Parish, State
Lea
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 re-complete this well, per the attached procedure.



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

Brenda Coffman

Title Regulatory Analyst

Signature

Brenda Coffman

Date 12/09/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

(ORIG. SGD.) ALEXIS C. SWOBODA

PETROLEUM ENGINEER

Date

DEC 19 2005

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)

GWW

**RECOMPLETION PROCEDURE
LITTLE EDDY UNIT NO. 7
HAT MESA (DELAWARE) FIELD
OPERATOR: CHESAPEAKE ENERGY CORPORATION**

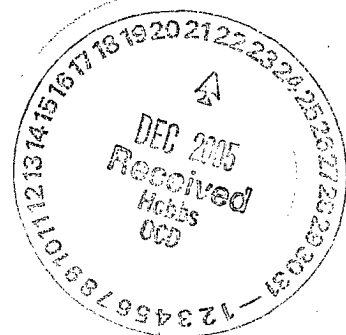
Summary: The proposed re-completion will be to test Delaware "I" sand pay. The existing retrievable bridge at 8,020' will be tested to 3,000 psig, and then capped with sand. The "I" zone will be perforated, broken down with acid, and fracture stimulated if needed.

Delaware "I" Procedure

1. MIRU WS. TOH w/ rods. ND WH. NU BOP. The last available report shows 260 jts of 2 7/8" tbg in the well.
2. RU kill truck. Circulate casing clean with 2% KCL wtr. Pressure test casing and RBP to 3,000 psig.
3. RU Service Company. PU tbg and spot 1,000 gals 7 1/2% HCL from \pm 7,150' to 6,150'.
4. TOH w/ tbg. RU WL Company (reference log is Schlumberger CNL dated 06-29-1995). TIH and perforate "I" sand with a 3 1/8" expendable casing gun as follows:

7,122' to 7,136' 2 JSPF 120 degree phasing 22.7 gram charges

5. TOH and check the perforating gun to make sure all shoots fired. Re-shoot as needed. RD WL.
6. Fill casing with 2% KCL water and break down the perforations with spot acid. Maximum pressure of 3,000 psig.
7. TIH w/ SN on 2 7/8" tbg to \pm 7,100'. RU swab. Swab well to determine fluid entry.
8. Evaluate swab results and frac if necessary as per the attached proposal.
9. Return the well to production.



PRELIMINARY FRAC DESIGN

FRACTURE TREATMENT SCHEDULE

CALCULATED RATES, PRESSURES & HHP

	Maximum	Minimum	Average
Surface Treating Pressure (psi)	2,506	1,322	1,995
Slurry Rate (bpm)	50.0	50.0	50.0
Proppant Rate (lbs/min)	14,410	2,010	8,971
Slurry Hydraulic Horsepower	3,070	1,620	2,444

PROCEDURE

stage	Fluid		Proppant			
	Type	Volume (gal)	Conc. (nna)	Type	Stage (lbs)	Cum (lbs)
1	Viking I 3000	20000				
2	Viking I 3000	4000	1.00	100%Sand, White, 16/30	4000	4000
3	Viking I 3000	6000	2.00	100%Sand, White, 16/30	12000	16000
4	Viking I 3000	7000	4.00	100%Sand, White, 16/30	28000	44000
5	Viking I 3000	8000	6.00	100%Sand, White, 16/30	48000	92000
6	Viking I 3000	8000	8.00	100%Sand, White, 16/30	64000	156000
7	Viking I 3000	4000	10.0	100%CR-4000, 16/30	40000	196000
8	10# Linear Gelled	7118				196000
Total		64118				196000

