

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

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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		8. Well Name and No. DANA FEDERAL 4
2. Name of Operator CHESAPEAKE OPERATING, INC.		9. API Well No. 30-005-61810
3a. Address P.O. BOX 18496 OKLAHOMA CITY, OK 73154-0496		10. Field and Pool, or Exploratory PECOS SLOPE; ABO (GAS)
3b. Phone No. (include area code) Ph: 405.879.9112 Fx: 405.879.9583		11. County or Parish, and State CHAVES COUNTY, NM
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 3 T09S R25E N2NE 2310FSL 1980FWL		

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

- 1) MIRU Service rig. Kill well w/2% KCL
- 2) ND well head, NU BOP, POOH w/2-3/8" tbg
- 3) RIH w/bit & scraper to PBTD 4145', POOH
- 4) MIRU wireline serv. co., set CIBP @3932', bail 1 sx cmt on plug
- 5) Load hole w/2% KCL & test csg & plug to 3000 psi.
- 6) Run strip log & correlate to the OH Neutron-Density log dated 10/15/82, Perf w/csg gun, Abo "B" 3796'-3806' & 3810-20' w/1 spf (20 holes), .42" hole, 23 gram charge, 60 degree phasing
- 7) MIRU Frac Serv. Co., NU frac valves, tie on to csg & establish rate w/2% KCL. Bullhead 1000 gal 15% NeFe acid, launch 20 ball sealers throughout job, displace w/2% KCL, obtain rates which limit pressure to a max of 3000#, obtain pre-frac data
- 8) Run gauge ring & clear perfs of ball sealers
- 9) Est. rate w/10,000 gal pad of 65Q linear foam w/additives per frac schedule, obtain rates

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

**Electronic Submission #24768 verified by the BLM Well Information System
For CHESAPEAKE OPERATING, INC., sent to the Roswell**

Name (Printed/Typed) BARBARA BALE

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 11/05/2003

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.

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Additional data for EC transaction #24768 that would not fit on the form

32. Additional remarks, continued

approaching 30 BPM, max press 3000#, frac w/25,000 gal 65Q linear foam & 75,000# 20/40 Brady
ramping from 1 to 5 lb/gal, displace to perms w/2% KCL, anticipated treating pressure 2500 psi,
RDMO frac crew.

10) RIH w/production tbg, land @approx 3780'.

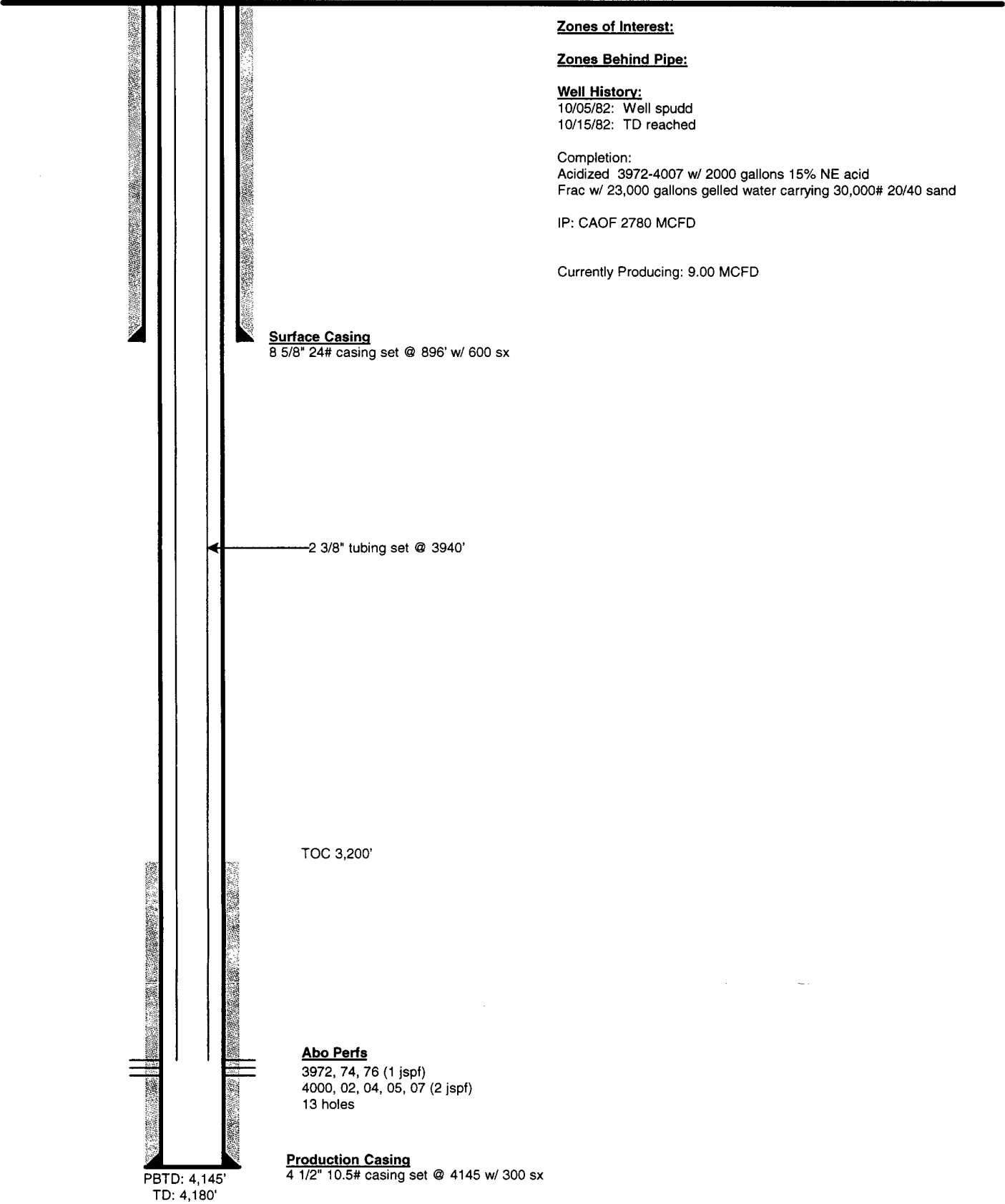
11) NU blow down line, swab well in & flow back frac. As well cleans up, tie into sales.

CURRENT WELLBORE SCHEMATIC

WELL : DANA FEDERAL #4
FIELD : PECOS SLOPE (ABO)
COUNTY : CHAVES STATE : NM
LOCATION : "K" SEC. 3-T9S-R25E (2310' FSL & 1980' FWL)
ELEVATION : GL 3,549' KB
API NO. : 30-005-61810



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PREPARED BY: David Zerger
UPDATED BY: _____

DATE: 7/26/02
DATE: _____