

New Mexico Oil Conservation Division, District I
UNITED STATES 1625 N. French Drive
DEPARTMENT OF THE INTERIOR Hobbs, NM 88240
BUREAU OF LAND MANAGEMENT

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)
990' FNL & 395' FEL, Sec. 4, T20S, R33E

5. Lease Serial No.
NMNM111243

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
Smith 4 Federal #2

9. API Well No.
30-025-36730

10. Field and Pool, or Exploratory Area
WTeas Yates Seven Rivers

11. County or Parish, State
**Lea
 New Mexico**

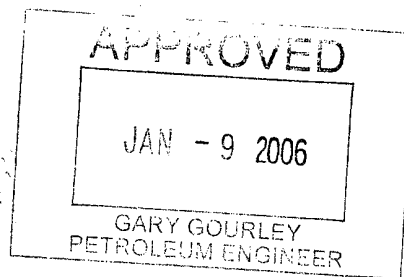
12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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 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 checked="" 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 convert this well to a salt water disposal well, per the attached procedure.

**SUBJECT TO
 LIKE APPROVAL
 BY STATE**



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

Brenda Coffman

Title **Regulatory Analyst**

Signature

Brenda Coffman

Date **12/19/2005**

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)

GWW

**Smith 4 Federal #2
CONVERSION PROCEDURE
Lea County, New Mexico**

GENERAL INFORMATION

Location: 990' FNL & 395' FEL, S4 – T20S – R33E

API No.: 35-025-36730

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>
8-5/8"	24# J55 LTC	0' - 1428'	8.097"	7.972"	2950	0'
5-1/2"	15.5# J55 LTC	0' - 3505'	4.950"	4.825"	4810	0'

Yates Sand perfs: 3215 – 64'

TD/PBTD: 3505' / 3469'

Conversion Procedure

- 1) MIRU workover unit, workstring, and reverse circulating equipment. NU BOP. RIH picking up bit and 2-7/8" workstring. Drill up cement and plug. Push to PBTD 3469'. Circulate hole clean. POOH laying down workstring.
- 2) RIH w/ 2-3/8" X 5-1/2" AD-1 pkr and 2-3/8" duoline tubing. Swing packer @ + 3165', circulate annulus with packer fluid, set packer. Pressure test annulus to 500#. ND BOP, NU injection well head.
- 3) Perform State witnessed MIT. RDMO workover unit.
- 4) Put well in service.
- 5) If pressure and injection rates necessitate, MIRU acid service company. Tie on to tubing and bullhead 1000 gal 15% NeFe acid into zone. Over-displace with 50 bbl of lease water.

CURRENT WELLBORE SCHEMATIC

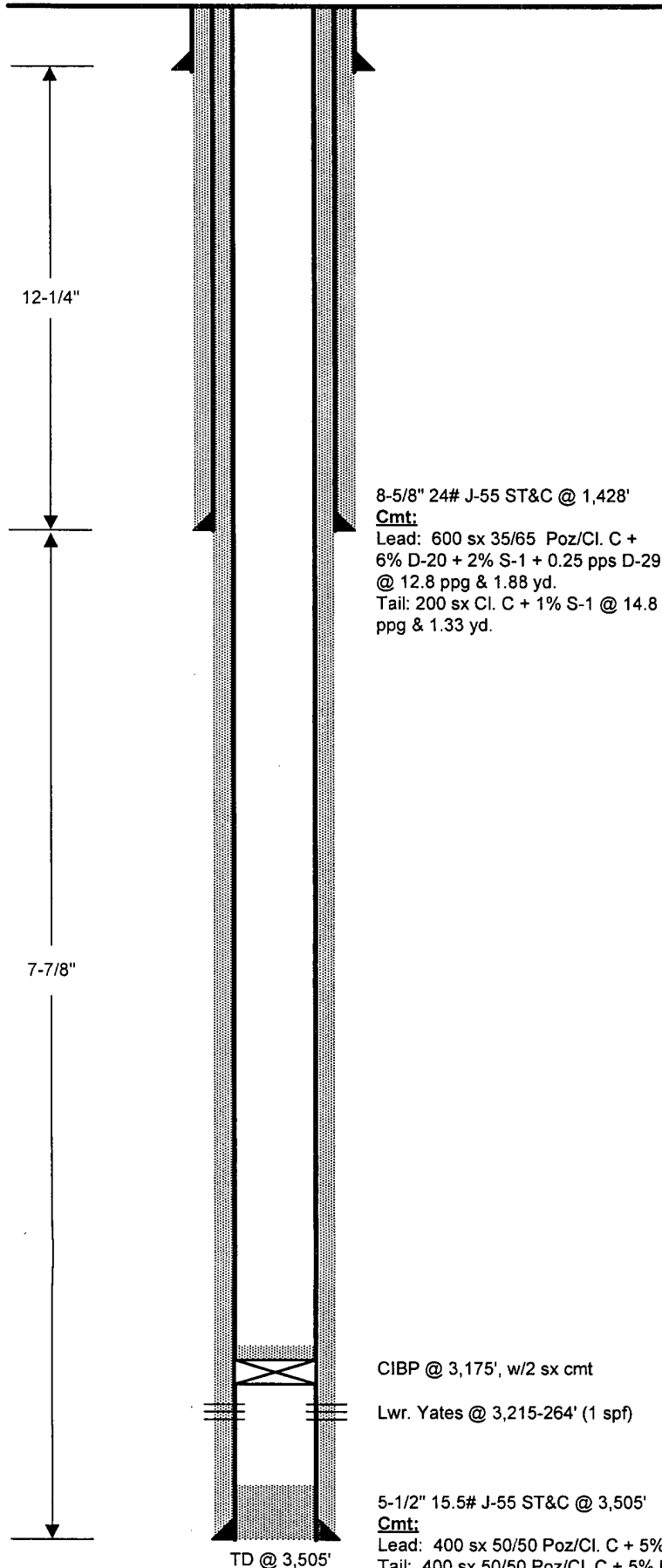
CHESAPEAKE OPERATING INC

WELL : SMITH 4 FEDERAL 2
FIELD : WEST TEAS
COUNTY : LEA STATE: NM
LOCATION : 990' FNL & 395' FEL, SEC. 4-T20S-R33E
ELEVATION : 3,568' GL 3,583' RKB



API #: 30-025-36730
SPUD DATE: 8/9/04
RIG RELEASED: 8/17/04
FIRST SALES: 9/16/04
CURRENT STATUS: TA

HOLE
SIZE



Well History:

COMPLETION

9/1-2/04 TIH w/ bit, BS, 6 DC's & tbg; tag PBTD 3469'. Test csg to 2000#. Pickle tbg w/ 7% HCl, TOH w/ bit & tbg. Run CBL/CCL/GR fr. PBTD @ 3469'-300' w/o press., 3469-2450' w/ 2000# on csg. Good bond. Perf Lwr. Yates @ 3215-264' w/ 1 spf. TIH w/ pkr, SN & tbg; set @ 3114'. TIH w/ swab, IFL @ surf, FFL 1500' in 3 runs.
9/3/04 Acidize w/ 1500 gal 15% NeFe & 60 BS; flush w/ 21 bbls 2% KCl. ISIP 1220#, 5'-925#, 10'-796#, 15'-710#. MTP 1585#, ATP 1250#, MTR 4.6 bpm, ATR 3.1 bpm. TIH w/ swab, IFL @ surface. Dried up after 6 runs, made hourly runs w/ 200' FE/hr.
9/7/04 SITP 15 psi. TIH w/ swab, IFL 1500'. Dried up after 2 runs, made hrlly runs, 600' FE/hr. Rec. 12 BF, 50% OC. Rel pkr & TOH.
9/8/04 Frac down csg w/ 21420 gal Viking I 25 pad @ 32 bpm & 2300#, followed by 34356 gal Viking I 25 w/ 20/40 brown sand ramped from 1 to 6 ppg @ 32 bpm & 2300#. Flush w/ 3066 gal 2% KCl. ISIP 2020#, 5'-1900#, 10'-1845#, 15'-1800#. MTP 2440#, ATP 2300#, MTR 36 bpm, ATR 32 bpm. TLTR 1400 bbls.
9/9-10/04 Well on vac. TIH w/ bit & DC's, tag sand @ 3340' & CO to PBTD. Circ clean. TOH w/ bit & DC's TIH w/ Arrowset pkr, SN & tbg; set pkr @ 3114'. TIH w/ swab, IFL 1300'. Dried up after 9 runs, made 4 hourly runs w/ 500-1000' FE/ hr, 30% OC.
9/11-14/04 SITP 45#. Swab; IFL 1500', dried up after 7 runs, 600' FE after 1 hr, 30% OC. Rel pkr, tag fill @ 3414' (55' fill). TOH w/ tbg & pkr. TIH w/ slick MJ, PS, SN, 5 jts tbg, TAC & 100 jts 2-7/8" tbg. Set TAC, TIH w/ GA, RHBC pump & rods. Space out, hang well on & test to 500#. LS well, respase, pumping good. RDMO.

04/20/05 POOH w/rods & pmp, rods pitted, LD bad rods.
04/21/05 Op well, unseat TAC, RIH w/5 jt 2-7/8" tbg, tag @ 3,435', 34' of fill. POOH w/4 jt 2-7/8" tbg. Add 1 jt tbg. Set TAC w/12 pt. RIH w/2-1/2" x 1-1/4" x 16' RHBC pmp, 30 - 7/8" rods, 89 - 3/4" rod & 9 - 1-1/2" k-bars. Pmpg gd. Repl. 40 - 3/4" rods & 10 - 7/8" rods, 5-1/2" TAC @ 3,116', SN @ 3,267', OPMJ @ 3,271'.
04/22/05 18 hr: 5 BO, 120 BW, 0 MCFG, TP 125#, CP 10#.
08/27/05 POOH, LD w/pmp & rods.
08/30/05 Rel TAC. POOH w/ MJ, perf sub, SN, 5 jt tbg & 5-1/2" TAC on 101 jt 2-7/8" L-80 tbg. RIH w/ 4.312" GR to 3,200', POOH. RIH, set 5-1/2" CIBP @ 3,175', dump 2 sx cmt on plug. RIH w/2-7/8" tbg op ended w/BOT @ 3,125'.
08/31/05 Load & test plug & csg. Temp Abandoned.

PREPARED BY Ginni A. Kennedy
UPDATED BY Linda S. Fries

DATE 8/18/04
DATE 12/19/05