

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

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.** ATTN: **LINDA GOOD**

3a. Address
P. O. BOX 18496, OKLAHOMA CITY, OK 73154-0496

3b. Phone No. (include area code)
405-767-4275

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1980 FNL & 1980 FEL, SWNE, Section 12, T9S, R25E

5. Lease Serial No.

NMNM 013978

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Leeman 12 Federal 6

9. API Well No.

30-005-63710

10. Field and Pool, or Exploratory Area
Pecos Slope

11. County or Parish, State

Chaves County, 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 type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" 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 plug and abandoned this well per the attached procedure.

(CHK PN 819541)



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

LINDA GOOD

Title **PERMITTING AGENT**

Signature

Linda Good

Date

09/05/2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by **/S/ DAVID R. GLASS**

PETROLEUM ENGINEER

Date

SEP 12 2006

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)

Accepted for record
NMOCD

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

Leeman 12 Federal 6
Plug and Abandonment Procedure
Chaves County, New Mexico

1. Notify the BLM and/or NMOCD 24 hrs in advance prior to commencing plug and abandonment operations.
2. MIRU Well Service Unit. ND wellhead. NU BOP. POOH with tubing.
3. Set a CIBP at 4290'. Bail 2 -- 3 sxs of cement on plug (35' minimum on plug). TIH w/ 2-3/8" tubing to new PBTD ~4255'. Circulate 4-1/2" casing with salt gel mud containing 9.5 pound brine and 25 lbs of gel per barrel.
4. Spot a 100' Class "C" Neat cmt plug from 2700-2800'. Shut in for 4 hrs and tag top of cement. Spot additional cement if needed.
5. Perforate 4 holes at 1050' and squeeze with sufficient cement (~40 sxs) to have a Neat cmt plug from 1050 - 950' (8-5/8" shoe). Shut in for 4 hrs and tag top of cement. Spot additional cement if needed.
6. Spot 60' Class "C" Neat cmt plug from 63-3'.
7. ND BOP. Cut off 8 - 5/8" and 4-1/2" casings 3' below Ground Level.
8. Weld on an ID plate. RD and release Well Service Unit. Restore location.

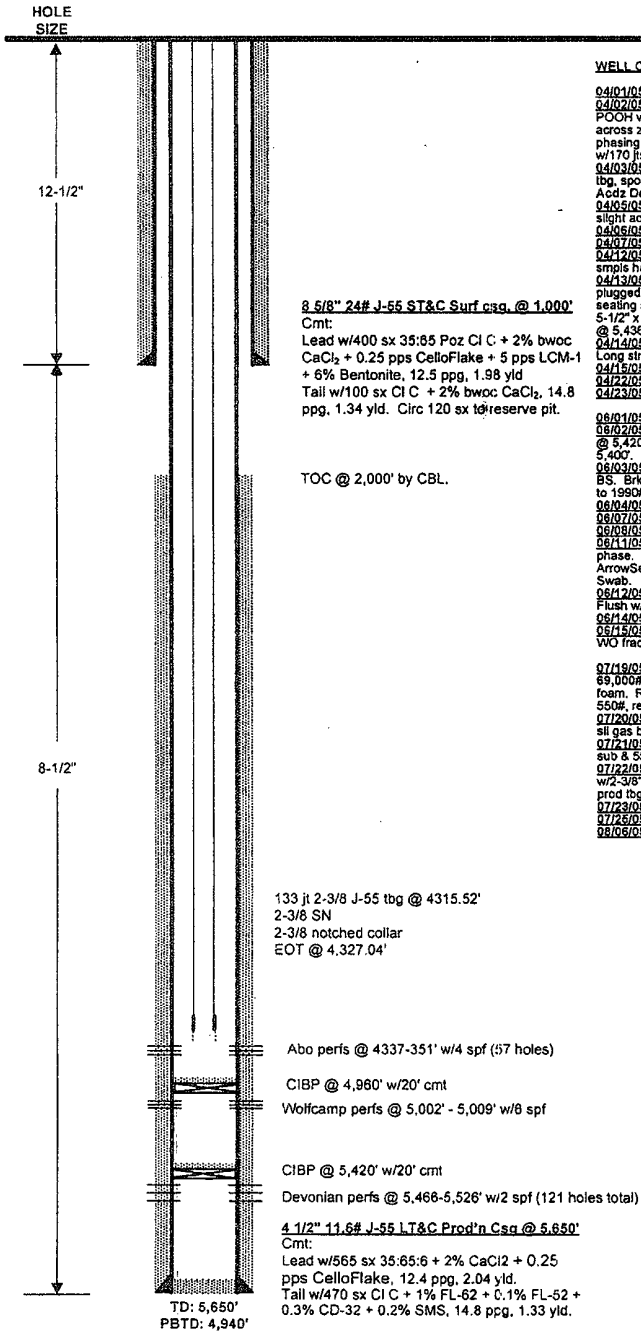
CURRENT WELLBORE SCHEMATIC

CHESAPEAKE OPERATING INC.



WELL : LEEMAN 12 FEDERAL 6
 FIELD : PECOS SLOPE (Abo)
 COUNTY : CHAVES STATE : NM
 LOCATION : 1,980' FNL & 1,980' FEL, SEC. 12, T9S, R25E
 ELEVATION : GL 3,669' KB 3,679'

API #: 30-005-63710
 SPUD DATE: 2/26/05
 RIG RELEASE DATE: 3/14/05
 COMPLETION DATE: 04/13/05
 1st SALES DATE: 04/21/05
 CHK PROPERTY #: 819541



WELL COMPLETION HISTORY:

04/01/05 RIH w/150 jts 2-3/8" 4.7# tbg.
 04/02/05 RIH w/2-3/8" tbg, tag PBTD @ 5,605'. Circ w/130 bbl 2% KCl to kill.
 POOH w/tbg & bit. Pull GR/CCL/CBL/VOL back to 3,600', good bond & isolation
 across zones of interest. Perf Devonian 5,466-526' w/2 spf, 121 holes, 120 deg
 phasing w/3-1/8" csg gun, FL 350', no change after perf. RIH
 w/170 jts 2-3/8" tbg to 5,300'.
 04/03/05 Pickle tbg w/125 gal 15% DINE acid. Pmp 200 gal 15% NEFe dwn
 tbg, spot across perms fr 5,528' and up. Set pkr @ 5,438'. Im broke @ 23708'.
 Acids Devonian w/2,300 gal 15% NEFe acid + 150 - 1.3" BS. FB then SIFBU.
 04/05/05 Swab, rec 108 BF
 slight acid odor, strong gas during and after swab runs.
 04/06/05 Acids Devonian perms 5,466-526' w/10,000 gal Ultra-gel 20% acid.
 04/07/05 Op on 48/64", flw 20 BLVW1 hr. Swab.
 04/12/05 Swab, IFL 2,100', rec 144 BW, large amts GC fluid, FFL 2,000'. Wtr
 samples have large amts iron content (black) w/iron odor.
 04/13/05 Blw dwn/30 mins w/no flw to surf. Ret pkr, POOH w/tbg & pkr. PU bull
 plugged mother hubbard slotted gas buster, 2-3/8" x 4' perf sub, mechanical
 seating shoe w/ 1" x 20' GA, 1-3/4" x 24' chrome ID barrel, 2 jts 2-3/8" J-55 tbg,
 5-1/2" x 2-3/8" TA, 40,000# shear & 167 lje 2-3/8" tbg, set TA w/15,000# tension
 @ 5,438'. bit tbg @ 5,590'. Pmp intake 5,570'. RIH w/ 9 - 1.5" K-bars.
 04/14/05 PU rods, sub, polished rod and polished rod liner, space rod 2' off bit.
 Long stroke pump, hole full, pressure to 600# in 3 strokes, clamp rods off.
 04/15/05 WOPL.
 04/22/05 First gas sales to Agave on 4/21/05
 04/23/05 24 hrs, 0 BO, 200 BW, 58 MCFG, TP 115#, CP 115# 39 BW, RTP.
 06/01/05 POOH w/rods, plunger & standing valve, rel TAC.
 06/02/05 Finish COH w/tbg, TAC, pmp barrel & BHA. RIH w/4-1/2" CIBP, set
 @ 5,420'. Perf Wolfcamp 5,002' - 5,009' w/8 spf. Spot 20' cmt on CIBP. PBTD
 5,400'.
 06/03/05 Swab. Acids Wolfcamp (5,002-009') w/2,000 gal 15% NEFe & 75 - 1.3"
 BS. Brk dwn @ 4150#. Pmp 10 bbls acid ahead, drop 8 BS/2 bbls, break back
 to 1980# @ 2.5 BPM. Good ball action. Swab. SIFBU.
 06/04/05 Swab, 7.5 BW, heavy GC.
 06/07/05 Acids Wolfcamp w/5,000 gal 20% Ultraget, acid on fm.
 06/08/05 Swab.
 06/11/05 RIH w/4-1/2" CIBP set @ 4,980'. Perf Abo 4,337-351' w/4 spf, 90#
 phase. Dump 20' cmt on top of CIBP, new PBTD @ 4,940'. PU 4-1/2"
 ArrowSet 1X pkr w/1.8" on/off tool, RIH w/131 jts 2-3/8" tbg, set pkr @ 4,276'.
 Swab.
 06/12/05 Acids Abo 4,337-351' w/2,000 gal 15% HCl NEFe w/100 1.3" BS.
 Flush w/20 bbl 2% KCl. Swab. SIFBU.
 06/14/05 Swab.
 06/15/05 LD 131 jt 2-3/8" prod tbg, LD pkr & on/off tool. Prep to set frac valve.
 WO frac.
 07/19/05 Frac Abo 4,337-51' w/ 33,700 gal 67Q binary foam containing
 69,000# 20/40 Brady sd ramped 0.25# - 4#. Flush w/3,400 gal 67Q binary
 foam. RU FB equipment. Op on 14/64". FCP 1425#, flow 15 hrs, FCP 1425# -
 550#, rec 113 BW w/CO₂ @ 40%. Cont flwg.
 07/20/05 Flow 13 hr on 14/64" - 20/64", FCP 550# - 80#, op on 2", bleed dwn to
 sil gas blw, rec 17 BW w/CO₂ @ 4%.
 07/21/05 Kill w/20 bbl 2% KCl. RIH w/3-7/8" bit, bit sub, 6 - 3 1/8" DCs, x-over
 sub & 55 jt 2-3/8" J-55 prod tbg.
 07/22/05 RIH w/BHA & 2-3/8" J-55 tbg, tag fill @ 4,890' (538' Rathole). POOH
 w/2-3/8" J-55 tbg. RIH w/2-3/8" notched collar, 2-3/8" SN & 139 jts 2-3/8" J-55
 prod tbg/ Land wrap-around.
 07/23/05 12 hrs on 48/64", rec 19 BW, CO₂ 50%, FTP 40# - 30#, SICP 70#
 07/25/05 24 hrs on 48/64", rec 6 BW, CO₂ 40%, FTP 15#, SICP 50#
 08/06/05 21 hrs, 0 BO, 0 BW, 53 MCFG, TP 110#, CP 120#, FINAL REPORT.

PREPARED BY: Linda S. Fries
 UPDATED BY: Linda S. Fries

DATE: 3/15/05
 DATE: 8/18/05
 AJM