

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other _____

2. Name of Operator
Chesapeake Operating, Inc.

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

3.a Phone No. (Include area code)
(432)687-2992

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At Surface 1980' FNL & 1980' FEL

At top prod. interval reported below 1980' FNL & 1980' FEL

At total depth 1980' FNL & 1980' FEL

RECEIVED

JUN 02 2005

OCD-ANTBOL

5. Lease Serial No.
NMNM13978

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and no.

8. Lease Name and Well No.

Leeman 12 Federal 6

9. API Well No.

30-005-63710

10. Field and Pool, or Exploratory

11. Sec., T., R., M., on Block and
Survey or Area

Sec. 12, T9S, R25E

12. County or Parish
Chaves

13. State
New Meico

17. Elevations (DF, RKB, RT, GL)*

3669' GR

14. Date Spudded

02/26/2005

15. Date T.D. Reached

03/13/2005

16. Date Completed

☐ D & A ☒ Ready to Prod.
05/13/2005

18. Total Depth: MD 5650
TVD

19. Plug Back T.D.: MD 5605
TVD

20. Depth Bridge Plug Set: MD
TVD

21. Type of Electric & Other Mechanical Logs Run (Submit copy of each)
Comp. Z, Densilog, DN/GR, DLL, MLL

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12 1/2	8 5/8	24#		1000		500 sx Poz C		Surface	
8 1/2	4 1/2	11.6#		5650		1035		2000	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8"	5590							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Devonian	5466	5526	5466 - 5526		121	2 spf - open
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
5466 - 5526	Acidize w/2300 gals 15% neFe acid + 150 - 1.3 BS + Acidize w/10,000 gal Ultra-gel 20%

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
04/21/05	05/12/05	24	→	0	32	94			
Choice Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						

Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						

(See Instructions and spaces for additional data on reverse side)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

30. Summary of Porous Zones (Include Aquifers):

Show all important zones or porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
	0	642	Limey shale	San Andres	642
	642	1789	Dolo, Lm, Sh	Glorietta	1789
	1789	3958	Dolo, Minor Anhy, sd, sh	Tubb	3220
	3958	4640	siltstone, sh, very fine sd	Abo	3958
	4640	5220	lm, sh	Wolfcamp	4640
	5220	5455	lm, dolo, sh w/minor sd	Penn	5220
	5455	5560	Dolo	Devonian	5455
	5560	5570	Sd, Sh, conglo & rock frag.	Granite	5570
	5570	5650	Granite Wash & Granite		

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geological Report 3. DST Report 4. Directional Survey
5. Sundry Notice for plugging and cement verification 6. Core Analysis 7. Other

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Brenda Coffman Title Regulatory AnalystSignature Brenda Coffman Date 05/27/2005

Title 18 U.S.C. Section 101 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 and false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DISTRICT I

1625 N. French Dr., Hobbs, NM 88240

DISTRICT II

811 South First, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102

Revised March 17, 1999

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-005-63710	Pool Code	Pool Name
Property Code	Property Name LEEMAN "12" FEDERAL	Well Number 6
OGRID No. 147179	Operator Name CHESAPEAKE OPERATING INC.	Elevation 3669'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	12	9 S	25 E		1980	NORTH	1980	EAST	CHAVES

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 37c	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p>RECEIVED JUN 02 2005 ODD-ARTESIA</p>	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. Signature Brenda Coffman Printed Name Regulatory Analyst Title May 31, 2005 Date
		SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. JULY 1 2004 Date Surveyed Signature & Seal of Professional Surveyor Gary L. Jones Certificate No. 4411 7977
		JLP
		BASIN SURVEYS

WELL NAME AND NUMBER Leeman 12 Federal No. 6

LOCATION Section 12, T9S, R25E, Chaves County NM

OPERATOR Chesapeake Operating, Inc.

DRILLING CONTRACTOR United Drilling, Inc.

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and had conducted deviation tests and obtained the following results:

<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>
<u>1/4° 230'</u>	<u>3/4° 3774'</u>	<u> </u>
<u>1/2° 750'</u>	<u>3/4° 4311'</u>	<u> </u>
<u>1/2° 1223'</u>	<u>1° 4814'</u>	<u> </u>
<u>1/2° 1727'</u>	<u>1° 5323'</u>	<u> </u>
<u>1/2° 2256'</u>	<u>3/4° 2650'</u>	<u> </u>
<u>1° 2730'</u>	<u> </u>	<u> </u>
<u>3/4° 3236'</u>	<u> </u>	<u> </u>
<u>3/4° 3774'</u>	<u> </u>	<u> </u>

Drilling Contractor United Drilling, Inc.

By: George A. Aho
George A. Aho

Title: Business Manager

Subscribed and sworn to before me this 16th day of March,
2004.

Carlue Martin
Notary Public

My Commission Expires: 100808

Chaves New Mexico
County State