

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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 860' FSL & 660' FWL

At top prod. interval reported below 860' FSL & 660' FWL

At total depth 860' FSL & 660' FWL

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5. Lease Serial No.
NMNM0559993

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and no.

8. Lease Name and Well No.
MM 25 Federal 12

9. API Well No.
30-005-63712

10. Field and Pool, or Exploratory
Pecos Slope; Abo

11. Sec., T., R., M., on Block and
Survey or Area Sec. 25, T9S, R25E

12. County or Parish Chaves 13. State New Mexico

14. Date Spudded
01/20/2005

15. Date T.D. Reached
02/02/2005

16. Date Completed
☐ D & A ☒ Ready to Prod.
02/12/2005

17. Elevations (DF, RKB, RT, GL)*
3594 GR

18. Total Depth: MD 4461
TVD 4461

19. Plug Back T.D.: MD 4373
TVD 4373

20. Depth Bridge Plug Set: MD
TVD

21. Type of Electric & Other Mechanical Logs Run (Submit copy of each)
GR/CCL/CBL/VDL

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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
11	8 5/8	24#			905'	500 sx Cl C		Surface	
7 7/8	4 1/2	11.6#			4460'	690 sx Cl		1880	

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	4066							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Abo	4116	4292	4116 - 4134		37	open
B)			4220 - 4292		41	open
C)						
D)						

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

Depth Interval	Amount and Type of Material
4220 - 4292	125 gals Dine 15% acid; spot 150 gals 15% NeFe + acidize w/1500 gals 15% NeFe acid+ 55 - 1.3 BS
4116 - 4134	Frac w/37,800 gals 65Q linear foam w/75,000# 20/40 Brady sand + acidize w/1000 gals 15% NeFe + 55 - 1.3 BS + frac w/67,280 gals 65Q foam w/158,000# 20/40 Brady sand

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
02/18/05	04/17/05	24	→	0	267	4			Flowing
Choice Size	Tbg. Press. Flwg. SI	Csg. Press. 135	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
20/64"		230	→	0	267	4		producing	

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	
			→						

ACCEPTED FOR RECORD

MAY 12 2005

ARMANDO A. LOPEZ
PETROLEUM ENGINEER

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	530	Limestone/Shale/Dolomite	San Andres	530
	530	1240	Dolomite	Glorietta	1920
	1240	1440	Limestone	Tubb	3112
	1440	1685	Dolomite	Abo	3857
	1685	1920	Sandstone & Siltstone		
	1920	3112	Limestone/Dolo/shale		
	13112	3500	Siltstone/sand/Carbonate		
	3500	3860	Dolomite		
	3860	4461	Siltstone/shale/very fine sand		

32. Additional remarks (include plugging procedure):

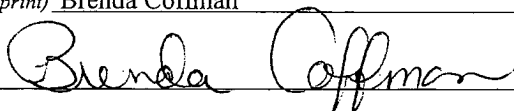
33. Circle enclosed attachments:

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 CoffmanTitle Regulatory Analyst

Signature

Date 04/28/2005

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.

WELL NAME AND NUMBER MM 25 Federal No. 12
LOCATION 860' FSL c 660' FWL, Section 25, T9S, R25E, Chaves County NM
OPERATOR Chesapeake Operating, Inc. (30-015-63712)
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° 200'</u>	<u>3/4° 4322'</u>	<u> </u>
<u>1/4° 697'</u>	<u> </u>	<u> </u>
<u>1/4° 1198'</u>	<u> </u>	<u> </u>
<u>1/4° 1702'</u>	<u> </u>	<u> </u>
<u>3/4° 2266'</u>	<u> </u>	<u> </u>
<u>3/4° 2805'</u>	<u> </u>	<u> </u>
<u>1/2° 3310'</u>	<u> </u>	<u> </u>
<u>1/2° 3817'</u>	<u> </u>	<u> </u>

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MAY 11 2005
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Drilling Contractor United Drilling, Inc.

By: George A. Aho
George A. Aho

Title: Business Manager

Subscribed and sworn to before me this 4th day of February,
2005

Carlene Martin
Notary Public

My Commission Expires: 100808

Chaves New Mexico
County State

