

(August 1999)

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 660' FSL & 990' FWL

At top prod. interval reported below 660' FSL & 990' FWL

At total depth 660' FSL & 990' FWL

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ODD:ARTERIA

5. Lease Serial No.
NMNM-26067

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and no.

8. Lease Name and Well No.

JJ 1 Federal 004

9. API Well No.

30-005-63711

10. Field and Pool, or Exploratory

Pecos Slope:Abo

11. Sec., T., R., M., on Block and

Survey or Area Sec. 1, T10S, R25E

12. County or Parish

Chaves

13. State

New Mexico

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

3722 GR

14. Date Spudded

01/04/2005

15. Date T.D. Reached

01/16/2005

16. Date Completed

☐ D & A ☒ Ready to Prod.

02/03/2005

18. Total Depth: MD 4612
TVD 4612

19. Plug Back T.D.: MD 4505
TVD 4505

20. Depth Bridge Plug Set: MD
TVD

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

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#	0	641'	641'	250 sx C		0	
7 7/8"	4 1/2"	11.6#	3642	4612	4612'	300sx C		3642	

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"	4005							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) ABO	4066	4326	4066 - 4326		41	Open
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
4330 - 4255	150 gals 15% NeFe + 1500 gals 15% hCL NeFe acid + ball sealers
4306 - 4326	65,070 gals 30# gel, 65Q foam, 140,000# sand, flush w/10 bbls CO2 foam, finish w/26 bbls 2% KCL
4066 - 4211	Acidize Abo w/1000 gals 15% NeFe + BS, Frac w/10,000 gals 65Q pad, 30# linear foam + 25,000 gals 65Q linear foam, ramp 81,000# 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
02/02/05	02/16/05	24	→	0	351	2			flowing
Choice Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
open	300	300	→	0	351	2		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. SI	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	1320	Dolo/sh	San andres	690
	1320	1600	Lm	Glorietta	1850
	1600	1690	Dolo/sh	Tubb	3278
	1690	1850	Lm	Abo	4016
	1850	2000	Silt/anhysd/lm		
	2000	3270	Lm/sd/siltstone		
	3270	3620	siltstone/clay		
	3620	4015	Lm/Dolo		
	4015	4612	Shale/sd		

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 Analyst

Signature



Date 02/19/2005

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 87506

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 30-005-63711	Pool Code 82730	Pool Name Pecos Slope, Abo
Property Code 34479	Property Name JJ1 FEDERAL	Well Number 4
OGRID No. 147179	Operator Name CHESAPEAKE OPERATING INC.	Elevation 3722

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	1	10 S	25 E		660	SOUTH	990	WEST	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 160	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>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Brenda Coffman</i> Signature Brenda Coffman Printed Name Regulatory Analyst Title 2-21-05 Date</p> <p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>JUNE 29, 2004 Date Surveyed <i>Gary L. Jones</i> Signature Professional Surveyor W.O. No. 4408 Certificate No. 7977 JLP BASAL SURVEYS</p>
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WELL NAME AND NUMBER J.J. Federal Com No. 4
LOCATION SW Corner of Section 1, T10S, 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>1/2° 206'</u>	<u>3/4° 4216'</u>	<u></u>
<u>1° 688'</u>	<u></u>	<u></u>
<u>1/4° 1191'</u>	<u></u>	<u></u>
<u>1° 1694'</u>	<u></u>	<u></u>
<u>3/4° 2198'</u>	<u></u>	<u></u>
<u>1-1/4° 2705'</u>	<u></u>	<u></u>
<u>3/4° 3237'</u>	<u></u>	<u></u>
<u>3/4° 3743'</u>	<u></u>	<u></u>

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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 19th day of January,
2005.

Carlene Martin
Notary Public

My Commission Expires: 10-08-08

Chaves New Mexico
County State