

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DEC 04 2008

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

BY: *lg*5. Lease Serial No.
NMNM17224

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
QUEEN LAKE 20 FEDERAL 2H9. API Well No.
30-015-36444-00-S110. Field and Pool, or Exploratory
PIERCE CROSSING11. Sec., T., R., M., or Block and Survey
or Area Sec 20 T24S R29E Mer NMP12. County or Parish
EDDY13. State
NM17. Elevations (DF, KB, RT, GL)*
2950 GL1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Otherb. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other2. Name of Operator
CHESAPEAKE OPERATING, INC. E-Mail: linda.good@chk.com

Contact: LINDA GOOD

3. Address
OKLAHOMA CITY, OK 73154-04963a. Phone No. (include area code)
Ph: 405-767-4275

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

At surface Sec 20 T24S R29E Mer NMP
SWSE 350FSL 1650FEL

At top prod interval reported below

Sec 20 T24S R29E Mer NMP

At total depth SWSW 375FSL 359FWL

14. Date Spudded
08/21/200815. Date T.D. Reached
09/26/200816. Date Completed
☐ D & A ☒ Ready to Prod.
11/01/200818. Total Depth: MD 10802
TVD 751919. Plug Back T.D.: MD 10719
TVD 743620. Depth Bridge Plug Set: MD
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
MEMORYSHUTTLECP MEMORYSHUTTLEDD22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit analysis)

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
17.500	13.375 H-40	48.0		655		765		0	
12.250	9.625 J-55	40.0		2800		1305		0	
8.500	5.500 N-80	17.0		10802		1850		2300	
17.500	13.375 H-40	48.0	0	655		985		0	
12.250	9.625 J-55	40.0	0	2800		1305		0	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	7147							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	7751	8312	7751 TO 8312		30	OPEN
B)			7751 TO 8312		30	open
C)			8524 TO 9100		30	OPEN
D)			8524 TO 9100		30	open, CBP @ 8400

26. Perforation Record

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

Depth Interval	Amount and Type of Material
7751 TO 8312	FRAC W/191982 GAL B FRAC 25, 300060# 20/40 WHITE SD, W/50,060# 20/40 SB-EXCEL
7751 TO 8312	gal B Frac 25, 300000# 20/40 WS, 50060# 20/40 SB Excel
8524 TO 9100	gal B Frac 25, 299700# 20/40 WS, 50180# 20/40 SB Excel
8524 TO 9100	FRAC W/189504 GAL B FRAC 25, 299700# 20/40 WHITE SD, W/50180# 20/40 SB-EXCEL

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
11/05/2008	11/19/2008	24	→	433.0	1199.0	390.0			FLOW FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
25/64	SI	870	→	433	1199	390		POW	

28a. 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
			→						NOV 30 2008
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

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

ELECTRONIC SUBMISSION #64995 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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.)
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of 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
BASE OF SALT	2862	2910	LIMESTONE		
BELL CANYON	2910	5396	SAND/SILT/SHALE		
BRUSHY CANYON	5396	6976	SAND/SILT/SHALE		
BONE SPRING	6976	10802	LIMESTONE		

32. Additional remarks (include plugging procedure):

LOGS BEING SENT TO JERRY FANT VIA UPS OVERNIGHT MAIL.

#44 CONT'D:

9995-10603: TAILING W/50000# 20/40 SB EXCEL, FLUSH W/246 BBL SLICK WATER.

ATTACHED ARE THE DEVIATION REPORT AND DIRECTIONAL SURVEY.

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic 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):

Electronic Submission #64995 Verified by the BLM Well Information System.

For CHESAPEAKE OPERATING, INC., sent to the Carlsbad

Committed to AFMSS for processing by KURT SIMMONS on 11/24/2008 (09KMS0382SE)

Name (please print) LINDA GOOD

Title REGULATORY COMPLIANCE SPEC.

Signature (Electronic Submission)

Date 11/21/2008

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.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

Additional data for transaction #64995 that would not fit on the form

26. Perforation Record, continued

Perf Interval	Size	No. Holes	Perf Status
9238 TO 9810		30	open, CBP @ 9175
9238 TO 9810		30	OPEN
9995 TO 10603		30	open, CBP @ 9900
9995 TO 10603		30	OPEN

27. Acid, Fracture, Treatment, Cement Squeeze, etc., continued

Depth Interval	Amount and Type of Material
9238 TO 9810	gal B Frac 25, 292890# 20/40 WS, 50000# 20/40 SB Excel
9238 TO 9810	gal 15% NEFE acid
9238 TO 9810	FRAC W/185976 GAL B FRAC 25, 292890# 20/40 WHITE SD, W/50000# 20/40 SB EXCEL
9995 TO 10603	gal B Frac 25, 306884# 20/40 WS, 50000# 20/40 SB Excel
9995 TO 10603	ACID W/3000 GAL 15% NEFE + 50 BS, FRAC W/196686 GAL B FRAC, 306883# 20/40 WHITE SD, (SEE REMARKS)
9995 TO 10603	gal 15% NEFE acid, 50 BS

32. Additional remarks, continued

(CHK PN 618435)