

RECEIVED

Form 3160-1  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

MAY 27 2008

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5 Lease Serial No  
NMNM111960

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

6 Indian, Allottee or Tribe Name

7 Unit or CA Agreement Name and No.

2 Name of Operator  
CHESAPEAKE OPERATING, INC Contact: LINDA GOOD  
E-Mail: linda.good@chk.com

8 Lease Name and Well No  
LOTOS 15 FEDERAL 1

3 Address  
OKLAHOMA CITY, OK 73154-0496

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

9 API Well No.  
30-015-36064-00-S1

4 Location of Well (Report location clearly and in accordance with Federal requirements)\*  
Sec 15 T24S R31E Mer NMP  
At surface SESE 330FSL 330FEL

10 Field and Pool, or Exploratory  
POKER LAKE

11 Sec, T, R., M., or Block and Survey  
or Area Sec 15 T24S R31E Mer NMP

12 County or Parish  
EDDY

13 State  
NM

At top prod interval reported below  
At total depth

JUN 04 2008  
OCD-ARTESIA

14 Date Spudded  
01/30/2008

15 Date T.D. Reached  
02/19/2008

16 Date Completed  
☐ D & A ☒ Ready to Prod  
04/01/2008

17 Elevations (DF, KB, RT, GL)\*  
3565 GL

18 Total Depth MD  
TVD 8664

19 Plug Back T.D. MD  
TVD 8569

20 Depth Bridge Plug Set MD  
TVD

21 Type Electric & Other Mechanical Logs Run (Submit copy of each)  
DLT MSFLSDLT DSNT

22. 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		770		650		0	
11.000	8.625 K-55	32.0		4350		1100		0	
7.875	5.500 L-80	17.0		8664		620		3850	
17.500	13.375 K-55	48.0	0	770		650		0	
11.000	8.625 K-55	32.0	0	4350		1100		0	
7.875	5.500 N-80	17.0	0	8664		620		3850	

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	8468							

25. Producing Intervals

26 Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) DELAWARE	6892	6900	6892 TO 6900		32	OPEN
B)			7065 TO 7365		46	OPEN
C)			7539 TO 7560		12	OPEN
D)			7539 TO 7560		12	2 spf open

27 Acid, Fracture, Treatment, Cement Squeeze, Etc

Depth Interval	Amount and Type of Material
6892 TO 6900	ACID W/2000 GAL 15% NEFE W/BALL SLRS - FRAC W/19,500 GAL BFRAC 25 X-LINK GEL, (SEE REMARKS)
7065 TO 7365	ACID W/3000 GAL 15% NEFE W/BALL SLRS - FRAC W/60,000 GAL BFRAC 25 X-LINK GEL, (SEE REMARKS)
7539 TO 7560	ACID W/2000 GAL 15% NEFE W/BALL SLRS - FRAC W/15,000 GAL BFRAC 25 X-LINK GEL, (SEE REMARKS)
7539 TO 7560	gal acid across perms, acidize w/2000 gal 15% NEFE w/ball sealers

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
04/06/2008	05/08/2008	24	→	173.0	172.0	300.0			ELECTRIC PUMPING UNIT
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
	SI		→	173	172	300		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
			→						
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 #60203 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

## 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
PERMIAN RED BEDS	0	1063	RED BEDS		
CASTILE	1063	4297	SALT/ANHYDRITE		
LAMAR	4297	4557	LIMESTONE		
BELL CANYON	4557	5599	SAND/SILT/SHALE		
BRUSHY CANYON	6671	8377	SAND/SILT/SHALE		
BONE SPRING	8377	8500	LIMESTONE		

## 32. Additional remarks (include plugging procedure):

CONT'D FROM #44 - PERFS & TREATMENT.

8164'-8312' 77,000# 20/40 WHITE SD, 24,000# 20/40 SUPER LC.

7539'-7560' 28,000# 20/40 WHITE SD, 12,000# 20/40 SUPER LC.

7065'-7365' 115,000# 20/40 WHITE SD, 39,000# 20/40 SUPER LC.

## 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 #60203 Verified by the BLM Well Information System.  
For CHESAPEAKE OPERATING, INC., sent to the Carlsbad  
Committed to AFMSS for processing by KURT SIMMONS on 05/12/2008 (08KMS1706SE)

Name (please print) LINDA GOOD

Title REGULATORY COMPLIANCE SPECIALI

Signature (Electronic Submission)

Date 05/09/2008

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 \*\***

**Additional data for transaction #60203 that would not fit on the form**

**26. Perforation Record, continued**

Perf Interval	Size	No. Holes	Perf Status
8164 TO 8312		38	OPEN
8164 TO 8312		38	1 spf. below CBP @7900

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

Depth Interval	Amount and Type of Material
8164 TO 8312	gal 30# B Frac 25 x-link gel containing 77k# 20/40 white sand, 24K# 20/40 super LC
8164 TO 8312	gal 15% NEFE + 60 BS
8164 TO 8312	ACID W/5000 GAL 15% NEFE + 60 BALL SLRS, FRAC W/40,000 GAL 30# BFRAC 25 X-LINK GEL, (SEE REMARKS)

**32. Additional remarks, continued**

6892'-6900' 39,000# 20/40 WHITE SD, 12,000# 20/40 SUPER LC.

DEVIATION REPORT ATTACHED.

LOGS WILL BE OVERNIGHTED TONIGHT TO JERRY FANT W/BLM.

(CHK PN 615815)

**Additional data for EC transaction #60202 that would not fit on the form**

**32. Additional remarks, continued**

RIG CUDD DOWN.

4/01/2008 DRILL OUT CBP'S @ 7900', 7463' & 6990 TO PBTD @ 8569'.

(CHK PN 615815)

OPERATOR CHESAPEAKE OPERATING, INC.  
WELL/LEASE LOTUS 15 FED. 1  
COUNTY EDDY

142-0060

STATE OF NEW MEXICO  
DEVIATION REPORT

187	0.25	5,568	0.70
429	0.75	5,664	0.60
622	0.50	5,792	0.80
770	0.50	5,887	0.50
948	0.50	5,983	1.00
1,172	0.25	6,079	0.60
1,395	1.00	6,173	1.20
1,619	0.50	6,367	0.10
1,844	1.00	6,422	0.90
2,069	1.00	6,518	0.90
2,290	1.25	6,613	0.50
2,544	0.75	6,709	0.20
2,739	0.50	6,847	0.70
2,963	1.00	7,007	0.40
3,188	1.00	7,167	1.40
3,410	1.00	7,325	1.50
3,634	1.00	7,444	1.60
3,857	1.75	7,603	0.70
3,984	2.00	7,804	2.10
4,144	1.75	7,965	1.60
4,289	1.75	8,125	2.00
4,419	0.50	8,285	0.90
4,515	0.90	8,614	0.60
4,611	1.90		
4,707	1.40		
4,795	1.10		
4,856	0.10		
4,900	0.10		
4,995	1.10		
5,090	0.70		
5,187	0.40		
5,283	0.90		
5,379	0.60		
5,474	0.70		

BY: Steve Moore

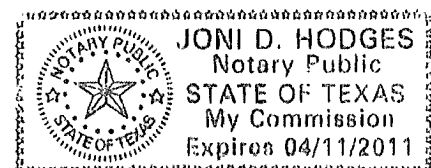
STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on  
Moore on behalf of Patterson-UTL Drilling Company LLC.

Joni D. Hodges  
Notary Public for Midland County, Texas  
My Commission Expires: 4/11/11

February 29, 2008 , by Steve





JUN 04 2008  
OCD-ARTESIA

Regulatory Department

Date May 30, 2008

Re: Lotos 15 Federal # 1  
Sec. 15, T-24-S R-31-E  
330' FNL & 330' FEL  
Eddy County, NM  
API # 30-015-36064

7-1-08

New Mexico Oil Conservation Division  
1301 W. Grand Ave.  
Artesia, NM 88210

Dear Sirs/Madams:

Enclosed, for your consideration and approval, is form C-105 Completion Report, C-104 Request for allowable and authorization to transport, Inclination report and electric logs.

Chesapeake, respectfully, request that the completion report and logs, for the subject well be held confidential for the maximum period of time.

Yours truly,

A handwritten signature in cursive script, appearing to read "Bryan G. Arrant".

Bryan G. Arrant  
Chesapeake Energy Corp.  
Senior Regulatory Compliance Specialist  
Enterprise Plaza  
Phone: 405-879-3782  
Fax: 405-879-7911  
E-mail: bryan.arrant@chk.com