

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other						5. Lease Serial No. NMNMA15688A																	
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr., Other _____						6. If Indian, Allottee or Tribe Name																	
2. Name of Operator CHESAPEAKE OPERATING, INC.						7. Unit or CA Agreement Name and No.																	
3. Address P.O. BOX 18496, OKLAHOMA CITY, OK 73154-0496				3a. Phone No. (include area code) 405-767-4275		8. Lease Name and Well No. H&K 18 FEDERAL 1																	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 925 FSL 835 FWL SWSW At top prod. interval reported below SAME At total depth SAME						9. AFI Well No. 30-015-34360 0051																	
14. Date Spudded 12/20/2005						15. Date T.D. Reached 01/04/2006						16. Date Completed 01/12/2006 ☐ D & A ☒ Ready to Prod.						10. Field and Pool, or Exploratory UND. INDIAN DRAW; DEL					
																		11. Sec., T., R., M., on Block and Survey or Area 18-22S-28E					
18. Total Depth: MD 4525 TVD						19. Plug Back T.D.: MD 4474 TVD						20. Depth Bridge Plug Set: MD 4410 TVD											
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) DLL SDL DSNL												22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit report) 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					
12 1/4		8 5/8		24#				450				285 Class C				Surface							
7 7/8		5 1/2		15.5#				4523				1020 Class C				Surface							
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 7/8		3312		3001																			
25. Producing Intervals												26. Perforation Record											
Formation				Top				Bottom				Perforated Interval				Size		No. Holes		Perf. Status			
A) DELAWARE												3110-3230						131		OPEN			
B)																							
C)																							
D)																							
27. Acid, Fracture, Treatment, Cement Squeeze, etc.																							
Depth Interval								Amount and Type of Material															
3110-3124								Acid w/1500 gal 7 1/2% NeFe HCL w/200 gal methanol, Frac w/79,008 gal PW 16,000# 20/40 sd															
3178-3230								Acid w/1300 gal 7 1/5% HCL, Frac w/93,758 gal PW w/20,000# 14/30 Lite Prop 125															
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					
01/30/2006		03/08/2006		24		→		8		0		408						PUMP					
Choke Size		Tbg Press Flwg SI		Csg Press		24 Hr Rate		Oil BBL		Gas MCF		Water BBL		Gas/Oil Ratio		Well Status		PRODUCING					
						→		8		0		408											
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							
						→																	

*(See instructions and spaces for additional data on page 2)

ACCEPTED FOR RECORD

MAR 21 2006

DAVID R. GLASS
PETROLEUM ENGINEER

RECEIVED

TOBBS OCD

MAR 19 2008

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 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
	0	1000	RED BEDS	BELL CANYON	2400
	1000	2300	TANSILL SALT & ANHY	CHERRY CANYON	3152
	2300	2400	LAMAR LIME	BRUSHY CANYON	4412

32. Additional remarks (include plugging procedure):

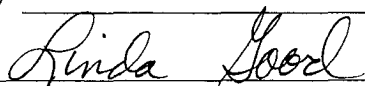
33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ 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) LINDA GOODTitle PERMITTING AGENT

Signature

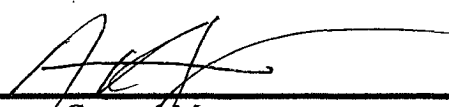
Date 03/15/2006

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.

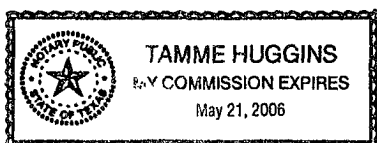
Chesapeake Operating Co.
6100 N. Western Ave.
Oklahoma City, OK. 73118

H & K 18 Federal # 5
Eddy County, New Mexico

258	2.58	1/2	0.88	2.26	2.26
450	1.92	1 1/4	2.19	4.20	6.46
766	3.16	2 3/4	4.81	15.21	21.67
920	1.54	2 3/4	4.81	7.41	29.08
983	0.63	3 1/4	5.69	3.58	32.66
1046	0.63	1 3/4	3.06	1.93	34.59
1078	0.32	2	3.50	1.12	35.71
1142	0.64	2 1/4	3.94	2.52	38.23
1248	1.06	2 3/4	4.81	5.10	43.33
1312	0.64	2 3/4	4.81	3.08	46.41
1407	0.95	2 3/4	4.81	4.57	50.98
1503	0.96	4 1/4	7.44	7.14	58.12
1566	0.63	4 1/4	7.44	4.69	62.81
1630	0.64	4 1/4	7.44	4.76	67.57
1693	0.63	4 1/4	7.44	4.69	72.25
1756	0.63	3 3/4	6.56	4.13	76.39
1851	0.95	3	5.25	4.99	81.38
1942	0.91	3	5.25	4.78	86.15
2005	0.63	3	5.25	3.31	89.46
2069	0.64	1 3/4	3.06	1.96	91.42
2164	0.95	1 1/2	2.63	2.49	93.91
2228	0.64	1 1/4	2.19	1.40	95.31
2355	1.27	1 3/4	3.06	3.89	99.20
4156	18.01	3/4	1.31	23.64	122.84
4525	3.69	3/4	1.31	4.84	127.68


Archie Brown - General Manager

The attached instrument was acknowledged before me on the 22nd day of Feb, 2006 by Archie Brown- General Manager, CapStar Drilling L.P.




Notary Public