

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
OMB NO. 1004-0137
Expires: March 31, 2007

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 1980' FSL & 1980' FWL

At top prod. interval reported below 1980' FSL & 1980' FWL

At total depth 1980' FSL & 1980' FWL

RECEIVED

FEB 02 2006

OCD-ARTESIA

5. Lease Serial No.
NMNM70895

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and no.

8. Lease Name and Well No.

Lotos B Federal 1

9. API Well No.

30-015-26395

10. Field and Pool, or Exploratory

Undesignated: Brushy Canyon

11. Sec., T., R., M., on Block and
Survey or Area 10, T24S, R31E

12. County or Parish

Eddy

13. State

New Mexico

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

3457 GR

14. Date Spudded

09/20/2005

15. Date T.D. Reached

16. Date Completed

☐ D & A ☒ Ready to Prod.

10/14/2005

18. Total Depth: MD 14997
TVD

19. Plug Back T.D.: MD 8320
TVD

20. Depth Bridge Plug Set: MD 3350
TVD

21. Type of Electric & Other Mechanical Logs Run (Submit copy of each)
None

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 Cement Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
26	20	106.5			671	725		0	
17 1/2	13 3/8	61,68,72			4316	3742		0	
12 3/4	9 5/8	43,47.3			11750	350		10430	
6 1/2	5 1/2	23			11387	200		11387 liner top	

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	8212							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Brushy Canyon	8185	8210	8185 - 7219		57	Open
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
8185 - 7219	200 gal 7.5% HCL + 200 gal/1000 methanol + additives. Acdz w/1300 gal 7.5% HCL: Frac w/87,700 gals PW 9.5# cont. 31,680# prop (1000# 20/40 Brady sd, 25,250# 14/30 Liteprop 125 & 5430# 16/30 Super LC w/superset

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
111=15/05/30/0524			→	10	3	348			pumping
Choice Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→	10	3	348	300	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	
			→						

(See Instructions and spaces for additional data on page 2)

ACCEPTED FOR RECORD
pumping

JAN 31 2006

GARY GOURLEY
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.

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth

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.)
 ☐ Geological 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) Brenda CoffmanTitle Regulatory Analyst

Signature

Brenda CoffmanDate 01/25/2006

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.

Lot 3 B Fed #1 30-015-26395

37. SUMMARY OF POROUS ZONES: (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):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Basal Brushy Canyon	7984	8116	Sandstone w/minor shale DST #1 (8000-8150)	Delaware	4414	4414
Basal Brushy Canyon	8160	8262	Sandstone w/minor shale DST #2 (8166-8312)	Cherry Canyon	5304	5304
Strawn	13560	13588	Cheaty, sandstone - gas	Brushy Canyon	7254	7254
Middle Morrow	14780	14864	Sandstone - gas	Bone Spring	8280	8280
Middle Morrow	14964	14988	Sandstone - gas (pay zone)	Wolfcamp	11574	11574
			DST's were sent on Sundrys	Strawn	13512	13512
				Atoka	13683	13683
				Morrow	14157	14157
				Middle Morrow	14760	14760

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number 30-015-26395	'Pool Code 33745	'Pool Name Indefinite Wells; Delaware
'Property Code 26020	'Property Name Lotos B Federal	'Well Number 1
'OGRID No. 147179	'Operator Name Chesapeake Operating Inc.	'Elevation 3457

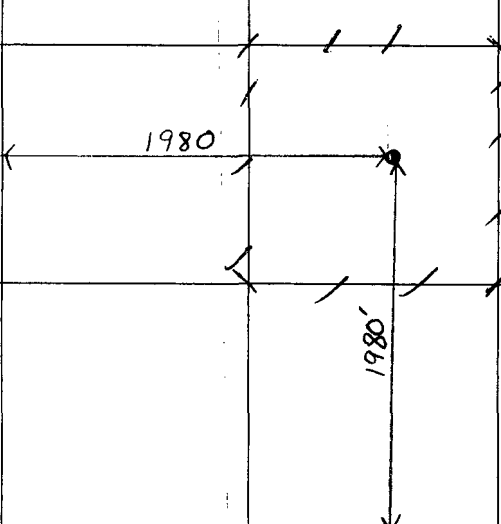
10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	10	24S	31E		1980	South	1980	West	Eddy

11 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 40	" 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.

16		RECEIVED JAN 31 2006 OIL MINES DIV	17 OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> Signature: <u>Brenda Coffman</u> Date: <u>01/25/2006</u> Printed Name: <u>Brenda Coffman</u>
			18 SURVEYOR CERTIFICATION <i>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.</i> Date of Survey Signature and Seal of Professional Surveyor: Certificate Number