

Submit To: Appropriate District Office
State Lease - 6 copies
Fee Lease - 5 copies
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 and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-105
Revised June 10, 2003

WELL API NO.

9815-35352

5. Indicate Type of Lease

STATE ☒ FEE ☐

State Oil & Gas Lease No.

WELL COMPLETION REPORT AND LOG

1a. Type of Well:

OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

b. Type of Completion:

NEW ☒ WORK ☐ DEEPEN ☐ PLUG ☐ DIFF.
WELL OVER BACK RESVR. ☐ OTHER ☐

2. Name of Operator

Chesapeake Operating Inc.

3. Address of Operator

2010 Rankin Hwy Midland, TX 79701

4. Well Location

Unit Letter K : 1980 Feet From The South Line and 2310 Feet From The West Line

Section 4 Township 22S Range 27E NMPM Eddy County

10. Date Spudded

01/28/2007

11. Date T.D. Reached

02/05/2007

12. Date Compl. (Ready to Prod.)

03/23/2007

13. Elevations (DF & RKB, RT, GR, etc.)

3119 GR

14. Elev. Casinghead

15. Total Depth

5270

16. Plug Back T.D.

5250

17. If Multiple Compl. How Many

Zones?
No

18. Intervals

Drilled By

Rotary Tools

R 0-5270

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name

Delaware 3993-4062

20. Was Directional Survey Made

No

21. Type Electric and Other Logs Run

BHC, Sonic, DLL, Micro-Guard, DSN, SDL

22. Was Well Cored

No

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8.625	24	433	11	165	
5.5	15.5	5270	7.875	575	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2.875	5109	5109

26. Perforation record (interval, size, and number)

Delaware 5091-5129 1 spf CIBP @ 5050 w/1 sx cmt

Delaware 4858-4984 1 spf CIBP @ 4500 w/1 sx cmt

Delaware 3993-4062 1 spf

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
3993-4062	1700 gals 7.5% HCL Ne-Fe w/45 ball sealers
	Frac w/18732 gals Dynafac 30# pad, 45586 g
	Tail in w/20000# Super LC

28. PRODUCTION

Date First Production 03/30/2007		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing			Well Status (Prod. or Shut-in) Producing		
Date of Test 05/02/0007	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl 11	Gas - MCF 86	Water - Bbl. 350	Gas - Oil Ratio 7819
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl. 11	Gas - MCF 86	Water - Bbl. 350	Oil Gravity - API - (Corr.)	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)


Sold

Test Witnessed By

30. List Attachments

C-102, C-104, Inclination Report, Logs

31. I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief

Signature 

Printed
Name Shay Stricklin

Title Regulatory Tech.

Date 05/04/2007

E-mail Address sstricklin@chkenergy.com

WELL NAME AND NUMBER Esperanza 4-#8

LOCATION Section 4, T22S, R27E

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 test and obtained the following results:

<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>
<u>1/4 @ 269'</u>	<u>1 @ 2564'</u>	<u>1/2 @ 5240'</u>
<u>1 @ 452'</u>	<u>2 @ 3101'</u>	<u> </u>
<u>1 @ 700'</u>	<u>2 @ 3254'</u>	<u> </u>
<u>1-1/2 @ 953'</u>	<u>2 @ 3417'</u>	<u> </u>
<u>2 @ 1269'</u>	<u>3/4 @ 3575'</u>	<u> </u>
<u>2 @ 1521'</u>	<u>1 @ 3986'</u>	<u> </u>
<u>1 @ 1774'</u>	<u>1/2 @ 4491'</u>	<u> </u>
<u>1-1/2 @ 2090'</u>	<u>3/4 @ 4997'</u>	<u> </u>

Drilling Contractor- UNITED DRILLING, INC.

By: Luisa Garcia
(Luisa Garcia)

Title: Assistant Office Manger

Subscribed and sworn to before me this 14 day of February, 2007

George A. Cho
Notary Public

My Commission Expires: 10-8-08

Chaves NM
County State

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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

¹ API Number 30-015-35352		² Pool Code 22640	³ Pool Name Esperanza; Delaware
⁴ Property Code 33998	⁵ Property Name Esperanza 4		⁶ Well Number 8
⁷ OGRID No. 147179	⁸ Operator Name Chesapeake Operating Inc.		⁹ Elevation 3119 GR

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	4	22S	27E		1980	South	2310	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
K	4	22S	27E		1980	South	2310	West	Eddy

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
40			

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.

<div data-bbox="99 1010 578 1979"> <p>16</p> </div>	<p>¹⁷ OPERATOR CERTIFICATION 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.</p> <p><i>Shay Stricklin</i> 05/04/2007 Signature Date</p> <p>Shay Stricklin Printed Name</p>	
	<p>¹⁸ SURVEYOR CERTIFICATION 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>Date of Survey Signature and Seal of Professional Surveyor:</p>	
	<p>Certificate Number</p>	

5/10/2007

Wellbore Diagram

r263

30-015-35352-00-00

ESPERANZA 4 No. 008

Company Name: CHESAPEAKE OPERATING, INC.

Location: Sec: 4 T: 22S R: 27E Spot:

Lat: 32.4199341248794 Long: -104.195961231501

String Information

Property Name: ESPERANZA 4

County Name: Eddy

S

Cement Information

Perforation Information

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Sqz
99999	99999			

Formation Information

St Code	Formation	Depth
Psal	Salado	434
Plals	Lamar Limestone	1757
Pbc	Bell Canyon	1997
Pcc	Cherry Canyon	3840
Pbs	Bone Spring	5153

Hole: Unknown

TD:

TVD: 0

PBTD: