

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.

30--025-36139

5. Indicate Type of Lease

STATE ☒ FEE ☐

State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION 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

P. O. Box 18496

Oklahoma City, OK 73154-0496

7. Lease Name or Unit Agreement Name

Russell 5 State

8. Well No.

1

9. Pool name or Wildcat

Morton Miss.
~~Austin Morrow SW Gas~~

4. Well Location

Unit Letter I 1980 Feet From The South Line and 990 Feet From The East Line

Section 5 Township 15S Range 35E NMPM Lea County

10. Date Spudded

06/30/03

11. Date T.D. Reached

08/17/03

12. Date Compl. (Ready to Prod.)

10/13/03

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

GR: 4024'

14. Elev. Casinghead

4,025'

15. Total Depth

13,800'

16. Plug Back T.D.

13,756'

17. If Multiple Compl. How Many

Zones? NA

18. Intervals

Drilled By

Rotary Tools

0-TD

Cable Tools

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

13438-58'; 13468-78'; Austin Lime

20. Was Directional Survey Made

Yes

21. Type Electric and Other Logs Run

HRLAM/CFL-HNGS;GRS;TDLDCN-HNGS;BCS

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
13-3/8	48#	438'	17-1/2"	380 sx C1. C	
9-5/8	40#	4,500'	12-1/4"	1150 Sx C1.C & Prem	
5-1/2	17# & 20#	13,800'	8-3/4" to 11,309 & 7-7/8" to TD	1185 sx 50/50	Poz

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
None				

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-7/8"	13,328	13,328'

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

13438-58'; 13468-78' Austin Lime 4 spf
120 holes, 0.42" holes

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

DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED

13438-478' 2000 gal 15% NeFe acid

461 bbl 2% KCL, Frac w/4000 gal

20& gelled acid & 80 bbl 2% KCL

28. PRODUCTION

Flush

Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)	Well Status (Prod. or Shut-in)
10/12/03	Flowing	Producing

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
10/16/03	24	12/64"		12	924	3	17,000 cu.ft./bbl
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)	
750	0		12	924	3	48	

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

Sold

Test Witnessed By

30. List Attachments

C-104, Logs, Inclination Rept

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 Colley J. Andrews for Andrew McCalmont

Name Andrew McCalmont Title Asset Manager

Phone (405) 848-8000

Date 10/24/03

E-mail Address

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy 1920	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn 11954	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka 12494	T. Pictured Cliffs	T. Penn. "D"
T. Yates 3015	T. Miss 13425	T. Cliff House	T. Leadville
T. 7 Rivers 3292	T. Devonian	T. Menefee	T. Madison
T. Queen 3868	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres 4750	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta 6156	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinebry	T. Gr. Wash	T. Morrison	T.
T. Tubb 7421	T. Delaware Sand	T. Todilto	T.
T. Drinkard	T. Bone Springs	T. Entrada	T.
T. Abo 8210	T. Morrow 13008	T. Wingate	T.
T. Wolfcamp 9785	T.	T. Chinle	T.
T. Penn 11256	T.	T. Permian	T.
T. Cisco (Bough C)	T.	T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....
 No. 2, from.....to.....
 No. 3, from.....to.....
 No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology
0	1920	1920	Redbed				
1920	3015	1095	Salt & Anhydrite				
3015	3292	277	Sand				
3292	4750	1458	Anhydrite, Dolomite, Salt	Sand			
4750	6156	1406	Dolomite				
6156	8210	2054	Dolomite & Sand				
8210	9785	1575	Dolomite				
9785	11256	1471	Limestone				
11256	11954	698	Shale				
11954	12494	540	Limestone				
12494	13008	514	Shale & Sand				
13008	13425	417	Limestone Sand & Shald				
13425	13800	375	Limestone				

CURRENT WELLBORE SCHEMATIC

CHESAPEAKE OPERATING INC.

WELL : RUSSELL STATE 1-5
LOCATION : 1,980' FSL & 990' FEL, UNIT I, SEC. 5-15S-35E
TARGET :
COUNTY : LEA STATE : NM
FIELD : AUSTIN MORROW SOUTHWEST GAS
ELEVATION : 4,024' GR 4,049' RKB



API #: 30-025-36139
SPUD DATE: 7/1/03
RIG RELEASED: 8/20/03
FIRST SALES: 10/12/03

Hole Size

17-1/2"

12-1/4"

8-3/4"

11,309'

7-7/8"

TD @ 13,800'

13-3/8" 48# H-40 ST&C Surf. Csg. @ 438'
Cmt:

Lead: 180 sx Lite Prem. Cl. C + 2% CaCl₂ + 0.25 pps flocele @ 12.4 ppg & 2.03 yd.
Tail: 200 sx Prem. Plus Cl C + 2% CaCl₂ @ 14.8 ppg & 1.34 yd. (Circ. to Surface)

9-5/8" 40# J-55 LT&C Inter. Csg. @ 4,500'
Cmt:

Lead: 950 sx Interfill Cl. C + 0.25 pps flocele @ 11.9 ppg & 2.452 yd.
Tail: 200 sx Prem. Plus + 2.0% CaCl₂ @ 14.8 ppg & 2.45 yd. (Circ. to Surface)

TOC (CBL) @ 9,950'

SN @ 13,327'
Baker Model R Pkr. @ 13,328'

Austin Lime Perfs @:
13,438-13,458' 4 spf
13,468-13,478' 4 spf

PBTD (FC) @ 13,756'

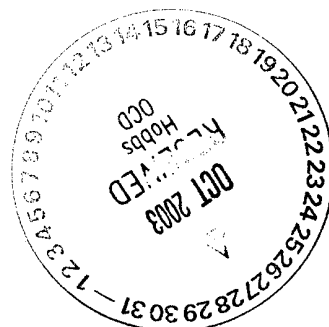
5-1/2" 17 & 20# L-80 LT&C Csg. @ 13,800'
Cmt:

Lead: 1185 sx 50/50 Poz w/ 2% bentonite + 0.3% CFR-3 + 0.5% Halad-9 + 5 pps salt + 0.1% HR-5 @ 14.4 ppg & 1.308 yd.

Well History:

COMPLETION

8/29/03: Run CBL from PBTD to TOC @ 9950'
9/5/03: RU Cudd & spot 1000 gals 7-1/2" acetic acid w/ CT. RU Schlumberger & perf 13,438-458' and 13,468-478' w/ 4 spf.
9/6/03: Pump 40 bbls. 2% KCl @ 7850 psi & 5.5 BPM to BD frmtn. Acidize w/ 2000 gals 15% acid and flush w/ 461 bbls. 2% KCl. ISIP 7950 psi, 5 min 7600 psi, 10 min 7450 psi, 15 min 7380 psi. MTP 8100 psi, MTR 5.7 BPM. ATP 7980 psi, ATR 5.5 BPM.
9/10/03: TIH w/ 5-1/2" Model R Pkr. SN & 56 jts. 2-7/8" tbg.
9/11/03: FIH w/ tbg. & pkr. Set. Pkr. @ 13,328. Load hole and test BS to 1500 psi, TIH w/ swab. IFL surface. Rec. 22 BW in 7 runs, FFL 3500 psi.
9/12/03: TP 1250 psi; open well to pit; bled off in 2-1/2 hrs. TIH w/ swab, IFL @ 4,500'. Swabbed all day, FFL 9000', slight gas blow. Rec. 78 BF.
9/15/03: TP 4500 psi; bled down. RU Cudd, pump 4000 gal. 20% gelled acid dwn. tbg. @ 5 BPM & 7400 psi. Flush w/ 80 bbls 2% KCl. ISIP 7200 psi, 5 min 5832 psi, 10 min 5342 psi, 15 min 4936 psi. MTP 7780 psi, MTR 5.4 BPM. ATP 7358 psi, ATR 5.4 BPM. 2900 psi on tbg. Open well on 16.64 ck., unloading fluid and gas.
9/16/03: 6 am TP 1625 psi. Open on 16/64 ck; rec. 28 BF. Est. flowrate 3087 mcf/d. 8 am TP 1050 psi; open on 15/654 ck; rec. 49 BF. Est. flowrate 900 mcf/d. RDMO.
9/17/03: 6 am TP 975 psi on 16/64 ck. Est. flowrate 811 MCF, 95 BW. 8 pm TP 725 psi on 16/64 ck. Est. flowrate 864 MCF, 109 BW.
9/18/03: FTP 500 psi, 717 MCFD. RIH w/ bomb. Obtain flwg gradients @ surface, 2000', 4000', 6000', 8000', 10000', 12000' & SN. SI for 72 hr. BU.
9/21/03: SITP 3700 psi. TIH to fish bombs. Obtain static gradients @ 12828', 12328', 11828', 11328', 10828', 10328', 8000', & 6000'. SISD.
10/13/03: First sales to CEMI @ 1:30 pm 10/12/03



PREPARED BY: Ginni A. Kennedy

DATE: 8/22/03

UPDATED BY: Ginni A. Kennedy

DATE: 10/21/03