

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division

1625 N. French Dr.
Hobbs, NM 88240FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM 77074

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
Smith Federal 4-19. API Well No.
30-025-36411005110. Field and Pool, or Exploratory
Teas; Yates-Seven River, Wes11. Sec., T., R., M., on Block and
Survey or Area 4-20S-33E12. County or Parish
Lea Co.,13. State
NM17. Elevations (DF, RKB, RT, GL)*
GL: 3559'1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry Otherb. 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 18496

Oklahoma City, OK 73154-0496

3a. Phone No. (include area code)

(405) 848-8000

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface SE NE Sec 4-20S-33E

2310' FNL & 660' FEL

At top prod. interval reported below

Same

At total depth

Same

14. Date Spudded

10/30/03

15. Date T.D. Reached

11/07/03

16. Date Completed

☐ D & A ☒ Ready to Prod.
12/14/0318. Total Depth: MD 3503'
TVD19. Plug Back T.D.: MD 3453'
TVD20. Depth Bridge Plug Set: MD NA
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
Spectral Density Dual Spaced Neutron
Dual Laterolog Microguard22. 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 Cement Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4	8-5/8 J-55 24#	0		1403'	NA	460 Lite	222	Surf	
7-7/8	5-1/2 J-55 15.5#	0		3,503	NA	250 C			
						400 Lite	198	Surface	
						200 C			

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	3314'	None						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Lower Yates	3198	3248	3198-248'	.42"	50	Open
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
3198-248'	Acidized w/1500 gal 15% NEFE & 60 ball sealers
	Frac w/33,978 gal Gel & 105,760# 20/40 Brown Sand & 78 bbls, 2& KCL Flush

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
12/14/03	12/19/03	24	→	30	0	67		NA	Pumping
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
Open	50	30	→	30	0	67	0	Producing	

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	
			→						

DAVID R. GLASS
PETROLEUM ENGINEER

K2

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	

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	

30. Summary of Porous Zones (Include Aquifers):

31. Formation (Log) Markers

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

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)*

Name (please print) Andrew J. McCalmont

Title Asset Manager

Signature

Date 01/27/04

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.

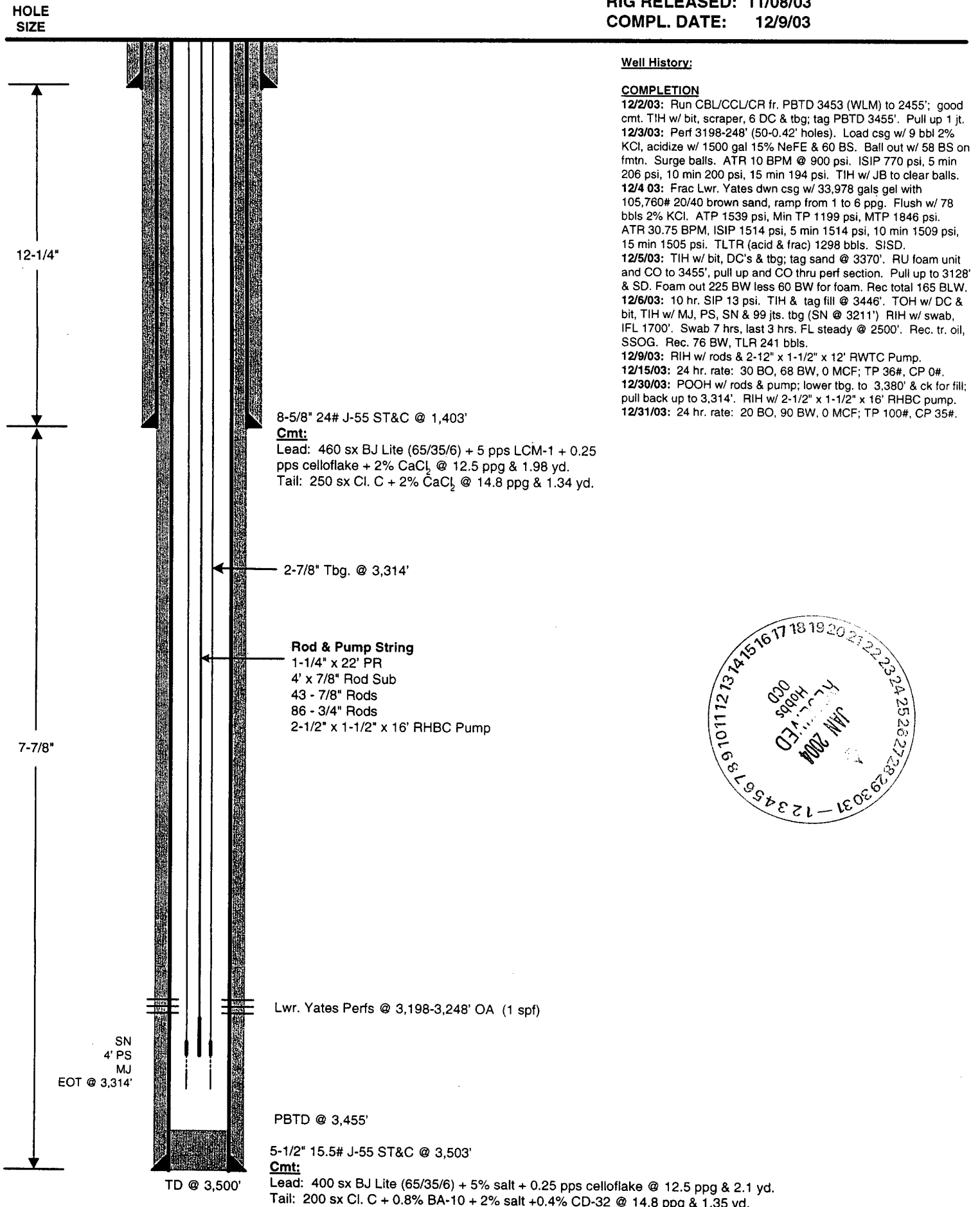
CURRENT WELLBORE SCHEMATIC

CHESAPEAKE OPERATING INC

WELL : SMITH FEDERAL 1-4
FIELD : WEST TEAS
COUNTY : LEA STATE: NM
OBJECTIVE : VERTICAL DEVELOPMENT WELL
LOCATION : 2,310' FNL & 660' FEL, SEC. 4-T20S-R33E
ELEVATION : 3,559' GL 3,568' RKB



API #: 30-025-36411
SPUD DATE: 10/30/03
RIG RELEASED: 11/08/03
COMPL. DATE: 12/9/03



PREPARED BY : Ginni A. Kennedy

DATE : 11/18/03

UPDATED BY : Ginni A. Kennedy

DATE : 1/6/04