

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

Form W-2
Rev. 4/1/83
483-046

Type or print only

<p style="color: blue; font-size: 1.2em;">Vertical Compl</p> <p>Oil Well Potential Test, Completion or Recompletion Report, and Log</p>				API No. <u>42-475-35065</u>		7. RRC District No. <u>08</u>
8. RRC Lease No.						
1. FIELD NAME (as per RRC Records or Wildcat) <u>Two Georges (Bone Spring)</u>		2. LEASE NAME <u>University 17-18</u>		9. Well No. <u>1</u>		
3. OPERATOR'S NAME (Exactly as shown on Form P-5, Organization Report) <u>Chesapeake Operating, Inc</u>			RRC Operator No. <u>147715</u>		10. County of well site <u>Ward</u>	
4. ADDRESS <u>P.O. BOX 18496 OKC, OK 73154</u>						
5. If Operator has changed within last 60 days, name former operator						
6a. Location (Section, Block, and Survey) <u>Sec 18, blk 17, UL survey</u>			6b. Distance and direction to nearest town in this county. <u>2.4 miles W from Pyote</u>			
12. If workover or reclass, give former field (with reservoir) & gas ID or oil lease no. FIELD & RESERVOIR			GAS ID or OIL LEASE #	OIL - O Gas - G	WELL NO.	
13. Type of electric or other log run			14. Completion or recompletion date <u>8/24/2009</u>			

SECTION I: POTENTIAL TEST DATA IMPORTANT: Test should be for 24 hours unless otherwise specified in field rules.

15. Date of test <u>8-14-09</u>		16. No. of hours tested <u>24</u>		17. Production method (Flowing, Gas Lift, Jetting, Pumping— Size & Type of pump) <u>Flowing</u>		18. Choke size	
19. Production during Test Period		Oil - BBLS <u>77</u>	Gas - MCF <u>251</u>	Water - BBLS <u>282</u>	Gas - Oil Ratio <u>3260</u>	Flowing Tubing Pressure <u>1650</u> PSI	
20. Calculated 24-Hour Rate		Oil - BBLS <u>77</u>	Gas - MCF <u>251</u>	Water - BBLS <u>282</u>	Oil Gravity—API—60° <u>45.8</u>	Casing Pressure <u>360</u> PSI	
21. Was swab used during this test? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				22. Oil produced prior to test (New & Reworked wells) <u>143 BO</u>		23. Injection Gas—Oil Ratio	
REMARKS:							

INSTRUCTIONS: File an original and one copy of the completed Form W-2 in the appropriate RRC District Office within 30 days after completing a well and within 10 days after a potential test. If an operator does not properly report the results of a potential test within the 10-day period, the effective date of the allowable assigned to the well will not extend back more than 10 days before the W-2 was received in the District Office. (Statewide Rules 16 and 51) To report a completion or recompletion, fill in both sides of this form. To report a retest, fill in only the front side.

WELL TESTER'S CERTIFICATION

I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I conducted or supervised this test by observation of (a) meter readings or (b) the top and bottom gauges of each tank into which production was run during the test. I further certify that the potential test data shown above is true, correct, and complete, to the best of my knowledge.

Signature: Well Tester

Name of Company

RRC Representative

OPERATOR'S CERTIFICATION

I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that this report was prepared by me or under my supervision and direction, and that data and facts stated therein are true, correct, and complete, to the best of my knowledge.

Typed or printed name of operator's representative

Title of Person

Telephone: Area Code

Number

Date:

mo.

day

year

Signature

SECTION II

DATA ON WELL COMPLETION AND LOG (Not Required on Re-test)

24. Type of Completion:

New Well ☐Deepening ☐Plug Back ☐Other ☒25. Permit to Drill,
Plug Back or
Deepen

DATE

PERMIT NO.

4.06.09 680076

Rule 37

CASE NO.

Exception

Water Injection

PERMIT NO.

Permit

Salt Water Disposal

PERMIT NO.

Permit

Other

PERMIT NO.

26. Notice of Intention to Drill this well was filed in Name of

Chesapeake Operating Inc

27. Number of producing wells on this lease in
this field (reservoir) including this well

1

28. Total number of acres
in this lease

640.7

29. Date Plug Back, Deepening,
Workover or Drilling
Operations:

Commenced

Completed

30. Distance to nearest well,
Same Lease & Reservoir

5.16.09

8.24.09

N/A

31. Location of well, relative to nearest lease boundaries
of lease on which this well is located1320
South

Feet From

East

Line and

1435

Feet from

Line of the

University 17-18

Lease

32. Elevation (D.F., R.K.B., K.T., G.L., ETC.):

2645' GR

33. Was directional survey made other
than Inclination (Form W-1217)☐ Yes☐ No

34. Top of Pay

35. Total Depth

36. P. B. Depth

37. Surface Casing
Determined by:

Field

Rules

Recommendation of T.D.W.R.

☐

Di. of Letter

Railroad Commission (Special)

☐

Di. of Letter

38. Is well multiple completion?

NO

39. If multiple completion, list all reservoir names (completions in this well) and Oil Lease
or Gas ID No.

FIELD & RESERVOIR

GAS ID or

Oil. LEASE #

Oil-O

Gas-G

WELL

#

40. Intervals
Drilled
by:Rotary
ToolsCable
Tools

X

41. Name of Drilling Contractor

42. Is Cementing Affidavit
Attached?☒ Yes☐ No

13. CASING RECORD (Report All Strings Set in Well)

CASING SIZE	WT #/FT.	DEPTH SET	MULTISTAGE TOOL DEPTH	TYPE & AMOUNT CEMENT (sacks)	HOLE SIZE	TOP OF CEMENT	SLURRY VOL. cu. ft.
NO change?							

14. LINER RECORD

Size	TOP	Bottom	Sacks Cement	Screen
5-1/2"	25'	10130'	1365	

15. TUBING RECORD

Size	Depth Set	Packer Set	From	To
2-3/8"	8234'	8212'	8297'	10600'
			From	To
			From	To
			From	To

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

Depth Interval	Amount and Kind of Material Used
8297' - 10600'	35 3000# 100 Mesh 727 000# 40/80 sand

18. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)

Formations	Depth	Formations	Depth

REMARKS Recompletion to two Georges (Bone Spring)

Cementer: Fill in shaded areas
Operator: Fill in other items

Form W-16
Cementing Report
Rev. 4/1/83
HLBRTN1096

RAILROAD COMMISSION OF TEXAS

Oil and Gas Division

1. Operator's Name (As Shown on Form P-5, Organization Report)	2. RRC Operator No.	3. RRC District No.	4. County of Well Site
CHESAPEAKE OPERATING Inc.	147715	08	WARD
5. Field Name (Wildcat or Exactly as Shown on RRC Records)	6. API No.		7. Drilling Permit No.
Two Georges (Bone Spring)	42-475-35065		680076
8. Lease Name	9. Rule 37 Case No.	10. Oil Lease/Gas ID No.	11. Well Number
UNIVERSITY 17-18			1H

LINER

CASING CEMENTING DATA:		SURFACE CASING	INTERMEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				SINGLE STRING	MULTIPLE PARALLEL STRINGS	TOOL	SHOE
12. Cementing Date				5/26/2009			
13. *Drilled Hole Size				8 3/4			
*Ext. % Wash or Hole Enlargement				100%			
14. Size of Casing (In. O.D.)				5 1/2			
15. Top of Liner (ft)							
16. Setting Depth (ft)				10630'			
17. Number of Centralizers Used							
18. Hrs. Waiting on Cement Before Drill-Out				24			
1st Slurry	19. API Cement Used: No. of Sacks >			850			
	Class >			H(50:50)			
	Additives >			Remark 1			
2nd Slurry	No. of Sacks >			515			
	Class >			H(50:50)			
	Additives >			Remark 2			
3rd Slurry	No. of Sacks >						
	Class >						
	Additives >						
1st	20. Slurry Pumped: Volume (cu.ft.) >			2083			
	Height (ft) >			8245			
2nd	Volume (cu.ft.) >			680			
	Height (ft) >			2691			
3rd	Volume (cu.ft.) >						
	Height (ft) >						
	Volume (cu.ft.) >	0		2762			
	Height (ft) >	0		10936			
21. Was Cement Circulated to Ground Surface (or Bottom of Casing) Outside Casing?				yes			
22. Remarks 1 10% GEL + 2/10% C-20 + 5% SALT 2 2% GEL + 2/10% C-20 + 5% SALT							

OVER →

CEMENTING TO PLUG AND ABANDON	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7	PLUG #8
23. Cementing Date								
24. Size of Hole or Pipe Plugged (in)								
25. Depth to Bottom of Tubing or Drill Pipe (ft)								
26. Sacks of Cement Used (each plug)								
27. Slurry Volume Pumped (cu.ft.)								
28. Calculated Top of Plug (ft)								
29. Measured Top of Plug, if Tagged (ft)								
30. Slurry Wt. (lbs/gal)								
31. Type Cement								

CEMENTERS CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers cementing data only.

Elco Armendariz Service Supervisor
Name and Title of Cementer's Representative

O-TEX PUMPING SERVICES
Cementing Company

Signature

2611 East I-20 Midland, Texas 79706
Address City State Zip Code

432-686-5889
Tel: Area Code Number

5/26/2009
Date: Mo. Day Yr.

OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

Lindsey Melott
Typed or Printed Name of Operator's Representative

Reg. Comp. Spec.
Title

Lindsey Melott
Signature

PO BOX 18496 OKC, OK 73154
Address City State Zip Code

40593558323
Tel: Area Code Number

10/06/2009
Date: Mo. Day Yr.

Instruction to Form W-15, Cementing Report

IMPORTANT: Operators and cementing companies must comply with the requirements of the Commission's Statewide rules 8 (Water Protection), 13 (Casing, Cementing, Drilling, and Completion, and 14 (Well Plugging). For offshore operations, see the requirements of Rule 13 (c).

- A. What to file. An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form. Form W-15 should be filed with the following:
- * An initial oil or gas completion report, Form W-2 or G-1, as required by Statewide or special field rules;
 - * Form W-4, Application for Multiple Completion, if the well is a multiple parallel casing completion; and
 - * Form W-3, Plugging Record, unless the W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete W-15, in addition to Form W-3, to show any casing cemented in the hole.
- B. Where to file. The appropriate Commission District Office for the county in which the well is located.
- C. Surface casing. An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Texas Department of Water Resources, Austin. Before drilling a well in any field or area in which no field rules are in effect or in which surface casing requirements are not specified in the applicable rules, an operator must obtain a letter from the Department of Water Resources stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.
- D. Centralizers. Surface casing must be centralized at the shoe, above and below a stage collar or diverting tool, if run, and through usable-quality water zones. In nondeviated holes, a centralizer must be placed every fourth joint from the cement shoe to the ground surface or to the bottom of the cellar. All centralizers must meet API specifications.
- E. Exceptions and alternative casing programs. The District Director may grant an exception to the requirements of Statewide Rule 13. In a written applications, an operator must state the reason for the requested exception and outline an alternate program for casing and cementing through the protection depth for strata containing usable-quality water. The District Director may approve, modify, or reject a proposed program. An operator must obtain approval of any exception before beginning casing and cementing operations.
- F. Intermediate and production casing. For specific technical requirements, operators should consult Statewide Rule 12 (b) (3) and (4).
- G. Plugging and abandoning. Cement plugs must be placed in the wellbore as required by Statewide Rule 14. The District Director may require additional cement plugs. For onshore or inland wells, a 10-foot cement plug must be placed in the top of the well, and the casing must be cut off three feet below the ground surface. All cement plugs, except the top plug, must have sufficient slurry volume to fill 100 feet of hole, plus ten percent for each 1000 feet of depth from the ground surface to the bottom of the plug.

To plug and abandon a well, operators must use only cementers approved by the Director of Field Operations. Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.