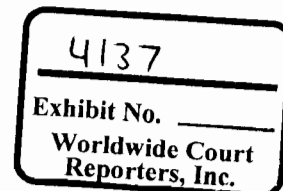


U.S. Department of the Interior, Mineral Management Service
FOR MMS USE ONLY- Test B
Drilling

<u>General Information</u>		<u>Location Information</u>	
Test Date:		Area:	
Time:		Block:	
MMS Inspector Number:		Lease:	OCSG-
MMS Inspector Name:		Well Number:	
MMS Region:		Complex ID Number:	
MMS District:		Facility Name:	
		Rig Name:	
		Rig Number:	
<u>Company Information</u>		<u>Test Information</u>	
Operator Number:		Years With Present Employer:	
Operator Name:		Years in Present Position:	
Contractor Number:		Total Years Offshore Experience:	
Contractor Name:		Was Test Announced or Unannounced?	
		Is Employee a Supervisor?	
		Test Score:	
		Is this a Re-Test?	
		Test: Pass or Fail?	
		Test Location (offshore/onshore/school/other)?	
		Test Type Company Issued: (Written Well Control/ Written Production)	
		Test Type MMS Issued: (Hands on Well control Scenario/ Hands on Production Scenario/ Written Well Control/ Written Production/ Oral Well Control/ Oral Production)	
		Test Taker Job Title:	
<u>Activities Conducted</u>			
Operation Being Conducted at Time of Test:			
Was Inspection: Announced or Unannounced?			
Type of Inspection Being Conducted at Time of Test: Drilling/ Well Completion/ Well Workover/ Well Servicing/ Production/ Other?			
<u>INC Information</u>			
INC Number:			
INC Enforcement Action: S / C / W ?			
Was INC Issued?			
		Correct Score	
		Level 1-----	x 20 =
		Level 1 and 2-----	x 9.1 =
		Level 1, 2, and 3-----	x 5 =

Highly Confidential

IMS023-016644



Level 1

Answers	Questions
	<p>1. During drilling operations, which of the following equipment is required?</p> <p>A. Gas detecting equipment B. Mud level measuring device C. Mud return indicator D. All of the above</p>
	<p>2. Which of the following is NOT an indication of a kick?</p> <p>A. Increased flow rate B. Pit gain C. Increased background gas D. All of the above</p>
	<p>3. Which of the following is not a circulating method used in well control?</p> <p>A) Wait and Weight Method B) Tool Pushers Method C) Drillers Method</p>
	<p>4. Which mud additive is normally added to the drilling fluid to increase its weight?</p> <p>A. Water B. Barite C. Bentonite D. Salt</p>
	<p>5. There are two kinds of chokes in use for drilling operations. A) Remote Operated chokes B) Adjustable chokes</p> <p>True_____ False_____</p>

Level 2

Answers	Questions
	<p>6. The choke is gradually closed due to a string washout. What effect does the gradual closing of the choke have on the bottom hole pressure?</p> <p>A. Increase B. Decrease C. Constant D. None of the above</p>
	<p>7. The Volumetric Method of well control equates mud volume to hydrostatic pressure but does not account for gas migration or expansion.</p> <p>True_____ False_____</p>
	<p>8. On the second circulation of the Driller's Method, if the casing pressure was held constant while kill weight mud is pumped "bit-to-surface", what would happen to the bottom hole pressure?</p> <p>A. Increase B. Decrease C. Constant D. None of the above</p>
	<p>9. Having completed the first circulation of the driller's Method, the well is shut in. The casing pressure should be _____.</p> <p>A. Less than the SIDPP B. Greater then the SIDPP C. Equal to the SIDPP D. None of the above</p>
	<p>10. When starting circulation for a well kill operation, the pressure to monitor while bringing the pump to the slow pump speed is the _____.</p> <p>A. Drill pipe pressure B. Formation test pressure C. Casing pressure D. Annular closing pressure</p>

	<p>11. In accordance with MMS regulations, RAM type blowout preventers on all surface and subsea BOP stacks shall be pressure tested to :</p> <p>A. 70% of the rated working pressure B. 70% of the casing internal yield pressure C. Their rated working pressure or as otherwise approved by the District Manager D. Their operating pressure or as otherwise approved by the District Manager</p>
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Level 3

Answers	Questions
	<p>12. When you interrupt drilling operations for a hurricane evacuation you must _____.</p> <p>A. Secure the well B. Evacuate the crew C. Secure the rig D. All of the above E. Both A and C</p>
	<p>13. An annular-type BOP shall be successfully tested at _____ percent of its rated working pressure or as otherwise approved by the District Manager.</p> <p>A. 50 percent B. 60 percent C. 70 percent D. None of the above</p>
	<p>14. In accordance with MMS regulations, Inclination Surveys must be obtained on all vertical wells during the normal course of drilling at intervals not exceeding _____.</p> <p>A. 1000 feet B. 1050 feet C. 1100 feet D. 1200 feet</p>

Answers	Questions
	<p>15. In accordance with 30 CFR 250, the minimum I.D. for diverter vent lines on a well with a surface wellhead is:</p> <p>A. 12 inches B. 15 inches C. 10 inches D. None of the above</p>
	<p>16. It is not permissible to change the pump speed while performing a reverse circulation kill down a large annulus.</p> <p>True_____ False_____</p>
	<p>17. How many sacks of Barite does it take to weight up 1956 bbls of a 15.0 ppg mud to a 15.5 ppg mud?</p>
	<p>18. The well has 9-5/8", 47.0 lb/ft, N-80 casing set at 5125 feet TVD. The well is filled with 9.4 ppg mud. If the casing shoe is to be tested to an equivalent mud weight of 15.4 ppg, what surface pressure needs to be applied to conduct this test?</p>
	<p>19. What would happen if the bit became partially plugged while circulating out a kick?</p> <p>A. Casing pressure increase B. Drill pipe pressure increase C. Drill pipe and casing would equalize D. Drill pipe pressure decrease</p>
	<p>20. In accordance with MMS regulations, Inclination and Azimuth Surveys must be obtained during the normal course of drilling a directional well at intervals not to exceed _____.</p> <p>A. 500 feet B. 100 feet C. 1000 feet D. 250 feet.</p>



MMS

Subpart O Written Testing Program

Please fill out the test accurately and completely.

Please take your time. There is no time limit associated with this test.

You are free to use whatever reference material available to you, excluding the internet or intranet.

There are **NO** trick questions on the test; however some questions may have more than one acceptable answer.

This test is not being administered to determine your eligibility for employment. It is simply a tool to determine the effectiveness of your company's Subpart O training program.

This test shall not be copied in any way. (copy, facsimile, photo, etc..)

If questions should arise during the test, please direct them towards the MMS representative administering the test. Coworkers will not be allowed to assist the test taker.

MMS Representative _____

Date _____

Note:

Written Well Control Test:

- Level 1 (L1) – Floor hand, Derrickman
- L1 and Level 2 (L2) – Driller, Assistant Driller
- L1, L2 and Level 3 (L3) – Tool Pusher, Company Man

Written Production Test:

- Level 1 (C and D operator)
- Level 1 and 2 (A and operator)
- Level 1-2-3 (Lead Operator)



MMS

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