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AUG 23 2010
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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Revised **OCD-HOBBS**

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No 1004-0135
Expires July 31, 1996

5	Lease Serial No
	NM-052
6	If Indian, Allottee or Tribe Name
7	If Unit or CA/Agreement, Name and/or No.
8	Well Name and No
	Mallon 34 Federal Com No. 18
9	API Well No
	30-025-39763
10	Field and Pool, or Exploratory Area
	Quail Ridge; Bone Spring, South
11	County or Parish, State
	Lea County, NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well	<input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other
2. Name of Operator	Cimarex Energy Co. of Colorado
3a. Address	600 N. Marienfeld St., Ste. 600; Midland, TX 79701
3b. Phone No (include area code)	432-571-7800
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)	SHL 640 FSL & 300 FWL 34-19S-34E BHL 330 FSL & 330 FEL

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize <input type="checkbox"/> Deepen <input type="checkbox"/> Production (Start/Resume) <input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input checked="" type="checkbox"/> Alter Casing <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Reclamation <input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair <input type="checkbox"/> New Construction <input type="checkbox"/> Recomplete <input checked="" type="checkbox"/> Other <u>Change BOP and production casing setting depth</u>
	<input checked="" type="checkbox"/> Change Plans <input type="checkbox"/> Plug and Abandon <input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection <input type="checkbox"/> Plug Back <input type="checkbox"/> Water Disposal

13. Describe Proposed or Completed Operation (clearly state all pertinent details, included estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the bond under which the work will be performed or provide the Bond No on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Cimarex is switching to a 5000 psi BOP tested to 3000 psi as shown below to drill the Mallon 34 Fed Com 18. Also see attached BOP/Choke plats.

Exhibit "E". A 13%" 5000 PSI working pressure BOP tested to 3000 psi consisting of one set of blind rams and one set of pipe rams and a 5000# annular type preventer. A choke manifold and 120 gallon accumulator with floor and remote operating stations and auxiliary power system. Rotating head as needed. A kelly cock will be installed and maintained in operable condition and a drill string safety valve in the open position will be available on the rig floor.

BOP unit will be hydraulically operated. BOP will be nipped up and operated at least once a day while drilling and the blind rams will be operated when out of hole during trips. No abnormal pressure or temperature is expected while drilling. From the base of the 13%" casing through the running of production casing, the well will be equipped with a 5000 psi BOP system tested to 3000 psi.

BOPS will be tested by an independent service company to 250 psi low and 3000 psi high. Hydril will be tested to 250 psi low and 1500 psi high.

The production casing setting depth and pilot hole TD have changed, as detailed on the attached page.

14 I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Natalie Krueger

Signature

Title

Regulatory

Date

March 18, 2010

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

PETROLEUM ENGINEER

Title

Office

APPROVED

AUG 19 2010

/s/ Chris Walls
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

Conditions of Approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001, makes 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.

(Instructions on reverse)

AUG 23 2010

Mallon 34 Federal Com No. 18
Cimarex Energy Co. of Colorado
Unit M, Section 34
T19S-R34E, Eddy County, NM

9 Casing & Cementing Program:

String	Hole Size	Depth		Casing OD		Weight	Collar	Grade
Surface	17½"	0'	to 1750'	New	13¾"	54.5#	STC	J-55
Intermediate	12¼"	0'	to 5500'	New	9⅝"	40#	LTC	N-80
Production	8¾"	0'	to 10550'	New	7"	26#	LTC	P-110
Fiberglass	8¾"	10550'	to 10650'	New	2⅞"	2.18#		IJ
Lateral Pt. 1	6⅝" 10450' 10549'	to	10949'	New	4½"	11.6#	BTC	P-110
Lateral Pt. 2	6⅝"	10949'	to 15421'	New	4½"	11.6#	LTC	P-110

10 Cementing:

Surface Lead: 900 sx Premium Plus + 1% Pheno-Seal + 1% CaCl₂ (wt 12.5, yld 1.97)
Tail: 200 sx Premium Plus + 2% CaCl₂ (wt 14.8, yld 1.33)
TOC Surface

Intermediate Lead: 1065 sx Interfill C + 1# Pheno-Seal (wt 14.0, yld 2.46)
Tail: 220 sx Premium Plus + 2% CaCl₂ (wt 14.8, yld 1.33)
TOC Surface

Production / Lead: 195 sx Interfill H + 0.1% HR-7 + 1# Pheno-Seal (wt 11.9, yld 2.78)
Fiberglass Tail: 385 sx Super H + 0.5% Halad-344 + 0.4% CFR-3 + 1# Salt + 3# Pheno-Seal + 0.35% HR-7 (wt 13.2, yld 1.62)
TOC 5300'

Lateral No cement needed. Peak completion assembly.

Fresh water zones will be protected by setting 13¾" casing at 1750' and cementing to surface. Hydrocarbon zones will be protected by setting 9⅝" casing at 5500' and production casing at 10550' with fiberglass to 10650' and cementing to 5300'.

<u>Collapse Factor</u>	<u>Burst Factor</u>	<u>Tension Factor</u>
1.125	1.125	1.6

SR & A

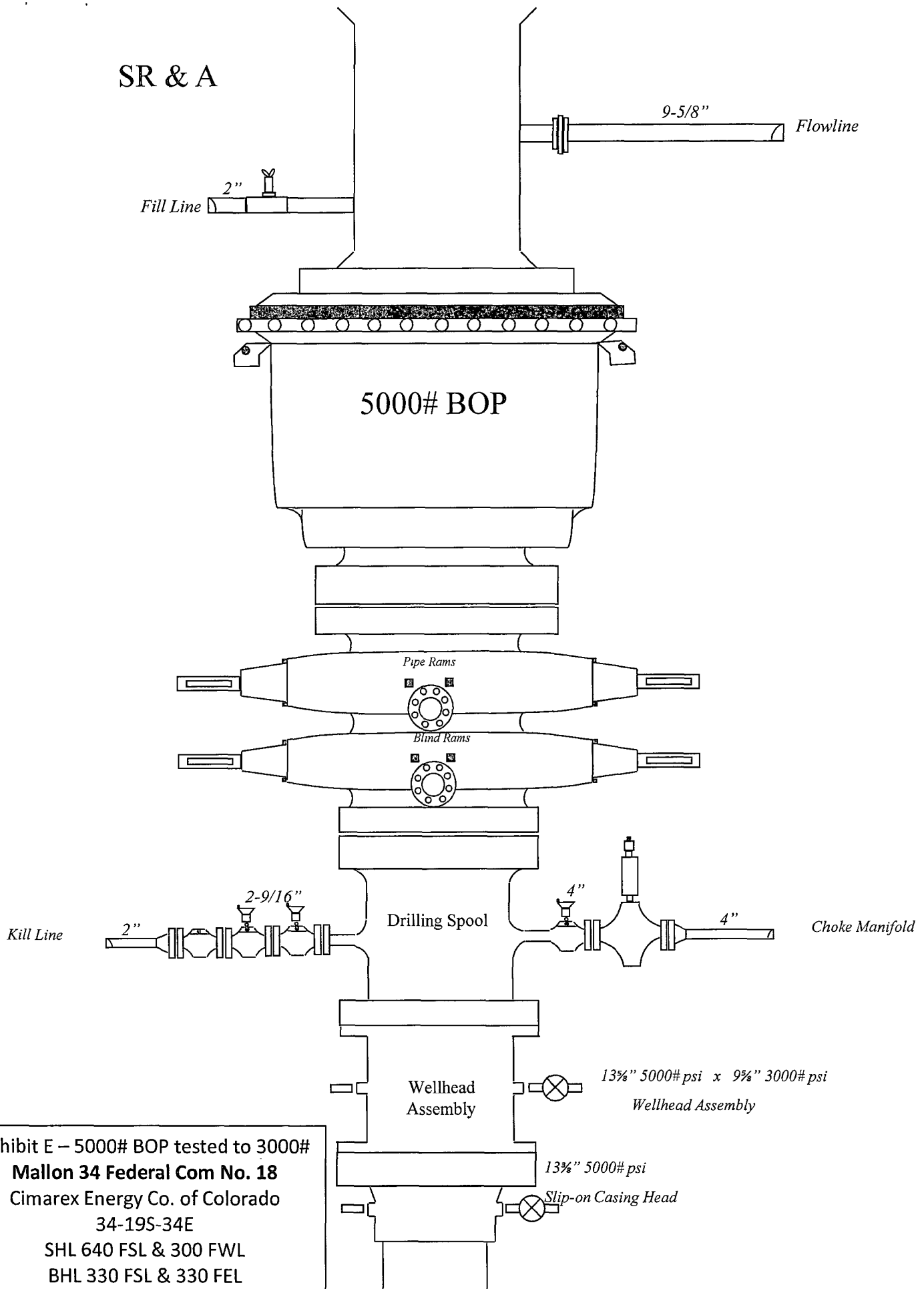


Exhibit E – 5000# BOP tested to 3000#
Mallon 34 Federal Com No. 18
Cimarex Energy Co. of Colorado
34-19S-34E
SHL 640 FSL & 300 FWL
BHL 330 FSL & 330 FEL
Lea County, NM

Drilling Operations Choke Manifold 5M Service tested to 3M

Exhibit E-1 – Choke Manifold Diagram

Mallon 34 Federal Com No. 18

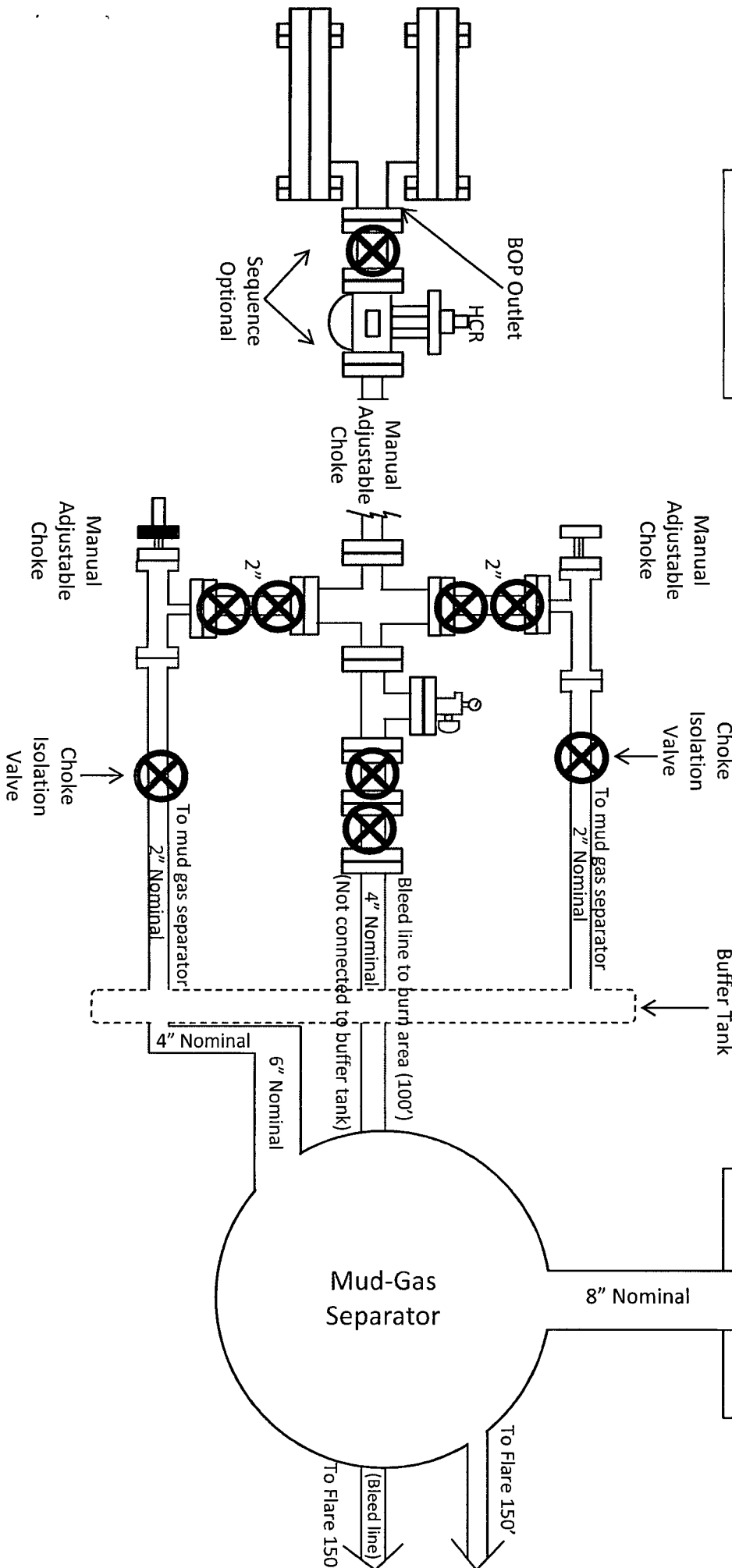
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34-19S-34E

SHL 640 FSL & 300 FWL

BHL 330 FSL & 330 FEL

Lea County, NM



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CONDITIONS OF APPROVAL

OPERATOR'S NAME:	Cimarex Energy Co. of Colorado
LEASE NO.:	NMMN-052
WELL NAME & NO.:	Mallon 34 Federal Com 18
SURFACE HOLE FOOTAGE:	640' FSL & 300' FWL
BOTTOM HOLE FOOTAGE:	330' FSL & 330' FEL
LOCATION:	Section 34, T. 19 S., R 34 E., NMPM
COUNTY:	Eddy County, New Mexico

A minimum of 100 foot overlap is required on 4-1/2 inch liner.

1. Cement not required on the 4-1/2" liner. **Packer system being used.**

A. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.
2. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **3000 (3M) psi.**
 - a. **For surface casing only:** If the BOP/BOPE is to be tested against casing, the wait on cement (WOC) time for that casing is to be met (see WOC statement at start of casing section). Independent service company required.
3. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips or where the float does not hold, the minimum wait time before cut-off is eight hours after bumping the plug or when the cement reaches 500 psi compressive strength (including lead when specified), whichever is greater. BOP/BOPE testing can begin after the above conditions are satisfied.

- b. The tests shall be done by an independent service company utilizing a test plug **not a cup or J-packer**. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to Onshore Order 2 with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for water basin (18 hours) or potash (24 hours) prior to initiating the test.
- c. The results of the test shall be reported to the appropriate BLM office.
- d. All tests are required to be recorded on a calibrated test chart. **A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.**
- e. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug.

B. DRILL STEM TEST

If drill stem tests are performed, Onshore Order 2.III.D shall be followed.

C. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

CRW 081910