	nch Dr , Hob	bs, NM 8824		CD E	State nergy Minera	of Ne als and	w Mex Natura	tico al Resou	urces			Form C-101 May 27,2004	
	and Avenue,	Artesia, NM								Submit to a	nnronr	nate District Office	
						ervation Division uth St. Francis Dr.					_		
District IV		Santa Fe, NM					. Franc M 875			L		ENDED REPORT	
			RECE	VED		-							
<u>APP</u>	LICATI	<u>on fof</u>	Operator Name	TO D	<u>RILL, RE-I</u>	<u>ente</u>	<u>R, DE</u>	<u>EPEN</u>	<u>, PLUGBAC</u> 1	<u>CK. OR</u> 'ogrid n			
			Mack Energ	y Corpoi	ration							013837	
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3 Prop	39158					ro State	« Well No l					1	
		'P	roposed Pool I						Propo	osed Pool 2			
	<u> </u>		Delaware				I	<u> </u>					
UL or lot no	Section	Township	Range	Lot	7 Surface	Locat		outh line	Feet from the	East(West	line	County	
I	17	18S	35E	Dot		00		uth	330	East		Lea	
	<b></b>	<b>/</b>	* Prop	 sed Bott	om Hole Loca	tion If I	Differen	t From S	Surface	•			
UL or lot no	Section	Township	Range	Lot		om the		outh line	Feet from the	EastfWest	line	County	
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r: Work	Type Code	<u> </u>	12 Well Type Co		iditional We	<u>ell Inf(</u> e/Rotary	ormatio		Lease Type Code		15 Groun	d Level Elevation	
	eepen		Oil		Ro	tary			S		3942' GR		
	16 Multiple "Proposed Dep No 6000'		th		mation aware	, , , , , , , , , , , , , , , , , , , ,				Spud Date /10/2012			
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Pit Liner	·· Synthetic		ls thick Clay	Pit Vol	ume bbls			ng Method					
	ed-Loop Syst								Brine Diesel/O	nl-based	Gas/Aı	ш	
			2	Propo	sed Casing a	and Ce	ement ]	Program	n				
Hole S	Size	Casi	ng Size		g weight/foot		Setting De		Sacks of Ce	ement		Estimated TOC	
17 1/2		13 3/8		54.5	391 445					Surface/In place			
12 1/4		8 5/8		32		3350			2000	130' temp survey			
7 7/8		5 1/2		15.5		6652	-		810	, [	Surfac	e/In place	
1	· · ·	-				+	ne data or	the prese	nt productive zone	and propose	ed new j	productive zone	
Describe the Mack Energy	blowout pre y Corpor	vention progr ation prope	am, if any Use a oses to Deepe	additional s en this w	sheets if necessary ell and complete	/. ete in tl	ne Dela	ware for	mation as follo	ws:			
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8. Put on production							Date Unless Draining Onder way						
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					plete to the best			<u></u>	011000111				
oftny knowledge and belief I further certify that the drilling pit will be constructed according to NMOCD guidelines a general permit $\Box$ , or									ONSERVAT	ION DI	VISI	UN	
an (attached) alternative OCD-approved plan.						Approv	ved by.		1-				
Signature	Signature Jerry W. Shevel						1	HILL V	100 g				
Printed name Jerry W. Sherrell						Tıtle	/		HUBBUM EAN	於為新行和			
Title Production Clerk						Approv	al Date?	<u>R 27</u>	<u>2017  </u>	xpiration Da	HT!	R 27 2014	
E-mail Address. jerrys@mec.com													
Date 4/23/12 Phone. (575)748-1288					Condit	ions of Ap	proval Att	ached					

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State of New Mexico Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088 Santa Fe, New Mexico 87504-2088 1

Form C-172 Revised 1-1-89

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HOBBS OCD

APR **2 6** 2012

DISTRICT J P.O. Box 1980, Habbe, New 18240 DISTRICT R P.O. Durver DD, Astania, NM \$8210

#### WELL LOCATION AND ACREAGE DEDICATION PLAT All Distances must be from the outer boundaries of the section

Mack	Energy Corpora	ition	Barbaro	State	#1	
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## **Mack Energy Corporation Minimum Blowout Preventer Requirements 3000 psi Working Pressure** 13 3/8 inch- 3 MWP 11 Inch - 3 MWP **EXHIBIT #10**

**Stack Requirements** 

NO,	Items	Mın	Min.
		ID	Nominal
1	Flowline		2"
2	Fill up line		2"
3	Drilling nipple		
4	Annular preventer		
5	Two single or one dual hydraulically operated rams		
6a	Drilling spool with 2" min kill line and 3" min choke line outlets		2" Choke
6b	2" min kill line and 3" min choke line outlets in ram (Alternate to 6a above)		
7	Valve Gate Plug	3 1/8	
8	Gate valve-power operated	3 1/8	
9	Line to choke manifold		3"
10	Valve Gate Plug	2 1/16	
11	Check valve	2 1/16	
12	Casing head		
13	Valve Gate Plug	1 13/16	
14	Pressure gauge with needle valve		
15	Kill line to rig mud pump manifold		2"

#### **OPTIONAL** Flanged Valve

#### CONTRACTOR'S OPTION TO CONTRACTOR'S OPTION TO FURNISH

- All equipment and connections above bradenhead or casinghead Working pressure of preventers to be 2000 psi minimum
- 2 Automatic accumulator (80 gallons, minimum) capable of closing BOP in 30 seconds or less and, holding them closed against full rated working pressure
- 3. BOP controls, to be located near drillers' position
- 4. Kelly equipped with Kelly cock
- 5. Inside blowout preventer or its equivalent on derrick floor at all times with proper threads to fit pipe being used
- 6 Kelly saver-sub equipped with rubber casing protector at all times.
- Plug type blowout preventer tester 7.
- 8. Extra set pipe rams to fit drill pipe in use on location at all times 9
- Type RX ring gaskets in place of Type R

## MEC TO FURNISH

- 1. Bradenhead or casing head and side valves
- 2
- Wear bushing If required

## **GENERAL NOTES:**

1 13/16

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ME

- Deviations from this drawing 1 may be made only with the express permission of MEC's Drilling Manager
- 2 All connections, valves, fittings, piping, etc , subject to well or pump pressure must be flanged (suitable clamp connections acceptable) and have minimum working pressure equal to rated working pressure of preventers up through choke valves must be full opening and suitable for high pressure mud service
- 3 Controls to be of standard design and each marked, showing opening and closing position
- Chokes will be positioned so 4 as not to hamper or delay changing of choke beans



Replaceable parts for adjustable choke, or bean sizes, retainers, and choke wrenches to be conveniently located for immediate use

- 5 All valves to be equipped with hand-wheels or handles ready for immediate use.
- 6 Choke lines must be suitably anchored.
- 7. Handwheels and extensions to be connected and ready for use
- 8 Valves adjacent to drilling spool to be kept open. Use outside valves except for emergency
- All seamless steel control 9 piping (2000 psi working pressure) to have flexible joints to avoid stress Hoses will be permitted
- 10 Casinghead connections shall not be used except in case of emergency
- Does not use kill line for 11 routine fill up operations

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# Mack Energy Corporation

Exhibit #11 MIMIMUM CHOKE MANIFOLD 3,000, 5,000, and 10,000 PSI Working Pressure 3M will be used 3 MWP - 5 MWP - 10 MWP



Mud Pit

**Reserve** Pit

\* Location of separator optional

### **Below Substructure**

		2.0		Mimimum requirements 5.000 MWP 10.000 MWP						
No.	1	3,0	000 MWP		<u> </u>	<u>,000 NIWP</u>			0,000 MWP	
NO.		1.D.	Nominal	Rating	1.D.	Nominal	Rating	1.0.	Nominal	Rating
1	Line from drilling Spool		3"	3,000	· · · · · · · · · · · · · · · · · · ·	3"	5,000		3"	10,000
2	Cross 3" x 3" x 3" x 2"			3,000	-		5,000			
2	Cross 3" x 3" x 3" x 2"									10,000
3	Valve Gate Plug	3 1/8		3,000	3 1/8		5,000	3 1/8		10,000
4	Valve Gate Plug	1 13/16		3,000	1 13/16		5,000	1 13/16		10,000
	Valves (1)	2 1/16		3,000	2 1/16		5,000	2 1/16		10,000
5	Pressure Gauge			3,000			5,000			10,000
6	Valve Gate Plug	3 1/8		3,000	3 1/8		5,000	3 1/8		10,000
7	Adjustable Choke (3)	2"		3,000	2"		5,000	2"		10,000
8	Adjustable Choke	1"		3,000	1"		5,000	2"		10,000
9	Line		3"	3,000		3"	5,000		3"	10,000
10	Line		2"	3,000		2"	5,000		2"	10,000
11	Valve Gate Plug	3 1/8		3,000	3 1/8		5,000	3 1/8		10,000
12	Line		3"	1,000		3"	1,000		3"	2,000
13	Line		3"	1,000		3"	1,000		3"	2,000
14	Remote reading compound Standpipe pressure quage			3,000			5,000			10,000
15	Gas Separator		2' x5'			2' x5'			2' x5'	
16	Line		4"	1,000		4"	1,000		4"	2,000
17	Valve Gate Plug	3 1/8		3,000	3 1/8		5,000	3 1/8		10,000

(1) Only one required in Class 3M

.

(2) Gate valves only shall be used for Class 10 M

(3) Remote operated hydraulic choke required on 5,000 psi and 10,000 psi for drilling

EQUIPMENT SPECIFICATIONS AND INSTALLATION INSTRUCTION

1. All connections in choke manifold shall be welded, studded, flanged or Cameron clamp of comparable rating

2 All flanges shall be API 6B or 6BX and ring gaskets shall be API RX or BX Use only BX for 10 MWP

3 All lines shall be securely anchored

4. Chokes shall be equipped with tungsten carbide seats and needles, and replacements shall be available.

- 5. alternate with automatic chokes, a choke manifold pressure gauge shall be located on the rig floor in conjunction with the standpipe pressure gauge.
- 6 Line from drilling spool to choke manifold should bee as straight as possible Lines downstream from chokes shall make turns by large bends or 90 degree bends using bull plugged tees