1625 N French Dr , Hobbs, NM 88240 Dstrict 11

1301 W Grand Avenue, Artesia, NM 88210

District III I 000 Rio Brazos Road, Aztec, NM 87410

District IV 1220 S St Francis Dr, Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Form C-101 May 27,2004

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

APPL	<u>ICATI</u>	ON F		PERMIT			RE-E	ENTE	R, DE	EPEN.	<u>, PI</u>	LUGBA				) A 2	ZONE	
				Operator Name <b>//ack Energ</b>							-				Number	_	013837	
		P.C	D. Box	x 960 Arte	sia, NM							30- 025-		API N	643			
Proper	rty Code なりん	1				5 }	Property Condo	Name or State							6 Well	No 1		
	<u> </u>	+ -		posed Pool I			Conde	or State				Pro	posed F	Pool 2				
		A	ırstrı	p Bone Spri	ıng			<u> </u>										
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UL or lot no	Section	Townsh	nip	Range	Lot I	dn	Feet fro	om the	North/S	outh line	F	eet from the	Ea	stfWes	t line		County	
<u> </u>					Ad	dition	nal We	ll Info	rmati	on			.1					
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	iltiple			" Proposed Dep	th			tary nation			9 C	S ontractor				965' ( Spud I		$\dashv$
	lo			9300	Υ			Spring				ИEC				9/1/0		
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12 1/4				40			4005					Surface						
8 3/4 5 1/2			15.5, 17,			10800		1400sx				2465'						
r Describe the Describe the b Mack Energy pits will be d H2S concent											ļ							
2 Describe the	proposed p	rogram.	If this	application is	to DEEPEN	l or PLU	JG BACK	(, give th	e data or	the preser	nt pro	oductive zon	e and p	propos	ed_new_r	groduc	tive zone	
Describe the bi	lowout prev Corpora	vention p	rogram	n, if any Use a les to Re-en	idditional sh	neets if m	necessary a denth	of 930	0' drill	ing will l	he d	lone with	ล ทบไ	1928	2930	37 1 rev	erce unit	No
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an (attached) Signature	alternati	ye UCD	-appro	oved plan.				Approv	ed by:	Chi	•	//l						
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District I 1625 N French Dr , Hobbs, NM 88240 State of New Mexico EnerRy, Minerals & Natural Resources Form C-102 Revised March 17, 1999

District 11 811 South First, Artesia, NM 88210 District III

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe. NM 87505

Submit to Appropriate District Office State Lease - 4 Copics Fee Lease - 3 Copies

1000 Rio Brazos R	Rd , Aztec, N	M 87410			Santa Fe. NI	M 87505			Fee	Lease - 3 Copies	
District IV								_	_		
2040 South Pached	co, Santa Fe,	NM 87505							AME	NDED REPORT	
		WE	ELL LO	CATION	N AND ACR	EAGE DEDIC	ATION PLA	AT T	_		
'A	API Numbe	سم بدر ر	7	' Pool Code			'Pool Nar	ne			
30-025	5-26	695		960			Airstrip Bone	e Spring			
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3326 OGRID N	.1				Condor S	State				1	
'OGRID N				' Operator N		'Elevation					
013837				Mack Energy Corporation						3965' GR	
					н Surface I	Location					
UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East	/West line	County	
G	25	18S	34E		1980	North	1980	Ea	st	Lea	
<u> </u>			" Bott	tom Hol	e Location If	Different Fron	n Surface				
UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East	/West line	County	
" Dedicated Acres	s   Joint or	Infill "Co	onsolidation C	ode "Or	der No		•		•		
40											

## NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL XL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	NON-STANI	DARD UNIT HAS BE	EN APPROVED BY 1	HE DIVISION
16				OPERATOR CERTIFICATION
		,086/		I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.
		-1980	<u>'/</u>	Printed Name  Jerry W. Sherrell
	/	//		Production Clerk  Date 8/28/07
		//		"SURVEYOR CERTIFICATION  I hereby certify that the well location shown on this plat was
				plotted from field notes ofactuar surveys made by me or under my supervision, and that the same is true and correct
				to the best of my belief
				Date of Survey Signature and Sea] of ProfessionalSurveyer
				Certificate Number

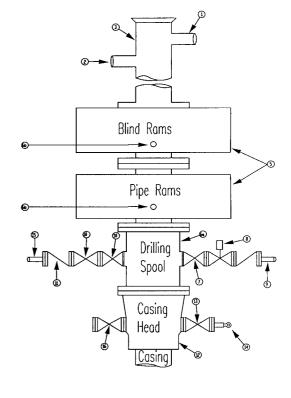
## **Mack Energy Corporation**

## **Minimum Blowout Preventer Requirements**

2000 psi Working Pressure 2 MWP EXHIBIT #1-A

**Stack Requirements** 

	Stack Requireme	/11 to	
NO	' Items	Mın	Mın
1		I.D	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**

16	Flanged Valve	1 13/16	

### 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 gallon, 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.
- 7 Plug type blowout preventer tester
- 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

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

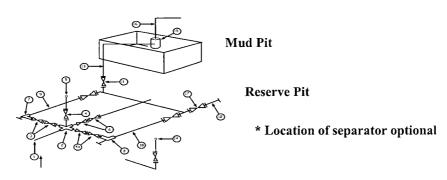
### GENERAL NOTES.

- Deviations from this drawing 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 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 handwheels or handles ready for immediate
- 6 Choke lines must be suitably anchored

- 7. Handwheels and extensions to be connected and ready for use
- Valves adjacent to drilling spool to be kept open Use outside valves except for emergency
- 9 All seamless steel control 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
- Do not use kill line for routine fill up operations.

## **Mack Energy Corporation**

Exhibit #1-A
MIMIMUM CHOKE MANIFOLD
3,000, 5,000, and 10,000 PSI Working Pressure
2 M will be used or greater
3 MWP - 5 MWP - 10 MWP



### **Below Substructure**

## Mimimum requirements

			3,000 MWP		•	5,000 MW	P		10,000 MW	P
No.		I.D.	NOMINAL	Rating	I.D.	Nominal	Rating	I.D.	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
4a	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

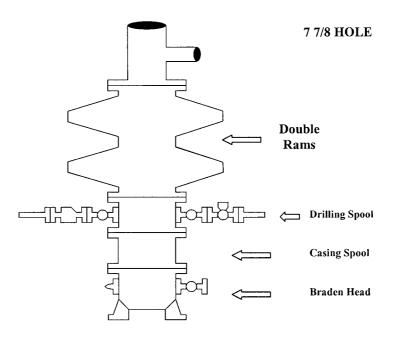
- (1) Only one required in Class 3M
- (2) Gate valves only shall be used for Class 10 M
- (3) Remote operated hydraulic choke required on 5,000 psi and 10,000 psi for drilling.

### 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.
- Choke manifold pressure and standpipe pressure gauges shall be available at the choke manifold to assist in regulating chokes. As an 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.

## **Mack Energy Corporation**

# Exhibit #1-A BOPE Schematic



## Choke Manifold Requirement (2000 psi WP) No Annular Required

