<u>District I</u> 1625 N French Dr , Hobbs, NM 88240 <u>Dstrict 11</u> 1301 W Grand Avenue, Artesia, NM 88210 <u>District III</u>

I 000 Rio Brazos Road, Aztec, NM 87410

1220 S St Francis Dr, Santa Fe, NM 87505

District IV

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

APPI	LICATI	ON	FOR				RE-E	ENTE	R, DE	EPEN	PLUGBA			D A ZONE
				Operator Nam Mack Energ									RID Numb	013837
		P	.O. B	ox 960 Arte			-0960				30- 025-	29288 [/]	API Number	<u> </u>
	rty Code					5	Property						6 We	ell No
36	856			roposed Pool I			Mule	SWD				1.5		1
											Pr	oposed P	001 2	
							urface							
UL or lot no M	Section 13		nship BS	Range 34E	Lot 1	Idn	Feet fro			outh line uth	Feet from the	- 1	st(West line West	County
101	13	10	33		1.D. #				-			<u> </u>	West	Lea
UL or lot no	Section	Tow	nship		osed Botto		le Locat			outh line		F-	stfWest line	G
OL OF TOUR	Section	Town	пѕпір	Range	Lot	tan	reet m	om tne	North/S	outh fine	Feet from the	Eas	stiwest line	County
					Ad	lditio	nal We	ell Info	rmati	on				
	Гуре Code 🛭 Е	_		12 Well Type Co S	ode		" Cable	e/Rotary		14	Lease Type Code S		15 Gro	ound Level Elevation 3982
	ultiple			" Proposed Dep	oth		" For:	mation		· · · · · · · · · · · · · · · · · · ·	9 Contractor			2 Spud Date
	Vo			11,200	_		Wolf	camp		· ·				12/27/07
Depth to Grou	ndwater 85	5'			Distance	e from no	earest fres	h water w	ell 100	0'	Distance f	rom near	est surface w	vater 1000'
	Synthetic			ls thick Clay	Pit Vol	ume	bbls		Drdlı	ng <u>Method</u>	<u>-</u>			
Close	d-Loop Syst	tem 🕨	₫						Fresh V	Vater	Brine Diese	/Oil-base	ed Gas/	Air 🗌
				2	^l Propos	sed Ca	asing a	ind Ce	ment	Progran	n			
Hole S	ıze		Casi	ng Size	Casıng	g weight	/foot	S	etting D	epth	Sacks of	Cement		Estimated TOC
17 1/2		13 3,			54.5			350	-		350sx		Surf	
12 1/4		8 5/8			24 & 32			3572			1700sx		Surf	ace
7 7/8		5 1/2	<u>'</u>		17			11,200			2300sx			
		 												
												forma	tion and	convert into a SWD
Note: Workd Permit Dat	Exnire	s 1 ` ss G	Year Irillin	be done with From Ap g Underw どれてり	proval	•						101/12/3/4/5/6/2	Received Hobbs OCD	NOV 2007
				given above is to certify that the						OII C	ONSERV <i>A</i>			
constructed a	ccording t	o NM(OCD gu	iidelines 🛭 <u>a</u>	general pe	rmit C	, or	<u> </u>	*	OIL C	UNSERVA	TION	0 DI A 12	SION
an (attached Signature	l) al terg ati	ive OC	CD-app	proved plan.	<u>,</u>			Approv	ed by	Ha.	4/1)	, 1		
	Jerry	z u	<i>∕.</i> ₹	mersell Cha	11				SC PIE	//	OSENIATI	IE II/S	MATTRU	12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Printed name,				lerry W. She						PROPERTY OF STATE	7			
Title E-mail Addres	S	,		duction Cleri @mackenerg		m		Approv		EC 0	4 2007	Expirat	ion Date	
Date	11/27/		, ,	Phone:	(505)74		 88	Conditi	ons of A	oproval Att	ached			

District I

1625 N French Dr , Hobbs, NM 88240

District 11

811 South First, Artesia, NM 88210

State of New Mexico EnerRy, Minerals & Natural Resources

Form C-102 Revised March 17, 1999

OIL CONSERVATION DIVISION

Submit to Appropriate District Office

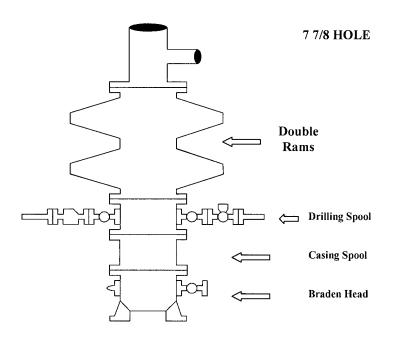
District III 1000 Rio Brazos F	Rd , Aztec, N	M 87410			2040 South Santa Fe. NI	Pacheco M 87505			State Lease - Fee Lease -	
District IV										•
2040 South Pache	co, Santa Fe,	NM 87505							AMENDED	REPORT
		WE	LL LO	CATION	I AND ACR	EAGE DEDIC	ATION PLA	T		
'A	API Numbe	r		Pool Code			'Pool Nam	е		
30-	-025-292	88	9	613.	5	SWD	Wolfcan	ıр		
' Property (Property N	lame			'Well Num	ber
1 368	556				Mule SV	VD			1	
'OGRID I	No				' Operator N	lame			' Elevatio	n
01383	37			N	lack Energy C	orporation			3982	
	•				н Surface I	Location		•		
UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	st line	County
M	13	18S	34E		660	South	660	West	I	_ea
			" Bott	om Hole	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/We	st line	County
ļ										
" Dedicated Acre	s " joint of	Infill "Cor	solidation C	ode " Ord	ler 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

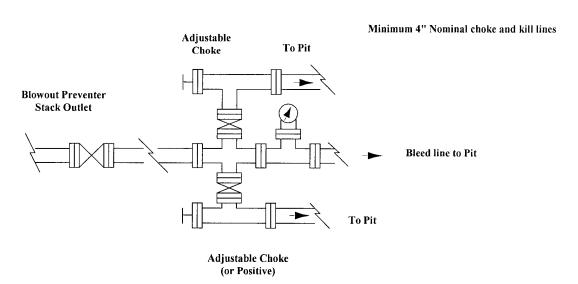
16			OPERATOR CERTIFICATION
			I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill 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.
			Printed Name Jerry W. Sherrell
			Title Production Clerk Date 11/27/07
			"SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual 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 Seal of ProfessionalSurveyer
S60'			
<u> </u>			Certificate Number

Mack Energy Corporation

Exhibit #1-A BOPE Schematic

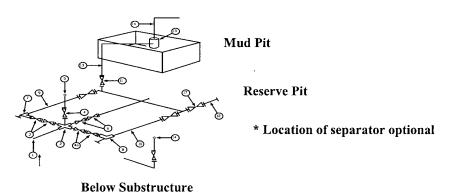


Choke Manifold Requirement (2000 psi WP) No Annular Required



Mack Energy Corporation Exhibit #1-A

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



on Substitucture

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
- 5. 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.
- 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.

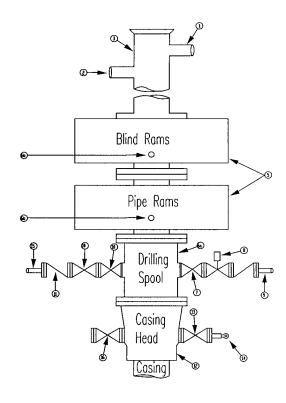
Mack Energy Corporation

Minimum Blowout Preventer Requirements

2000 psi Working Pressure 2 MWP EXHIBIT #1-A

Stack Requirements

	Stack Requireme	11112	
NO.	Items	Mın.	Min.
		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

CONTRACTOR'S OPTION TO FURNISH:

- 1 All equipment and connections above bradenhead or casinghead. Working pressure of preventers to be 2000 psi minimum.
- 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.
- Inside blowout preventer or its equivalent on derrick floor at all times with proper threads to fit pipe being used.
- 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:

- l 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
- 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
- Casinghead connections shall not be used except in case of emergency
- Do not use kill line for routine fill up operations.