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 Fc, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Submit to appropriate District Office

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

☐ AMENDED REPORT

Form C-101

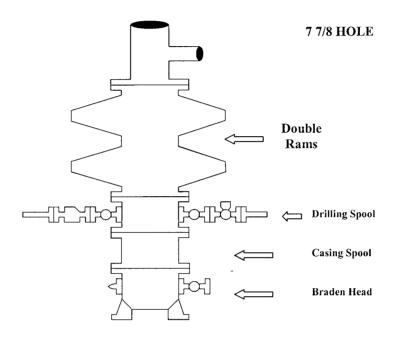
May 27,2004

APPI	JCATI	ON	FOR	PERMIT	TO DE	RILL, F	RE-E	NTER	, DE	EPEN.	PLUGBAC	CK. OR	ADD.	A ZONE
		<u> </u>		Operator Name	and Addres	ss						'OGRID		013837
:		P		Mack Energ ox 960 Arte			960				30- 025-29	036 ^{API N}	lumber	
	rty Code						operty l	Name					6 Well N	0
367	37						Granit	e State				<u> </u>	1	
	A	nders		roposed Pool I anch;Wolfca	mp, Nortl	h					Propo	sed Pool 2	:	
<u> </u>						7 Sur	face	Locatio	nn -	W-81500				
UL or lot no	Section	Tow	nship	Range	Lot I		Feet fro			outh line	Feet from the	East(We:	st line	County
Lot 8	2	16	6S	32E			232	23	No	rth	660	Eas	st	Lea
				8 Propo	sed Botto	om Hole	Locat	ion If Di	ifferen	t From S	urface	r		
UL or lot no	Section	Tow	nship	Range	Lot I	dn	Feet fio	om the	North/S	outh line	Feet from the	EastfWe	st line	County
					Ad	lditiona	ıl We	ll Infor	mati	on			I	
	Type Code E			12 Well Type Co				/Rotary			Lease Type Code S			Level Elevation 95' GR
	ultiple			" Proposed Dep	oth		" Foru	nation			⁹ Contractor	-		pud Date
1	No			10,100			Wolf	camp						15/07
Depth to Grou	indwater 2:	50'			Distance	e from near	est fresl	h water we	100	0'	Distance from	n nearest su	rface water	1000'
Pit Liner	Synthetic		mi	ls thick Clay	Pit Vol	ume	_bbls		Drdli	ng <u>Method</u>	_			
Close	d-Loop Sys	tem 🛭	<u> </u>						Fresh V	Vater 🔲	Brine 🛛 Diesel/C	ıl-based	Gas/Air	
				2	^l Propos	sed Cas	ing a	nd Cer	nent	Progran	n			
Hole S	ıze		Cası	ng Size	Casing	g weight/fo	oot	Se	ttıng D	epth	Sacks of Co	ement	Es	stimated TOC
14 3/4		11 3	/4		42			486			300sx		Circulat	ed
11		8 5/8			24 & 32			4213			1200sx		Circulat	
7 7/8		5 1/2	<u> </u>		17			10,100			2000sx		Surface	
2 Describe the	proposed i	rograi	m. If th	is application is	to DEEPE	N or PLUG	BACK	L give the	data or	the prese	I nt productive zone	and propo	sed new pr	oductive zone
Describe the b											1/2 casing an	d cemen	t to surf	ace but well on
production.											6	34561	897077	2
Note: Work	over oper	ation	s will	be done with	-								A	
				D =	nit Expi	me i \	Vear	From	App	roval	37.	A SE	کر م م	\$
				Pem	iit Expr ate Un	less D	4 4 Him	g Und	erwa	У	128293037	(@ _C @	<007	14.1516 <i>171</i> 8
					GLO G.		Re-	Entr	-\}		/82	Ochos	CO	7
							•				12/	-0		6
											1.96	\$>	1120	U.
				given ahove is tr			e best							
oftny knowled	dge and bel	ief I fi o NMi	arther of	certify that the	drilling pl	it will be	or			OIL C	ONSERVAT	TON D	IVISIC	N
				proved plan.				Approve	d by.	11	1.0	,		
Signature	Qu	uj	W.	Shene	<u>U</u>	<u>-</u>				Mus	With	lan	<u></u>	
Printed name:	/	U		Jerry W. She	rrell			Title	DIST	RICT SU	PERVISOR/G	emeral	AMAM	JEK .
Title			Pro	duction Clerl	k			Approva	1 Date	UEF (xpiration I	Date	
E-mail Addres	SS		jerrys	@mackenerg	gycorp.co	m						·		
Date	9/10/0	07		Phone.	(505)74	48-1288		Conditio	ns of A	pproval Att	ached \square			+

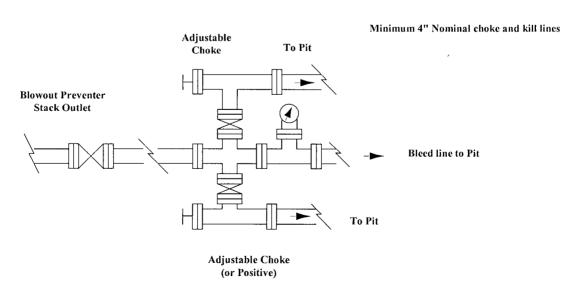
District I 1625 N French D District II	r , Hobbs, N	M 88240		EnerR	State of Nov y, Minerals &	w Mexico Natural Resources	*	Revis	Form C-102 d March 17, 1999
811 South First, A District III 1000 Rio Bragos I District IV				OIL C	ONSERVAT 2040 South Santa Fe. N	TION DIVISION Pacheco M 87505	√ Se	Stat	late District Office e Lease - 4 Copies e Lease - 3 Copies
2040 South Pache	co, Santa Fc,		/ELL LO	CATIO	N AND ACI	REAGE DEDIC	ATION PLA		ENDED REPORT
7	API Numbu	r	LDL DO	Paol Cade	1 11112 1101	CONTOL DEDIC	'Pool Nam		
	-00 <i>5</i> -290	36		1920			son Ranch;Wo	olfcamp, North	
Property 367	37				' Property Granite ' Operator	State		'	Wall Number 1 ' Izlevation
01383	į			7	Mack Energy (4295' GR
		_			н Surface				
UL or lot no	Soction	Township	Range	Lot Idn	Feet from the		Foot from the	East/West Im	County
Lot 8	2	165	32E		2323	North	660	East	Lea
	<u></u>			tom Hol		f Different Fron			
UL ar lot no,	Section	Township	Range	lot Idn	Feet from the		feet from the	East/West lin	County
" Dedicated Acre	s "joint o	r Infill "	Consolidation	Codo " Or	der No.		,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
						23.13	bereds to a my Exocyte or unlessed including i or has a relocation provided in the compulsory by the divided including. Signature Printed Name Title Date "SURV" I hereby certify to plotted from field or under my super to the best of my	het (he well localion st notes ofactual survey ervision, and that the s	and that the sand of that the the sand that the the sand on the sand on the sand on the sand of the sa
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Mack Energy Corporation

Exhibit #1-A BOPE Schematic

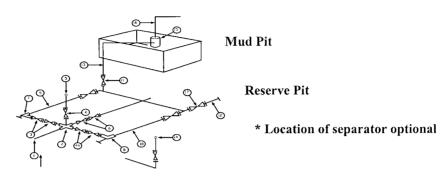


Choke Manifold Requirement (2000 psi WP) No Annular Required



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



Below Substructure

Mimimum requirements

			3,000 MWP			5,000 MWI	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.
- 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.

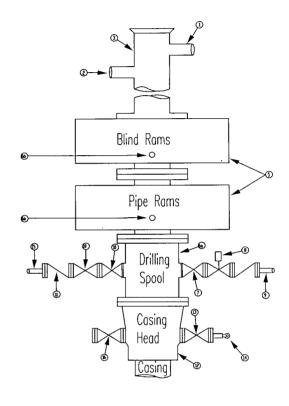
Mack Energy Corporation

Minimum Blowout Preventer Requirements

2000 psi Working Pressure 2 MWP EXHIBIT #1-A

Stack Requirements

	Stack Requireme	IILO	
NO.	Items	Mın.	Mın.
		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
- 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

- 1 Bradenhead or casing head and side valves.
- 2. 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
- 4 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.
- All valves to be equipped with handwheels or handles ready for immediate use.
- 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
- 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.