District-I

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

APPI	LICATI	<u>[ON</u>	FOF				E-E	NTE	R, DE	EPEN.	<u>, PI</u>	<u>UGBAC</u>			D A ZONE	
				Operator Nam Mack Energ										ID Numb	013837	
		P	.O. B	Box 960 Art			960.	<u>.</u>				30- 015-33	40 ^ት	I Number		
	rty Code				•	's Proj	perty	Name							ell No	
	33980					Bo	a Sta	ite Cor	#				1			
SierGi	eost	[!)R	AN	Proposed Pool I Abo		<u>-</u>						Propo	osed Po	ol 2		
			•			7 Surf	ace	Locat	ion							
UL or lot no	Section	[nship	Range	Lot 1	Idn F	Feet fro			outh line	Fe	et from the		(West line	County	
D	36	19	S	23E			66	0	No	rth		660	\	Vest	Eddy	
		,		8 Prop	osed Botto	om Hole L	ocat	ion If I	Differen	t From S	Surfa	ce				
UL or lot no	Section	Towi	nship	Range	Lot 1	Idn F	Feet fro	m the	North/So	outh line	Fe	et from the	Easti	West line	County	
					Ad	lditional			rmatio	on						
	Type Code PB			12 Well Type Co	ode	"	Cable	/Rotary		14	Lease	Type Code S			ound Level Elevation 3896' GR	
	ultiple			" Proposed Dep	oth		" For	nation			3 Co	ntractor			2 Spud Date	
1	No.			3935'				bo							10/3/2011	
Depth to Grou	indwater 1	45'			Distance	e from neares	st fres	h water w	1000			Distance from	neares	t surface w	1000'	
	Synthetic d-Loop Sys			ls thick Clay	Pit Vol	ume: <u>`</u> 1	bbls '	1 C. 3		ng <u>Method</u>		☐ Diesel/O	il besed	. C	'Air 🏻	
Close	u-Loop sys	item Z	<u> </u>	2	Propos	sed Casi	nσ a	nd Ce				1 1 Diesei/O	n-oased	Gas/	AII I 1	
Hole S	17e		Cas	ing Size		g weight/foo			Setting De		Ť	Sacks of Ce	ment		Estimated TOC	
12 1/4	120	8 5/8		ing bize	24	5 Weight 100	,,	1300	octing De	pen	380		·	Surfa	ace/In place	
7 7/8	·	5 1/2	2		17			7130			140	00sx			ace/In place	
					5								_			
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Describe the		l	1041		. DEEDE	C. ef		1	- 1 -		<u> </u>	1			w productive zone	
	olowout pre y Corpor 4100' w	vention ation	n progr prop	ram, if any Use oses to Plug-									and pro	sposed nev	w productive zone	
refrorate 56.	20.3-393	9.3.				 	* 11.					ŀ	T 03	VEI 3 2011 ARTES		
n I hereby cer	tify that the	e inforn	nation	given ahove is tr	ue and com	plete to the l	hest									
oftny knowled	dge and bel	lief I fu	ırther	certify that the	drilling pi	it will <u>be</u>				OIL C	ON	SERVAT	ION	DIVIS	SION	
an (attached Signature	ccording t l) alternat	to NMC	OCD g CD-ap	uidelines 🛭 a proved plan. 🗆	general pe		r :	Approv	ed by	1	//	Meson	1			
Printed name.	- Ju	my.	w.	Jerry W. She	rrell			Title		Forx	1001	51	•	·		
Title				duction Clerk					al Date	3/28	7/2	0/2 E	xpiratio	n Date.	3/28/2014	
E-mail Addres	is			jerrys@mec	.com					7	/				7	
Date	9/30/	11	 	Phone [.]	(575)74	18-1288		Conditi	ons of Ap	proval 🚈	ached	D pR	ovid		urrent	
												'For	m	C-11	02 ,	

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DISTRICT I P.O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico

Energy, Minerals and Natural Resources Departmen

Form C-102 Revised February 10, 1994 Submit to Appropriate District Office

DISTRICT II P.O. Drawer DD, Artesia, NM 88211-0719

State Lease - 4 Copies Fee Lease - 3 Copies

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410 OIL CONSERVATION DIVISION

P.O. Box 2088

DISTRICT IV P.O. BOX 2088, SANTA FE, N.M. 87504-2088 Santa Fe, New Mexico 87504-2088

□ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

30-015-33407	962/5	Siggrest D	Pool Name	
Property Code 33980	-	STATE		Well Number
OGRID No. 0/3837	•	rator Name SY CORPORATION		Elevation 3896

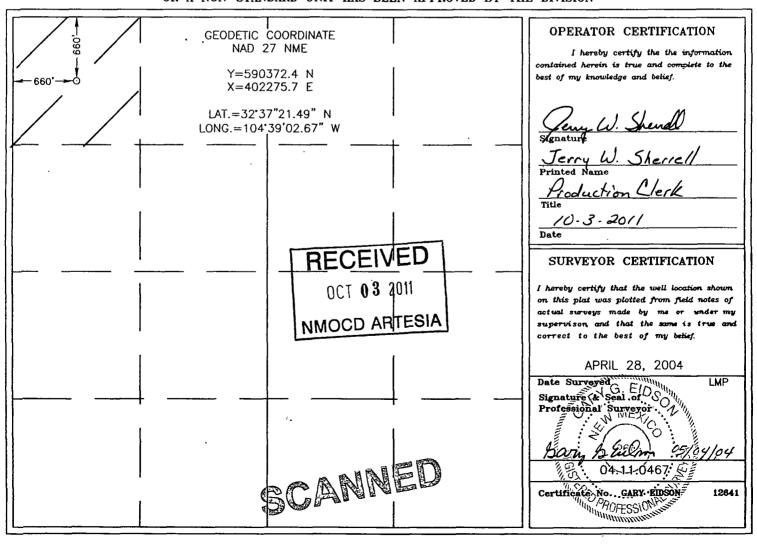
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	36	19 S	23 E		660	NORTH	660	WEST	EDDY

Bottom Hole Location If Different From 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	Joint o	r Infill	Consolidation (Code Or	der No.			• • •	•
40	}								

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



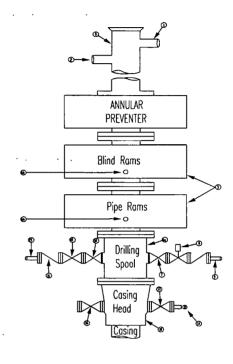
Mack Energy Corporation

Minimum Blowout Preventer Requirements

3000 psi Working Pressure 13 3/8 inch- 3 MWP 11 Inch - 3 MWP EXHIBIT #1

Stack Requirements

	Stack Requireme	1113	
NO	Items	Min.	Min.
	·	I.D.	Nominal
1	Flowline		2"
2	Fill up line		2"
3	Drilling nipple		
4	Annular preventer		
5	Two single or one dual hydraulcally 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 -	1, 42,00
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 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.
- 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.
- Type RX ring gaskets in place of Type R.

MEC TO FURNISH:

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

10.

ME

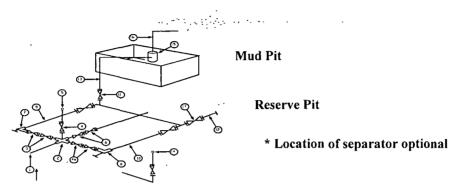
GENERAL NOTES:

- 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
- and suitable for high pressure mud service.
- 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 hand-wheels or handles ready for immediate use.
- Choke lines must be suitably anchored
- 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 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.
- 11. Does not use kill line for routine fill up operations.

Máck Energy Corporation Exhibit #2

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



Below Substructure

Mimimum requirements

			3,000 MWP			5,000 MV	VP_	10,000 MWP			
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		-	3			-			3	10,000	
	Cross 3" x 3" x 3" x 2"	ļ		3,000	1,31	. ,, . , ,	5,000			10000	
_2	Cross 3" x 3" x 3" x 2"	ļ		di di di di di	CHOLL:	, .,		<u> </u>		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	i i	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	<u> </u>	3"	1,000		3"	1,000		3"	2,000	
13	Line		3"	1,000		3"	1,000	1	3"	2,000	
14	Remote reading compound Standpipe pressure quage			3,000			5,000			10,000	
15	Gas Separator		2' x5'			2' x5'		T	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	

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

- EQUIPMENT SPECIFICATIONS AND INSTALLATION INSTRUCTION All connections in choke manifold shall be welded, studded, flanged or Cameron clamp of comparable rating.
- 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.
- 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.
- 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